ESTADO DE GOIÁS
AGÊNCIA GOIANA DE INFRAESTRUTURA E TRANSPORTES
GERÊNCIA DE PROJETOS DE OBRAS RODOVIÁRIAS

ANTEPROJETO DE ENGENHARIA PARA CONSTRUÇÃO DE RODOVIAS

Rodovia: **GO-236**
Trecho: **Flores de Goiás – Entr. BR-020**
Extensão: **63,80 KM**
Código SRE: **236EGO0040**

VOLUME 2 – ANTEPROJETOS
TOMO IV - ANTEPROJETO DE PAVIMENTAÇÃO E OBRA DE ARTE ESPECIAL

Local: **Goiânia/GO**	Mês: **Setembro**	Ano: **2025**	Período: **02**

LISTA DE ILUSTRAÇÕES

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I. APRESENTAÇÃO

A **Oliveira, Rae & CIA Engenharia LTDA**. apresenta a **Agência Goiana de Infraestrutura e Transportes – GOINFRA**, neste documento, o **Volume 2 – Anteprojetos**.

Trata-se de trabalho objeto do contrato firmado entre a **Agência Goiana de Infraestrutura e Transportes** e a **Oliveira, Rae & CIA Engenharia**, cujos dados contratuais estão detalhados abaixo:

- Objeto do Contrato: Elaboração do Anteprojeto de Engenharia para Construção de Rodovias;
- GO-236, Trecho: Flores de Goiás – Entr. BR-020
- Extensão: 63,80 km;
- Contrato: 099/2023;
- Data da assinatura: 20/09/2023.

Oliveira & Rae Engenharia LTDA
Engº. Agnaldo J. de Oliveira Jr.
Diretor de Engenharia

A seguir, apresenta-se o Mapa de Localização do trecho objeto de serviço:

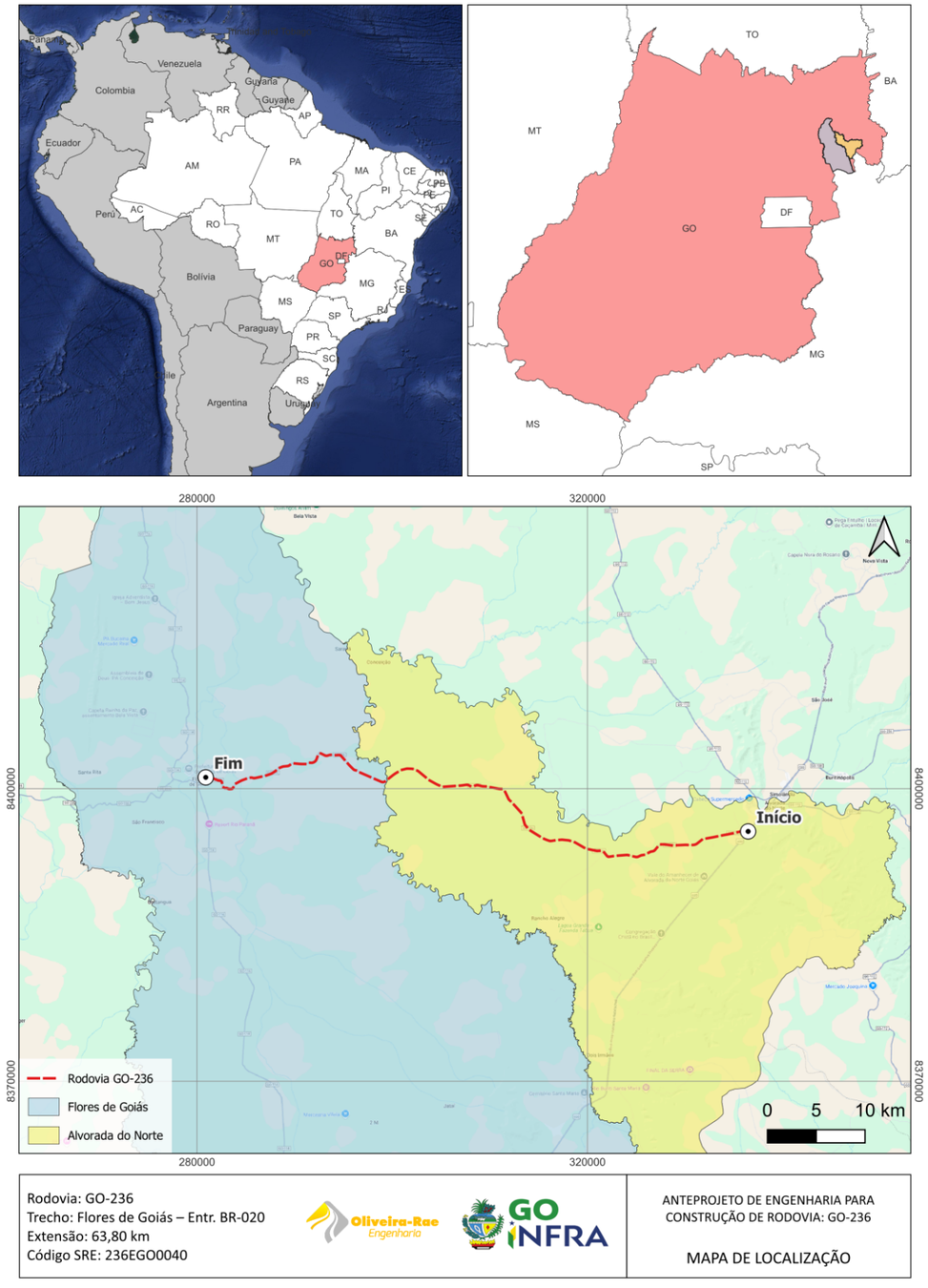
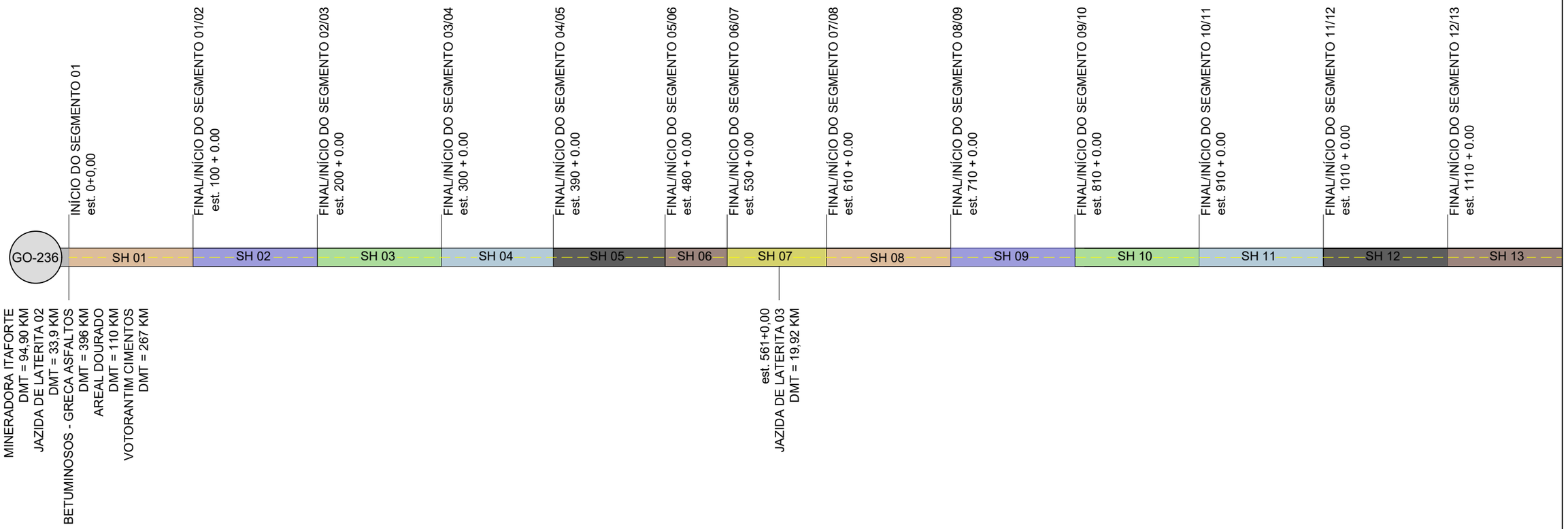


Figura 1 – Mapa de Localização.

II. ANTEPROJETO DE PAVIMENTAÇÃO

DIAGRAMA LINEAR



Notas e recomendações a serem verificadas após o término da obra

1 - DEFLEXÃO ADMISSÍVEL AO TÉRMINO DA OBRA				
Camada	K	n	N-USACE	Admissível Modelo Dadm (10^{-2} mm)
Revestimento	3.01	0.176	8.06E+05	93.43
Base	3.01	0.176	8.06E+05	93.59
Sub-base	3.01	0.176	8.06E+05	93.89
Subleito	3.01	0.176	8.06E+05	94.08
2- ÍNDICE DE IRREGULARIDADE LONGITUDINAL (IRI) AO TÉRMINO DA OBRA				
DNER-PRO 164 e DNER-PRO 182	IRI ≤ 3.00 (após a término da obra)			

	REV. 0	REV. 1		
DATA	25/07/2025	02/09/2025		
PROJETO	OLIVEIRA & RAE ENGENHARIA	OLIVEIRA & RAE ENGENHARIA		
EXECUÇÃO				
VERIFICAÇÃO				
APROVAÇÃO				

Oliveira-Rae Engenharia
CONTRATO: 099/2023
CÓD. INTERNO nº 0152-FP-PAV-RL-001.V1A

GO INFRA

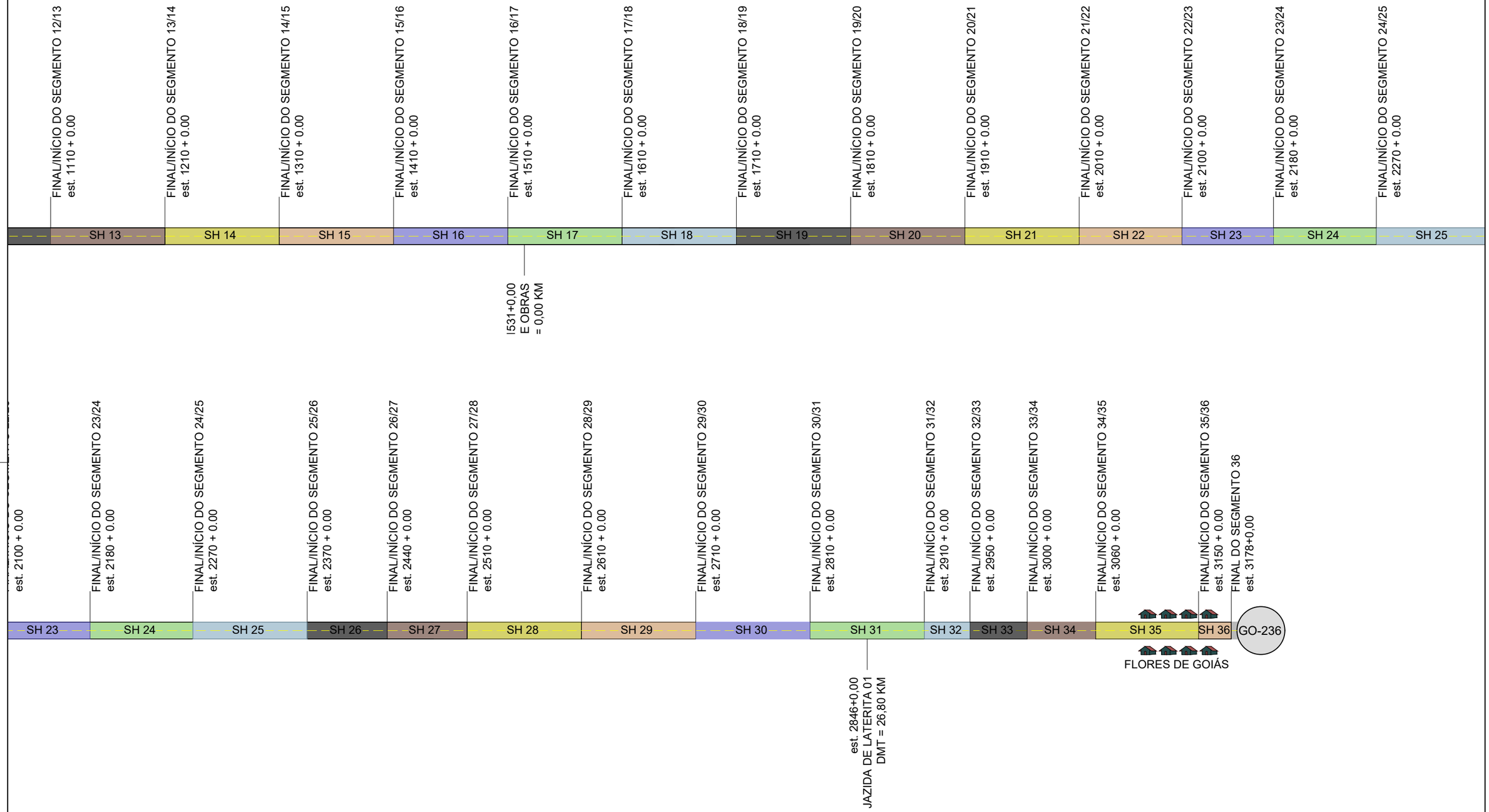
ANTEPROJETO DE ENGENHARIA PARA CONSTRUÇÃO DE RODOVIA

RODOVIA: GO-236
TRECHO: FLORES DE GOIÁS - ENTR. BR-020

RESPONSÁVEL TÉCNICO
Responsável Técnico pelo Projeto de Pavimentação Agnaldo José de Oliveira Junior (CREA/MS 31441)

TÍTULO: PROJETO DE PAVIMENTAÇÃO
ESCALA: S/ESCALA
Nº: 0152-FP-PAV-RL-001.V1A
FOLHA: 01 de 12

DIAGRAMA LINEAR



	REV. 0	REV. 1		
DATA	25/07/2025	02/09/2025		
PROJETO	OLIVEIRA & RAE ENGENHARIA	OLIVEIRA & RAE ENGENHARIA		
EXECUÇÃO				
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Oliveira-Rae Engenharia
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GO INFRA

ANTEPROJETO DE ENGENHARIA PARA CONSTRUÇÃO DE RODOVIA

RODOVIA: GO-236
TRECHO: FLORES DE GOIÁS - ENTR. BR-020

RESPONSÁVEL TÉCNICO

Responsável Técnico pelo Projeto de Pavimentação
Agnaldo José de Oliveira Junior (CREA/MS 31441)

TÍTULO: PROJETO DE PAVIMENTAÇÃO

ESCALA: S/ESCALA

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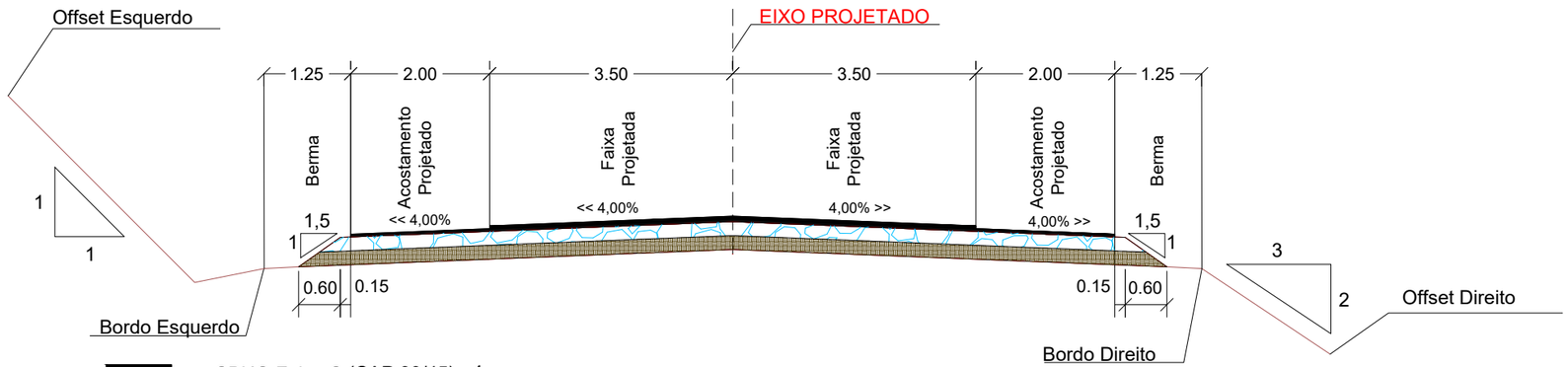
SEÇÃO TÍPICA

SEÇÃO TRANSVERSAL TÍPICA MISTA EM TANGENTE



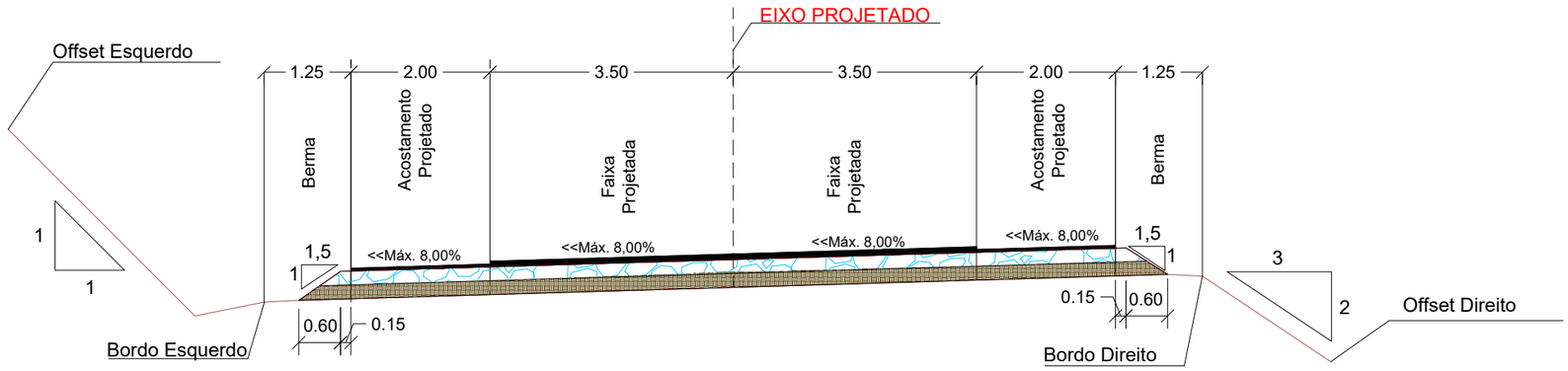
CBUQ Faixa C (CAP 30/45) - 4 cm

TSD - Tratamento Superficial Duplo

Base - Cascalho + 20% Brita + 2% Cimento - 20 cm

Sub-base - Solo (100% Proctor Intermediário) - 15 cm

SEÇÃO TRANSVERSAL TÍPICA MISTA EM CURVA



CBUQ Faixa C (CAP 30/45) - 4 cm

TSD - Tratamento Superficial Duplo

Base - Cascalho + 20% Brita + 2% Cimento - 20 cm

Sub-base - Solo (100% Proctor Intermediário) - 15 cm

	REV. 0	REV. 1		
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EXECUÇÃO				
VERIFICAÇÃO				
APROVAÇÃO				

Oliveira-Rae Engenharia
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RODOVIA: GO-236
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RESPONSÁVEL TÉCNICO
Responsável Técnico pelo Projeto de Pavimentação Agnaldo José de Oliveira Junior (CREA/MS 31441)

TÍTULO: PROJETO DE PAVIMENTAÇÃO

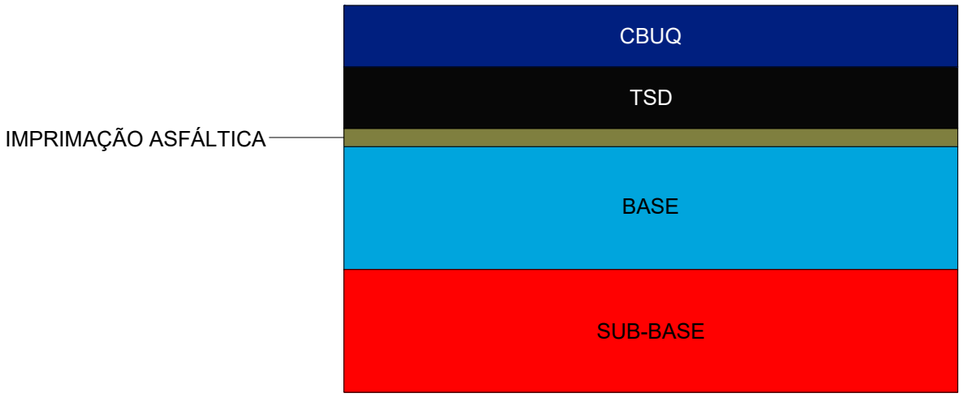
ESCALA: S/ESCALA

N°: 0152-FP-PAV-RL-001.V1A

FOLHA: 03 de 12

ETAPAS DA PAVIMENTAÇÃO

PISTA DE ROLAMENTO



CBUQ FAIXA C (CAP 30/45) – 4 cm

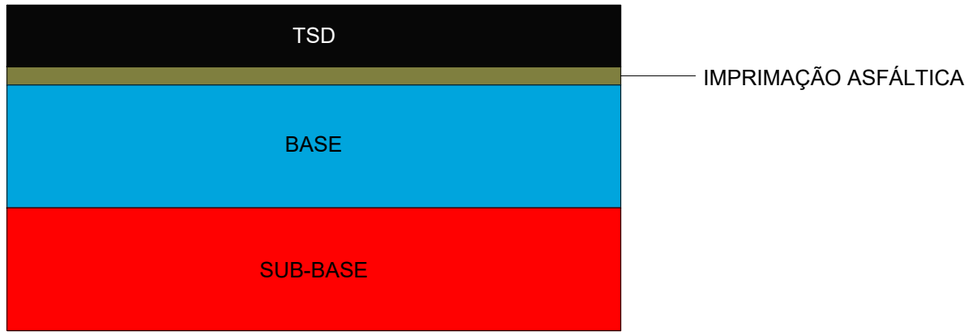
TRATAMENTO SUPERFICIAL DUPLO – TSD (RR–2C)

IMPRIMAÇÃO ASFÁLTICA (CM–30)

BASE – CASCALHO/20% BRITA/2% CIMENTO – 20 cm

SUB–BASE – SOLO (100% PI) – 15 cm

ACOSTAMENTO



TRATAMENTO SUPERFICIAL DUPLO – TSD (RR–2C)

IMPRIMAÇÃO ASFÁLTICA (CM–30)

BASE – CASCALHO/20% BRITA/2% CIMENTO – 20 cm

SUB–BASE – SOLO (100% PI) – 15 cm

NOTAS E RECOMENDAÇÕES

1 - PARA EXECUÇÃO DE SUB-BASE COMPOSTA DE SOLO-BRITA NA PROPORÇÃO DE 60/40 COM 20 CM DE ESPESSURA DEVE-SE SEGUIR AS RECOMENDAÇÕES DE PROJETO, ALÉM DAS ESPECIFICAÇÕES IMPOSTAS PELA NORMA GOINFRA ES-PAV 002/2019 "PAVIMENTAÇÃO - SUB-BASE E BASE ESTABILIZADAS GRANULOMETRICAMENTE COM OU SEM MISTURA".;
2 - PARA EXECUÇÃO DE BASE DE MISTURA 78% CASCALHO, 20% BGS E 2% CIMENTO DE 20 CM DEVE-SE SEGUIR AS RECOMENDAÇÕES DE PROJETO, ALÉM DAS ESPECIFICAÇÕES IMPOSTAS PELA NORMA GOINFRA ES-PAV 002/2019 "PAVIMENTAÇÃO - SUB-BASE E BASE ESTABILIZADAS GRANULOMETRICAMENTE COM OU SEM MISTURA".;
3 - PARA EXECUÇÃO DA IMPRIMAÇÃO COM ASFALTO DILUÍDO DO TIPO CM-30 DEVE-SE SEGUIR AS RECOMENDAÇÕES DE PROJETO, ALÉM DAS ESPECIFICAÇÕES IMPOSTAS PELA NORMA GOINFRA ES-PAV 007/2019 "PAVIMENTAÇÃO - IMPRIMAÇÃO ASFÁLTICA".;
4 - PARA EXECUÇÃO TRATAMENTO SUPERFICIAL DUPLO À FRIO COM EMULSÃO ASFÁLTICA RR-2C DEVE-SE SEGUIR AS RECOMENDAÇÕES DE PROJETO, ALÉM DAS ESPECIFICAÇÕES IMPOSTAS PELA NORMA GOINFRA ES-PAV 010/2019 "PAVIMENTAÇÃO - TRATAMENTO SUPERFICIAIS ASFÁLTICOS POR PENETRAÇÃO - À FRIO".;
5 - PARA EXECUÇÃO DO CONCRETO BETUMINOSO USINADO A QUENTE COM CAP 30/45, DEVE-SE SEGUIR AS RECOMENDAÇÕES DE PROJETO, ALÉM DAS ESPECIFICAÇÕES IMPOSTAS PELA NORMA GOINFRA ES-PAV 012/2019 "PAVIMENTAÇÃO - CAMADAS DE MISTURAS ASFÁLTICAS USINADAS A QUENTE".

	REV. 0	REV. 1		
DATA	25/07/2025	02/09/2025		
PROJETO	OLIVEIRA & RAE ENGENHARIA	OLIVEIRA & RAE ENGENHARIA		
EXECUÇÃO				
VERIFICAÇÃO				
APROVAÇÃO				

Oliveira-Rae Engenharia
CONTRATO: 099/2023
CÓD. INTERNO nº 0152-FP-PAV-RL-001.V1A

GO INFRA

ANTEPROJETO DE ENGENHARIA PARA CONSTRUÇÃO DE RODOVIA

RODOVIA: GO-236
TRECHO: FLORES DE GOIÁS - ENTR. BR-020

RESPONSÁVEL TÉCNICO
Responsável Técnico pelo Projeto de Pavimentação Agnaldo José de Oliveira Junior (CREA/MS 31441)

TÍTULO: PROJETO DE PAVIMENTAÇÃO

ESCALA: S/ESCALA

Nº 0152-FP-PAV-RL-001.V1A

FOLHA 04 de 12

QUADRO DE QUANTIDADES

QUADRO DE DADOS DE ENTRADA - QDE 02		
Código	**Serviço**	**(m²)**
40310	REGULARIZAÇÃO E COMPACTAÇÃO DO SUB-LEITO	782 714.06

Local de Execução	Entre Estacas						Extensão (m)	Largura (m)	Área Adicional (m2)	Área (m2)
	Inicial			Final						
Eixo GO-326	0	+	0	100	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	100	+	0	200	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	200	+	0	300	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	300	+	0	390	+	0	1800.00	12.35	0.00	22 230.00
Eixo GO-326	390	+	0	480	+	0	1800.00	12.35	0.00	22 230.00
Eixo GO-326	480	+	0	530	+	0	1000.00	12.35	0.00	12 350.00
Eixo GO-326	530	+	0	610	+	0	1600.00	12.35	0.00	19 760.00
Eixo GO-326	610	+	0	710	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	710	+	0	810	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	810	+	0	910	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	910	+	0	1010	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	1010	+	0	1110	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	1110	+	0	1210	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	1210	+	0	1310	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	1310	+	0	1410	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	1410	+	0	1510	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	1510	+	0	1610	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	1610	+	0	1710	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	1710	+	0	1810	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	1810	+	0	1910	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	1910	+	0	2010	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	2010	+	0	2100	+	0	1800.00	12.35	0.00	22 230.00
Eixo GO-326	2100	+	0	2180	+	0	1600.00	12.35	0.00	19 760.00
Eixo GO-326	2180	+	0	2270	+	0	1800.00	12.35	0.00	22 230.00
Eixo GO-326	2270	+	0	2370	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	2370	+	0	2440	+	0	1400.00	12.35	0.00	17 290.00
Eixo GO-326	2440	+	0	2510	+	0	1400.00	12.35	0.00	17 290.00
Eixo GO-326	2510	+	0	2610	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	2610	+	0	2710	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	2710	+	0	2810	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	2810	+	0	2910	+	0	2000.00	12.35	0.00	24 700.00
Eixo GO-326	2910	+	0	2950	+	0	800.00	12.35	0.00	9 880.00
Eixo GO-326	2950	+	0	3000	+	0	1000.00	12.35	0.00	12 350.00
Eixo GO-326	3000	+	0	3060	+	0	1200.00	12.35	0.00	14 820.00
Eixo GO-326	3060	+	0	3150	+	0	1800.00	12.35	0.00	22 230.00
Eixo GO-326	3150	+	0	3168	+	17.66	377.66	12.35	0.00	4 664.06
TOTAIS							**63 377.66**			**782 714.06**

		REV. 0	REV. 1		
DATA		25/07/2025	02/09/2025		
PROJETO		OLIVEIRA & RAE ENGENHARIA	OLIVEIRA & RAE ENGENHARIA		
EXECUÇÃO					
VERIFICAÇÃO					
APROVAÇÃO					

Oliveira-Rae Engenharia
CONTRATO: 099/2023
CÓD. INTERNO nº 0152-FP-PAV-RL-001.V1A

GO INFRA

ANTEPROJETO DE ENGENHARIA PARA CONSTRUÇÃO DE RODOVIA

RODOVIA: GO-236
TRECHO: FLORES DE GOIÁS - ENTR. BR-020

RESPONSÁVEL TÉCNICO
Responsável Técnico pelo Projeto de Pavimentação
Agnaldo José de Oliveira Junior (CREA/MS 31441)

TÍTULO: PROJETO DE PAVIMENTAÇÃO
ESCALA: S/ESCALA
Nº: 0152-FP-PAV-RL-001.V1A
FOLHA: 05 de 12

QUADRO DE QUANTIDADES

QUADRO DE DADOS DE ENTRADA - QDE 02		
Código	**Serviço**	**(m³)**
40335	ESTABILIZAÇÃO GRANULOMÉTRICA SEM MISTURA - REF.PROCTOR: 26 GOLPES (100% P.I.)	**115 268.11**

Local de Execução	Entre Estacas						Extensão (m)	Largura menor (m)	Largura Maior (m)	Área (m2)	Esp. (cm)	Volume Sub-Base (m3)	Área de Escavação (m2)	Volume Geométrico com folgas	Volume Escavado (VOL.xEMP) (m^3)	DMT (Km) SOLO			Momento de Transporte SOLO
	Inicial			Final												Fixa	Variável	DMT	TKM
Eixo GO-326	0	+	0.00	100	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	0.29	0.29	1 593.51
Eixo GO-326	100	+	0.00	200	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	0.02	0.02	83.87
Eixo GO-326	200	+	0.00	300	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	1.05	1.05	5 870.81
Eixo GO-326	300	+	0.00	390	+	0.00	1800.00	11.90	12.35	21 825.00	15.0	3273.75	22 365.00	3 354.75	4361.18	0.00	0.02	0.02	75.48
Eixo GO-326	390	+	0.00	480	+	0.00	1800.00	11.90	12.35	21 825.00	15.0	3273.75	22 365.00	3 354.75	4361.18	0.00	0.18	0.18	880.62
Eixo GO-326	480	+	0.00	530	+	0.00	1000.00	11.90	12.35	12 125.00	15.0	1818.75	12 425.00	1 863.75	2422.88	0.00	0.55	0.55	1 537.59
Eixo GO-326	530	+	0.00	610	+	0.00	1600.00	11.90	12.35	19 400.00	15.0	2910.00	19 880.00	2 982.00	3876.60	0.00	0.75	0.75	3 354.75
Eixo GO-326	610	+	0.00	710	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	0.11	0.11	615.04
Eixo GO-326	710	+	0.00	810	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	0.56	0.56	3 131.10
Eixo GO-326	810	+	0.00	910	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	0.12	0.12	642.99
Eixo GO-326	910	+	0.00	1010	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	0.85	0.85	4 724.61
Eixo GO-326	1010	+	0.00	1110	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	1.16	1.16	6 457.89
Eixo GO-326	1110	+	0.00	1210	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	0.71	0.71	3 969.79
Eixo GO-326	1210	+	0.00	1310	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	4.71	4.71	26 334.79
Eixo GO-326	1310	+	0.00	1410	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	2.23	2.23	12 440.53
Eixo GO-326	1410	+	0.00	1510	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	3.19	3.19	17 808.13
Eixo GO-326	1510	+	0.00	1610	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	1.19	1.19	6 625.63
Eixo GO-326	1610	+	0.00	1710	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	7.15	7.15	39 977.44
Eixo GO-326	1710	+	0.00	1810	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	5.55	5.55	31 031.44
Eixo GO-326	1810	+	0.00	1910	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	5.03	5.03	28 123.99
Eixo GO-326	1910	+	0.00	2010	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	3.45	3.45	19 289.81
Eixo GO-326	2010	+	0.00	2100	+	0.00	1800.00	11.90	12.35	21 825.00	15.0	3273.75	22 365.00	3 354.75	4361.18	0.00	2.80	2.80	14 089.95
Eixo GO-326	2100	+	0.00	2180	+	0.00	1600.00	11.90	12.35	19 400.00	15.0	2910.00	19 880.00	2 982.00	3876.60	0.00	1.10	1.10	4 920.30
Eixo GO-326	2180	+	0.00	2270	+	0.00	1800.00	11.90	12.35	21 825.00	15.0	3273.75	22 365.00	3 354.75	4361.18	0.00	0.60	0.60	3 019.28
Eixo GO-326	2270	+	0.00	2370	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	2.50	2.50	13 978.13
Eixo GO-326	2370	+	0.00	2440	+	0.00	1400.00	11.90	12.35	16 975.00	15.0	2546.25	17 395.00	2 609.25	3392.03	0.00	1.25	1.25	4 892.34
Eixo GO-326	2440	+	0.00	2510	+	0.00	1400.00	11.90	12.35	16 975.00	15.0	2546.25	17 395.00	2 609.25	3392.03	0.00	2.65	2.65	10 371.77
Eixo GO-326	2510	+	0.00	2610	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	2.08	2.08	11 601.84
Eixo GO-326	2610	+	0.00	2710	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	2.07	2.07	11 573.89
Eixo GO-326	2710	+	0.00	2810	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	2.25	2.25	12 552.36
Eixo GO-326	2810	+	0.00	2910	+	0.00	2000.00	11.90	12.35	24 250.00	15.0	3637.50	24 850.00	3 727.50	4845.75	0.00	2.75	2.75	15 347.98
Eixo GO-326	2910	+	0.00	2950	+	0.00	800.00	11.90	12.35	9 700.00	15.0	1455.00	9 940.00	1 491.00	1938.30	0.00	2.59	2.59	5 792.54
Eixo GO-326	2950	+	0.00	3000	+	0.00	1000.00	11.90	12.35	12 125.00	15.0	1818.75	12 425.00	1 863.75	2422.88	0.00	0.61	0.61	1 705.33
Eixo GO-326	3000	+	0.00	3060	+	0.00	1200.00	11.90	12.35	14 550.00	15.0	2182.50	14 910.00	2 236.50	2907.45	0.00	1.71	1.71	5 736.62
Eixo GO-326	3060	+	0.00	3150	+	0.00	1800.00	11.90	12.35	21 825.00	15.0	3273.75	22 365.00	3 354.75	4361.18	0.00	1.89	1.89	9 510.72
Eixo GO-326	3150	+	0.00	3168	+	17.66	377.66	11.90	12.35	4 579.09	15.0	686.86	4 692.39	703.86	915.02	0.00	2.98	2.98	3 145.01
TOTAIS							**63 377.66**			**768 454.09**		**115 268.11**		**118 120.11**	**153 556.14**				**342 807.86**

	REV. 0	REV. 1		
DATA	25/07/2025	02/09/2025		
PROJETO	OLIVEIRA & RAE ENGENHARIA	OLIVEIRA & RAE ENGENHARIA		
EXECUÇÃO				
VERIFICAÇÃO				
APROVAÇÃO				

Oliveira-Rae Engenharia — CONTRATO: 099/2023 — CÓD. INTERNO nº 0152-FP-PAV-RL-001.V1A

GO INFRA

ANTEPROJETO DE ENGENHARIA PARA CONSTRUÇÃO DE RODOVIA

RODOVIA: GO-236

TRECHO: FLORES DE GOIÁS - ENTR. BR-020

RESPONSÁVEL TÉCNICO

Responsável Técnico pelo Projeto de Pavimentação Agnaldo José de Oliveira Junior (CREA/MS 31441)

TÍTULO: PROJETO DE PAVIMENTAÇÃO

ESCALA: S/ESCALA

Nº: 0152-FP-PAV-RL-001.V1A

FOLHA: 06 de 12

QUADRO DE QUANTIDADES

QUADRO DE DADOS DE ENTRADA - QDE 02		
Código	**Serviço**	**(m²)**
4011320C	BASE OU SUB-BASE ESTABILIZADA GRANULOMETRICAMENTE COM MISTURA CASCALHO BGS (78% - 20%) COM 2% DE CIMENTO NA PISTA COM MATERIAL DE JAZIDA E BRITA COMERCIAL - 100% PROCTOR MODIFICADO	**147 036.16**

Local de Execução	Entre Estacas						Extensão (m)	Largura menor (m)	Largura Maior (m)	Área (m2)	Esp. (cm)	Volume Base (m3)	Área de Escavação (m2)	Volume Geométrico com folgas	Volume Escavado (VOL.xEMP) (m3)	DMT (Km) CASCALHO			DMT (Km) BRITA			DMT (Km) CIMENTO			Momento de Transporte CASCALHO	Momento de Transporte BRITA	Momento de Transporte CIMENTO
	Inicial			Final												Fixa	Variável	DMT	Fixa	Variável	DMT	Fixa	Variável	DMT	M3KM (78%)	M3KM (20%)	TKM (2%)
Eixo GO-326	0	+	0.00	100	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6193.62	3.20	1.00	4.20	-	29.70	29.70	-	29.70	29.70	20 290.31	37 378.76	5 606.81
Eixo GO-326	100	+	0.00	200	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6193.62	3.20	3.00	6.20	-	27.70	27.70	-	27.70	27.70	29 952.36	34 861.67	5 229.25
Eixo GO-326	200	+	0.00	300	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6193.62	3.20	5.00	8.20	-	25.70	25.70	-	25.70	25.70	39 614.41	32 344.58	4 851.69
Eixo GO-326	300	+	0.00	390	+	0.00	1800.00	11.30	11.90	20 880.00	20.0	4176.00	21 420.00	4284.00	5980.69	0.42	4.32	4.74	-	23.80	23.80	-	23.80	23.80	22 111.82	26 930.82	4 039.62
Eixo GO-326	390	+	0.00	480	+	0.00	1800.00	11.30	11.90	20 880.00	20.0	4176.00	21 420.00	4284.00	5980.69	0.42	2.52	2.94	-	22.00	22.00	-	22.00	22.00	13 714.93	24 894.04	3 734.11
Eixo GO-326	480	+	0.00	530	+	0.00	1000.00	11.30	11.90	11 600.00	20.0	2320.00	11 900.00	2380.00	3322.61	0.42	1.12	1.54	-	20.60	20.60	-	20.60	20.60	3 991.12	12 949.93	1 942.49
Eixo GO-326	530	+	0.00	610	+	0.00	1600.00	11.30	11.90	18 560.00	20.0	3712.00	19 040.00	3808.00	5316.17	0.42	0.42	0.84	-	19.30	19.30	-	19.30	19.30	3 484.19	19 412.32	2 911.85
Eixo GO-326	610	+	0.00	710	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6645.21	0.42	1.98	2.40	-	17.50	17.50	-	17.50	17.50	12 439.84	22 002.31	3 300.35
Eixo GO-326	710	+	0.00	810	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6645.21	0.42	3.98	4.40	-	15.50	15.50	-	15.50	15.50	22 806.38	19 487.76	2 923.16
Eixo GO-326	810	+	0.00	910	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6645.21	0.42	5.98	6.40	-	13.50	13.50	-	13.50	13.50	33 172.91	16 973.21	2 545.98
Eixo GO-326	910	+	0.00	1010	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6645.21	0.42	7.98	8.40	-	11.50	11.50	-	11.50	11.50	43 539.45	14 458.66	2 168.80
Eixo GO-326	1010	+	0.00	1110	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6645.21	0.42	9.98	10.40	-	9.50	9.50	-	9.50	9.50	53 905.98	11 944.11	1 791.62
Eixo GO-326	1110	+	0.00	1210	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6645.21	0.42	11.98	12.40	-	7.50	7.50	-	7.50	7.50	64 272.52	9 429.56	1 414.43
Eixo GO-326	1210	+	0.00	1310	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6645.21	0.42	13.98	14.40	-	5.50	5.50	-	5.50	5.50	74 639.05	6 915.01	1 037.25
Eixo GO-326	1310	+	0.00	1410	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6645.21	0.42	15.98	16.40	-	3.50	3.50	-	3.50	3.50	85 005.59	4 400.46	660.07
Eixo GO-326	1410	+	0.00	1510	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6645.21	0.42	17.98	18.40	-	1.50	1.50	-	1.50	1.50	95 372.12	1 885.91	282.89
Eixo GO-326	1510	+	0.00	1610	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6645.21	0.42	19.98	20.40	-	0.63	0.63	-	0.63	0.63	105 738.66	785.80	117.87
Eixo GO-326	1610	+	0.00	1710	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6645.21	0.42	21.98	22.40	-	2.50	2.50	-	2.50	2.50	116 105.20	3 143.19	471.48
Eixo GO-326	1710	+	0.00	1810	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6296.20	0.30	21.72	22.02	-	4.50	4.50	-	4.50	4.50	108 140.95	5 700.58	855.09
Eixo GO-326	1810	+	0.00	1910	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6296.20	0.30	19.72	20.02	-	6.50	6.50	-	6.50	6.50	98 318.88	8 234.17	1 235.12
Eixo GO-326	1910	+	0.00	2010	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6296.20	0.30	17.72	18.02	-	8.50	8.50	-	8.50	8.50	88 496.81	10 767.75	1 615.16
Eixo GO-326	2010	+	0.00	2100	+	0.00	1800.00	11.30	11.90	20 880.00	20.0	4176.00	21 420.00	4284.00	5666.58	0.30	15.82	16.12	-	10.40	10.40	-	10.40	10.40	71 249.27	11 857.20	1 778.58
Eixo GO-326	2100	+	0.00	2180	+	0.00	1600.00	11.30	11.90	18 560.00	20.0	3712.00	19 040.00	3808.00	5036.96	0.30	14.12	14.42	-	12.10	12.10	-	12.10	12.10	56 653.68	12 262.57	1 839.39
Eixo GO-326	2180	+	0.00	2270	+	0.00	1800.00	11.30	11.90	20 880.00	20.0	4176.00	21 420.00	4284.00	5666.58	0.30	12.42	12.72	-	13.80	13.80	-	13.80	13.80	56 221.51	15 733.59	2 360.04
Eixo GO-326	2270	+	0.00	2370	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6296.20	0.30	10.52	10.82	-	15.70	15.70	-	15.70	15.70	53 137.38	19 888.68	2 983.30
Eixo GO-326	2370	+	0.00	2440	+	0.00	1400.00	11.30	11.90	16 240.00	20.0	3248.00	16 660.00	3332.00	4407.34	0.30	8.82	9.12	-	17.40	17.40	-	17.40	17.40	31 352.03	15 429.56	2 314.43
Eixo GO-326	2440	+	0.00	2510	+	0.00	1400.00	11.30	11.90	16 240.00	20.0	3248.00	16 660.00	3332.00	4407.34	0.30	7.42	7.72	-	18.80	18.80	-	18.80	18.80	26 539.22	16 671.02	2 500.65
Eixo GO-326	2510	+	0.00	2610	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6296.20	0.30	5.72	6.02	-	20.50	20.50	-	20.50	20.50	29 564.42	25 969.29	3 895.39
Eixo GO-326	2610	+	0.00	2710	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6296.20	0.30	3.72	4.02	-	22.50	22.50	-	22.50	22.50	19 742.35	28 502.88	4 275.43
Eixo GO-326	2710	+	0.00	2810	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6296.20	0.30	1.72	2.02	-	24.50	24.50	-	24.50	24.50	9 920.29	31 036.47	4 655.47
Eixo GO-326	2810	+	0.00	2910	+	0.00	2000.00	11.30	11.90	23 200.00	20.0	4640.00	23 800.00	4760.00	6296.20	0.30	0.54	0.84	-	26.50	26.50	-	26.50	26.50	4 121.34	33 570.06	5 035.51
Eixo GO-326	2910	+	0.00	2950	+	0.00	800.00	11.30	11.90	9 280.00	20.0	1856.00	9 520.00	1904.00	2518.48	0.30	1.68	1.98	-	27.90	27.90	-	27.90	27.90	3 889.54	14 137.43	2 120.61
Eixo GO-326	2950	+	0.00	3000	+	0.00	1000.00	11.30	11.90	11 600.00	20.0	2320.00	11 900.00	2380.00	3148.10	0.30	2.58	2.88	-	28.80	28.80	-	28.80	28.80	7 071.89	18 241.84	2 736.28
Eixo GO-326	3000	+	0.00	3060	+	0.00	1200.00	11.30	11.90	13 920.00	20.0	2784.00	14 280.00	2856.00	3777.72	0.30	3.68	3.98	-	29.90	29.90	-	29.90	29.90	11 727.55	22 726.30	3 408.94
Eixo GO-326	3060	+	0.00	3150	+	0.00	1800.00	11.30	11.90	20 880.00	20.0	4176.00	21 420.00	4284.00	5666.58	0.30	5.18	5.48	-	31.40	31.40	-	31.40	31.40	24 221.21	35 799.62	5 369.94
Eixo GO-326	3150	+	0.00	3168	+	17.66	377.66	11.30	11.90	4 380.82	20.0	876.16	4 494.12	898.82	1188.90	0.30	6.27	6.57	-	32.49	32.49	-	32.49	32.49	6 091.56	7 771.55	1 165.73
TOTAIS							**63 377.66**			**735 180.82**		**147 036.16**		**150 838.82**	**204 132.52**										**1 546 616.70**	**634 498.63**	**95 174.79**

		REV. 0	REV. 1		
	DATA	25/07/2025	02/09/2025		
	PROJETO	OLIVEIRA & RAE ENGENHARIA	OLIVEIRA & RAE ENGENHARIA		
	EXECUÇÃO				
	VERIFICAÇÃO				
	APROVAÇÃO				

Oliveira-Rae Engenharia
CONTRATO: 099/2023
CÓD. INTERNO nº 0152-FP-PAV-RL-001.V1A

GO INFRA

ANTEPROJETO DE ENGENHARIA PARA CONSTRUÇÃO DE RODOVIA

RODOVIA: GO-236
TRECHO: FLORES DE GOIÁS - ENTR. BR-020

RESPONSÁVEL TÉCNICO
Responsável Técnico pelo Projeto de Pavimentação
Agnaldo José de Oliveira Junior (CREA/MS 31441)

TÍTULO: PROJETO DE PAVIMENTAÇÃO
ESCALA: S/ESCALA
Nº: 0152-FP-PAV-RL-001.V1A
FOLHA: 07 de 12

QUADRO DE QUANTIDADES

QUADRO DE DADOS DE ENTRADA - QDE 02		
Código	**Serviço**	**(m²)**
40380	IMPRIMAÇÃO	**716 167.52**

Local de Execução	Entre Estacas						Extensão (m)	Largura (m)	Área (m2)	Densidade/ Taxa	Peso (T) CM-30	DMT (Km)			Momento de Transporte
	Inicial			Final								Fixa	Variável	DMT	TKM
Eixo GO-326	0	+	0.00	100	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	29.70	29.70	805.46
Eixo GO-326	100	+	0.00	200	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	27.70	27.70	751.22
Eixo GO-326	200	+	0.00	300	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	25.70	25.70	696.98
Eixo GO-326	300	+	0.00	390	+	0.00	1800.00	11.30	20 340	0.0012	24.41	-	23.80	23.80	580.91
Eixo GO-326	390	+	0.00	480	+	0.00	1800.00	11.30	20 340	0.0012	24.41	-	22.00	22.00	536.98
Eixo GO-326	480	+	0.00	530	+	0.00	1000.00	11.30	11 300	0.0012	13.56	-	20.60	20.60	279.34
Eixo GO-326	530	+	0.00	610	+	0.00	1600.00	11.30	18 080	0.0012	21.70	-	19.30	19.30	418.73
Eixo GO-326	610	+	0.00	710	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	17.50	17.50	474.60
Eixo GO-326	710	+	0.00	810	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	15.50	15.50	420.36
Eixo GO-326	810	+	0.00	910	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	13.50	13.50	366.12
Eixo GO-326	910	+	0.00	1010	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	11.50	11.50	311.88
Eixo GO-326	1010	+	0.00	1110	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	9.50	9.50	257.64
Eixo GO-326	1110	+	0.00	1210	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	7.50	7.50	203.40
Eixo GO-326	1210	+	0.00	1310	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	5.50	5.50	149.16
Eixo GO-326	1310	+	0.00	1410	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	3.50	3.50	94.92
Eixo GO-326	1410	+	0.00	1510	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	1.50	1.50	40.68
Eixo GO-326	1510	+	0.00	1610	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	0.63	0.63	16.95
Eixo GO-326	1610	+	0.00	1710	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	2.50	2.50	67.80
Eixo GO-326	1710	+	0.00	1810	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	4.50	4.50	122.04
Eixo GO-326	1810	+	0.00	1910	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	6.50	6.50	176.28
Eixo GO-326	1910	+	0.00	2010	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	8.50	8.50	230.52
Eixo GO-326	2010	+	0.00	2100	+	0.00	1800.00	11.30	20 340	0.0012	24.41	-	10.40	10.40	253.84
Eixo GO-326	2100	+	0.00	2180	+	0.00	1600.00	11.30	18 080	0.0012	21.70	-	12.10	12.10	262.52
Eixo GO-326	2180	+	0.00	2270	+	0.00	1800.00	11.30	20 340	0.0012	24.41	-	13.80	13.80	336.83
Eixo GO-326	2270	+	0.00	2370	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	15.70	15.70	425.78
Eixo GO-326	2370	+	0.00	2440	+	0.00	1400.00	11.30	15 820	0.0012	18.98	-	17.40	17.40	330.32
Eixo GO-326	2440	+	0.00	2510	+	0.00	1400.00	11.30	15 820	0.0012	18.98	-	18.80	18.80	356.90
Eixo GO-326	2510	+	0.00	2610	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	20.50	20.50	555.96
Eixo GO-326	2610	+	0.00	2710	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	22.50	22.50	610.20
Eixo GO-326	2710	+	0.00	2810	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	24.50	24.50	664.44
Eixo GO-326	2810	+	0.00	2910	+	0.00	2000.00	11.30	22 600	0.0012	27.12	-	26.50	26.50	718.68
Eixo GO-326	2910	+	0.00	2950	+	0.00	800.00	11.30	9 040	0.0012	10.85	-	27.90	27.90	302.66
Eixo GO-326	2950	+	0.00	3000	+	0.00	1000.00	11.30	11 300	0.0012	13.56	-	28.80	28.80	390.53
Eixo GO-326	3000	+	0.00	3060	+	0.00	1200.00	11.30	13 560	0.0012	16.27	-	29.90	29.90	486.53
Eixo GO-326	3060	+	0.00	3150	+	0.00	1800.00	11.30	20 340	0.0012	24.41	-	31.40	31.40	766.41
Eixo GO-326	3150	+	0.00	3168	+	17.66	377.66	11.30	4 268	0.0012	5.12	-	32.49	32.49	166.38
TOTAIS							**63 377.66**		**716 167.52**		**859.40**			**15.86**	**13 629.96**

	REV. 0	REV. 1		
DATA	25/07/2025	02/09/2025		
PROJETO	OLIVEIRA & RAE ENGENHARIA	OLIVEIRA & RAE ENGENHARIA		
EXECUÇÃO				
VERIFICAÇÃO				
APROVAÇÃO				

Oliveira-Rae Engenharia
CONTRATO: 099/2023
CÓD. INTERNO nº 0152-FP-PAV-RL-001.V1A

GO INFRA

ANTEPROJETO DE ENGENHARIA PARA CONSTRUÇÃO DE RODOVIA

RODOVIA: GO-236
TRECHO: FLORES DE GOIÁS - ENTR. BR-020

RESPONSÁVEL TÉCNICO
Responsável Técnico pelo Projeto de Pavimentação
Agnaldo José de Oliveira Junior (CREA/MS 31441)

TÍTULO: PROJETO DE PAVIMENTAÇÃO
ESCALA: S/ESCALA
Nº: 0152-FP-PAV-RL-001.V1A
FOLHA: 08 de 12

QUADRO DE QUANTIDADES

QUADRO DE DADOS DE ENTRADA - QDE 02		
Código	**Serviço**	**(m²)**
40609	TRATAMENTO SUPERFICIAL DUPLO - TSD (BC)	**697 154.23**

Local de Execução	Entre Estacas						Extensão (m)	Largura (m)	Área (m2)	Densidade/Taxa (1 Camada) - RR-2C	Densidade/Taxa (2 Camada) - RR-2C	Densidade/Taxa (1 Camada) - Agreg.	Densidade/Taxa (2 Camada) - Agreg.	Peso (T) 1 Camada RR-2C	Peso (T) 2 Camada RR-2C	Peso (T) 1 Camada Agregado	Peso (T) 2 Camada Agregado	DMT (km)			Momento de Transporte	Momento de Transporte
	Inicial			Final														Fixa	Variável	DMT	TKM (RR-2C)	TKM (Agregado)
Eixo GO-326	0	+	0.00	100	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	29.70	29.70	1 829.52	22 215.60
Eixo GO-326	100	+	0.00	200	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	27.70	27.70	1 706.32	20 719.60
Eixo GO-326	200	+	0.00	300	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	25.70	25.70	1 583.12	19 223.60
Eixo GO-326	300	+	0.00	390	+	0.00	1800.00	11.00	19 800	0.0015	0.0013	0.0220	0.0120	29.70	25.74	435.60	237.60	-	23.80	23.80	1 319.47	16 022.16
Eixo GO-326	390	+	0.00	480	+	0.00	1800.00	11.00	19 800	0.0015	0.0013	0.0220	0.0120	29.70	25.74	435.60	237.60	-	22.00	22.00	1 219.68	14 810.40
Eixo GO-326	480	+	0.00	530	+	0.00	1000.00	11.00	11 000	0.0015	0.0013	0.0220	0.0120	16.50	14.30	242.00	132.00	-	20.60	20.60	634.48	7 704.40
Eixo GO-326	530	+	0.00	610	+	0.00	1600.00	11.00	17 600	0.0015	0.0013	0.0220	0.0120	26.40	22.88	387.20	211.20	-	19.30	19.30	951.10	11 549.12
Eixo GO-326	610	+	0.00	710	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	17.50	17.50	1 078.00	13 090.00
Eixo GO-326	710	+	0.00	810	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	15.50	15.50	954.80	11 594.00
Eixo GO-326	810	+	0.00	910	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	13.50	13.50	831.60	10 098.00
Eixo GO-326	910	+	0.00	1010	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	11.50	11.50	708.40	8 602.00
Eixo GO-326	1010	+	0.00	1110	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	9.50	9.50	585.20	7 106.00
Eixo GO-326	1110	+	0.00	1210	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	7.50	7.50	462.00	5 610.00
Eixo GO-326	1210	+	0.00	1310	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	5.50	5.50	338.80	4 114.00
Eixo GO-326	1310	+	0.00	1410	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	3.50	3.50	215.60	2 618.00
Eixo GO-326	1410	+	0.00	1510	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	1.50	1.50	92.40	1 122.00
Eixo GO-326	1510	+	0.00	1610	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	0.63	0.63	38.50	467.50
Eixo GO-326	1610	+	0.00	1710	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	2.50	2.50	154.00	1 870.00
Eixo GO-326	1710	+	0.00	1810	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	4.50	4.50	277.20	3 366.00
Eixo GO-326	1810	+	0.00	1910	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	6.50	6.50	400.40	4 862.00
Eixo GO-326	1910	+	0.00	2010	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	8.50	8.50	523.60	6 358.00
Eixo GO-326	2010	+	0.00	2100	+	0.00	1800.00	11.00	19 800	0.0015	0.0013	0.0220	0.0120	29.70	25.74	435.60	237.60	-	10.40	10.40	576.58	7 001.28
Eixo GO-326	2100	+	0.00	2180	+	0.00	1600.00	11.00	17 600	0.0015	0.0013	0.0220	0.0120	26.40	22.88	387.20	211.20	-	12.10	12.10	596.29	7 240.64
Eixo GO-326	2180	+	0.00	2270	+	0.00	1800.00	11.00	19 800	0.0015	0.0013	0.0220	0.0120	29.70	25.74	435.60	237.60	-	13.80	13.80	765.07	9 290.16
Eixo GO-326	2270	+	0.00	2370	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	15.70	15.70	967.12	11 743.60
Eixo GO-326	2370	+	0.00	2440	+	0.00	1400.00	11.00	15 400	0.0015	0.0013	0.0220	0.0120	23.10	20.02	338.80	184.80	-	17.40	17.40	750.29	9 110.64
Eixo GO-326	2440	+	0.00	2510	+	0.00	1400.00	11.00	15 400	0.0015	0.0013	0.0220	0.0120	23.10	20.02	338.80	184.80	-	18.80	18.80	810.66	9 843.68
Eixo GO-326	2510	+	0.00	2610	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	20.50	20.50	1 262.80	15 334.00
Eixo GO-326	2610	+	0.00	2710	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	22.50	22.50	1 386.00	16 830.00
Eixo GO-326	2710	+	0.00	2810	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	24.50	24.50	1 509.20	18 326.00
Eixo GO-326	2810	+	0.00	2910	+	0.00	2000.00	11.00	22 000	0.0015	0.0013	0.0220	0.0120	33.00	28.60	484.00	264.00	-	26.50	26.50	1 632.40	19 822.00
Eixo GO-326	2910	+	0.00	2950	+	0.00	800.00	11.00	8 800	0.0015	0.0013	0.0220	0.0120	13.20	11.44	193.60	105.60	-	27.90	27.90	687.46	8 347.68
Eixo GO-326	2950	+	0.00	3000	+	0.00	1000.00	11.00	11 000	0.0015	0.0013	0.0220	0.0120	16.50	14.30	242.00	132.00	-	28.80	28.80	887.04	10 771.20
Eixo GO-326	3000	+	0.00	3060	+	0.00	1200.00	11.00	13 200	0.0015	0.0013	0.0220	0.0120	19.80	17.16	290.40	158.40	-	29.90	29.90	1 105.10	13 419.12
Eixo GO-326	3060	+	0.00	3150	+	0.00	1800.00	11.00	19 800	0.0015	0.0013	0.0220	0.0120	29.70	25.74	435.60	237.60	-	31.40	31.40	1 740.82	21 138.48
Eixo GO-326	3150	+	0.00	3168	+	17.66	377.66	11.00	4 154	0.0015	0.0013	0.0220	0.0120	6.23	5.40	91.39	49.85	-	32.49	32.49	377.90	4 588.84
TOTAIS							**63 377.66**		**697 154.23**					**1 045.73**	**906.30**	**15 337.39**	**8 365.85**				**30 958.92**	**250 619.80**

	REV. 0	REV. 1		
DATA	25/07/2025	02/09/2025		
PROJETO	OLIVEIRA & RAE ENGENHARIA	OLIVEIRA & RAE ENGENHARIA		
EXECUÇÃO				
VERIFICAÇÃO				
APROVAÇÃO				

Oliveira-Rae Engenharia — CONTRATO: 099/2023
CÓD. INTERNO nº 0152-FP-PAV-RL-001.V1A

GO INFRA

ANTEPROJETO DE ENGENHARIA PARA CONSTRUÇÃO DE RODOVIA

RODOVIA: GO-236
TRECHO: FLORES DE GOIÁS - ENTR. BR-020

RESPONSÁVEL TÉCNICO

Responsável Técnico pelo Projeto de Pavimentação
Agnaldo José de Oliveira Junior (CREA/MS 31441)

TÍTULO: PROJETO DE PAVIMENTAÇÃO

ESCALA: S/ESCALA

Nº: 0152-FP-PAV-RL-001.V1A

FOLHA: 09 de 12

QUADRO DE QUANTIDADES

QUADRO DE DADOS DE ENTRADA - QDE 02		
Código	**Serviço**	**(m³)**
40602	CONCRETO BETUMINOSO USINADO À QUENTE - CBUQ - FAIXA C	**17 745.74**

Local de Execução	Entre Estacas						Extensão (m)	Largura (m)	Área (m2)	Esp. (cm)	Volume (m³)	%	Volume (m³)	Peso (T)						DMT (Km)			Momento de Transporte (TKM)
	Inicial			Final										CAP (6%)	Areia	Brita	Filler	Pedrisco	Massa Asfáltica	Fixa	Variável	DMT	Massa Asfáltica
Eixo GO-326	0	+	0.00	100	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	29.70	29.70	39 916.80
Eixo GO-326	100	+	0.00	200	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	27.70	27.70	37 228.80
Eixo GO-326	200	+	0.00	300	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	25.70	25.70	34 540.80
Eixo GO-326	300	+	0.00	390	+	0.00	1800.00	7.00	12600.00	4.0	504.00	100.00	504.00	72.58	378.30	151.10	67.98	166.17	1 209.60	-	23.80	23.80	28 788.48
Eixo GO-326	390	+	0.00	480	+	0.00	1800.00	7.00	12600.00	4.0	504.00	100.00	504.00	72.58	378.30	151.10	67.98	166.17	1 209.60	-	22.00	22.00	26 611.20
Eixo GO-326	480	+	0.00	530	+	0.00	1000.00	7.00	7000.00	4.0	280.00	100.00	280.00	40.32	210.17	83.94	37.77	92.32	672.00	-	20.60	20.60	13 843.20
Eixo GO-326	530	+	0.00	610	+	0.00	1600.00	7.00	11200.00	4.0	448.00	100.00	448.00	64.51	336.27	134.31	60.43	147.71	1 075.20	-	19.30	19.30	20 751.36
Eixo GO-326	610	+	0.00	710	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	17.50	17.50	23 520.00
Eixo GO-326	710	+	0.00	810	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	15.50	15.50	20 832.00
Eixo GO-326	810	+	0.00	910	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	13.50	13.50	18 144.00
Eixo GO-326	910	+	0.00	1010	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	11.50	11.50	15 456.00
Eixo GO-326	1010	+	0.00	1110	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	9.50	9.50	12 768.00
Eixo GO-326	1110	+	0.00	1210	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	7.50	7.50	10 080.00
Eixo GO-326	1210	+	0.00	1310	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	5.50	5.50	7 392.00
Eixo GO-326	1310	+	0.00	1410	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	3.50	3.50	4 704.00
Eixo GO-326	1410	+	0.00	1510	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	1.50	1.50	2 016.00
Eixo GO-326	1510	+	0.00	1610	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	0.50	0.50	672.00
Eixo GO-326	1610	+	0.00	1710	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	2.50	2.50	3 360.00
Eixo GO-326	1710	+	0.00	1810	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	4.50	4.50	6 048.00
Eixo GO-326	1810	+	0.00	1910	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	6.50	6.50	8 736.00
Eixo GO-326	1910	+	0.00	2010	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	8.50	8.50	11 424.00
Eixo GO-326	2010	+	0.00	2100	+	0.00	1800.00	7.00	12600.00	4.0	504.00	100.00	504.00	72.58	378.30	151.10	67.98	166.17	1 209.60	-	10.40	10.40	12 579.84
Eixo GO-326	2100	+	0.00	2180	+	0.00	1600.00	7.00	11200.00	4.0	448.00	100.00	448.00	64.51	336.27	134.31	60.43	147.71	1 075.20	-	12.10	12.10	13 009.92
Eixo GO-326	2180	+	0.00	2270	+	0.00	1800.00	7.00	12600.00	4.0	504.00	100.00	504.00	72.58	378.30	151.10	67.98	166.17	1 209.60	-	13.80	13.80	16 692.48
Eixo GO-326	2270	+	0.00	2370	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	15.70	15.70	21 100.80
Eixo GO-326	2370	+	0.00	2440	+	0.00	1400.00	7.00	9800.00	4.0	392.00	100.00	392.00	56.45	294.24	117.52	52.87	129.24	940.80	-	17.40	17.40	16 369.92
Eixo GO-326	2440	+	0.00	2510	+	0.00	1400.00	7.00	9800.00	4.0	392.00	100.00	392.00	56.45	294.24	117.52	52.87	129.24	940.80	-	18.80	18.80	17 687.04
Eixo GO-326	2510	+	0.00	2610	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	20.50	20.50	27 552.00
Eixo GO-326	2610	+	0.00	2710	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	22.50	22.50	30 240.00
Eixo GO-326	2710	+	0.00	2810	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	24.50	24.50	32 928.00
Eixo GO-326	2810	+	0.00	2910	+	0.00	2000.00	7.00	14000.00	4.0	560.00	100.00	560.00	80.64	420.34	167.89	75.53	184.63	1 344.00	-	26.50	26.50	35 616.00
Eixo GO-326	2910	+	0.00	2950	+	0.00	800.00	7.00	5600.00	4.0	224.00	100.00	224.00	32.26	168.13	67.16	30.21	73.85	537.60	-	27.90	27.90	14 999.04
Eixo GO-326	2950	+	0.00	3000	+	0.00	1000.00	7.00	7000.00	4.0	280.00	100.00	280.00	40.32	210.17	83.94	37.77	92.32	672.00	-	28.80	28.80	19 353.60
Eixo GO-326	3000	+	0.00	3060	+	0.00	1200.00	7.00	8400.00	4.0	336.00	100.00	336.00	48.38	252.20	100.73	45.32	110.78	806.40	-	29.90	29.90	24 111.36
Eixo GO-326	3060	+	0.00	3150	+	0.00	1800.00	7.00	12600.00	4.0	504.00	100.00	504.00	72.58	378.30	151.10	67.98	166.17	1 209.60	-	31.40	31.40	37 981.44
Eixo GO-326	3150	+	0.00	3168	+	17.66	377.66	7.00	2643.60	4.0	105.74	100.00	105.74	15.23	79.37	31.70	14.26	34.86	253.79	-	32.49	32.49	8 245.19
TOTAIS							**63 377.66**		**443 643.60**		**17 745.74**		**17 745.74**	**2 555.39**	**13 319.96**	**5 320.17**	**2 393.55**	**5 850.77**	**42 589.79**				**675 299.27**

	REV. 0	REV. 1		
DATA	25/07/2025	02/09/2025		
PROJETO	OLIVEIRA & RAE ENGENHARIA	OLIVEIRA & RAE ENGENHARIA		
EXECUÇÃO				
VERIFICAÇÃO				
APROVAÇÃO				

Oliveira-Rae Engenharia — CONTRATO: 099/2023
CÓD. INTERNO nº 0152-FP-PAV-RL-001.V1A

GO INFRA

ANTEPROJETO DE ENGENHARIA PARA CONSTRUÇÃO DE RODOVIA

RODOVIA: GO-236
TRECHO: FLORES DE GOIÁS - ENTR. BR-020

RESPONSÁVEL TÉCNICO
Responsável Técnico pelo Projeto de Pavimentação
Agnaldo José de Oliveira Junior (CREA/MS 31441)

TÍTULO: PROJETO DE PAVIMENTAÇÃO
ESCALA: S/ESCALA
Nº: 0152-FP-PAV-RL-001.V1A
FOLHA: 10 de 12

QUADRO DE QUANTIDADES

QUADRO DE DADOS DE ENTRADA - QDE 03			
CONSUMO DE MATERIAIS PARA ORÇAMENTO			
SERVIÇO	MATERIAL	TAXA	
IMPRIMAÇÃO	CM-30	1.2000	l/m²
MICRO	RC-1C-E	1.7000	l/m²
	AGREGADO	0.0100	m³/m²
	FILLER - CIMENTO	0.2250	kg/m³
ESTABILIZAÇÃO SOLO BRITA	SOLO	0.6000	m³/m³
	CASCALHO	0.4000	m³/m³
ESTABILIZAÇÃO CASCALHO BRITA CIMENTO	CASCALHO	0.7800	m³/m³
	BRITA	0.2000	m³/m³
	CIMENTO	0.0200	t/m³
TRATAMENTO SUPERFICIAL DUPLO 1º CAMADA	EMULSÃO – RR 2C	1.5000	l/m²
	AGREGADO	22.0000	kg/m³
TRATAMENTO SUPERFICIAL DUPLO 2º CAMADA	EMULSÃO – RR 2C	1.3000	l/m²
	AGREGADO	12.0000	kg/m³
CIMENTO BETUMINOSO USINADO A QUENTE	CAP 30/45	144.0000	kg/m³
	AREIA	0.7506	m³/m³
	BRITA	0.2998	m³/m³
	FILLER	134.8800	kg/m³
	PEDRISCO	0.3297	m³/m³

CÓDIGO	TRANSPORTE	Un.	Quant.
40455	Transporte Comercial de Agregados	m3km	7 819 448.87
40445	Transporte Local de Agregados	m3km	885 118.43
40450	Transporte Comercial de Cimento / Cal / Filler	tkm	2 240 446.18
40449	Transporte Local de Cimento / Cal / Filler	tkm	95 174.79
40530	Transporte Comercial de Material Betuminoso	tkm	2 125 260.72
40435	Transporte Local de Material Betuminoso	tkm	44 588.88
40320	Transporte de Material de Jazida (CASCALHO)	m3km	1 546 616.70
40320A	Transporte de Material de Jazida (SOLO)	m3km	342 807.86

CÓDIGO	FORNECIMENTO	Un.	Quant.
40480	Fornecimento de CM-30	t	859.40
40490	Fornecimento de Emulsão RR-2C	t	1 952.03
40511	Fornecimento de CAP 30/45	t	2 555.39
40317	Fornecimento de Material de Jazida (Cascalho)	m³	159 223.37

QUADRO DE DADOS DE ENTRADA - QDE 04								
RESUMO DAS DISTÂNCIAS DE TRANSPORTE								
MATERIAL		SERVIÇO	TRANSPORTE LOCAL			TRANSPORTE COMERCIAL		
			ORIGEM	DESTINO	DT (km)	ORIGEM	DESTINO	DT (km)
AGREGADOS	BRITA	BASE	Canteiro	Pista	21.03	Itaforte - GO	Canteiro	94.90
	AGREGADOS	TSD	Canteiro	Pista	10.57	Itaforte - GO	Canteiro	94.90
	BRITA	CBUQ	-	-	-	Itaforte - GO	Canteiro	94.90
	FILLER	CBUQ	-	-	-	Votorantim - GO	Canteiro	267.00
	AREIA	CBUQ	-	-	-	Areal Dourado - GO	Canteiro	110.00
	PEDRISCO	CBUQ	-	-	-	Itaforte - GO	Canteiro	94.90
MATERIAIS BETUMINOSOS	CM-30	IMPRIMAÇÃO	Canteiro	Pista	15.86	Greca - GO	Canteiro	396.00
	RR-2C	TSD	Canteiro	Pista	15.86	Greca - GO	Canteiro	396.00
	CAP 30/45	CBUQ	-	-	-	Greca - GO	Canteiro	396.00
	MASSA ASFÁLTICA	CBUQ	Canteiro	Pista	15.86	-	-	-
CIMENTO	CIMENTO	BASE	Canteiro	Pista	15.81	Votorantim - GO	Canteiro	267.00
CASCALHO DE JAZIDA	CASCALHO	BASE	JZ-01	Pista	8.07	N/A	N/A	N/A
	CASCALHO	BASE	JZ-02	Pista	14.33	N/A	N/A	N/A
	CASCALHO	BASE	JZ-03	Pista	13.04	N/A	N/A	N/A

*N/A - Não se aplica

*Canteiro localizado na estaca 1535+0.00

*Usinas de Mistura localizadas no Canterio

*JZ-01, 02 e 03- Jazida de laterita 01, 02 e 03

	REV. 0	REV. 1		
DATA	25/07/2025	02/09/2025		
PROJETO	OLIVEIRA & RAE ENGENHARIA	OLIVEIRA & RAE ENGENHARIA		
EXECUÇÃO				
VERIFICAÇÃO				
APROVAÇÃO				

Oliveira-Rae Engenharia
CONTRATO: 099/2023
CÓD. INTERNO nº 0152-FP-PAV-RL-001.V1A

GO INFRA

ANTEPROJETO DE ENGENHARIA PARA CONSTRUÇÃO DE RODOVIA

RODOVIA: GO-236
TRECHO: FLORES DE GOIÁS - ENTR. BR-020

RESPONSÁVEL TÉCNICO
Responsável Técnico pelo Projeto de Pavimentação
Agnaldo José de Oliveira Junior (CREA/MS 31441)

TÍTULO: PROJETO DE PAVIMENTAÇÃO
ESCALA: S/ESCALA
Nº: 0152-FP-PAV-RL-001.V1A
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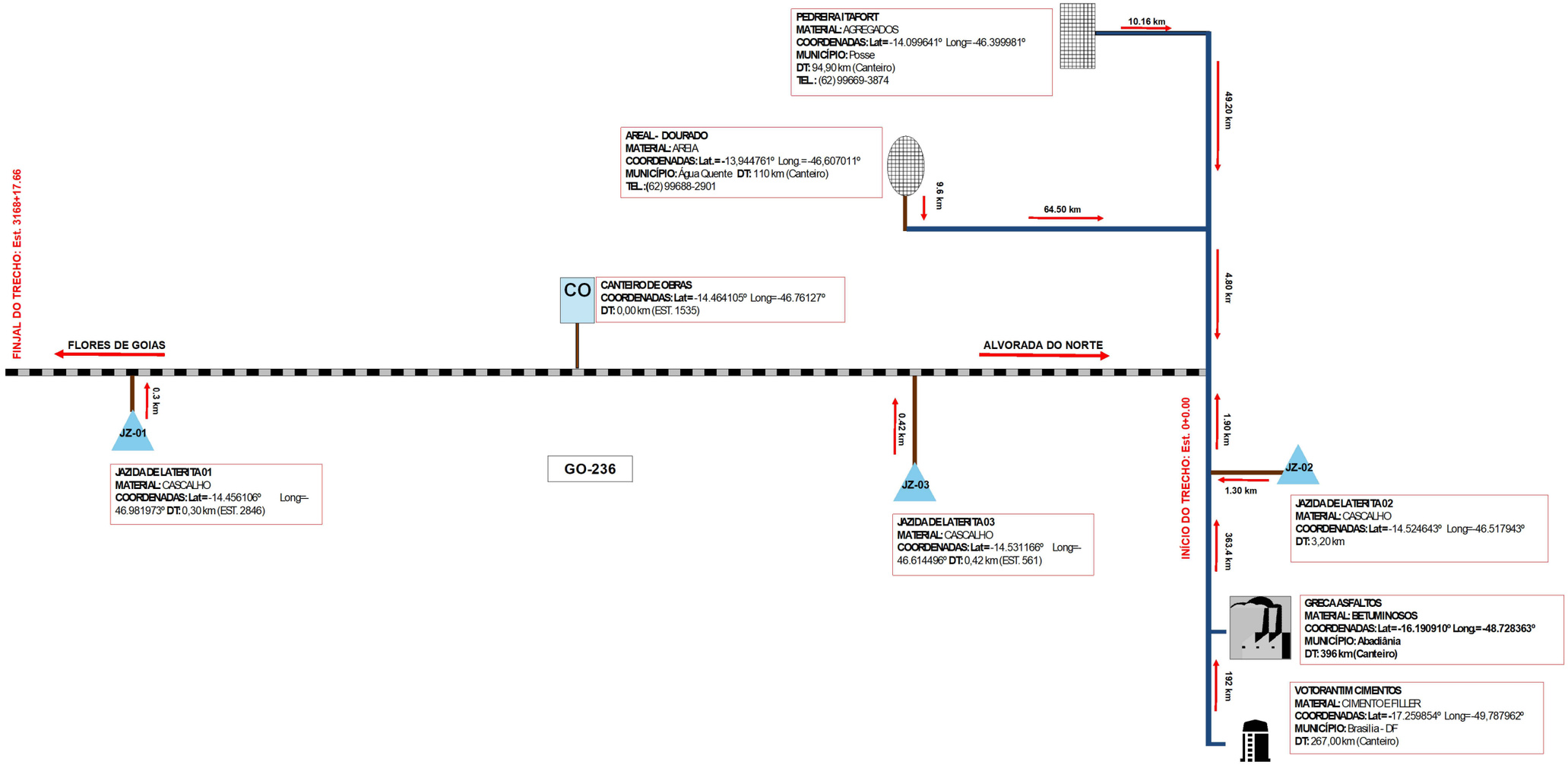
PLANTA ESQUEMÁTICA - DMT's

DIAGRAMA DE LOCALIZAÇÃO DAS FONTES DE MATERIAIS



Legenda:

- = Rodovia Proietada
- = Pavimentada
- = Não Pavimentada
- CO — CANTEIRO DE OBRAS
- AREAL
- FABRICA DE CIMENTO
- JZ — JAZIDA DE LATERÍTA
- PEDREIRA
- DISTRIBUIDORA MATERIAL BETUMINOSO

	REV. 0	REV. 1		
DATA	25/07/2025	02/09/2025		
PROJETO	OLIVEIRA & RAE ENGENHARIA	OLIVEIRA & RAE ENGENHARIA		
EXECUÇÃO				
VERIFICAÇÃO				
APROVAÇÃO				

Oliveira-Rae Engenharia — CONTRATO: 099/2023
CÓD. INTERNO nº 0152-FP-PAV-RL-001.V1A

GO INFRA

ANTEPROJETO DE ENGENHARIA PARA CONSTRUÇÃO DE RODOVIA

RODOVIA: GO-236
TRECHO: FLORES DE GOIÁS - ENTR. BR-020

RESPONSÁVEL TÉCNICO
Responsável Técnico pelo Projeto de Pavimentação
Agnaldo José de Oliveira Junior (CREA/MS 31441)

TÍTULO: PROJETO DE PAVIMENTAÇÃO
ESCALA: S/ESCALA
Nº: 0152-FP-PAV-RL-001.V1A
FOLHA: 12 de 12

III. NOTAS DE SERVIÇO DE PAVIMENTAÇÃO

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	531.131	-4.00	-3.50	531.511	-4.00	0	+	0.00	8395621.172	336449.327	530.976	531.651	0.67	3.500	531.511	-4.00	5.50	531.131	-4.00
-5.500	531.160	-4.00	-3.50	531.540	-4.00	1	+	0.00	8395626.446	336430.034	530.954	531.680	0.73	3.500	531.540	-4.00	5.50	531.160	-4.00
-5.500	531.377	-4.00	-3.50	531.757	-4.00	1	+	11.69	8395629.529	336418.756	531.233	531.897	0.66	3.500	531.757	-4.00	5.50	531.377	-4.00
-5.500	531.624	-4.00	-3.50	532.004	-4.00	2	+	0.00	8395631.574	336410.704	531.557	532.144	0.59	3.500	532.004	-4.00	5.50	531.624	-4.00
-5.500	532.524	-4.00	-3.50	532.904	-4.00	3	+	0.00	8395635.296	336391.060	532.492	533.044	0.55	3.500	532.904	-4.00	5.50	532.524	-4.00
-5.500	532.696	-4.00	-3.50	533.076	-4.00	3	+	3.29	8395635.743	336387.805	532.643	533.216	0.57	3.500	533.076	-4.00	5.50	532.696	-4.00
-5.500	533.567	-4.00	-3.50	533.947	-4.00	4	+	0.00	8395637.297	336371.167	533.530	534.087	0.56	3.500	533.947	-4.00	5.50	533.567	-4.00
-5.500	534.343	-4.00	-3.50	534.723	-4.00	4	+	14.88	8395637.661	336356.295	534.248	534.863	0.62	3.500	534.723	-4.00	5.50	534.343	-4.00
-5.500	534.610	-4.00	-3.50	534.990	-4.00	5	+	0.00	8395637.621	336351.174	534.431	535.130	0.70	3.500	534.990	-4.00	5.50	534.610	-4.00
-5.500	535.615	-4.00	-3.50	535.995	-4.00	6	+	0.00	8395637.463	336331.175	535.315	536.135	0.82	3.500	535.995	-4.00	5.50	535.615	-4.00
-5.500	536.545	-4.00	-3.50	536.925	-4.00	7	+	0.00	8395637.305	336311.175	536.111	537.065	0.95	3.500	536.925	-4.00	5.50	536.545	-4.00
-5.500	537.401	-4.00	-3.50	537.781	-4.00	8	+	0.00	8395637.147	336291.176	537.088	537.921	0.83	3.500	537.781	-4.00	5.50	537.401	-4.00
-5.500	538.181	-4.00	-3.50	538.561	-4.00	9	+	0.00	8395636.990	336271.177	537.715	538.701	0.99	3.500	538.561	-4.00	5.50	538.181	-4.00
-5.500	538.887	-4.00	-3.50	539.267	-4.00	10	+	0.00	8395636.832	336251.177	538.274	539.407	1.13	3.500	539.267	-4.00	5.50	538.887	-4.00
-5.500	539.518	-4.00	-3.50	539.898	-4.00	11	+	0.00	8395636.674	336231.178	538.915	540.038	1.12	3.500	539.898	-4.00	5.50	539.518	-4.00
-5.500	540.075	-4.00	-3.50	540.455	-4.00	12	+	0.00	8395636.516	336211.178	539.881	540.595	0.71	3.500	540.455	-4.00	5.50	540.075	-4.00
-5.500	540.556	-4.00	-3.50	540.936	-4.00	13	+	0.00	8395636.358	336191.179	540.126	541.076	0.95	3.500	540.936	-4.00	5.50	540.556	-4.00
-5.500	540.963	-4.00	-3.50	541.343	-4.00	14	+	0.00	8395636.201	336171.180	540.199	541.483	1.28	3.500	541.343	-4.00	5.50	540.963	-4.00
-5.500	541.295	-4.00	-3.50	541.675	-4.00	15	+	0.00	8395636.043	336151.180	540.540	541.815	1.28	3.500	541.675	-4.00	5.50	541.295	-4.00
-5.500	541.589	-4.00	-3.50	541.969	-4.00	16	+	0.00	8395635.885	336131.181	541.168	542.109	0.94	3.500	541.969	-4.00	5.50	541.589	-4.00
-5.500	541.883	-4.00	-3.50	542.263	-4.00	17	+	0.00	8395635.727	336111.181	541.294	542.403	1.11	3.500	542.263	-4.00	5.50	541.883	-4.00
-5.500	542.178	-4.00	-3.50	542.558	-4.00	18	+	0.00	8395635.570	336091.182	541.821	542.698	0.88	3.500	542.558	-4.00	5.50	542.178	-4.00
-5.500	542.472	-4.00	-3.50	542.852	-4.00	19	+	0.00	8395635.412	336071.183	542.101	542.992	0.89	3.500	542.852	-4.00	5.50	542.472	-4.00
-5.500	542.767	-4.00	-3.50	543.147	-4.00	20	+	0.00	8395635.254	336051.183	542.495	543.287	0.79	3.500	543.147	-4.00	5.50	542.767	-4.00
-5.500	543.061	-4.00	-3.50	543.441	-4.00	21	+	0.00	8395635.096	336031.184	542.374	543.581	1.21	3.500	543.441	-4.00	5.50	543.061	-4.00
-5.500	543.355	-4.00	-3.50	543.735	-4.00	22	+	0.00	8395634.938	336011.185	542.931	543.875	0.94	3.500	543.735	-4.00	5.50	543.355	-4.00
-5.500	543.650	-4.00	-3.50	544.030	-4.00	23	+	0.00	8395634.781	335991.185	542.871	544.170	1.30	3.500	544.030	-4.00	5.50	543.650	-4.00
-5.500	543.944	-4.00	-3.50	544.324	-4.00	24	+	0.00	8395634.623	335971.186	543.366	544.464	1.10	3.500	544.324	-4.00	5.50	543.944	-4.00
-5.500	544.239	-4.00	-3.50	544.619	-4.00	25	+	0.00	8395634.465	335951.186	543.594	544.759	1.16	3.500	544.619	-4.00	5.50	544.239	-4.00
-5.500	544.533	-4.00	-3.50	544.913	-4.00	26	+	0.00	8395634.307	335931.187	543.724	545.053	1.33	3.500	544.913	-4.00	5.50	544.533	-4.00
-5.500	544.828	-4.00	-3.50	545.208	-4.00	27	+	0.00	8395634.149	335911.188	544.030	545.348	1.32	3.500	545.208	-4.00	5.50	544.828	-4.00
-5.500	545.122	-4.00	-3.50	545.502	-4.00	28	+	0.00	8395633.992	335891.188	544.280	545.642	1.36	3.500	545.502	-4.00	5.50	545.122	-4.00
-5.500	545.416	-4.00	-3.50	545.796	-4.00	29	+	0.00	8395633.834	335871.189	544.476	545.936	1.46	3.500	545.796	-4.00	5.50	545.416	-4.00
-5.500	545.711	-4.00	-3.50	546.091	-4.00	30	+	0.00	8395633.676	335851.190	544.680	546.231	1.55	3.500	546.091	-4.00	5.50	545.711	-4.00
-5.500	546.005	-4.00	-3.50	546.385	-4.00	31	+	0.00	8395633.518	335831.190	544.860	546.525	1.66	3.500	546.463	-1.78	5.50	546.127	-1.78
-5.500	546.236	-4.00	-3.50	546.616	-4.00	31	+	15.66	8395633.395	335815.535	544.998	546.756	1.76	3.500	546.756	0.00	5.50	546.456	0.00
-5.500	546.300	-4.00	-3.50	546.680	-4.00	32	+	0.00	8395633.360	335811.191	544.997	546.820	1.82	3.500	546.837	0.49	5.50	546.547	0.49
-5.500	546.594	-4.00	-3.50	546.974	-4.00	33	+	0.00	8395633.099	335791.193	545.010	547.114	2.10	3.500	547.211	2.77	5.50	546.966	2.77
-5.500	546.830	-5.05	-3.50	547.231	-5.05	34	+	0.00	8395632.419	335771.205	545.035	547.408	2.37	3.500	547.585	5.05	5.50	547.386	5.05

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	546.947	-6.60	-3.50	547.379	-6.60	34	+	13.66	8395631.536	335757.579	545.036	547.610	2.57	3.500	547.841	6.60	5.50	547.673	6.60
-5.500	547.040	-6.60	-3.50	547.472	-6.60	35	+	0.00	8395630.977	335751.259	545.066	547.703	2.64	3.500	547.934	6.60	5.50	547.766	6.60
-5.500	547.165	-6.60	-3.50	547.597	-6.60	35	+	8.48	8395629.747	335743.019	545.132	547.828	2.70	3.500	548.059	6.60	5.50	547.891	6.60
-5.500	547.334	-6.60	-3.50	547.766	-6.60	36	+	0.00	8395628.558	335731.408	545.215	547.997	2.78	3.500	548.228	6.60	5.50	548.060	6.60
-5.500	547.383	-6.60	-3.50	547.815	-6.60	36	+	3.30	8395628.064	335728.150	545.242	548.046	2.80	3.500	548.277	6.60	5.50	548.109	6.60
-5.500	547.734	-4.70	-3.50	548.128	-4.70	37	+	0.00	8395625.183	335711.696	545.286	548.292	3.01	3.500	548.457	4.70	5.50	548.251	4.70
-5.500	548.056	-4.00	-3.50	548.436	-4.00	38	+	0.00	8395621.108	335692.116	545.397	548.576	3.18	3.500	548.661	2.42	5.50	548.409	2.42
-5.500	548.272	-4.00	-3.50	548.652	-4.00	39	+	0.00	8395616.675	335672.614	545.411	548.792	3.38	3.500	548.797	0.15	5.50	548.500	0.15
-5.500	548.283	-4.00	-3.50	548.663	-4.00	39	+	1.29	8395616.384	335671.353	545.424	548.803	3.38	3.500	548.803	0.00	5.50	548.503	0.00
-5.500	548.408	-4.00	-3.50	548.788	-4.00	40	+	0.00	8395612.174	335653.127	545.526	548.928	3.40	3.500	548.853	-2.13	5.50	548.511	-2.13
-5.500	548.466	-4.00	-3.50	548.846	-4.00	41	+	0.00	8395607.674	335633.640	545.641	548.986	3.35	3.500	548.846	-4.00	5.50	548.466	-4.00
-5.500	548.445	-4.00	-3.50	548.825	-4.00	42	+	0.00	8395603.173	335614.153	545.694	548.965	3.27	3.500	548.825	-4.00	5.50	548.445	-4.00
-5.500	548.355	-4.00	-3.50	548.735	-4.00	43	+	0.00	8395598.672	335594.666	545.689	548.875	3.19	3.500	548.735	-4.00	5.50	548.355	-4.00
-5.500	548.255	-4.00	-3.50	548.635	-4.00	44	+	0.00	8395594.171	335575.179	545.794	548.775	2.98	3.500	548.635	-4.00	5.50	548.255	-4.00
-5.500	548.155	-4.00	-3.50	548.535	-4.00	45	+	0.00	8395589.670	335555.692	545.920	548.675	2.76	3.500	548.535	-4.00	5.50	548.155	-4.00
-5.500	548.055	-4.00	-3.50	548.435	-4.00	46	+	0.00	8395585.169	335536.205	545.998	548.575	2.58	3.500	548.435	-4.00	5.50	548.055	-4.00
-5.500	547.955	-4.00	-3.50	548.335	-4.00	47	+	0.00	8395580.668	335516.718	545.965	548.475	2.51	3.500	548.335	-4.00	5.50	547.955	-4.00
-5.500	547.855	-4.00	-3.50	548.235	-4.00	48	+	0.00	8395576.168	335497.231	545.933	548.375	2.44	3.500	548.235	-4.00	5.50	547.855	-4.00
-5.500	547.755	-4.00	-3.50	548.135	-4.00	49	+	0.00	8395571.667	335477.744	545.920	548.275	2.36	3.500	548.135	-4.00	5.50	547.755	-4.00
-5.500	547.655	-4.00	-3.50	548.035	-4.00	50	+	0.00	8395567.166	335458.257	545.877	548.175	2.30	3.500	548.035	-4.00	5.50	547.655	-4.00
-5.500	547.555	-4.00	-3.50	547.935	-4.00	51	+	0.00	8395562.665	335438.770	545.772	548.075	2.30	3.500	547.935	-4.00	5.50	547.555	-4.00
-5.500	547.455	-4.00	-3.50	547.835	-4.00	52	+	0.00	8395558.164	335419.283	545.755	547.975	2.22	3.500	547.835	-4.00	5.50	547.455	-4.00
-5.500	547.355	-4.00	-3.50	547.735	-4.00	53	+	0.00	8395553.663	335399.796	545.670	547.875	2.21	3.500	547.735	-4.00	5.50	547.355	-4.00
-5.500	547.255	-4.00	-3.50	547.635	-4.00	54	+	0.00	8395549.162	335380.309	545.646	547.775	2.13	3.500	547.635	-4.00	5.50	547.255	-4.00
-5.500	547.155	-4.00	-3.50	547.535	-4.00	55	+	0.00	8395544.661	335360.822	545.520	547.675	2.15	3.500	547.535	-4.00	5.50	547.155	-4.00
-5.500	547.055	-4.00	-3.50	547.435	-4.00	56	+	0.00	8395540.161	335341.335	545.382	547.575	2.19	3.500	547.435	-4.00	5.50	547.055	-4.00
-5.500	546.955	-4.00	-3.50	547.335	-4.00	57	+	0.00	8395535.660	335321.848	545.079	547.475	2.40	3.500	547.335	-4.00	5.50	546.955	-4.00
-5.500	546.862	-4.00	-3.50	547.242	-4.00	58	+	0.00	8395531.159	335302.361	544.872	547.382	2.51	3.500	547.242	-4.00	5.50	546.862	-4.00
-5.500	546.815	-4.00	-3.50	547.195	-4.00	59	+	0.00	8395526.658	335282.874	544.723	547.335	2.61	3.500	547.195	-4.00	5.50	546.815	-4.00
-5.500	546.822	-4.00	-3.50	547.202	-4.00	60	+	0.00	8395522.157	335263.387	544.474	547.342	2.87	3.500	547.202	-4.00	5.50	546.822	-4.00
-5.500	546.882	-4.00	-3.50	547.262	-4.00	61	+	0.00	8395517.656	335243.90	544.576	547.402	2.83	3.500	547.262	-4.00	5.50	546.882	-4.00
-5.500	546.995	-4.00	-3.50	547.375	-4.00	62	+	0.00	8395513.155	335224.413	544.845	547.515	2.67	3.500	547.375	-4.00	5.50	546.995	-4.00
-5.500	547.155	-4.00	-3.50	547.535	-4.00	63	+	0.00	8395508.655	335204.926	545.049	547.675	2.63	3.500	547.535	-4.00	5.50	547.155	-4.00
-5.500	547.322	-4.00	-3.50	547.702	-4.00	64	+	0.00	8395504.154	335185.439	545.284	547.842	2.56	3.500	547.702	-4.00	5.50	547.322	-4.00
-5.500	547.488	-4.00	-3.50	547.868	-4.00	65	+	0.00	8395499.653	335165.952	545.392	548.008	2.62	3.500	547.868	-4.00	5.50	547.488	-4.00
-5.500	547.655	-4.00	-3.50	548.035	-4.00	66	+	0.00	8395495.152	335146.465	545.489	548.175	2.69	3.500	548.035	-4.00	5.50	547.655	-4.00
-5.500	547.822	-4.00	-3.50	548.202	-4.00	67	+	0.00	8395490.651	335126.979	545.642	548.342	2.70	3.500	548.202	-4.00	5.50	547.822	-4.00
-5.500	547.988	-4.00	-3.50	548.368	-4.00	68	+	0.00	8395486.150	335107.492	545.867	548.508	2.64	3.500	548.368	-4.00	5.50	547.988	-4.00
-5.500	548.155	-4.00	-3.50	548.535	-4.00	69	+	0.00	8395481.649	335088.005	546.066	548.675	2.61	3.500	548.535	-4.00	5.50	548.155	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	548.322	-4.00	-3.50	548.702	-4.00	70	+	0.00	8395477.149	335068.518	546.121	548.842	2.72	3.500	548.702	-4.00	5.50	548.322	-4.00
-5.500	548.488	-4.00	-3.50	548.868	-4.00	71	+	0.00	8395472.648	335049.031	546.266	549.008	2.74	3.500	548.868	-4.00	5.50	548.488	-4.00
-5.500	548.655	-4.00	-3.50	549.035	-4.00	72	+	0.00	8395468.147	335029.544	546.375	549.175	2.80	3.500	549.035	-4.00	5.50	548.655	-4.00
-5.500	548.815	-4.00	-3.50	549.195	-4.00	73	+	0.00	8395463.646	335010.057	546.362	549.335	2.97	3.500	549.195	-4.00	5.50	548.815	-4.00
-5.500	548.928	-4.00	-3.50	549.308	-4.00	74	+	0.00	8395459.145	334990.570	546.489	549.448	2.96	3.500	549.308	-4.00	5.50	548.928	-4.00
-5.500	548.988	-4.00	-3.50	549.368	-4.00	75	+	0.00	8395454.644	334971.083	546.397	549.508	3.11	3.500	549.368	-4.00	5.50	548.988	-4.00
-5.500	548.995	-4.00	-3.50	549.375	-4.00	76	+	0.00	8395450.143	334951.596	546.451	549.515	3.06	3.500	549.375	-4.00	5.50	548.995	-4.00
-5.500	548.948	-4.00	-3.50	549.328	-4.00	77	+	0.00	8395445.643	334932.109	546.477	549.468	2.99	3.500	549.328	-4.00	5.50	548.948	-4.00
-5.500	548.855	-4.00	-3.50	549.235	-4.00	78	+	0.00	8395441.142	334912.622	546.235	549.375	3.14	3.500	549.235	-4.00	5.50	548.855	-4.00
-5.500	548.755	-4.00	-3.50	549.135	-4.00	79	+	0.00	8395436.641	334893.135	546.098	549.275	3.18	3.500	549.135	-4.00	5.50	548.755	-4.00
-5.500	548.655	-4.00	-3.50	549.035	-4.00	80	+	0.00	8395432.140	334873.648	545.979	549.175	3.20	3.500	549.035	-4.00	5.50	548.655	-4.00
-5.500	548.555	-4.00	-3.50	548.935	-4.00	81	+	0.00	8395427.639	334854.161	545.917	549.075	3.16	3.500	548.935	-4.00	5.50	548.555	-4.00
-5.500	548.455	-4.00	-3.50	548.835	-4.00	82	+	0.00	8395423.138	334834.674	545.809	548.975	3.17	3.500	548.835	-4.00	5.50	548.455	-4.00
-5.500	548.355	-4.00	-3.50	548.735	-4.00	83	+	0.00	8395418.637	334815.187	545.716	548.875	3.16	3.500	548.735	-4.00	5.50	548.355	-4.00
-5.500	548.255	-4.00	-3.50	548.635	-4.00	84	+	0.00	8395414.137	334795.70	545.612	548.775	3.16	3.500	548.635	-4.00	5.50	548.255	-4.00
-5.500	548.155	-4.00	-3.50	548.535	-4.00	85	+	0.00	8395409.636	334776.213	545.470	548.675	3.20	3.500	548.535	-4.00	5.50	548.155	-4.00
-5.500	548.055	-4.00	-3.50	548.435	-4.00	86	+	0.00	8395405.135	334756.726	545.380	548.575	3.20	3.500	548.435	-4.00	5.50	548.055	-4.00
-5.500	547.955	-4.00	-3.50	548.335	-4.00	87	+	0.00	8395400.634	334737.239	545.306	548.475	3.17	3.500	548.335	-4.00	5.50	547.955	-4.00
-5.500	547.855	-4.00	-3.50	548.235	-4.00	88	+	0.00	8395396.133	334717.752	545.184	548.375	3.19	3.500	548.235	-4.00	5.50	547.855	-4.00
-5.500	547.755	-4.00	-3.50	548.135	-4.00	89	+	0.00	8395391.632	334698.265	544.977	548.275	3.30	3.500	548.135	-4.00	5.50	547.755	-4.00
-5.500	547.655	-4.00	-3.50	548.035	-4.00	90	+	0.00	8395387.131	334678.778	544.900	548.175	3.27	3.500	548.035	-4.00	5.50	547.655	-4.00
-5.500	547.555	-4.00	-3.50	547.935	-4.00	91	+	0.00	8395382.630	334659.291	544.861	548.075	3.21	3.500	547.935	-4.00	5.50	547.555	-4.00
-5.500	547.455	-4.00	-3.50	547.835	-4.00	92	+	0.00	8395378.130	334639.804	544.831	547.975	3.14	3.500	547.835	-4.00	5.50	547.455	-4.00
-5.500	547.355	-4.00	-3.50	547.735	-4.00	93	+	0.00	8395373.629	334620.317	544.894	547.875	2.98	3.500	547.735	-4.00	5.50	547.355	-4.00
-5.500	547.255	-4.00	-3.50	547.635	-4.00	94	+	0.00	8395369.128	334600.830	544.974	547.775	2.80	3.500	547.635	-4.00	5.50	547.255	-4.00
-5.500	547.237	-4.00	-3.50	547.617	-4.00	94	+	3.68	8395368.301	334597.249	545.000	547.757	2.76	3.500	547.617	-4.00	5.50	547.237	-4.00
-5.500	547.155	-4.00	-3.50	547.535	-4.00	95	+	0.00	8395364.667	334581.334	545.139	547.675	2.54	3.500	547.535	-4.00	5.50	547.155	-4.00
-5.500	547.055	-4.00	-3.50	547.435	-4.00	96	+	0.00	8395360.324	334561.811	545.181	547.575	2.39	3.500	547.435	-4.00	5.50	547.055	-4.00
-5.500	546.955	-4.00	-3.50	547.335	-4.00	97	+	0.00	8395356.101	334542.262	545.277	547.475	2.20	3.500	547.335	-4.00	5.50	546.955	-4.00
-5.500	546.861	-4.00	-3.50	547.241	-4.00	98	+	0.00	8395351.999	334522.687	545.283	547.381	2.10	3.500	547.241	-4.00	5.50	546.861	-4.00
-5.500	546.849	-4.00	-3.50	547.229	-4.00	98	+	3.24	8395351.217	334519.534	545.320	547.369	2.05	3.500	547.229	-4.00	5.50	546.849	-4.00
-5.500	546.806	-4.00	-3.50	547.186	-4.00	99	+	0.00	8395348.018	334503.088	545.320	547.326	2.01	3.500	547.186	-4.00	5.50	546.806	-4.00
-5.500	546.796	-4.00	-3.50	547.176	-4.00	100	+	0.00	8395344.156	334483.464	545.260	547.316	2.06	3.500	547.176	-4.00	5.50	546.796	-4.00
-5.500	546.831	-4.00	-3.50	547.211	-4.00	101	+	0.00	8395340.416	334463.817	545.434	547.351	1.92	3.500	547.211	-4.00	5.50	546.831	-4.00
-5.500	546.911	-4.00	-3.50	547.291	-4.00	102	+	0.00	8395336.797	334444.147	545.510	547.431	1.92	3.500	547.291	-4.00	5.50	546.911	-4.00
-5.500	546.925	-4.00	-3.50	547.305	-4.00	102	+	2.80	8395336.30	334441.389	545.510	547.445	1.94	3.500	547.305	-4.00	5.50	546.925	-4.00
-5.500	547.030	-4.00	-3.50	547.410	-4.00	103	+	0.00	8395333.254	334424.463	545.694	547.550	1.86	3.500	547.410	-4.00	5.50	547.030	-4.00
-5.500	547.155	-4.00	-3.50	547.535	-4.00	104	+	0.00	8395329.712	334404.780	545.820	547.675	1.85	3.500	547.535	-4.00	5.50	547.155	-4.00
-5.500	547.280	-4.00	-3.50	547.660	-4.00	105	+	0.00	8395326.171	334385.096	545.787	547.800	2.01	3.500	547.660	-4.00	5.50	547.280	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	547.405	-4.00	-3.50	547.785	-4.00	106	+	0.00	8395322.629	334365.412	545.757	547.925	2.17	3.500	547.785	-4.00	5.50	547.405	-4.00
-5.500	547.530	-4.00	-3.50	547.910	-4.00	107	+	0.00	8395319.087	334345.728	545.748	548.050	2.30	3.500	547.910	-4.00	5.50	547.530	-4.00
-5.500	547.655	-4.00	-3.50	548.035	-4.00	108	+	0.00	8395315.546	334326.044	545.787	548.175	2.39	3.500	548.035	-4.00	5.50	547.655	-4.00
-5.500	547.780	-4.00	-3.50	548.160	-4.00	109	+	0.00	8395312.004	334306.360	545.776	548.300	2.52	3.500	548.160	-4.00	5.50	547.780	-4.00
-5.500	547.905	-4.00	-3.50	548.285	-4.00	110	+	0.00	8395308.462	334286.676	545.819	548.425	2.61	3.500	548.285	-4.00	5.50	547.905	-4.00
-5.500	548.030	-4.00	-3.50	548.410	-4.00	111	+	0.00	8395304.920	334266.992	545.720	548.550	2.83	3.500	548.410	-4.00	5.50	548.030	-4.00
-5.500	548.155	-4.00	-3.50	548.535	-4.00	112	+	0.00	8395301.379	334247.308	545.929	548.675	2.75	3.500	548.535	-4.00	5.50	548.155	-4.00
-5.500	548.280	-4.00	-3.50	548.660	-4.00	113	+	0.00	8395297.837	334227.624	546.021	548.800	2.78	3.500	548.660	-4.00	5.50	548.280	-4.00
-5.500	548.405	-4.00	-3.50	548.785	-4.00	114	+	0.00	8395294.295	334207.940	545.896	548.925	3.03	3.500	548.785	-4.00	5.50	548.405	-4.00
-5.500	548.530	-4.00	-3.50	548.910	-4.00	115	+	0.00	8395290.753	334188.257	545.957	549.050	3.09	3.500	548.910	-4.00	5.50	548.530	-4.00
-5.500	548.655	-4.00	-3.50	549.035	-4.00	116	+	0.00	8395287.212	334168.573	545.972	549.175	3.20	3.500	549.035	-4.00	5.50	548.655	-4.00
-5.500	548.780	-4.00	-3.50	549.160	-4.00	117	+	0.00	8395283.670	334148.889	546.029	549.300	3.27	3.500	549.160	-4.00	5.50	548.780	-4.00
-5.500	548.905	-4.00	-3.50	549.285	-4.00	118	+	0.00	8395280.128	334129.205	546.039	549.425	3.39	3.500	549.285	-4.00	5.50	548.905	-4.00
-5.500	549.030	-4.00	-3.50	549.410	-4.00	119	+	0.00	8395276.587	334109.521	546.083	549.550	3.47	3.500	549.410	-4.00	5.50	549.030	-4.00
-5.500	549.155	-4.00	-3.50	549.535	-4.00	120	+	0.00	8395273.045	334089.837	546.197	549.675	3.48	3.500	549.535	-4.00	5.50	549.155	-4.00
-5.500	549.280	-4.00	-3.50	549.660	-4.00	121	+	0.00	8395269.503	334070.153	546.320	549.800	3.48	3.500	549.660	-4.00	5.50	549.280	-4.00
-5.500	549.405	-4.00	-3.50	549.785	-4.00	122	+	0.00	8395265.961	334050.469	546.414	549.925	3.51	3.500	549.785	-4.00	5.50	549.405	-4.00
-5.500	549.530	-4.00	-3.50	549.910	-4.00	123	+	0.00	8395262.420	334030.785	546.569	550.050	3.48	3.500	549.910	-4.00	5.50	549.530	-4.00
-5.500	549.655	-4.00	-3.50	550.035	-4.00	124	+	0.00	8395258.878	334011.101	546.726	550.175	3.45	3.500	550.035	-4.00	5.50	549.655	-4.00
-5.500	549.780	-4.00	-3.50	550.160	-4.00	125	+	0.00	8395255.336	333991.418	546.898	550.300	3.40	3.500	550.160	-4.00	5.50	549.780	-4.00
-5.500	549.905	-4.00	-3.50	550.285	-4.00	126	+	0.00	8395251.795	333971.734	547.035	550.425	3.39	3.500	550.285	-4.00	5.50	549.905	-4.00
-5.500	549.914	-4.00	-3.50	550.294	-4.00	126	+	1.42	8395251.543	333970.335	547.036	550.434	3.40	3.500	550.294	-4.00	5.50	549.914	-4.00
-5.500	550.030	-4.00	-3.50	550.410	-4.00	127	+	0.00	8395248.201	333952.059	547.211	550.550	3.34	3.500	550.410	-4.00	5.50	550.030	-4.00
-5.500	550.155	-4.00	-3.50	550.535	-4.00	128	+	0.00	8395244.486	333932.407	547.368	550.675	3.31	3.500	550.535	-4.00	5.50	550.155	-4.00
-5.500	550.175	-4.00	-3.50	550.555	-4.00	128	+	3.26	8395243.866	333929.172	547.408	550.695	3.29	3.500	550.555	-4.00	5.50	550.175	-4.00
-5.500	550.280	-4.00	-3.50	550.660	-4.00	129	+	0.00	8395240.650	333912.778	547.545	550.800	3.26	3.500	550.660	-4.00	5.50	550.280	-4.00
-5.500	550.405	-4.00	-3.50	550.785	-4.00	130	+	0.00	8395236.694	333893.174	547.712	550.925	3.21	3.500	550.785	-4.00	5.50	550.405	-4.00
-5.500	550.437	-4.00	-3.50	550.817	-4.00	130	+	5.09	8395235.668	333888.190	547.766	550.957	3.19	3.500	550.817	-4.00	5.50	550.437	-4.00
-5.500	550.530	-4.00	-3.50	550.910	-4.00	131	+	0.00	8395232.651	333873.587	547.876	551.050	3.17	3.500	550.910	-4.00	5.50	550.530	-4.00
-5.500	550.655	-4.00	-3.50	551.035	-4.00	132	+	0.00	8395228.604	333854.0	547.958	551.175	3.22	3.500	551.035	-4.00	5.50	550.655	-4.00
-5.500	550.780	-4.00	-3.50	551.160	-4.00	133	+	0.00	8395224.556	333834.414	548.092	551.300	3.21	3.500	551.160	-4.00	5.50	550.780	-4.00
-5.500	550.905	-4.00	-3.50	551.285	-4.00	134	+	0.00	8395220.509	333814.828	548.112	551.425	3.31	3.500	551.285	-4.00	5.50	550.905	-4.00
-5.500	551.030	-4.00	-3.50	551.410	-4.00	135	+	0.00	8395216.462	333795.242	548.140	551.550	3.41	3.500	551.410	-4.00	5.50	551.030	-4.00
-5.500	551.155	-4.00	-3.50	551.535	-4.00	136	+	0.00	8395212.415	333775.656	548.049	551.675	3.63	3.500	551.535	-4.00	5.50	551.155	-4.00
-5.500	551.280	-4.00	-3.50	551.660	-4.00	137	+	0.00	8395208.367	333756.069	548.211	551.800	3.59	3.500	551.660	-4.00	5.50	551.280	-4.00
-5.500	551.397	-4.00	-3.50	551.777	-4.00	138	+	0.00	8395204.320	333736.483	548.157	551.917	3.76	3.500	551.777	-4.00	5.50	551.397	-4.00
-5.500	551.461	-4.00	-3.50	551.841	-4.00	139	+	0.00	8395200.273	333716.897	548.292	551.981	3.69	3.500	551.841	-4.00	5.50	551.461	-4.00
-5.500	551.464	-4.00	-3.50	551.844	-4.00	140	+	0.00	8395196.226	333697.311	548.276	551.984	3.71	3.500	551.844	-4.00	5.50	551.464	-4.00
-5.500	551.406	-4.00	-3.50	551.786	-4.00	141	+	0.00	8395192.178	333677.725	548.144	551.926	3.78	3.500	551.786	-4.00	5.50	551.406	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	551.287	-4.00	-3.50	551.667	-4.00	142	+	0.00	8395188.131	333658.138	548.107	551.807	3.70	3.500	551.667	-4.00	5.50	551.287	-4.00
-5.500	551.115	-4.00	-3.50	551.495	-4.00	143	+	0.00	8395184.084	333638.552	548.120	551.635	3.51	3.500	551.495	-4.00	5.50	551.115	-4.00
-5.500	550.935	-4.00	-3.50	551.315	-4.00	144	+	0.00	8395180.037	333618.966	548.054	551.455	3.40	3.500	551.315	-4.00	5.50	550.935	-4.00
-5.500	550.755	-4.00	-3.50	551.135	-4.00	145	+	0.00	8395175.990	333599.380	548.006	551.275	3.27	3.500	551.135	-4.00	5.50	550.755	-4.00
-5.500	550.575	-4.00	-3.50	550.955	-4.00	146	+	0.00	8395171.942	333579.793	547.998	551.095	3.10	3.500	550.955	-4.00	5.50	550.575	-4.00
-5.500	550.395	-4.00	-3.50	550.775	-4.00	147	+	0.00	8395167.895	333560.207	547.963	550.915	2.95	3.500	550.775	-4.00	5.50	550.395	-4.00
-5.500	550.215	-4.00	-3.50	550.595	-4.00	148	+	0.00	8395163.848	333540.621	547.986	550.735	2.75	3.500	550.595	-4.00	5.50	550.215	-4.00
-5.500	550.035	-4.00	-3.50	550.415	-4.00	149	+	0.00	8395159.801	333521.035	548.000	550.555	2.55	3.500	550.415	-4.00	5.50	550.035	-4.00
-5.500	549.855	-4.00	-3.50	550.235	-4.00	150	+	0.00	8395155.753	333501.449	547.939	550.375	2.44	3.500	550.235	-4.00	5.50	549.855	-4.00
-5.500	549.675	-4.00	-3.50	550.055	-4.00	151	+	0.00	8395151.706	333481.862	547.663	550.195	2.53	3.500	550.055	-4.00	5.50	549.675	-4.00
-5.500	549.495	-4.00	-3.50	549.875	-4.00	152	+	0.00	8395147.659	333462.276	547.535	550.015	2.48	3.500	549.875	-4.00	5.50	549.495	-4.00
-5.500	549.315	-4.00	-3.50	549.695	-4.00	153	+	0.00	8395143.612	333442.690	547.297	549.835	2.54	3.500	549.695	-4.00	5.50	549.315	-4.00
-5.500	549.135	-4.00	-3.50	549.515	-4.00	154	+	0.00	8395139.564	333423.104	547.210	549.655	2.44	3.500	549.515	-4.00	5.50	549.135	-4.00
-5.500	548.955	-4.00	-3.50	549.335	-4.00	155	+	0.00	8395135.517	333403.517	547.015	549.475	2.46	3.500	549.335	-4.00	5.50	548.955	-4.00
-5.500	548.775	-4.00	-3.50	549.155	-4.00	156	+	0.00	8395131.470	333383.931	546.794	549.295	2.50	3.500	549.155	-4.00	5.50	548.775	-4.00
-5.500	548.595	-4.00	-3.50	548.975	-4.00	157	+	0.00	8395127.423	333364.345	546.715	549.115	2.40	3.500	548.975	-4.00	5.50	548.595	-4.00
-5.500	548.415	-4.00	-3.50	548.795	-4.00	158	+	0.00	8395123.375	333344.759	546.396	548.935	2.54	3.500	548.795	-4.00	5.50	548.415	-4.00
-5.500	548.235	-4.00	-3.50	548.615	-4.00	159	+	0.00	8395119.328	333325.173	546.264	548.755	2.49	3.500	548.615	-4.00	5.50	548.235	-4.00
-5.500	548.055	-4.00	-3.50	548.435	-4.00	160	+	0.00	8395115.281	333305.586	546.001	548.575	2.57	3.500	548.435	-4.00	5.50	548.055	-4.00
-5.500	547.875	-4.00	-3.50	548.255	-4.00	161	+	0.00	8395111.234	333286.0	545.870	548.395	2.52	3.500	548.255	-4.00	5.50	547.875	-4.00
-5.500	547.695	-4.00	-3.50	548.075	-4.00	162	+	0.00	8395107.187	333266.414	545.681	548.215	2.53	3.500	548.075	-4.00	5.50	547.695	-4.00
-5.500	547.522	-4.00	-3.50	547.902	-4.00	163	+	0.00	8395103.139	333246.828	545.645	548.042	2.40	3.500	547.902	-4.00	5.50	547.522	-4.00
-5.500	547.401	-4.00	-3.50	547.781	-4.00	164	+	0.00	8395099.092	333227.242	545.636	547.921	2.29	3.500	547.781	-4.00	5.50	547.401	-4.00
-5.500	547.339	-4.00	-3.50	547.719	-4.00	165	+	0.00	8395095.045	333207.655	545.476	547.859	2.38	3.500	547.719	-4.00	5.50	547.339	-4.00
-5.500	547.335	-4.00	-3.50	547.715	-4.00	166	+	0.00	8395090.998	333188.069	545.514	547.855	2.34	3.500	547.715	-4.00	5.50	547.335	-4.00
-5.500	547.391	-4.00	-3.50	547.771	-4.00	167	+	0.00	8395086.950	333168.483	545.732	547.911	2.18	3.500	547.771	-4.00	5.50	547.391	-4.00
-5.500	547.498	-4.00	-3.50	547.878	-4.00	168	+	0.00	8395082.903	333148.897	545.865	548.018	2.15	3.500	547.878	-4.00	5.50	547.498	-4.00
-5.500	547.612	-4.00	-3.50	547.992	-4.00	169	+	0.00	8395078.856	333129.310	546.074	548.132	2.06	3.500	547.992	-4.00	5.50	547.612	-4.00
-5.500	547.726	-4.00	-3.50	548.106	-4.00	170	+	0.00	8395074.809	333109.724	546.251	548.246	2.00	3.500	548.106	-4.00	5.50	547.726	-4.00
-5.500	547.841	-4.00	-3.50	548.221	-4.00	171	+	0.00	8395070.761	333090.138	546.577	548.361	1.78	3.500	548.221	-4.00	5.50	547.841	-4.00
-5.500	547.955	-4.00	-3.50	548.335	-4.00	172	+	0.00	8395066.714	333070.552	546.868	548.475	1.61	3.500	548.335	-4.00	5.50	547.955	-4.00
-5.500	548.069	-4.00	-3.50	548.449	-4.00	173	+	0.00	8395062.667	333050.966	547.206	548.589	1.38	3.500	548.449	-4.00	5.50	548.069	-4.00
-5.500	548.184	-4.00	-3.50	548.564	-4.00	174	+	0.00	8395058.620	333031.379	547.375	548.704	1.33	3.500	548.564	-4.00	5.50	548.184	-4.00
-5.500	548.298	-4.00	-3.50	548.678	-4.00	175	+	0.00	8395054.573	333011.793	547.545	548.818	1.27	3.500	548.678	-4.00	5.50	548.298	-4.00
-5.500	548.412	-4.00	-3.50	548.792	-4.00	176	+	0.00	8395050.525	332992.207	547.817	548.932	1.12	3.500	548.792	-4.00	5.50	548.412	-4.00
-5.500	548.526	-4.00	-3.50	548.906	-4.00	177	+	0.00	8395046.478	332972.621	548.065	549.046	0.98	3.500	548.906	-4.00	5.50	548.526	-4.00
-5.500	548.641	-4.00	-3.50	549.021	-4.00	178	+	0.00	8395042.431	332953.034	548.272	549.161	0.89	3.500	549.021	-4.00	5.50	548.641	-4.00
-5.500	548.755	-4.00	-3.50	549.135	-4.00	179	+	0.00	8395038.384	332933.448	548.499	549.275	0.78	3.500	549.135	-4.00	5.50	548.755	-4.00
-5.500	548.819	-4.00	-3.50	549.199	-4.00	179	+	11.19	8395036.119	332922.487	548.557	549.339	0.78	3.500	549.199	-4.00	5.50	548.819	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	548.869	-4.00	-3.50	549.249	-4.00	180	+	0.00	8395034.348	332913.860	548.601	549.389	0.79	3.500	549.249	-4.00	5.50	548.869	-4.00
-5.500	548.984	-4.00	-3.50	549.364	-4.00	181	+	0.00	8395030.414	332894.250	548.726	549.504	0.78	3.500	549.364	-4.00	5.50	548.984	-4.00
-5.500	549.064	-4.00	-3.50	549.444	-4.00	181	+	14.08	8395027.990	332880.389	548.819	549.584	0.76	3.500	549.444	-4.00	5.50	549.064	-4.00
-5.500	549.098	-4.00	-3.50	549.478	-4.00	182	+	0.00	8395026.601	332874.617	548.852	549.618	0.77	3.500	549.478	-4.00	5.50	549.098	-4.00
-5.500	549.212	-4.00	-3.50	549.592	-4.00	183	+	0.00	8395022.909	332854.961	548.982	549.732	0.75	3.500	549.592	-4.00	5.50	549.212	-4.00
-5.500	549.309	-4.00	-3.50	549.689	-4.00	183	+	16.96	8395019.872	332838.272	549.056	549.829	0.77	3.500	549.689	-4.00	5.50	549.309	-4.00
-5.500	549.326	-4.00	-3.50	549.706	-4.00	184	+	0.00	8395019.336	332835.283	549.071	549.846	0.77	3.500	549.706	-4.00	5.50	549.326	-4.00
-5.500	549.441	-4.00	-3.50	549.821	-4.00	185	+	0.00	8395015.807	332815.597	549.202	549.961	0.76	3.500	549.821	-4.00	5.50	549.441	-4.00
-5.500	549.555	-4.00	-3.50	549.935	-4.00	186	+	0.00	8395012.278	332795.910	549.443	550.075	0.63	3.500	549.935	-4.00	5.50	549.555	-4.00
-5.500	549.669	-4.00	-3.50	550.049	-4.00	187	+	0.00	8395008.750	332776.224	549.710	550.189	0.48	3.500	550.049	-4.00	5.50	549.669	-4.00
-5.500	549.784	-4.00	-3.50	550.164	-4.00	188	+	0.00	8395005.221	332756.538	550.100	550.304	0.20	3.500	550.164	-4.00	5.50	549.784	-4.00
-5.500	549.898	-4.00	-3.50	550.278	-4.00	189	+	0.00	8395001.692	332736.852	550.421	550.418	0.00	3.500	550.278	-4.00	5.50	549.898	-4.00
-5.500	550.012	-4.00	-3.50	550.392	-4.00	190	+	0.00	8394998.163	332717.166	550.233	550.532	0.30	3.500	550.392	-4.00	5.50	550.012	-4.00
-5.500	550.126	-4.00	-3.50	550.506	-4.00	191	+	0.00	8394994.634	332697.479	550.000	550.646	0.65	3.500	550.506	-4.00	5.50	550.126	-4.00
-5.500	550.241	-4.00	-3.50	550.621	-4.00	192	+	0.00	8394991.105	332677.793	549.818	550.761	0.94	3.500	550.621	-4.00	5.50	550.241	-4.00
-5.500	550.355	-4.00	-3.50	550.735	-4.00	193	+	0.00	8394987.576	332658.107	549.777	550.875	1.10	3.500	550.735	-4.00	5.50	550.355	-4.00
-5.500	550.469	-4.00	-3.50	550.849	-4.00	194	+	0.00	8394984.047	332638.421	549.833	550.989	1.16	3.500	550.849	-4.00	5.50	550.469	-4.00
-5.500	550.584	-4.00	-3.50	550.964	-4.00	195	+	0.00	8394980.518	332618.735	549.944	551.104	1.16	3.500	550.964	-4.00	5.50	550.584	-4.00
-5.500	550.698	-4.00	-3.50	551.078	-4.00	196	+	0.00	8394976.989	332599.048	549.956	551.218	1.26	3.500	551.078	-4.00	5.50	550.698	-4.00
-5.500	550.812	-4.00	-3.50	551.192	-4.00	197	+	0.00	8394973.460	332579.362	550.083	551.332	1.25	3.500	551.192	-4.00	5.50	550.812	-4.00
-5.500	550.918	-4.00	-3.50	551.298	-4.00	198	+	0.00	8394969.931	332559.676	550.042	551.438	1.40	3.500	551.298	-4.00	5.50	550.918	-4.00
-5.500	550.967	-4.00	-3.50	551.347	-4.00	199	+	0.00	8394966.402	332539.990	549.958	551.487	1.53	3.500	551.347	-4.00	5.50	550.967	-4.00
-5.500	550.949	-4.00	-3.50	551.329	-4.00	200	+	0.00	8394962.873	332520.304	549.901	551.469	1.57	3.500	551.329	-4.00	5.50	550.949	-4.00
-5.500	550.865	-4.00	-3.50	551.245	-4.00	201	+	0.00	8394959.344	332500.617	549.666	551.385	1.72	3.500	551.245	-4.00	5.50	550.865	-4.00
-5.500	550.716	-4.00	-3.50	551.096	-4.00	202	+	0.00	8394955.815	332480.931	549.478	551.236	1.76	3.500	551.096	-4.00	5.50	550.716	-4.00
-5.500	550.509	-4.00	-3.50	550.889	-4.00	203	+	0.00	8394952.286	332461.245	549.263	551.029	1.77	3.500	550.889	-4.00	5.50	550.509	-4.00
-5.500	550.293	-4.00	-3.50	550.673	-4.00	204	+	0.00	8394948.757	332441.559	549.071	550.813	1.74	3.500	550.673	-4.00	5.50	550.293	-4.00
-5.500	550.078	-4.00	-3.50	550.458	-4.00	205	+	0.00	8394945.228	332421.873	548.875	550.598	1.72	3.500	550.458	-4.00	5.50	550.078	-4.00
-5.500	549.863	-4.00	-3.50	550.243	-4.00	206	+	0.00	8394941.699	332402.186	548.651	550.383	1.73	3.500	550.243	-4.00	5.50	549.863	-4.00
-5.500	549.647	-4.00	-3.50	550.027	-4.00	207	+	0.00	8394938.170	332382.50	548.527	550.167	1.64	3.500	550.027	-4.00	5.50	549.647	-4.00
-5.500	549.432	-4.00	-3.50	549.812	-4.00	208	+	0.00	8394934.641	332362.814	548.275	549.952	1.68	3.500	549.812	-4.00	5.50	549.432	-4.00
-5.500	549.217	-4.00	-3.50	549.597	-4.00	209	+	0.00	8394931.112	332343.128	548.062	549.737	1.67	3.500	549.597	-4.00	5.50	549.217	-4.00
-5.500	549.001	-4.00	-3.50	549.381	-4.00	210	+	0.00	8394927.583	332323.442	547.876	549.521	1.64	3.500	549.381	-4.00	5.50	549.001	-4.00
-5.500	548.786	-4.00	-3.50	549.166	-4.00	211	+	0.00	8394924.054	332303.755	547.645	549.306	1.66	3.500	549.166	-4.00	5.50	548.786	-4.00
-5.500	548.570	-4.00	-3.50	548.950	-4.00	212	+	0.00	8394920.525	332284.069	547.472	549.090	1.62	3.500	548.950	-4.00	5.50	548.570	-4.00
-5.500	548.355	-4.00	-3.50	548.735	-4.00	213	+	0.00	8394916.996	332264.383	547.309	548.875	1.57	3.500	548.735	-4.00	5.50	548.355	-4.00
-5.500	548.140	-4.00	-3.50	548.520	-4.00	214	+	0.00	8394913.467	332244.697	547.049	548.660	1.61	3.500	548.520	-4.00	5.50	548.140	-4.00
-5.500	547.924	-4.00	-3.50	548.304	-4.00	215	+	0.00	8394909.938	332225.011	546.836	548.444	1.61	3.500	548.304	-4.00	5.50	547.924	-4.00
-5.500	547.709	-4.00	-3.50	548.089	-4.00	216	+	0.00	8394906.409	332205.324	546.595	548.229	1.63	3.500	548.089	-4.00	5.50	547.709	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	547.493	-4.00	-3.50	547.873	-4.00	217	+	0.00	8394902.880	332185.638	546.289	548.013	1.72	3.500	547.873	-4.00	5.50	547.493	-4.00
-5.500	547.278	-4.00	-3.50	547.658	-4.00	218	+	0.00	8394899.351	332165.952	546.074	547.798	1.72	3.500	547.658	-4.00	5.50	547.278	-4.00
-5.500	547.063	-4.00	-3.50	547.443	-4.00	219	+	0.00	8394895.822	332146.266	545.841	547.583	1.74	3.500	547.443	-4.00	5.50	547.063	-4.00
-5.500	546.847	-4.00	-3.50	547.227	-4.00	220	+	0.00	8394892.293	332126.580	545.538	547.367	1.83	3.500	547.227	-4.00	5.50	546.847	-4.00
-5.500	546.632	-4.00	-3.50	547.012	-4.00	221	+	0.00	8394888.764	332106.894	545.278	547.152	1.87	3.500	547.012	-4.00	5.50	546.632	-4.00
-5.500	546.417	-4.00	-3.50	546.797	-4.00	222	+	0.00	8394885.235	332087.207	545.024	546.937	1.91	3.500	546.797	-4.00	5.50	546.417	-4.00
-5.500	546.201	-4.00	-3.50	546.581	-4.00	223	+	0.00	8394881.706	332067.521	544.805	546.721	1.92	3.500	546.581	-4.00	5.50	546.201	-4.00
-5.500	545.986	-4.00	-3.50	546.366	-4.00	224	+	0.00	8394878.177	332047.835	544.603	546.506	1.90	3.500	546.366	-4.00	5.50	545.986	-4.00
-5.500	545.770	-4.00	-3.50	546.150	-4.00	225	+	0.00	8394874.648	332028.149	544.342	546.290	1.95	3.500	546.150	-4.00	5.50	545.770	-4.00
-5.500	545.555	-4.00	-3.50	545.935	-4.00	226	+	0.00	8394871.119	332008.463	544.084	546.075	1.99	3.500	545.935	-4.00	5.50	545.555	-4.00
-5.500	545.340	-4.00	-3.50	545.720	-4.00	227	+	0.00	8394867.590	331988.776	543.800	545.860	2.06	3.500	545.720	-4.00	5.50	545.340	-4.00
-5.500	545.124	-4.00	-3.50	545.504	-4.00	228	+	0.00	8394864.061	331969.090	543.621	545.644	2.02	3.500	545.504	-4.00	5.50	545.124	-4.00
-5.500	544.909	-4.00	-3.50	545.289	-4.00	229	+	0.00	8394860.532	331949.404	543.324	545.429	2.11	3.500	545.322	-3.06	5.50	544.961	-3.06
-5.500	544.693	-4.00	-3.50	545.073	-4.00	230	+	0.00	8394857.003	331929.718	543.085	545.213	2.13	3.500	545.186	-0.78	5.50	544.870	-0.78
-5.500	544.619	-4.00	-3.50	544.999	-4.00	230	+	6.89	8394855.788	331922.938	542.973	545.139	2.17	3.500	545.139	0.00	5.50	544.839	0.00
-5.500	544.478	-4.00	-3.50	544.858	-4.00	231	+	0.00	8394853.458	331910.034	542.789	544.998	2.21	3.500	545.050	1.49	5.50	544.780	1.49
-5.500	544.263	-4.00	-3.50	544.643	-4.00	232	+	0.00	8394849.689	331890.393	542.368	544.783	2.41	3.500	544.915	3.77	5.50	544.690	3.77
-5.500	543.935	-6.04	-3.50	544.356	-6.04	233	+	0.00	8394845.361	331870.868	542.148	544.567	2.42	3.500	544.778	6.04	5.50	544.599	6.04
-5.500	543.852	-6.60	-3.50	544.284	-6.60	233	+	4.89	8394844.180	331866.125	541.949	544.515	2.57	3.500	544.746	6.60	5.50	544.578	6.60
-5.500	543.689	-6.60	-3.50	544.121	-6.60	234	+	0.00	8394840.167	331851.557	541.864	544.352	2.49	3.500	544.583	6.60	5.50	544.415	6.60
-5.500	543.474	-6.60	-3.50	543.906	-6.60	235	+	0.00	8394834.016	331832.528	541.824	544.137	2.31	3.500	544.368	6.60	5.50	544.200	6.60
-5.500	543.258	-6.60	-3.50	543.690	-6.60	236	+	0.00	8394826.922	331813.831	541.537	543.921	2.38	3.500	544.152	6.60	5.50	543.984	6.60
-5.500	543.095	-6.60	-3.50	543.527	-6.60	236	+	15.19	8394820.918	331799.848	541.021	543.758	2.74	3.500	543.989	6.60	5.50	543.821	6.60
-5.500	543.043	-6.60	-3.50	543.475	-6.60	237	+	0.00	8394818.902	331795.512	541.000	543.706	2.71	3.500	543.937	6.60	5.50	543.769	6.60
-5.500	542.827	-6.60	-3.50	543.259	-6.60	238	+	0.00	8394809.976	331777.616	540.469	543.490	3.02	3.500	543.721	6.60	5.50	543.553	6.60
-5.500	542.612	-6.60	-3.50	543.044	-6.60	239	+	0.00	8394800.167	331760.189	540.078	543.275	3.20	3.500	543.506	6.60	5.50	543.338	6.60
-5.500	542.397	-6.60	-3.50	542.829	-6.60	240	+	0.00	8394789.499	331743.274	539.938	543.060	3.12	3.500	543.291	6.60	5.50	543.123	6.60
-5.500	542.337	-6.60	-3.50	542.769	-6.60	240	+	5.49	8394786.423	331738.725	539.884	543.000	3.12	3.500	543.231	6.60	5.50	543.063	6.60
-5.500	542.272	-4.95	-3.50	542.671	-4.95	241	+	0.00	8394778.018	331726.90	539.777	542.844	3.07	3.500	543.017	4.95	5.50	542.816	4.95
-5.500	542.109	-4.00	-3.50	542.489	-4.00	242	+	0.00	8394765.930	331710.967	539.497	542.629	3.13	3.500	542.722	2.67	5.50	542.476	2.67
-5.500	541.893	-4.00	-3.50	542.273	-4.00	243	+	0.00	8394753.522	331695.281	539.266	542.413	3.15	3.500	542.427	0.40	5.50	542.135	0.40
-5.500	541.856	-4.00	-3.50	542.236	-4.00	243	+	3.49	8394751.344	331692.553	539.231	542.376	3.14	3.500	542.376	0.00	5.50	542.076	0.00
-5.500	541.678	-4.00	-3.50	542.058	-4.00	244	+	0.00	8394741.042	331679.653	539.071	542.198	3.13	3.500	542.132	-1.88	5.50	541.795	-1.88
-5.500	541.463	-4.00	-3.50	541.843	-4.00	245	+	0.00	8394728.561	331664.025	538.844	541.983	3.14	3.500	541.843	-4.00	5.50	541.463	-4.00
-5.500	541.247	-4.00	-3.50	541.627	-4.00	246	+	0.00	8394716.081	331648.397	538.642	541.767	3.13	3.500	541.627	-4.00	5.50	541.247	-4.00
-5.500	541.032	-4.00	-3.50	541.412	-4.00	247	+	0.00	8394703.60	331632.769	538.413	541.552	3.14	3.500	541.412	-4.00	5.50	541.032	-4.00
-5.500	540.817	-4.00	-3.50	541.197	-4.00	248	+	0.00	8394691.120	331617.141	538.208	541.337	3.13	3.500	541.197	-4.00	5.50	540.817	-4.00
-5.500	540.601	-4.00	-3.50	540.981	-4.00	249	+	0.00	8394678.639	331601.513	538.070	541.121	3.05	3.500	540.981	-4.00	5.50	540.601	-4.00
-5.500	540.386	-4.00	-3.50	540.766	-4.00	250	+	0.00	8394666.159	331585.885	537.873	540.906	3.03	3.500	540.766	-4.00	5.50	540.386	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	540.170	-4.00	-3.50	540.550	-4.00	251	+	0.00	8394653.678	331570.257	537.797	540.690	2.89	3.500	540.550	-4.00	5.50	540.170	-4.00
-5.500	539.955	-4.00	-3.50	540.335	-4.00	252	+	0.00	8394641.198	331554.629	537.631	540.475	2.84	3.500	540.335	-4.00	5.50	539.955	-4.00
-5.500	539.740	-4.00	-3.50	540.120	-4.00	253	+	0.00	8394628.717	331539.001	537.481	540.260	2.78	3.500	540.120	-4.00	5.50	539.740	-4.00
-5.500	539.524	-4.00	-3.50	539.904	-4.00	254	+	0.00	8394616.236	331523.373	537.280	540.044	2.76	3.500	539.904	-4.00	5.50	539.524	-4.00
-5.500	539.309	-4.00	-3.50	539.689	-4.00	255	+	0.00	8394603.756	331507.745	537.167	539.829	2.66	3.500	539.689	-4.00	5.50	539.309	-4.00
-5.500	539.093	-4.00	-3.50	539.473	-4.00	256	+	0.00	8394591.275	331492.117	537.051	539.613	2.56	3.500	539.473	-4.00	5.50	539.093	-4.00
-5.500	538.878	-4.00	-3.50	539.258	-4.00	257	+	0.00	8394578.795	331476.489	536.862	539.398	2.54	3.500	539.258	-4.00	5.50	538.878	-4.00
-5.500	538.663	-4.00	-3.50	539.043	-4.00	258	+	0.00	8394566.314	331460.861	536.709	539.183	2.47	3.500	539.043	-4.00	5.50	538.663	-4.00
-5.500	538.447	-4.00	-3.50	538.827	-4.00	259	+	0.00	8394553.834	331445.233	536.627	538.967	2.34	3.500	538.827	-4.00	5.50	538.447	-4.00
-5.500	538.232	-4.00	-3.50	538.612	-4.00	260	+	0.00	8394541.353	331429.605	536.491	538.752	2.26	3.500	538.612	-4.00	5.50	538.232	-4.00
-5.500	538.017	-4.00	-3.50	538.397	-4.00	261	+	0.00	8394528.872	331413.977	536.379	538.537	2.16	3.500	538.397	-4.00	5.50	538.017	-4.00
-5.500	537.801	-4.00	-3.50	538.181	-4.00	262	+	0.00	8394516.392	331398.349	536.298	538.321	2.02	3.500	538.181	-4.00	5.50	537.801	-4.00
-5.500	537.594	-4.00	-3.50	537.974	-4.00	263	+	0.00	8394503.911	331382.721	536.217	538.114	1.90	3.500	537.974	-4.00	5.50	537.594	-4.00
-5.500	537.442	-4.00	-3.50	537.822	-4.00	264	+	0.00	8394491.431	331367.093	536.215	537.962	1.75	3.500	537.822	-4.00	5.50	537.442	-4.00
-5.500	537.354	-4.00	-3.50	537.734	-4.00	265	+	0.00	8394478.950	331351.465	536.167	537.874	1.71	3.500	537.734	-4.00	5.50	537.354	-4.00
-5.500	537.329	-4.00	-3.50	537.709	-4.00	266	+	0.00	8394466.470	331335.837	536.125	537.849	1.72	3.500	537.709	-4.00	5.50	537.329	-4.00
-5.500	537.367	-4.00	-3.50	537.747	-4.00	267	+	0.00	8394453.989	331320.209	536.081	537.887	1.81	3.500	537.747	-4.00	5.50	537.367	-4.00
-5.500	537.462	-4.00	-3.50	537.842	-4.00	268	+	0.00	8394441.508	331304.580	535.967	537.982	2.01	3.500	537.842	-4.00	5.50	537.462	-4.00
-5.500	537.578	-3.75	-3.50	537.953	-3.75	269	+	0.00	8394429.028	331288.952	535.894	538.084	2.19	3.500	537.944	-4.00	5.50	537.564	-4.00
-5.500	537.758	-2.32	-3.50	538.105	-2.32	270	+	0.00	8394416.547	331273.324	535.838	538.186	2.35	3.500	538.046	-4.00	5.50	537.666	-4.00
-5.500	537.939	-0.89	-3.50	538.257	-0.89	271	+	0.00	8394404.067	331257.696	535.840	538.288	2.45	3.500	538.148	-4.00	5.50	537.768	-4.00
-5.500	538.052	0.00	-3.50	538.352	0.00	271	+	12.47	8394396.286	331247.953	535.809	538.352	2.54	3.500	538.212	-4.00	5.50	537.832	-4.00
-5.500	538.121	0.54	-3.50	538.410	0.54	272	+	0.00	8394391.587	331242.067	535.816	538.391	2.57	3.500	538.251	-4.00	5.50	537.871	-4.00
-5.500	538.301	1.97	-3.50	538.562	1.97	273	+	0.00	8394379.170	331226.389	535.932	538.493	2.56	3.500	538.353	-4.00	5.50	537.973	-4.00
-5.500	538.482	3.40	-3.50	538.714	3.40	274	+	0.00	8394366.960	331210.549	535.995	538.595	2.60	3.500	538.455	-4.00	5.50	538.075	-4.00
-5.500	538.662	4.82	-3.50	538.866	4.82	275	+	0.00	8394355.112	331194.437	536.189	538.697	2.51	3.500	538.528	-4.82	5.50	538.132	-4.82
-5.500	538.685	5.00	-3.50	538.885	5.00	275	+	2.47	8394353.682	331192.424	536.210	538.710	2.50	3.500	538.535	-5.00	5.50	538.135	-5.00
-5.500	538.774	5.00	-3.50	538.974	5.00	276	+	0.00	8394343.770	331177.965	536.289	538.799	2.51	3.500	538.624	-5.00	5.50	538.224	-5.00
-5.500	538.877	5.00	-3.50	539.077	5.00	277	+	0.00	8394332.983	331161.125	536.310	538.902	2.59	3.500	538.727	-5.00	5.50	538.327	-5.00
-5.500	538.979	5.00	-3.50	539.179	5.00	278	+	0.00	8394322.764	331143.934	536.295	539.004	2.71	3.500	538.829	-5.00	5.50	538.429	-5.00
-5.500	539.081	5.00	-3.50	539.281	5.00	279	+	0.00	8394313.123	331126.412	536.303	539.106	2.80	3.500	538.931	-5.00	5.50	538.531	-5.00
-5.500	539.183	5.00	-3.50	539.383	5.00	280	+	0.00	8394304.072	331108.578	536.319	539.208	2.89	3.500	539.033	-5.00	5.50	538.633	-5.00
-5.500	539.286	5.00	-3.50	539.486	5.00	281	+	0.00	8394295.620	331090.453	536.348	539.311	2.96	3.500	539.136	-5.00	5.50	538.736	-5.00
-5.500	539.388	5.00	-3.50	539.588	5.00	282	+	0.00	8394287.776	331072.056	536.342	539.413	3.07	3.500	539.238	-5.00	5.50	538.838	-5.00
-5.500	539.403	5.00	-3.50	539.603	5.00	282	+	2.90	8394286.701	331069.389	536.356	539.428	3.07	3.500	539.253	-5.00	5.50	538.853	-5.00
-5.500	539.490	5.00	-3.50	539.690	5.00	283	+	0.00	8394280.551	331053.408	536.341	539.515	3.17	3.500	539.340	-5.00	5.50	538.940	-5.00
-5.500	539.592	5.00	-3.50	539.792	5.00	284	+	0.00	8394273.950	331034.529	536.303	539.617	3.31	3.500	539.442	-5.00	5.50	539.042	-5.00
-5.500	539.694	5.00	-3.50	539.894	5.00	285	+	0.00	8394267.983	331015.441	536.268	539.719	3.45	3.500	539.544	-5.00	5.50	539.144	-5.00
-5.500	539.776	5.00	-3.50	539.976	5.00	286	+	0.00	8394262.655	330996.165	536.194	539.801	3.61	3.500	539.626	-5.00	5.50	539.226	-5.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	539.817	5.00	-3.50	540.017	5.00	287	+	0.00	8394257.972	330976.722	536.271	539.842	3.57	3.500	539.667	-5.00	5.50	539.267	-5.00
-5.500	539.817	5.00	-3.50	540.017	5.00	288	+	0.00	8394253.940	330957.133	536.135	539.842	3.71	3.500	539.667	-5.00	5.50	539.267	-5.00
-5.500	539.777	5.00	-3.50	539.977	5.00	289	+	0.00	8394250.563	330937.422	536.138	539.802	3.66	3.500	539.627	-5.00	5.50	539.227	-5.00
-5.500	539.766	5.00	-3.50	539.966	5.00	289	+	3.33	8394250.065	330934.130	536.103	539.791	3.69	3.500	539.616	-5.00	5.50	539.216	-5.00
-5.500	539.630	3.81	-3.50	539.853	3.81	290	+	0.00	8394247.827	330917.610	535.888	539.720	3.83	3.500	539.580	-4.00	5.50	539.200	-4.00
-5.500	539.450	2.38	-3.50	539.702	2.38	291	+	0.00	8394245.594	330897.736	535.774	539.619	3.85	3.500	539.479	-4.00	5.50	539.099	-4.00
-5.500	539.269	0.95	-3.50	539.550	0.95	292	+	0.00	8394243.677	330877.828	535.567	539.517	3.95	3.500	539.377	-4.00	5.50	538.997	-4.00
-5.500	539.149	0.00	-3.50	539.449	0.00	292	+	13.33	8394242.481	330864.552	535.539	539.449	3.91	3.500	539.309	-4.00	5.50	538.929	-4.00
-5.500	539.070	-0.81	-3.50	539.387	-0.81	293	+	0.00	8394241.888	330857.908	535.510	539.415	3.90	3.500	539.275	-4.00	5.50	538.895	-4.00
-5.500	538.835	-3.23	-3.50	539.200	-3.23	294	+	0.00	8394240.108	330837.988	535.548	539.313	3.76	3.500	539.173	-4.00	5.50	538.793	-4.00
-5.500	538.691	-4.00	-3.50	539.071	-4.00	295	+	0.00	8394238.328	330818.067	535.497	539.211	3.71	3.500	539.071	-4.00	5.50	538.691	-4.00
-5.500	538.590	-4.00	-3.50	538.970	-4.00	296	+	0.00	8394236.548	330798.146	535.533	539.110	3.58	3.500	538.970	-4.00	5.50	538.590	-4.00
-5.500	538.520	-3.41	-3.50	538.889	-3.41	297	+	0.00	8394234.768	330778.226	535.472	539.008	3.54	3.500	538.868	-4.00	5.50	538.488	-4.00
-5.500	538.451	-2.82	-3.50	538.807	-2.82	298	+	0.00	8394232.987	330758.305	535.506	538.906	3.40	3.500	538.766	-4.00	5.50	538.386	-4.00
-5.500	538.381	-2.23	-3.50	538.726	-2.23	299	+	0.00	8394231.207	330738.384	535.543	538.804	3.26	3.500	538.664	-4.00	5.50	538.284	-4.00
-5.500	538.312	-1.64	-3.50	538.645	-1.64	300	+	0.00	8394229.427	330718.464	535.545	538.702	3.16	3.500	538.562	-4.00	5.50	538.182	-4.00
-5.500	538.242	-1.05	-3.50	538.563	-1.05	301	+	0.00	8394227.647	330698.543	535.521	538.600	3.08	3.500	538.460	-4.00	5.50	538.080	-4.00
-5.500	538.174	-0.46	-3.50	538.483	-0.46	302	+	0.00	8394225.867	330678.623	535.464	538.499	3.03	3.500	538.359	-4.00	5.50	537.979	-4.00
-5.500	538.120	0.00	-3.50	538.420	0.00	302	+	15.48	8394224.489	330663.203	535.394	538.420	3.03	3.500	538.280	-4.00	5.50	537.900	-4.00
-5.500	538.106	0.16	-3.50	538.403	0.16	303	+	0.00	8394224.087	330658.702	535.367	538.397	3.03	3.500	538.257	-4.00	5.50	537.877	-4.00
-5.500	538.042	0.85	-3.50	538.325	0.85	304	+	0.00	8394222.328	330638.779	535.331	538.295	2.96	3.500	538.155	-4.00	5.50	537.775	-4.00
-5.500	537.978	1.55	-3.50	538.247	1.55	305	+	0.00	8394220.655	330618.850	535.401	538.193	2.79	3.500	538.053	-4.00	5.50	537.673	-4.00
-5.500	537.914	2.24	-3.50	538.169	2.24	306	+	0.00	8394219.135	330598.907	535.347	538.091	2.74	3.500	537.951	-4.00	5.50	537.571	-4.00
-5.500	537.852	2.94	-3.50	538.093	2.94	307	+	0.00	8394217.839	330578.950	535.372	537.990	2.62	3.500	537.850	-4.00	5.50	537.470	-4.00
-5.500	537.788	3.64	-3.50	538.015	3.64	308	+	0.00	8394216.837	330558.975	535.238	537.888	2.65	3.500	537.748	-4.00	5.50	537.368	-4.00
-5.500	537.754	4.00	-3.50	537.974	4.00	308	+	10.48	8394216.452	330548.501	535.163	537.834	2.67	3.500	537.694	-4.00	5.50	537.314	-4.00
-5.500	537.706	4.00	-3.50	537.926	4.00	309	+	0.00	8394216.197	330538.986	535.053	537.786	2.73	3.500	537.646	-4.00	5.50	537.266	-4.00
-5.500	537.606	4.00	-3.50	537.826	4.00	309	+	19.55	8394215.961	330519.460	534.838	537.686	2.85	3.500	537.546	-4.00	5.50	537.166	-4.00
-5.500	537.604	4.00	-3.50	537.824	4.00	310	+	0.00	8394215.955	330518.987	534.835	537.684	2.85	3.500	537.544	-4.00	5.50	537.164	-4.00
-5.500	537.502	4.00	-3.50	537.722	4.00	311	+	0.00	8394216.113	330498.988	534.841	537.582	2.74	3.500	537.442	-4.00	5.50	537.062	-4.00
-5.500	537.458	4.00	-3.50	537.678	4.00	311	+	8.61	8394216.304	330490.381	534.851	537.538	2.69	3.500	537.398	-4.00	5.50	537.018	-4.00
-5.500	537.378	3.60	-3.50	537.606	3.60	312	+	0.00	8394216.668	330478.996	534.884	537.480	2.60	3.500	537.340	-4.00	5.50	536.960	-4.00
-5.500	537.246	2.91	-3.50	537.488	2.91	313	+	0.00	8394217.583	330459.018	534.984	537.386	2.40	3.500	537.246	-4.00	5.50	536.866	-4.00
-5.500	537.170	2.21	-3.50	537.425	2.21	314	+	0.00	8394218.789	330439.054	535.064	537.348	2.28	3.500	537.208	-4.00	5.50	536.828	-4.00
-5.500	537.155	1.52	-3.50	537.424	1.52	315	+	0.00	8394220.215	330419.105	535.172	537.371	2.20	3.500	537.231	-4.00	5.50	536.851	-4.00
-5.500	537.203	0.82	-3.50	537.487	0.82	316	+	0.00	8394221.792	330399.167	535.322	537.458	2.14	3.500	537.318	-4.00	5.50	536.938	-4.00
-5.500	537.315	0.13	-3.50	537.613	0.13	317	+	0.00	8394223.452	330379.236	535.413	537.608	2.19	3.500	537.468	-4.00	5.50	537.088	-4.00
-5.500	537.342	0.00	-3.50	537.642	0.00	317	+	3.61	8394223.754	330375.640	535.443	537.642	2.20	3.500	537.502	-4.00	5.50	537.122	-4.00
-5.500	537.487	-0.48	-3.50	537.796	-0.48	318	+	0.00	8394225.130	330359.307	535.652	537.813	2.16	3.500	537.673	-4.00	5.50	537.293	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	537.666	-1.08	-3.50	537.987	-1.08	319	+	0.00	8394226.808	330339.377	535.928	538.025	2.10	3.500	537.885	-4.00	5.50	537.505	-4.00
-5.500	537.846	-1.67	-3.50	538.180	-1.67	320	+	0.00	8394228.486	330319.448	536.185	538.238	2.05	3.500	538.098	-4.00	5.50	537.718	-4.00
-5.500	538.026	-2.26	-3.50	538.371	-2.26	321	+	0.00	8394230.164	330299.518	536.574	538.450	1.88	3.500	538.310	-4.00	5.50	537.930	-4.00
-5.500	538.205	-2.85	-3.50	538.562	-2.85	322	+	0.00	8394231.842	330279.589	536.984	538.662	1.68	3.500	538.522	-4.00	5.50	538.142	-4.00
-5.500	538.386	-3.44	-3.50	538.755	-3.44	323	+	0.00	8394233.521	330259.659	537.340	538.875	1.53	3.500	538.735	-4.00	5.50	538.355	-4.00
-5.500	538.568	-4.00	-3.50	538.948	-4.00	324	+	0.00	8394235.199	330239.730	537.821	539.088	1.27	3.500	538.948	-4.00	5.50	538.568	-4.00
-5.500	538.780	-4.00	-3.50	539.160	-4.00	325	+	0.00	8394236.877	330219.801	538.193	539.300	1.11	3.500	539.160	-4.00	5.50	538.780	-4.00
-5.500	538.810	-4.00	-3.50	539.190	-4.00	325	+	2.78	8394237.110	330217.029	538.228	539.330	1.10	3.500	539.190	-4.00	5.50	538.810	-4.00
-5.500	538.992	-4.00	-3.50	539.372	-4.00	326	+	0.00	8394238.548	330199.870	538.400	539.512	1.11	3.500	539.391	-3.45	5.50	539.022	-3.45
-5.500	539.205	-4.00	-3.50	539.585	-4.00	327	+	0.00	8394240.159	330179.935	538.642	539.725	1.08	3.500	539.658	-1.92	5.50	539.319	-1.92
-5.500	539.417	-4.00	-3.50	539.797	-4.00	328	+	0.00	8394241.641	330159.990	538.871	539.937	1.07	3.500	539.923	-0.40	5.50	539.615	-0.40
-5.500	539.630	-4.00	-3.50	540.010	-4.00	329	+	0.00	8394242.924	330140.032	539.142	540.150	1.01	3.500	540.189	1.12	5.50	539.912	1.12
-5.500	539.843	-4.00	-3.50	540.223	-4.00	330	+	0.00	8394243.940	330120.058	539.406	540.363	0.96	3.500	540.456	2.65	5.50	540.209	2.65
-5.500	540.031	-4.00	-3.50	540.411	-4.00	330	+	17.78	8394244.561	330102.287	539.565	540.551	0.99	3.500	540.691	4.00	5.50	540.471	4.00
-5.500	540.055	-4.00	-3.50	540.435	-4.00	331	+	0.00	8394244.617	330100.070	539.640	540.575	0.94	3.500	540.715	4.00	5.50	540.495	4.00
-5.500	540.112	-4.00	-3.50	540.492	-4.00	331	+	5.38	8394244.718	330094.672	539.636	540.632	1.00	3.500	540.772	4.00	5.50	540.552	4.00
-5.500	540.193	-4.00	-3.50	540.573	-4.00	331	+	12.97	8394244.848	330087.10	539.710	540.713	1.00	3.500	540.853	4.00	5.50	540.633	4.00
-5.500	540.267	-4.00	-3.50	540.647	-4.00	332	+	0.00	8394244.903	330080.072	539.857	540.787	0.93	3.500	540.925	3.93	5.50	540.703	3.93
-5.500	540.480	-4.00	-3.50	540.860	-4.00	333	+	0.00	8394244.817	330060.072	540.140	541.000	0.86	3.500	541.112	3.20	5.50	540.876	3.20
-5.500	540.692	-4.00	-3.50	541.072	-4.00	334	+	0.00	8394244.425	330040.076	540.406	541.212	0.81	3.500	541.298	2.47	5.50	541.048	2.47
-5.500	540.905	-4.00	-3.50	541.285	-4.00	335	+	0.00	8394243.797	330020.086	540.655	541.425	0.77	3.500	541.486	1.75	5.50	541.221	1.75
-5.500	541.117	-4.00	-3.50	541.497	-4.00	336	+	0.00	8394243.002	330000.102	540.962	541.637	0.67	3.500	541.673	1.02	5.50	541.393	1.02
-5.500	541.330	-4.00	-3.50	541.710	-4.00	337	+	0.00	8394242.109	329980.122	541.169	541.850	0.68	3.500	541.860	0.29	5.50	541.566	0.29
-5.500	541.415	-4.00	-3.50	541.795	-4.00	337	+	7.97	8394241.742	329972.159	541.272	541.935	0.66	3.500	541.935	0.00	5.50	541.635	0.00
-5.500	541.542	-4.00	-3.50	541.922	-4.00	338	+	0.00	8394241.187	329960.143	541.470	542.062	0.59	3.500	542.049	-0.36	5.50	541.742	-0.36
-5.500	541.755	-4.00	-3.50	542.135	-4.00	339	+	0.00	8394240.263	329940.165	541.669	542.275	0.61	3.500	542.242	-0.95	5.50	541.923	-0.95
-5.500	541.968	-4.00	-3.50	542.348	-4.00	340	+	0.00	8394239.340	329920.186	541.812	542.488	0.68	3.500	542.434	-1.54	5.50	542.103	-1.54
-5.500	542.180	-4.00	-3.50	542.560	-4.00	341	+	0.00	8394238.417	329900.207	541.954	542.700	0.75	3.500	542.625	-2.13	5.50	542.283	-2.13
-5.500	542.392	-4.00	-3.50	542.772	-4.00	342	+	0.00	8394237.493	329880.229	542.047	542.912	0.87	3.500	542.817	-2.72	5.50	542.462	-2.72
-5.500	542.605	-4.00	-3.50	542.985	-4.00	343	+	0.00	8394236.570	329860.250	542.146	543.125	0.98	3.500	543.009	-3.31	5.50	542.643	-3.31
-5.500	542.817	-4.00	-3.50	543.197	-4.00	344	+	0.00	8394235.647	329840.271	542.145	543.337	1.19	3.500	543.201	-3.90	5.50	542.823	-3.90
-5.500	543.030	-4.00	-3.50	543.410	-4.00	345	+	0.00	8394234.723	329820.293	542.195	543.550	1.35	3.500	543.410	-4.00	5.50	543.030	-4.00
-5.500	543.242	-4.00	-3.50	543.622	-4.00	346	+	0.00	8394233.80	329800.314	542.323	543.762	1.44	3.500	543.622	-4.00	5.50	543.242	-4.00
-5.500	543.455	-4.00	-3.50	543.835	-4.00	347	+	0.00	8394232.877	329780.335	542.426	543.975	1.55	3.500	543.835	-4.00	5.50	543.455	-4.00
-5.500	543.667	-4.00	-3.50	544.047	-4.00	348	+	0.00	8394231.953	329760.357	542.427	544.187	1.76	3.500	544.047	-4.00	5.50	543.667	-4.00
-5.500	543.880	-4.00	-3.50	544.260	-4.00	349	+	0.00	8394231.030	329740.378	542.471	544.400	1.93	3.500	544.260	-4.00	5.50	543.880	-4.00
-5.500	544.093	-4.00	-3.50	544.473	-4.00	350	+	0.00	8394230.107	329720.399	542.654	544.613	1.96	3.500	544.473	-4.00	5.50	544.093	-4.00
-5.500	544.305	-4.00	-3.50	544.685	-4.00	351	+	0.00	8394229.183	329700.421	542.760	544.825	2.07	3.500	544.685	-4.00	5.50	544.305	-4.00
-5.500	544.517	-4.00	-3.50	544.897	-4.00	352	+	0.00	8394228.260	329680.442	542.785	545.037	2.25	3.500	544.897	-4.00	5.50	544.517	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	544.695	-4.00	-3.50	545.075	-4.00	353	+	0.00	8394227.337	329660.463	542.803	545.215	2.41	3.500	545.075	-4.00	5.50	544.695	-4.00
-5.500	544.801	-4.00	-3.50	545.181	-4.00	354	+	0.00	8394226.413	329640.485	542.821	545.321	2.50	3.500	545.181	-4.00	5.50	544.801	-4.00
-5.500	544.836	-4.00	-3.50	545.216	-4.00	355	+	0.00	8394225.490	329620.506	542.793	545.356	2.56	3.500	545.216	-4.00	5.50	544.836	-4.00
-5.500	544.801	-4.00	-3.50	545.181	-4.00	356	+	0.00	8394224.567	329600.527	542.813	545.321	2.51	3.500	545.181	-4.00	5.50	544.801	-4.00
-5.500	544.695	-4.00	-3.50	545.075	-4.00	357	+	0.00	8394223.643	329580.549	542.800	545.215	2.42	3.500	545.075	-4.00	5.50	544.695	-4.00
-5.500	544.517	-4.00	-3.50	544.897	-4.00	358	+	0.00	8394222.720	329560.570	542.834	545.037	2.20	3.500	544.897	-4.00	5.50	544.517	-4.00
-5.500	544.305	-4.00	-3.50	544.685	-4.00	359	+	0.00	8394221.797	329540.591	542.795	544.825	2.03	3.500	544.685	-4.00	5.50	544.305	-4.00
-5.500	544.093	-4.00	-3.50	544.473	-4.00	360	+	0.00	8394220.873	329520.613	542.700	544.613	1.91	3.500	544.473	-4.00	5.50	544.093	-4.00
-5.500	543.880	-4.00	-3.50	544.260	-4.00	361	+	0.00	8394219.950	329500.634	542.546	544.400	1.85	3.500	544.260	-4.00	5.50	543.880	-4.00
-5.500	543.668	-4.00	-3.50	544.048	-4.00	362	+	0.00	8394219.027	329480.655	542.443	544.188	1.75	3.500	544.048	-4.00	5.50	543.668	-4.00
-5.500	543.455	-4.00	-3.50	543.835	-4.00	363	+	0.00	8394218.103	329460.677	542.378	543.975	1.60	3.500	543.835	-4.00	5.50	543.455	-4.00
-5.500	543.242	-4.00	-3.50	543.622	-4.00	364	+	0.00	8394217.180	329440.698	542.246	543.762	1.52	3.500	543.622	-4.00	5.50	543.242	-4.00
-5.500	543.030	-4.00	-3.50	543.410	-4.00	365	+	0.00	8394216.257	329420.719	542.186	543.550	1.36	3.500	543.410	-4.00	5.50	543.030	-4.00
-5.500	542.818	-4.00	-3.50	543.198	-4.00	366	+	0.00	8394215.333	329400.740	542.057	543.338	1.28	3.500	543.198	-4.00	5.50	542.818	-4.00
-5.500	542.605	-4.00	-3.50	542.985	-4.00	367	+	0.00	8394214.410	329380.762	541.940	543.125	1.18	3.500	542.985	-4.00	5.50	542.605	-4.00
-5.500	542.392	-4.00	-3.50	542.772	-4.00	368	+	0.00	8394213.487	329360.783	541.806	542.912	1.11	3.500	542.772	-4.00	5.50	542.392	-4.00
-5.500	542.180	-4.00	-3.50	542.560	-4.00	369	+	0.00	8394212.563	329340.804	541.706	542.700	0.99	3.500	542.560	-4.00	5.50	542.180	-4.00
-5.500	541.968	-4.00	-3.50	542.348	-4.00	370	+	0.00	8394211.640	329320.826	541.570	542.488	0.92	3.500	542.348	-4.00	5.50	541.968	-4.00
-5.500	541.755	-4.00	-3.50	542.135	-4.00	371	+	0.00	8394210.717	329300.847	541.378	542.275	0.90	3.500	542.135	-4.00	5.50	541.755	-4.00
-5.500	541.543	-4.00	-3.50	541.923	-4.00	372	+	0.00	8394209.793	329280.868	541.172	542.063	0.89	3.500	541.923	-4.00	5.50	541.543	-4.00
-5.500	541.330	-4.00	-3.50	541.710	-4.00	373	+	0.00	8394208.870	329260.890	541.046	541.850	0.80	3.500	541.710	-4.00	5.50	541.330	-4.00
-5.500	541.117	-4.00	-3.50	541.497	-4.00	374	+	0.00	8394207.947	329240.911	540.858	541.637	0.78	3.500	541.497	-4.00	5.50	541.117	-4.00
-5.500	540.905	-4.00	-3.50	541.285	-4.00	375	+	0.00	8394207.024	329220.932	540.662	541.425	0.76	3.500	541.285	-4.00	5.50	540.905	-4.00
-5.500	540.693	-4.00	-3.50	541.073	-4.00	376	+	0.00	8394206.10	329200.954	540.447	541.213	0.77	3.500	541.073	-4.00	5.50	540.693	-4.00
-5.500	540.480	-4.00	-3.50	540.860	-4.00	377	+	0.00	8394205.177	329180.975	540.288	541.000	0.71	3.500	540.860	-4.00	5.50	540.480	-4.00
-5.500	540.267	-4.00	-3.50	540.647	-4.00	378	+	0.00	8394204.254	329160.996	540.027	540.787	0.76	3.500	540.647	-4.00	5.50	540.267	-4.00
-5.500	540.055	-4.00	-3.50	540.435	-4.00	379	+	0.00	8394203.330	329141.018	539.852	540.575	0.72	3.500	540.435	-4.00	5.50	540.055	-4.00
-5.500	539.843	-4.00	-3.50	540.223	-4.00	380	+	0.00	8394202.407	329121.039	539.661	540.363	0.70	3.500	540.223	-4.00	5.50	539.843	-4.00
-5.500	539.630	-4.00	-3.50	540.010	-4.00	381	+	0.00	8394201.484	329101.060	539.453	540.150	0.70	3.500	540.010	-4.00	5.50	539.630	-4.00
-5.500	539.418	-4.00	-3.50	539.798	-4.00	382	+	0.00	8394200.560	329081.082	539.183	539.938	0.75	3.500	539.798	-4.00	5.50	539.418	-4.00
-5.500	539.205	-4.00	-3.50	539.585	-4.00	383	+	0.00	8394199.637	329061.103	539.003	539.725	0.72	3.500	539.585	-4.00	5.50	539.205	-4.00
-5.500	538.992	-4.00	-3.50	539.372	-4.00	384	+	0.00	8394198.714	329041.124	538.812	539.512	0.70	3.500	539.372	-4.00	5.50	538.992	-4.00
-5.500	538.780	-4.00	-3.50	539.160	-4.00	385	+	0.00	8394197.790	329021.146	538.506	539.300	0.79	3.500	539.160	-4.00	5.50	538.780	-4.00
-5.500	538.568	-4.00	-3.50	538.948	-4.00	386	+	0.00	8394196.867	329001.167	538.309	539.088	0.78	3.500	538.948	-4.00	5.50	538.568	-4.00
-5.500	538.355	-4.00	-3.50	538.735	-4.00	387	+	0.00	8394195.944	328981.188	538.092	538.875	0.78	3.500	538.735	-4.00	5.50	538.355	-4.00
-5.500	538.157	-3.73	-3.50	538.531	-3.73	388	+	0.00	8394195.020	328961.210	537.764	538.662	0.90	3.500	538.522	-4.00	5.50	538.142	-4.00
-5.500	537.977	-3.14	-3.50	538.340	-3.14	389	+	0.00	8394194.097	328941.231	537.500	538.450	0.95	3.500	538.310	-4.00	5.50	537.930	-4.00
-5.500	537.798	-2.55	-3.50	538.149	-2.55	390	+	0.00	8394193.174	328921.252	537.430	538.238	0.81	3.500	538.098	-4.00	5.50	537.718	-4.00
-5.500	537.618	-1.95	-3.50	537.957	-1.95	391	+	0.00	8394192.250	328901.274	537.194	538.025	0.83	3.500	537.885	-4.00	5.50	537.505	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	537.438	-1.36	-3.50	537.765	-1.36	392	+	0.00	8394191.327	328881.295	536.925	537.813	0.89	3.500	537.673	-4.00	5.50	537.293	-4.00
-5.500	537.258	-0.77	-3.50	537.573	-0.77	393	+	0.00	8394190.404	328861.316	536.441	537.600	1.16	3.500	537.460	-4.00	5.50	537.080	-4.00
-5.500	537.077	-0.18	-3.50	537.381	-0.18	394	+	0.00	8394189.480	328841.338	536.055	537.387	1.33	3.500	537.247	-4.00	5.50	536.867	-4.00
-5.500	537.023	0.00	-3.50	537.323	0.00	394	+	6.08	8394189.199	328835.261	535.952	537.323	1.37	3.500	537.183	-4.00	5.50	536.803	-4.00
-5.500	536.901	0.48	-3.50	537.192	0.48	395	+	0.00	8394188.561	328821.359	535.744	537.175	1.43	3.500	537.035	-4.00	5.50	536.655	-4.00
-5.500	536.728	1.18	-3.50	537.004	1.18	396	+	0.00	8394187.690	328801.378	535.596	536.963	1.37	3.500	536.823	-4.00	5.50	536.443	-4.00
-5.500	536.553	1.88	-3.50	536.816	1.88	397	+	0.00	8394186.937	328781.392	535.293	536.750	1.46	3.500	536.610	-4.00	5.50	536.230	-4.00
-5.500	536.378	2.57	-3.50	536.627	2.57	398	+	0.00	8394186.372	328761.40	535.100	536.537	1.44	3.500	536.397	-4.00	5.50	536.017	-4.00
-5.500	536.205	3.27	-3.50	536.439	3.27	399	+	0.00	8394186.063	328741.403	534.928	536.325	1.40	3.500	536.185	-4.00	5.50	535.805	-4.00
-5.500	536.031	3.96	-3.50	536.252	3.96	400	+	0.00	8394186.082	328721.403	534.757	536.113	1.36	3.500	535.973	-4.00	5.50	535.593	-4.00
-5.500	536.021	4.00	-3.50	536.241	4.00	400	+	1.08	8394186.093	328720.320	534.742	536.101	1.36	3.500	535.961	-4.00	5.50	535.581	-4.00
-5.500	535.820	4.00	-3.50	536.040	4.00	401	+	0.00	8394186.486	328701.407	534.435	535.900	1.47	3.500	535.760	-4.00	5.50	535.380	-4.00
-5.500	535.670	4.00	-3.50	535.890	4.00	401	+	14.09	8394187.542	328687.357	534.303	535.750	1.45	3.500	535.610	-4.00	5.50	535.230	-4.00
-5.500	535.608	4.00	-3.50	535.828	4.00	402	+	0.00	8394187.291	328681.424	534.269	535.688	1.42	3.500	535.548	-4.00	5.50	535.168	-4.00
-5.500	535.395	4.00	-3.50	535.615	4.00	403	+	0.00	8394188.495	328661.460	534.098	535.475	1.38	3.500	535.335	-4.00	5.50	534.955	-4.00
-5.500	535.320	4.00	-3.50	535.540	4.00	403	+	7.10	8394189.018	328654.382	534.057	535.400	1.34	3.500	535.260	-4.00	5.50	534.880	-4.00
-5.500	535.157	3.55	-3.50	535.386	3.55	404	+	0.00	8394190.095	328641.525	534.003	535.262	1.26	3.500	535.122	-4.00	5.50	534.742	-4.00
-5.500	534.907	2.86	-3.50	535.150	2.86	405	+	0.00	8394192.048	328621.621	533.833	535.050	1.22	3.500	534.910	-4.00	5.50	534.530	-4.00
-5.500	534.657	2.16	-3.50	534.914	2.16	406	+	0.00	8394194.285	328601.746	533.793	534.838	1.04	3.500	534.698	-4.00	5.50	534.318	-4.00
-5.500	534.405	1.46	-3.50	534.676	1.46	407	+	0.00	8394196.736	328581.897	533.734	534.625	0.89	3.500	534.485	-4.00	5.50	534.105	-4.00
-5.500	534.155	0.77	-3.50	534.440	0.77	408	+	0.00	8394199.333	328562.066	533.687	534.413	0.73	3.500	534.273	-4.00	5.50	533.893	-4.00
-5.500	533.904	0.07	-3.50	534.202	0.07	409	+	0.00	8394202.006	328542.246	533.623	534.200	0.58	3.500	534.060	-4.00	5.50	533.680	-4.00
-5.500	533.878	0.00	-3.50	534.178	0.00	409	+	2.10	8394202.288	328540.167	533.606	534.178	0.57	3.500	534.038	-4.00	5.50	533.658	-4.00
-5.500	533.659	-0.53	-3.50	533.969	-0.53	410	+	0.00	8394204.694	328522.427	533.445	533.988	0.54	3.500	533.848	-4.00	5.50	533.468	-4.00
-5.500	533.413	-1.12	-3.50	533.736	-1.12	411	+	0.00	8394207.383	328502.609	533.356	533.775	0.42	3.500	533.635	-4.00	5.50	533.255	-4.00
-5.500	533.169	-1.71	-3.50	533.503	-1.71	412	+	0.00	8394210.071	328482.790	533.141	533.563	0.42	3.500	533.423	-4.00	5.50	533.043	-4.00
-5.500	532.924	-2.30	-3.50	533.270	-2.30	413	+	0.00	8394212.760	328462.972	532.955	533.350	0.39	3.500	533.210	-4.00	5.50	532.830	-4.00
-5.500	532.678	-2.89	-3.50	533.036	-2.89	414	+	0.00	8394215.448	328443.153	532.762	533.137	0.38	3.500	532.997	-4.00	5.50	532.617	-4.00
-5.500	532.433	-3.49	-3.50	532.803	-3.49	415	+	0.00	8394218.137	328423.335	532.470	532.925	0.45	3.500	532.785	-4.00	5.50	532.405	-4.00
-5.500	532.193	-4.00	-3.50	532.573	-4.00	416	+	0.00	8394220.825	328403.517	532.182	532.713	0.53	3.500	532.573	-4.00	5.50	532.193	-4.00
-5.500	531.980	-4.00	-3.50	532.360	-4.00	417	+	0.00	8394223.514	328383.698	532.040	532.500	0.46	3.500	532.360	-4.00	5.50	531.980	-4.00
-5.500	531.768	-4.00	-3.50	532.148	-4.00	418	+	0.00	8394226.202	328363.880	531.807	532.288	0.48	3.500	532.148	-4.00	5.50	531.768	-4.00
-5.500	531.555	-4.00	-3.50	531.935	-4.00	419	+	0.00	8394228.891	328344.061	531.551	532.075	0.52	3.500	531.935	-4.00	5.50	531.555	-4.00
-5.500	531.343	-4.00	-3.50	531.723	-4.00	420	+	0.00	8394231.579	328324.243	531.314	531.863	0.55	3.500	531.723	-4.00	5.50	531.343	-4.00
-5.500	531.130	-4.00	-3.50	531.510	-4.00	421	+	0.00	8394234.268	328304.424	531.066	531.650	0.58	3.500	531.510	-4.00	5.50	531.130	-4.00
-5.500	530.918	-4.00	-3.50	531.298	-4.00	422	+	0.00	8394236.956	328284.606	530.816	531.438	0.62	3.500	531.298	-4.00	5.50	530.918	-4.00
-5.500	530.705	-4.00	-3.50	531.085	-4.00	423	+	0.00	8394239.645	328264.787	530.559	531.225	0.67	3.500	531.085	-4.00	5.50	530.705	-4.00
-5.500	530.493	-4.00	-3.50	530.873	-4.00	424	+	0.00	8394242.333	328244.969	530.326	531.013	0.69	3.500	530.873	-4.00	5.50	530.493	-4.00
-5.500	530.280	-4.00	-3.50	530.660	-4.00	425	+	0.00	8394245.021	328225.150	530.012	530.800	0.79	3.500	530.660	-4.00	5.50	530.280	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	530.068	-4.00	-3.50	530.448	-4.00	426	+	0.00	8394247.710	328205.332	529.824	530.588	0.76	3.500	530.448	-4.00	5.50	530.068	-4.00
-5.500	529.855	-4.00	-3.50	530.235	-4.00	427	+	0.00	8394250.398	328185.513	529.563	530.375	0.81	3.500	530.235	-4.00	5.50	529.855	-4.00
-5.500	529.643	-4.00	-3.50	530.023	-4.00	428	+	0.00	8394253.087	328165.695	529.274	530.163	0.89	3.500	530.023	-4.00	5.50	529.643	-4.00
-5.500	529.430	-4.00	-3.50	529.810	-4.00	429	+	0.00	8394255.775	328145.876	529.045	529.950	0.91	3.500	529.810	-4.00	5.50	529.430	-4.00
-5.500	529.218	-4.00	-3.50	529.598	-4.00	430	+	0.00	8394258.464	328126.058	528.759	529.738	0.98	3.500	529.598	-4.00	5.50	529.218	-4.00
-5.500	529.005	-4.00	-3.50	529.385	-4.00	431	+	0.00	8394261.152	328106.239	528.548	529.525	0.98	3.500	529.385	-4.00	5.50	529.005	-4.00
-5.500	528.793	-4.00	-3.50	529.173	-4.00	432	+	0.00	8394263.841	328086.421	528.256	529.313	1.06	3.500	529.173	-4.00	5.50	528.793	-4.00
-5.500	528.572	-4.00	-3.50	528.952	-4.00	433	+	0.00	8394266.529	328066.602	528.017	529.092	1.07	3.500	528.952	-4.00	5.50	528.572	-4.00
-5.500	528.300	-4.00	-3.50	528.680	-4.00	434	+	0.00	8394269.218	328046.784	527.715	528.820	1.11	3.500	528.680	-4.00	5.50	528.300	-4.00
-5.500	527.966	-4.00	-3.50	528.346	-4.00	435	+	0.00	8394271.906	328026.965	527.386	528.486	1.10	3.500	528.346	-4.00	5.50	527.966	-4.00
-5.500	527.573	-4.00	-3.50	527.953	-4.00	436	+	0.00	8394274.595	328007.147	527.102	528.093	0.99	3.500	527.953	-4.00	5.50	527.573	-4.00
-5.500	527.119	-4.00	-3.50	527.499	-4.00	437	+	0.00	8394277.283	327987.328	526.773	527.639	0.87	3.500	527.546	-2.67	5.50	527.192	-2.67
-5.500	526.612	-4.00	-3.50	526.992	-4.00	438	+	0.00	8394279.972	327967.510	526.437	527.132	0.69	3.500	527.133	0.02	5.50	526.833	0.02
-5.500	526.256	-4.00	-3.50	526.636	-4.00	438	+	13.85	8394281.834	327953.783	526.168	526.776	0.61	3.500	526.842	1.88	5.50	526.579	1.88
-5.500	526.098	-4.00	-3.50	526.478	-4.00	439	+	0.00	8394282.631	327947.688	526.082	526.618	0.54	3.500	526.713	2.71	5.50	526.467	2.71
-5.500	525.546	-4.70	-3.50	525.940	-4.70	440	+	0.00	8394284.827	327927.809	525.887	526.104	0.22	3.500	526.269	4.70	5.50	526.063	4.70
-5.500	525.289	-4.70	-3.50	525.683	-4.70	440	+	9.96	8394285.670	327917.873	525.721	525.847	0.13	3.500	526.012	4.70	5.50	525.806	4.70
-5.500	525.031	-4.70	-3.50	525.425	-4.70	441	+	0.00	8394286.409	327907.873	525.462	525.589	0.13	3.500	525.754	4.70	5.50	525.548	4.70
-5.500	524.555	-4.00	-3.50	524.935	-4.00	442	+	0.00	8394287.378	327887.897	524.947	525.075	0.13	3.500	525.169	2.69	5.50	524.923	2.69
-5.500	524.399	-4.00	-3.50	524.779	-4.00	442	+	6.07	8394287.550	327881.833	524.741	524.919	0.18	3.500	524.985	1.88	5.50	524.722	1.88
-5.500	524.041	-4.00	-3.50	524.421	-4.00	443	+	0.00	8394287.881	327867.904	524.258	524.561	0.30	3.500	524.561	0.01	5.50	524.262	0.01
-5.500	523.526	-4.00	-3.50	523.906	-4.00	444	+	0.00	8394288.355	327847.909	523.492	524.046	0.55	3.500	523.952	-2.68	5.50	523.599	-2.68
-5.500	523.012	-4.00	-3.50	523.392	-4.00	445	+	0.00	8394288.830	327827.915	522.478	523.532	1.05	3.500	523.392	-4.00	5.50	523.012	-4.00
-5.500	522.498	-4.00	-3.50	522.878	-4.00	446	+	0.00	8394289.305	327807.920	521.379	523.018	1.64	3.500	522.878	-4.00	5.50	522.498	-4.00
-5.500	521.984	-4.00	-3.50	522.364	-4.00	447	+	0.00	8394289.779	327787.926	520.437	522.504	2.07	3.500	522.364	-4.00	5.50	521.984	-4.00
-5.500	521.469	-4.00	-3.50	521.849	-4.00	448	+	0.00	8394290.254	327767.932	519.537	521.989	2.45	3.500	521.849	-4.00	5.50	521.469	-4.00
-5.500	520.955	-4.00	-3.50	521.335	-4.00	449	+	0.00	8394290.729	327747.937	518.658	521.475	2.82	3.500	521.335	-4.00	5.50	520.955	-4.00
-5.500	520.441	-4.00	-3.50	520.821	-4.00	450	+	0.00	8394291.203	327727.943	517.831	520.961	3.13	3.500	520.821	-4.00	5.50	520.441	-4.00
-5.500	519.926	-4.00	-3.50	520.306	-4.00	451	+	0.00	8394291.678	327707.949	516.992	520.446	3.45	3.500	520.306	-4.00	5.50	519.926	-4.00
-5.500	519.412	-4.00	-3.50	519.792	-4.00	452	+	0.00	8394292.153	327687.954	516.361	519.932	3.57	3.500	519.792	-4.00	5.50	519.412	-4.00
-5.500	518.898	-4.00	-3.50	519.278	-4.00	453	+	0.00	8394292.627	327667.960	515.703	519.418	3.72	3.500	519.278	-4.00	5.50	518.898	-4.00
-5.500	518.384	-4.00	-3.50	518.764	-4.00	454	+	0.00	8394293.102	327647.965	515.165	518.904	3.74	3.500	518.797	-3.05	5.50	518.436	-3.05
-5.500	517.869	-4.00	-3.50	518.249	-4.00	455	+	0.00	8394293.577	327627.971	514.671	518.389	3.72	3.500	518.362	-0.78	5.50	518.046	-0.78
-5.500	517.694	-4.00	-3.50	518.074	-4.00	455	+	6.81	8394293.738	327621.161	514.499	518.214	3.72	3.500	518.214	0.00	5.50	517.914	0.00
-5.500	517.355	-4.00	-3.50	517.735	-4.00	456	+	0.00	8394294.035	327607.976	514.213	517.875	3.66	3.500	517.928	1.50	5.50	517.658	1.50
-5.500	516.841	-4.00	-3.50	517.221	-4.00	457	+	0.00	8394294.263	327587.978	513.840	517.361	3.52	3.500	517.493	3.78	5.50	517.269	3.78
-5.500	516.213	-6.05	-3.50	516.634	-6.05	458	+	0.00	8394293.920	327567.982	513.380	516.846	3.47	3.500	517.058	6.05	5.50	516.879	6.05
-5.500	516.060	-6.60	-3.50	516.492	-6.60	458	+	4.81	8394293.713	327563.174	513.223	516.723	3.50	3.500	516.954	6.60	5.50	516.786	6.60
-5.500	515.669	-6.60	-3.50	516.101	-6.60	459	+	0.00	8394292.685	327548.022	512.769	516.332	3.56	3.500	516.563	6.60	5.50	516.395	6.60

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	515.155	-6.60	-3.50	515.587	-6.60	460	+	0.00	8394290.455	327528.149	512.299	515.818	3.52	3.500	516.049	6.60	5.50	515.881	6.60
-5.500	514.641	-6.60	-3.50	515.073	-6.60	461	+	0.00	8394287.235	327508.412	511.998	515.304	3.31	3.500	515.535	6.60	5.50	515.367	6.60
-5.500	514.126	-6.60	-3.50	514.558	-6.60	462	+	0.00	8394283.032	327488.861	511.638	514.789	3.15	3.500	515.020	6.60	5.50	514.852	6.60
-5.500	513.612	-6.60	-3.50	514.044	-6.60	463	+	0.00	8394277.858	327469.544	511.415	514.275	2.86	3.500	514.506	6.60	5.50	514.338	6.60
-5.500	513.098	-6.60	-3.50	513.530	-6.60	464	+	0.00	8394271.724	327450.510	510.953	513.761	2.81	3.500	513.992	6.60	5.50	513.824	6.60
-5.500	512.583	-6.60	-3.50	513.015	-6.60	465	+	0.00	8394264.647	327431.806	510.632	513.246	2.61	3.500	513.477	6.60	5.50	513.309	6.60
-5.500	512.180	-6.60	-3.50	512.612	-6.60	465	+	15.67	8394258.396	327417.544	510.537	512.843	2.31	3.500	513.074	6.60	5.50	512.906	6.60
-5.500	512.069	-6.60	-3.50	512.501	-6.60	466	+	0.00	8394256.644	327413.480	510.463	512.732	2.27	3.500	512.963	6.60	5.50	512.795	6.60
-5.500	511.555	-6.60	-3.50	511.987	-6.60	467	+	0.00	8394247.735	327395.576	510.039	512.218	2.18	3.500	512.449	6.60	5.50	512.281	6.60
-5.500	511.047	-6.60	-3.50	511.479	-6.60	468	+	0.00	8394237.942	327378.140	509.736	511.710	1.97	3.500	511.941	6.60	5.50	511.773	6.60
-5.500	510.584	-6.60	-3.50	511.016	-6.60	469	+	0.00	8394227.290	327361.215	509.481	511.247	1.77	3.500	511.478	6.60	5.50	511.310	6.60
-5.500	510.173	-6.60	-3.50	510.605	-6.60	470	+	0.00	8394215.805	327344.843	509.115	510.836	1.72	3.500	511.067	6.60	5.50	510.899	6.60
-5.500	509.813	-6.60	-3.50	510.245	-6.60	471	+	0.00	8394203.517	327329.067	508.812	510.476	1.66	3.500	510.707	6.60	5.50	510.539	6.60
-5.500	509.504	-6.60	-3.50	509.936	-6.60	472	+	0.00	8394190.455	327313.924	508.509	510.167	1.66	3.500	510.398	6.60	5.50	510.230	6.60
-5.500	509.241	-6.60	-3.50	509.673	-6.60	473	+	0.00	8394176.653	327299.452	508.154	509.904	1.75	3.500	510.135	6.60	5.50	509.967	6.60
-5.500	509.157	-6.60	-3.50	509.589	-6.60	473	+	6.53	8394171.989	327294.876	508.050	509.820	1.77	3.500	510.051	6.60	5.50	509.883	6.60
-5.500	509.067	-5.07	-3.50	509.469	-5.07	474	+	0.00	8394162.157	327285.676	507.835	509.646	1.81	3.500	509.823	5.07	5.50	509.625	5.07
-5.500	508.869	-4.00	-3.50	509.249	-4.00	475	+	0.00	8394147.143	327272.464	507.440	509.389	1.95	3.500	509.487	2.79	5.50	509.242	2.79
-5.500	508.612	-4.00	-3.50	508.992	-4.00	476	+	0.00	8394131.853	327259.572	507.329	509.132	1.80	3.500	509.150	0.52	5.50	508.861	0.52
-5.500	508.554	-4.00	-3.50	508.934	-4.00	476	+	4.53	8394128.371	327256.667	507.277	509.074	1.80	3.500	509.074	0.00	5.50	508.774	0.00
-5.500	508.355	-4.00	-3.50	508.735	-4.00	477	+	0.00	8394116.495	327246.760	506.986	508.875	1.89	3.500	508.813	-1.76	5.50	508.478	-1.76
-5.500	508.098	-4.00	-3.50	508.478	-4.00	478	+	0.00	8394101.137	327233.949	506.724	508.618	1.89	3.500	508.478	-4.00	5.50	508.098	-4.00
-5.500	507.841	-4.00	-3.50	508.221	-4.00	479	+	0.00	8394085.779	327221.138	506.540	508.361	1.82	3.500	508.221	-4.00	5.50	507.841	-4.00
-5.500	507.584	-4.00	-3.50	507.964	-4.00	480	+	0.00	8394070.420	327208.327	506.266	508.104	1.84	3.500	507.964	-4.00	5.50	507.584	-4.00
-5.500	507.326	-4.00	-3.50	507.706	-4.00	481	+	0.00	8394055.062	327195.516	505.970	507.846	1.88	3.500	507.706	-4.00	5.50	507.326	-4.00
-5.500	507.069	-4.00	-3.50	507.449	-4.00	482	+	0.00	8394039.704	327182.705	505.737	507.589	1.85	3.500	507.449	-4.00	5.50	507.069	-4.00
-5.500	506.812	-4.00	-3.50	507.192	-4.00	483	+	0.00	8394024.346	327169.893	505.532	507.332	1.80	3.500	507.192	-4.00	5.50	506.812	-4.00
-5.500	506.555	-4.00	-3.50	506.935	-4.00	484	+	0.00	8394008.988	327157.082	505.202	507.075	1.87	3.500	506.935	-4.00	5.50	506.555	-4.00
-5.500	506.298	-4.00	-3.50	506.678	-4.00	485	+	0.00	8393993.630	327144.271	505.072	506.818	1.75	3.500	506.678	-4.00	5.50	506.298	-4.00
-5.500	506.041	-4.00	-3.50	506.421	-4.00	486	+	0.00	8393978.271	327131.460	504.819	506.561	1.74	3.500	506.421	-4.00	5.50	506.041	-4.00
-5.500	505.784	-4.00	-3.50	506.164	-4.00	487	+	0.00	8393962.913	327118.649	504.502	506.304	1.80	3.500	506.164	-4.00	5.50	505.784	-4.00
-5.500	505.526	-4.00	-3.50	505.906	-4.00	488	+	0.00	8393947.555	327105.838	504.256	506.046	1.79	3.500	505.906	-4.00	5.50	505.526	-4.00
-5.500	505.269	-4.00	-3.50	505.649	-4.00	489	+	0.00	8393932.197	327093.026	503.793	505.789	2.00	3.500	505.649	-4.00	5.50	505.269	-4.00
-5.500	505.012	-4.00	-3.50	505.392	-4.00	490	+	0.00	8393916.839	327080.215	503.589	505.532	1.94	3.500	505.392	-4.00	5.50	505.012	-4.00
-5.500	504.755	-4.00	-3.50	505.135	-4.00	491	+	0.00	8393901.480	327067.404	502.958	505.275	2.32	3.500	505.135	-4.00	5.50	504.755	-4.00
-5.500	504.498	-4.00	-3.50	504.878	-4.00	492	+	0.00	8393886.122	327054.593	502.593	505.018	2.42	3.500	504.878	-4.00	5.50	504.498	-4.00
-5.500	504.241	-4.00	-3.50	504.621	-4.00	493	+	0.00	8393870.764	327041.782	501.943	504.761	2.82	3.500	504.621	-4.00	5.50	504.241	-4.00
-5.500	503.984	-4.00	-3.50	504.364	-4.00	494	+	0.00	8393855.406	327028.970	501.466	504.504	3.04	3.500	504.364	-4.00	5.50	503.984	-4.00
-5.500	503.726	-4.00	-3.50	504.106	-4.00	495	+	0.00	8393840.048	327016.159	500.465	504.246	3.78	3.500	504.106	-4.00	5.50	503.726	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	503.469	-4.00	-3.50	503.849	-4.00	496	+	0.00	8393824.690	327003.348	499.996	503.989	3.99	3.500	503.849	-4.00	5.50	503.469	-4.00
-5.500	503.212	-4.00	-3.50	503.592	-4.00	497	+	0.00	8393809.331	326990.537	499.271	503.732	4.46	3.500	503.592	-4.00	5.50	503.212	-4.00
-5.500	502.955	-4.00	-3.50	503.335	-4.00	498	+	0.00	8393793.973	326977.726	498.724	503.475	4.75	3.500	503.335	-4.00	5.50	502.955	-4.00
-5.500	502.740	-3.23	-3.50	503.105	-3.23	499	+	0.00	8393778.615	326964.915	498.175	503.218	5.04	3.500	503.078	-4.00	5.50	502.698	-4.00
-5.500	502.609	-0.95	-3.50	502.928	-0.95	500	+	0.00	8393763.257	326952.103	497.843	502.961	5.12	3.500	502.821	-4.00	5.50	502.441	-4.00
-5.500	502.553	0.00	-3.50	502.853	0.00	500	+	8.37	8393756.827	326946.740	497.740	502.853	5.11	3.500	502.713	-4.00	5.50	502.333	-4.00
-5.500	502.477	1.32	-3.50	502.750	1.32	501	+	0.00	8393747.597	326939.670	497.580	502.704	5.12	3.500	502.564	-4.00	5.50	502.184	-4.00
-5.500	502.344	3.60	-3.50	502.572	3.60	502	+	0.00	8393731.840	326927.352	497.473	502.446	4.97	3.500	502.306	-4.00	5.50	501.926	-4.00
-5.500	502.222	5.87	-3.50	502.404	5.87	503	+	0.00	8393716.426	326914.610	497.515	502.199	4.68	3.500	501.994	-5.87	5.50	501.576	-5.87
-5.500	502.197	6.60	-3.50	502.365	6.60	503	+	6.37	8393711.624	326910.420	497.531	502.134	4.60	3.500	501.903	-6.60	5.50	501.471	-6.60
-5.500	502.086	6.60	-3.50	502.254	6.60	504	+	0.00	8393701.582	326901.210	497.626	502.023	4.40	3.500	501.792	-6.60	5.50	501.360	-6.60
-5.500	501.990	6.60	-3.50	502.158	6.60	505	+	0.00	8393687.426	326887.085	497.916	501.927	4.01	3.500	501.696	-6.60	5.50	501.264	-6.60
-5.500	501.974	6.60	-3.50	502.142	6.60	506	+	0.00	8393673.993	326872.270	498.639	501.911	3.27	3.500	501.680	-6.60	5.50	501.248	-6.60
-5.500	502.039	6.60	-3.50	502.207	6.60	507	+	0.00	8393661.317	326856.803	500.041	501.976	1.94	3.500	501.745	-6.60	5.50	501.313	-6.60
-5.500	502.174	6.60	-3.50	502.342	6.60	508	+	0.00	8393649.430	326840.721	500.472	502.111	1.64	3.500	501.880	-6.60	5.50	501.448	-6.60
-5.500	502.320	6.60	-3.50	502.488	6.60	509	+	0.00	8393638.362	326824.066	500.716	502.257	1.54	3.500	502.026	-6.60	5.50	501.594	-6.60
-5.500	502.399	6.60	-3.50	502.567	6.60	509	+	10.83	8393632.608	326814.842	501.003	502.336	1.33	3.500	502.105	-6.60	5.50	501.673	-6.60
-5.500	502.465	6.60	-3.50	502.633	6.60	510	+	0.00	8393628.140	326806.878	501.146	502.402	1.26	3.500	502.171	-6.60	5.50	501.739	-6.60
-5.500	502.611	6.60	-3.50	502.779	6.60	511	+	0.00	8393618.789	326789.20	501.082	502.548	1.47	3.500	502.317	-6.60	5.50	501.885	-6.60
-5.500	502.756	6.60	-3.50	502.924	6.60	512	+	0.00	8393610.334	326771.078	500.806	502.693	1.89	3.500	502.462	-6.60	5.50	502.030	-6.60
-5.500	502.902	6.60	-3.50	503.070	6.60	513	+	0.00	8393602.795	326752.555	500.856	502.839	1.98	3.500	502.608	-6.60	5.50	502.176	-6.60
-5.500	503.047	6.60	-3.50	503.215	6.60	514	+	0.00	8393596.192	326733.679	501.132	502.984	1.85	3.500	502.753	-6.60	5.50	502.321	-6.60
-5.500	503.193	6.60	-3.50	503.361	6.60	515	+	0.00	8393590.540	326714.496	501.120	503.130	2.01	3.500	502.899	-6.60	5.50	502.467	-6.60
-5.500	503.304	6.60	-3.50	503.472	6.60	515	+	15.29	8393586.871	326699.658	501.105	503.241	2.14	3.500	503.010	-6.60	5.50	502.578	-6.60
-5.500	503.308	6.06	-3.50	503.487	6.06	516	+	0.00	8393585.853	326695.056	501.030	503.275	2.25	3.500	503.063	-6.06	5.50	502.642	-6.06
-5.500	503.328	3.79	-3.50	503.553	3.79	517	+	0.00	8393582.039	326675.424	500.953	503.420	2.47	3.500	503.280	-4.00	5.50	502.900	-4.00
-5.500	503.349	1.51	-3.50	503.619	1.51	518	+	0.00	8393578.789	326655.690	501.220	503.566	2.35	3.500	503.426	-4.00	5.50	503.046	-4.00
-5.500	503.363	0.00	-3.50	503.663	0.00	518	+	13.29	8393576.776	326642.557	501.333	503.663	2.33	3.500	503.523	-4.00	5.50	503.143	-4.00
-5.500	503.369	-0.76	-3.50	503.684	-0.76	519	+	0.00	8393575.767	326635.920	501.431	503.711	2.28	3.500	503.571	-4.00	5.50	503.191	-4.00
-5.500	503.390	-3.04	-3.50	503.751	-3.04	520	+	0.00	8393572.762	326616.147	501.764	503.857	2.09	3.500	503.717	-4.00	5.50	503.337	-4.00
-5.500	503.482	-4.00	-3.50	503.862	-4.00	521	+	0.00	8393569.758	326596.374	502.128	504.002	1.87	3.500	503.863	-3.97	5.50	503.484	-3.97
-5.500	503.628	-4.00	-3.50	504.008	-4.00	522	+	0.00	8393566.753	326576.601	502.208	504.148	1.94	3.500	504.089	-1.70	5.50	503.755	-1.70
-5.500	503.736	-4.00	-3.50	504.116	-4.00	522	+	14.92	8393564.511	326561.849	502.396	504.256	1.86	3.500	504.256	0.00	5.50	503.956	0.00
-5.500	503.773	-4.00	-3.50	504.153	-4.00	523	+	0.00	8393563.747	326556.828	502.513	504.293	1.78	3.500	504.313	0.58	5.50	504.025	0.58
-5.500	503.919	-4.00	-3.50	504.299	-4.00	524	+	0.00	8393560.631	326537.072	502.763	504.439	1.68	3.500	504.539	2.85	5.50	504.296	2.85
-5.500	504.002	-5.13	-3.50	504.404	-5.13	525	+	0.00	8393557.089	326517.389	502.766	504.584	1.82	3.500	504.764	5.13	5.50	504.566	5.13
-5.500	504.015	-6.60	-3.50	504.447	-6.60	525	+	12.92	8393554.416	326504.748	502.853	504.678	1.82	3.500	504.909	6.60	5.50	504.741	6.60
-5.500	504.067	-6.60	-3.50	504.499	-6.60	526	+	0.00	8393552.787	326497.859	502.835	504.730	1.90	3.500	504.961	6.60	5.50	504.793	6.60
-5.500	504.212	-6.60	-3.50	504.644	-6.60	527	+	0.00	8393547.530	326478.564	503.165	504.875	1.71	3.500	505.106	6.60	5.50	504.938	6.60

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	504.312	-6.60	-3.50	504.744	-6.60	527	+	13.81	8393543.317	326465.314	503.387	504.975	1.59	3.500	505.206	6.60	5.50	505.038	6.60
-5.500	504.357	-6.60	-3.50	504.789	-6.60	528	+	0.00	8393541.315	326459.557	503.571	505.020	1.45	3.500	505.251	6.60	5.50	505.083	6.60
-5.500	504.503	-6.60	-3.50	504.935	-6.60	529	+	0.00	8393534.158	326440.884	503.725	505.166	1.44	3.500	505.397	6.60	5.50	505.229	6.60
-5.500	504.610	-6.60	-3.50	505.042	-6.60	529	+	14.70	8393528.306	326427.396	504.174	505.273	1.10	3.500	505.504	6.60	5.50	505.336	6.60
-5.500	504.681	-6.00	-3.50	505.101	-6.00	530	+	0.00	8393526.078	326422.591	504.277	505.311	1.03	3.500	505.521	6.00	5.50	505.341	6.00
-5.500	504.937	-4.00	-3.50	505.317	-4.00	531	+	0.00	8393517.195	326404.673	504.414	505.457	1.04	3.500	505.587	3.72	5.50	505.362	3.72
-5.500	505.082	-4.00	-3.50	505.462	-4.00	532	+	0.00	8393507.810	326387.012	504.683	505.602	0.92	3.500	505.653	1.45	5.50	505.382	1.45
-5.500	505.175	-4.00	-3.50	505.555	-4.00	532	+	12.70	8393501.729	326375.858	504.738	505.695	0.96	3.500	505.695	0.00	5.50	505.395	0.00
-5.500	505.228	-4.00	-3.50	505.608	-4.00	533	+	0.00	8393498.229	326369.456	504.901	505.748	0.85	3.500	505.719	-0.83	5.50	505.402	-0.83
-5.500	505.373	-4.00	-3.50	505.753	-4.00	534	+	0.00	8393488.636	326351.907	505.234	505.893	0.66	3.500	505.784	-3.11	5.50	505.422	-3.11
-5.500	505.519	-4.00	-3.50	505.899	-4.00	535	+	0.00	8393479.043	326334.358	505.390	506.039	0.65	3.500	505.899	-4.00	5.50	505.519	-4.00
-5.500	505.664	-4.00	-3.50	506.044	-4.00	536	+	0.00	8393469.449	326316.809	505.488	506.184	0.70	3.500	506.044	-4.00	5.50	505.664	-4.00
-5.500	505.810	-4.00	-3.50	506.190	-4.00	537	+	0.00	8393459.856	326299.260	505.539	506.330	0.79	3.500	506.190	-4.00	5.50	505.810	-4.00
-5.500	505.955	-4.00	-3.50	506.335	-4.00	538	+	0.00	8393450.263	326281.711	505.660	506.475	0.81	3.500	506.335	-4.00	5.50	505.955	-4.00
-5.500	506.100	-4.00	-3.50	506.480	-4.00	539	+	0.00	8393440.670	326264.162	505.838	506.620	0.78	3.500	506.480	-4.00	5.50	506.100	-4.00
-5.500	506.246	-4.00	-3.50	506.626	-4.00	540	+	0.00	8393431.076	326246.613	505.983	506.766	0.78	3.500	506.626	-4.00	5.50	506.246	-4.00
-5.500	506.391	-4.00	-3.50	506.771	-4.00	541	+	0.00	8393421.483	326229.064	506.312	506.911	0.60	3.500	506.771	-4.00	5.50	506.391	-4.00
-5.500	506.537	-4.00	-3.50	506.917	-4.00	542	+	0.00	8393411.890	326211.515	506.620	507.057	0.44	3.500	506.917	-4.00	5.50	506.537	-4.00
-5.500	506.682	-4.00	-3.50	507.062	-4.00	543	+	0.00	8393402.296	326193.966	506.915	507.202	0.29	3.500	507.062	-4.00	5.50	506.682	-4.00
-5.500	506.828	-4.00	-3.50	507.208	-4.00	544	+	0.00	8393392.703	326176.416	507.102	507.348	0.25	3.500	507.208	-4.00	5.50	506.828	-4.00
-5.500	506.973	-4.00	-3.50	507.353	-4.00	545	+	0.00	8393383.110	326158.867	507.070	507.493	0.42	3.500	507.353	-4.00	5.50	506.973	-4.00
-5.500	507.119	-4.00	-3.50	507.499	-4.00	546	+	0.00	8393373.517	326141.318	507.630	507.639	0.01	3.500	507.499	-4.00	5.50	507.119	-4.00
-5.500	507.264	-4.00	-3.50	507.644	-4.00	547	+	0.00	8393363.923	326123.769	508.034	507.784	-0.25	3.500	507.644	-4.00	5.50	507.264	-4.00
-5.500	507.410	-4.00	-3.50	507.790	-4.00	548	+	0.00	8393354.330	326106.220	508.214	507.930	-0.28	3.500	507.790	-4.00	5.50	507.410	-4.00
-5.500	507.555	-4.00	-3.50	507.935	-4.00	549	+	0.00	8393344.737	326088.671	508.525	508.075	-0.45	3.500	507.935	-4.00	5.50	507.555	-4.00
-5.500	507.700	-4.00	-3.50	508.080	-4.00	550	+	0.00	8393335.143	326071.122	508.663	508.220	-0.44	3.500	508.080	-4.00	5.50	507.700	-4.00
-5.500	507.846	-4.00	-3.50	508.226	-4.00	551	+	0.00	8393325.550	326053.573	508.729	508.366	-0.36	3.500	508.226	-4.00	5.50	507.846	-4.00
-5.500	507.991	-4.00	-3.50	508.371	-4.00	552	+	0.00	8393315.957	326036.024	508.725	508.511	-0.21	3.500	508.371	-4.00	5.50	507.991	-4.00
-5.500	508.137	-4.00	-3.50	508.517	-4.00	553	+	0.00	8393306.364	326018.475	508.562	508.657	0.09	3.500	508.517	-4.00	5.50	508.137	-4.00
-5.500	508.282	-4.00	-3.50	508.662	-4.00	554	+	0.00	8393296.770	326000.926	508.341	508.802	0.46	3.500	508.662	-4.00	5.50	508.282	-4.00
-5.500	508.575	-1.32	-3.50	508.902	-1.32	555	+	0.00	8393287.177	325983.377	508.051	508.948	0.90	3.500	508.808	-4.00	5.50	508.428	-4.00
-5.500	508.718	0.00	-3.50	509.018	0.00	555	+	9.61	8393282.567	325974.945	507.931	509.018	1.09	3.500	508.878	-4.00	5.50	508.498	-4.00
-5.500	508.872	1.43	-3.50	509.143	1.43	556	+	0.00	8393277.592	325965.823	507.770	509.093	1.32	3.500	508.953	-4.00	5.50	508.573	-4.00
-5.500	509.144	4.18	-3.50	509.360	4.18	557	+	0.00	8393268.205	325948.164	507.462	509.214	1.75	3.500	509.068	-4.18	5.50	508.684	-4.18
-5.500	509.314	6.60	-3.50	509.482	6.60	557	+	17.61	8393260.394	325932.382	507.147	509.251	2.10	3.500	509.020	-6.60	5.50	508.588	-6.60
-5.500	509.313	6.60	-3.50	509.481	6.60	558	+	0.00	8393259.382	325930.217	507.099	509.250	2.15	3.500	509.019	-6.60	5.50	508.587	-6.60
-5.500	509.262	6.60	-3.50	509.430	6.60	559	+	0.00	8393251.423	325911.871	506.665	509.199	2.53	3.500	508.968	-6.60	5.50	508.536	-6.60
-5.500	509.124	6.60	-3.50	509.292	6.60	560	+	0.00	8393244.392	325893.150	506.282	509.061	2.78	3.500	508.830	-6.60	5.50	508.398	-6.60
-5.500	509.090	6.60	-3.50	509.258	6.60	560	+	3.53	8393243.333	325889.779	506.262	509.027	2.76	3.500	508.796	-6.60	5.50	508.364	-6.60

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	508.898	6.60	-3.50	509.066	6.60	561	+	0.00	8393238.305	325874.101	506.063	508.835	2.77	3.500	508.604	-6.60	5.50	508.172	-6.60
-5.500	508.584	6.60	-3.50	508.752	6.60	562	+	0.00	8393233.177	325854.771	505.775	508.521	2.75	3.500	508.290	-6.60	5.50	507.858	-6.60
-5.500	508.406	6.60	-3.50	508.574	6.60	562	+	9.46	8393231.091	325845.548	505.528	508.343	2.82	3.500	508.112	-6.60	5.50	507.680	-6.60
-5.500	508.103	5.15	-3.50	508.300	5.15	563	+	0.00	8393229.012	325835.212	505.139	508.120	2.98	3.500	507.940	-5.15	5.50	507.537	-5.15
-5.500	507.467	2.40	-3.50	507.719	2.40	564	+	0.00	8393225.606	325815.505	504.188	507.635	3.45	3.500	507.495	-4.00	5.50	507.115	-4.00
-5.500	506.890	0.00	-3.50	507.190	0.00	564	+	17.46	8393222.940	325798.253	503.359	507.190	3.83	3.500	507.050	-4.00	5.50	506.670	-4.00
-5.500	506.806	-0.35	-3.50	507.113	-0.35	565	+	0.00	8393222.559	325795.738	503.249	507.125	3.88	3.500	506.985	-4.00	5.50	506.605	-4.00
-5.500	506.145	-3.10	-3.50	506.507	-3.10	566	+	0.00	8393219.557	325775.965	502.341	506.615	4.27	3.500	506.475	-4.00	5.50	506.095	-4.00
-5.500	505.585	-4.00	-3.50	505.965	-4.00	567	+	0.00	8393216.555	325756.191	501.737	506.105	4.37	3.500	505.965	-4.00	5.50	505.585	-4.00
-5.500	505.075	-4.00	-3.50	505.455	-4.00	568	+	0.00	8393213.553	325736.418	500.992	505.595	4.60	3.500	505.455	-4.00	5.50	505.075	-4.00
-5.500	504.565	-4.00	-3.50	504.945	-4.00	569	+	0.00	8393210.552	325716.644	500.205	505.085	4.88	3.500	504.945	-4.00	5.50	504.565	-4.00
-5.500	504.055	-4.00	-3.50	504.435	-4.00	570	+	0.00	8393207.550	325696.871	499.378	504.575	5.20	3.500	504.435	-4.00	5.50	504.055	-4.00
-5.500	503.545	-4.00	-3.50	503.925	-4.00	571	+	0.00	8393204.548	325677.097	498.727	504.065	5.34	3.500	503.925	-4.00	5.50	503.545	-4.00
-5.500	503.035	-4.00	-3.50	503.415	-4.00	572	+	0.00	8393201.546	325657.324	498.323	503.555	5.23	3.500	503.415	-4.00	5.50	503.035	-4.00
-5.500	502.525	-4.00	-3.50	502.905	-4.00	573	+	0.00	8393198.545	325637.551	498.089	503.045	4.96	3.500	502.905	-4.00	5.50	502.525	-4.00
-5.500	502.015	-4.00	-3.50	502.395	-4.00	574	+	0.00	8393195.543	325617.777	497.887	502.535	4.65	3.500	502.395	-4.00	5.50	502.015	-4.00
-5.500	501.505	-4.00	-3.50	501.885	-4.00	575	+	0.00	8393192.541	325598.004	497.870	502.025	4.15	3.500	501.964	-1.75	5.50	501.629	-1.75
-5.500	501.152	-4.00	-3.50	501.532	-4.00	575	+	15.34	8393190.239	325582.841	497.813	501.672	3.86	3.500	501.672	0.00	5.50	501.372	0.00
-5.500	501.059	-4.00	-3.50	501.439	-4.00	576	+	0.00	8393189.539	325578.230	497.785	501.579	3.79	3.500	501.598	0.53	5.50	501.308	0.53
-5.500	500.741	-4.00	-3.50	501.121	-4.00	577	+	0.00	8393186.431	325558.473	497.546	501.261	3.72	3.500	501.359	2.81	5.50	501.116	2.81
-5.500	500.491	-5.08	-3.50	500.892	-5.08	578	+	0.00	8393182.904	325538.787	497.330	501.070	3.74	3.500	501.248	5.08	5.50	501.049	5.08
-5.500	500.351	-6.60	-3.50	500.783	-6.60	578	+	13.34	8393180.154	325525.739	497.441	501.014	3.57	3.500	501.245	6.60	5.50	501.077	6.60
-5.500	500.344	-6.60	-3.50	500.776	-6.60	579	+	0.00	8393178.625	325519.253	497.474	501.007	3.53	3.500	501.238	6.60	5.50	501.070	6.60
-5.500	500.410	-6.60	-3.50	500.842	-6.60	580	+	0.00	8393173.391	325499.952	497.475	501.073	3.60	3.500	501.304	6.60	5.50	501.136	6.60
-5.500	500.422	-6.60	-3.50	500.854	-6.60	580	+	1.82	8393172.834	325498.238	497.471	501.085	3.61	3.500	501.316	6.60	5.50	501.148	6.60
-5.500	500.602	-6.60	-3.50	501.034	-6.60	581	+	0.00	8393167.199	325480.937	497.474	501.265	3.79	3.500	501.496	6.60	5.50	501.328	6.60
-5.500	500.752	-6.60	-3.50	501.184	-6.60	581	+	10.31	8393163.638	325471.264	497.517	501.415	3.90	3.500	501.646	6.60	5.50	501.478	6.60
-5.500	500.984	-5.50	-3.50	501.394	-5.50	582	+	0.00	8393160.070	325462.252	497.635	501.586	3.95	3.500	501.779	5.50	5.50	501.589	5.50
-5.500	501.515	-4.00	-3.50	501.895	-4.00	583	+	0.00	8393152.176	325443.877	497.945	502.035	4.09	3.500	502.148	3.22	5.50	501.912	3.22
-5.500	502.091	-4.00	-3.50	502.471	-4.00	584	+	0.00	8393143.836	325425.699	498.335	502.611	4.28	3.500	502.644	0.95	5.50	502.363	0.95
-5.500	502.368	-4.00	-3.50	502.748	-4.00	584	+	8.31	8393140.316	325418.174	498.446	502.888	4.44	3.500	502.888	0.00	5.50	502.588	0.00
-5.500	502.795	-4.00	-3.50	503.175	-4.00	585	+	0.00	8393135.356	325407.586	498.581	503.315	4.73	3.500	503.268	-1.33	5.50	502.942	-1.33
-5.500	503.563	-4.00	-3.50	503.943	-4.00	586	+	0.00	8393126.872	325389.475	498.914	504.083	5.17	3.500	503.957	-3.61	5.50	503.584	-3.61
-5.500	504.331	-4.00	-3.50	504.711	-4.00	587	+	0.00	8393118.388	325371.363	499.529	504.851	5.32	3.500	504.711	-4.00	5.50	504.331	-4.00
-5.500	505.099	-4.00	-3.50	505.479	-4.00	588	+	0.00	8393109.904	325353.252	500.257	505.619	5.36	3.500	505.479	-4.00	5.50	505.099	-4.00
-5.500	505.867	-4.00	-3.50	506.247	-4.00	589	+	0.00	8393101.419	325335.141	501.033	506.387	5.35	3.500	506.247	-4.00	5.50	505.867	-4.00
-5.500	506.635	-4.00	-3.50	507.015	-4.00	590	+	0.00	8393092.935	325317.029	502.026	507.155	5.13	3.500	507.015	-4.00	5.50	506.635	-4.00
-5.500	507.403	-4.00	-3.50	507.783	-4.00	591	+	0.00	8393084.451	325298.918	503.189	507.923	4.73	3.500	507.783	-4.00	5.50	507.403	-4.00
-5.500	508.171	-4.00	-3.50	508.551	-4.00	592	+	0.00	8393075.967	325280.807	503.865	508.691	4.83	3.500	508.551	-4.00	5.50	508.171	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	508.939	-4.00	-3.50	509.319	-4.00	593	+	0.00	8393067.483	325262.695	504.846	509.459	4.61	3.500	509.319	-4.00	5.50	508.939	-4.00
-5.500	509.755	-3.13	-3.50	510.117	-3.13	594	+	0.00	8393058.999	325244.584	505.956	510.227	4.27	3.500	510.087	-4.00	5.50	509.707	-4.00
-5.500	510.648	-0.85	-3.50	510.965	-0.85	595	+	0.00	8393050.515	325226.473	507.150	510.995	3.85	3.500	510.855	-4.00	5.50	510.475	-4.00
-5.500	510.983	0.00	-3.50	511.283	0.00	595	+	7.51	8393047.331	325219.675	507.677	511.283	3.61	3.500	511.143	-4.00	5.50	510.763	-4.00
-5.500	511.541	1.42	-3.50	511.813	1.42	596	+	0.00	8393042.043	325208.356	508.628	511.763	3.13	3.500	511.623	-4.00	5.50	511.243	-4.00
-5.500	512.435	3.70	-3.50	512.661	3.70	597	+	0.00	8393033.770	325190.147	510.440	512.531	2.09	3.500	512.391	-4.00	5.50	512.011	-4.00
-5.500	513.327	5.97	-3.50	513.508	5.97	598	+	0.00	8393026.011	325171.715	512.186	513.299	1.11	3.500	513.090	-5.97	5.50	512.671	-5.97
-5.500	513.573	6.60	-3.50	513.741	6.60	598	+	5.51	8393024.008	325166.586	512.612	513.510	0.90	3.500	513.279	-6.60	5.50	512.847	-6.60
-5.500	514.130	6.60	-3.50	514.298	6.60	599	+	0.00	8393019.073	325152.959	513.768	514.067	0.30	3.500	513.836	-6.60	5.50	513.404	-6.60
-5.500	514.898	6.60	-3.50	515.066	6.60	600	+	0.00	8393013.080	325133.880	514.706	514.835	0.13	3.500	514.604	-6.60	5.50	514.172	-6.60
-5.500	515.666	6.60	-3.50	515.834	6.60	601	+	0.00	8393008.049	325114.526	514.710	515.603	0.89	3.500	515.372	-6.60	5.50	514.940	-6.60
-5.500	516.369	6.60	-3.50	516.537	6.60	602	+	0.00	8393003.990	325094.944	516.339	516.306	-0.03	3.500	516.075	-6.60	5.50	515.643	-6.60
-5.500	516.944	6.60	-3.50	517.112	6.60	603	+	0.00	8393000.916	325075.184	515.553	516.881	1.33	3.500	516.650	-6.60	5.50	516.218	-6.60
-5.500	517.211	6.60	-3.50	517.379	6.60	603	+	11.30	8393000.084	325063.870	515.405	517.148	1.74	3.500	516.917	-6.60	5.50	516.485	-6.60
-5.500	517.389	6.60	-3.50	517.557	6.60	604	+	0.00	8392998.833	325055.294	515.368	517.326	1.96	3.500	517.095	-6.60	5.50	516.663	-6.60
-5.500	517.706	6.60	-3.50	517.874	6.60	605	+	0.00	8392997.747	325035.326	515.727	517.643	1.92	3.500	517.412	-6.60	5.50	516.980	-6.60
-5.500	517.893	6.60	-3.50	518.061	6.60	606	+	0.00	8392997.660	325015.328	515.905	517.830	1.93	3.500	517.599	-6.60	5.50	517.167	-6.60
-5.500	517.952	6.60	-3.50	518.120	6.60	607	+	0.00	8392998.572	324995.351	516.135	517.889	1.75	3.500	517.658	-6.60	5.50	517.226	-6.60
-5.500	517.881	6.60	-3.50	518.049	6.60	608	+	0.00	8393000.482	324975.445	516.739	517.818	1.08	3.500	517.587	-6.60	5.50	517.155	-6.60
-5.500	517.719	6.60	-3.50	517.887	6.60	608	+	17.08	8393002.90	324958.535	517.169	517.656	0.49	3.500	517.425	-6.60	5.50	516.993	-6.60
-5.500	517.664	6.27	-3.50	517.838	6.27	609	+	0.00	8393003.384	324955.659	517.204	517.619	0.42	3.500	517.400	-6.27	5.50	516.974	-6.27
-5.500	517.273	3.99	-3.50	517.494	3.99	610	+	0.00	8393007.188	324936.025	517.070	517.354	0.28	3.500	517.214	-4.00	5.50	516.834	-4.00
-5.500	516.885	1.72	-3.50	517.150	1.72	611	+	0.00	8393011.583	324916.514	516.899	517.090	0.19	3.500	516.950	-4.00	5.50	516.570	-4.00
-5.500	516.591	0.00	-3.50	516.891	0.00	611	+	15.08	8393015.084	324901.843	516.967	516.891	-0.08	3.500	516.751	-4.00	5.50	516.371	-4.00
-5.500	516.495	-0.56	-3.50	516.806	-0.56	612	+	0.00	8393016.232	324897.062	517.006	516.826	-0.18	3.500	516.686	-4.00	5.50	516.306	-4.00
-5.500	516.106	-2.84	-3.50	516.463	-2.84	613	+	0.00	8393020.906	324877.616	516.709	516.562	-0.15	3.500	516.422	-4.00	5.50	516.042	-4.00
-5.500	515.778	-4.00	-3.50	516.158	-4.00	614	+	0.00	8393025.580	324858.170	516.028	516.298	0.27	3.500	516.158	-4.00	5.50	515.778	-4.00
-5.500	515.514	-4.00	-3.50	515.894	-4.00	615	+	0.00	8393030.253	324838.723	515.570	516.034	0.46	3.500	515.894	-4.00	5.50	515.514	-4.00
-5.500	515.250	-4.00	-3.50	515.630	-4.00	616	+	0.00	8393034.927	324819.277	515.187	515.770	0.58	3.500	515.630	-4.00	5.50	515.250	-4.00
-5.500	514.986	-4.00	-3.50	515.366	-4.00	617	+	0.00	8393039.60	324799.831	514.858	515.506	0.65	3.500	515.366	-4.00	5.50	514.986	-4.00
-5.500	514.722	-4.00	-3.50	515.102	-4.00	618	+	0.00	8393044.274	324780.384	514.415	515.242	0.83	3.500	515.102	-4.00	5.50	514.722	-4.00
-5.500	514.458	-4.00	-3.50	514.838	-4.00	619	+	0.00	8393048.947	324760.938	514.032	514.978	0.95	3.500	514.838	-4.00	5.50	514.458	-4.00
-5.500	514.193	-4.00	-3.50	514.573	-4.00	620	+	0.00	8393053.621	324741.492	513.526	514.713	1.19	3.500	514.573	-4.00	5.50	514.193	-4.00
-5.500	513.929	-4.00	-3.50	514.309	-4.00	621	+	0.00	8393058.294	324722.046	513.191	514.449	1.26	3.500	514.309	-4.00	5.50	513.929	-4.00
-5.500	513.665	-4.00	-3.50	514.045	-4.00	622	+	0.00	8393062.968	324702.599	512.913	514.185	1.27	3.500	514.045	-4.00	5.50	513.665	-4.00
-5.500	513.401	-4.00	-3.50	513.781	-4.00	623	+	0.00	8393067.642	324683.153	512.534	513.921	1.39	3.500	513.781	-4.00	5.50	513.401	-4.00
-5.500	513.137	-4.00	-3.50	513.517	-4.00	624	+	0.00	8393072.315	324663.707	512.234	513.657	1.42	3.500	513.517	-4.00	5.50	513.137	-4.00
-5.500	512.873	-4.00	-3.50	513.253	-4.00	625	+	0.00	8393076.989	324644.260	512.131	513.393	1.26	3.500	513.253	-4.00	5.50	512.873	-4.00
-5.500	512.609	-4.00	-3.50	512.989	-4.00	626	+	0.00	8393081.662	324624.814	511.963	513.129	1.17	3.500	512.989	-4.00	5.50	512.609	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	512.345	-4.00	-3.50	512.725	-4.00	627	+	0.00	8393086.336	324605.368	511.463	512.865	1.40	3.500	512.725	-4.00	5.50	512.345	-4.00
-5.500	512.081	-4.00	-3.50	512.461	-4.00	628	+	0.00	8393091.009	324585.922	511.152	512.601	1.45	3.500	512.461	-4.00	5.50	512.081	-4.00
-5.500	511.816	-4.00	-3.50	512.196	-4.00	629	+	0.00	8393095.683	324566.475	511.156	512.336	1.18	3.500	512.196	-4.00	5.50	511.816	-4.00
-5.500	511.552	-4.00	-3.50	511.932	-4.00	630	+	0.00	8393100.356	324547.029	511.198	512.072	0.87	3.500	511.932	-4.00	5.50	511.552	-4.00
-5.500	511.288	-4.00	-3.50	511.668	-4.00	631	+	0.00	8393105.030	324527.583	511.175	511.808	0.63	3.500	511.668	-4.00	5.50	511.288	-4.00
-5.500	511.024	-4.00	-3.50	511.404	-4.00	632	+	0.00	8393109.704	324508.137	511.023	511.544	0.52	3.500	511.404	-4.00	5.50	511.024	-4.00
-5.500	510.760	-4.00	-3.50	511.140	-4.00	633	+	0.00	8393114.377	324488.690	510.797	511.280	0.48	3.500	511.140	-4.00	5.50	510.760	-4.00
-5.500	510.496	-4.00	-3.50	510.876	-4.00	634	+	0.00	8393119.051	324469.244	510.379	511.016	0.64	3.500	510.876	-4.00	5.50	510.496	-4.00
-5.500	510.232	-4.00	-3.50	510.612	-4.00	635	+	0.00	8393123.724	324449.798	510.033	510.752	0.72	3.500	510.612	-4.00	5.50	510.232	-4.00
-5.500	509.968	-4.00	-3.50	510.348	-4.00	636	+	0.00	8393128.398	324430.351	509.642	510.488	0.85	3.500	510.348	-4.00	5.50	509.968	-4.00
-5.500	509.704	-4.00	-3.50	510.084	-4.00	637	+	0.00	8393133.071	324410.905	509.157	510.224	1.07	3.500	510.084	-4.00	5.50	509.704	-4.00
-5.500	509.439	-4.00	-3.50	509.819	-4.00	638	+	0.00	8393137.745	324391.459	508.643	509.959	1.32	3.500	509.819	-4.00	5.50	509.439	-4.00
-5.500	509.175	-4.00	-3.50	509.555	-4.00	639	+	0.00	8393142.418	324372.013	508.205	509.695	1.49	3.500	509.555	-4.00	5.50	509.175	-4.00
-5.500	508.911	-4.00	-3.50	509.291	-4.00	640	+	0.00	8393147.092	324352.566	507.656	509.431	1.77	3.500	509.291	-4.00	5.50	508.911	-4.00
-5.500	508.647	-4.00	-3.50	509.027	-4.00	641	+	0.00	8393151.765	324333.120	507.339	509.167	1.83	3.500	509.027	-4.00	5.50	508.647	-4.00
-5.500	508.383	-4.00	-3.50	508.763	-4.00	642	+	0.00	8393156.439	324313.674	507.134	508.903	1.77	3.500	508.763	-4.00	5.50	508.383	-4.00
-5.500	508.119	-4.00	-3.50	508.499	-4.00	643	+	0.00	8393161.113	324294.227	506.842	508.639	1.80	3.500	508.499	-4.00	5.50	508.119	-4.00
-5.500	507.855	-4.00	-3.50	508.235	-4.00	644	+	0.00	8393165.786	324274.781	506.471	508.375	1.90	3.500	508.235	-4.00	5.50	507.855	-4.00
-5.500	507.591	-4.00	-3.50	507.971	-4.00	645	+	0.00	8393170.460	324255.335	506.209	508.111	1.90	3.500	507.971	-4.00	5.50	507.591	-4.00
-5.500	507.327	-4.00	-3.50	507.707	-4.00	646	+	0.00	8393175.133	324235.889	505.921	507.847	1.93	3.500	507.707	-4.00	5.50	507.327	-4.00
-5.500	507.063	-4.00	-3.50	507.443	-4.00	647	+	0.00	8393179.807	324216.442	505.663	507.583	1.92	3.500	507.443	-4.00	5.50	507.063	-4.00
-5.500	506.798	-4.00	-3.50	507.178	-4.00	648	+	0.00	8393184.480	324196.996	505.426	507.318	1.89	3.500	507.178	-4.00	5.50	506.798	-4.00
-5.500	506.534	-4.00	-3.50	506.914	-4.00	649	+	0.00	8393189.154	324177.550	505.187	507.054	1.87	3.500	506.950	-2.96	5.50	506.591	-2.96
-5.500	506.270	-4.00	-3.50	506.650	-4.00	650	+	0.00	8393193.827	324158.103	504.982	506.790	1.81	3.500	506.783	-0.21	5.50	506.478	-0.21
-5.500	506.250	-4.00	-3.50	506.630	-4.00	650	+	1.53	8393194.184	324156.621	504.965	506.770	1.81	3.500	506.770	0.00	5.50	506.470	0.00
-5.500	506.006	-4.00	-3.50	506.386	-4.00	651	+	0.00	8393198.448	324138.644	504.768	506.526	1.76	3.500	506.615	2.54	5.50	506.366	2.54
-5.500	505.671	-5.29	-3.50	506.077	-5.29	652	+	0.00	8393202.693	324119.101	504.451	506.262	1.81	3.500	506.447	5.29	5.50	506.253	5.29
-5.500	505.473	-6.60	-3.50	505.905	-6.60	652	+	9.53	8393204.463	324109.742	504.259	506.136	1.88	3.500	506.367	6.60	5.50	506.199	6.60
-5.500	505.335	-6.60	-3.50	505.767	-6.60	653	+	0.00	8393206.161	324099.406	504.061	505.998	1.94	3.500	506.229	6.60	5.50	506.061	6.60
-5.500	505.071	-6.60	-3.50	505.503	-6.60	654	+	0.00	8393208.647	324079.563	503.816	505.734	1.92	3.500	505.965	6.60	5.50	505.797	6.60
-5.500	504.968	-6.60	-3.50	505.400	-6.60	654	+	7.80	8393209.335	324071.826	503.704	505.631	1.93	3.500	505.862	6.60	5.50	505.694	6.60
-5.500	504.807	-6.60	-3.50	505.239	-6.60	655	+	0.00	8393210.139	324059.621	503.595	505.470	1.88	3.500	505.701	6.60	5.50	505.533	6.60
-5.500	504.543	-6.60	-3.50	504.975	-6.60	656	+	0.00	8393210.632	324039.629	503.562	505.206	1.64	3.500	505.437	6.60	5.50	505.269	6.60
-5.500	504.462	-6.60	-3.50	504.894	-6.60	656	+	6.07	8393210.584	324033.555	503.516	505.125	1.61	3.500	505.356	6.60	5.50	505.188	6.60
-5.500	504.383	-4.69	-3.50	504.777	-4.69	657	+	0.00	8393210.149	324019.637	503.360	504.941	1.58	3.500	505.105	4.69	5.50	504.899	4.69
-5.500	504.157	-4.00	-3.50	504.537	-4.00	658	+	0.00	8393208.959	323999.673	503.036	504.677	1.64	3.500	504.745	1.94	5.50	504.484	1.94
-5.500	503.972	-4.00	-3.50	504.352	-4.00	658	+	14.07	8393207.921	323985.637	502.892	504.492	1.60	3.500	504.492	0.00	5.50	504.192	0.00
-5.500	503.893	-4.00	-3.50	504.273	-4.00	659	+	0.00	8393207.474	323979.728	502.841	504.413	1.57	3.500	504.385	-0.81	5.50	504.068	-0.81
-5.500	503.629	-4.00	-3.50	504.009	-4.00	660	+	0.00	8393205.966	323959.785	502.578	504.149	1.57	3.500	504.024	-3.56	5.50	503.653	-3.56

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	503.365	-4.00	-3.50	503.745	-4.00	661	+	0.00	8393204.457	323939.842	502.432	503.885	1.45	3.500	503.745	-4.00	5.50	503.365	-4.00
-5.500	503.101	-4.00	-3.50	503.481	-4.00	662	+	0.00	8393202.948	323919.899	502.407	503.621	1.21	3.500	503.481	-4.00	5.50	503.101	-4.00
-5.500	502.841	-4.00	-3.50	503.221	-4.00	663	+	0.00	8393201.439	323899.956	502.275	503.361	1.09	3.500	503.221	-4.00	5.50	502.841	-4.00
-5.500	502.609	-4.00	-3.50	502.989	-4.00	664	+	0.00	8393199.930	323880.013	502.206	503.129	0.92	3.500	502.989	-4.00	5.50	502.609	-4.00
-5.500	502.408	-4.00	-3.50	502.788	-4.00	665	+	0.00	8393198.421	323860.070	502.167	502.928	0.76	3.500	502.788	-4.00	5.50	502.408	-4.00
-5.500	502.239	-4.00	-3.50	502.619	-4.00	666	+	0.00	8393196.912	323840.127	502.098	502.759	0.66	3.500	502.619	-4.00	5.50	502.239	-4.00
-5.500	502.103	-4.00	-3.50	502.483	-4.00	667	+	0.00	8393195.404	323820.184	502.061	502.623	0.56	3.500	502.483	-4.00	5.50	502.103	-4.00
-5.500	501.993	-4.00	-3.50	502.373	-4.00	668	+	0.00	8393193.895	323800.241	501.865	502.513	0.65	3.500	502.373	-4.00	5.50	501.993	-4.00
-5.500	501.888	-4.00	-3.50	502.268	-4.00	669	+	0.00	8393192.386	323780.298	501.682	502.408	0.73	3.500	502.268	-4.00	5.50	501.888	-4.00
-5.500	501.783	-4.00	-3.50	502.163	-4.00	670	+	0.00	8393190.877	323760.355	501.573	502.303	0.73	3.500	502.163	-4.00	5.50	501.783	-4.00
-5.500	501.678	-4.00	-3.50	502.058	-4.00	671	+	0.00	8393189.368	323740.412	501.496	502.198	0.70	3.500	502.058	-4.00	5.50	501.678	-4.00
-5.500	501.573	-4.00	-3.50	501.953	-4.00	672	+	0.00	8393187.859	323720.469	501.422	502.093	0.67	3.500	501.953	-4.00	5.50	501.573	-4.00
-5.500	501.468	-4.00	-3.50	501.848	-4.00	673	+	0.00	8393186.351	323700.526	501.345	501.988	0.64	3.500	501.848	-4.00	5.50	501.468	-4.00
-5.500	501.363	-4.00	-3.50	501.743	-4.00	674	+	0.00	8393184.842	323680.583	501.280	501.883	0.60	3.500	501.743	-4.00	5.50	501.363	-4.00
-5.500	501.258	-4.00	-3.50	501.638	-4.00	675	+	0.00	8393183.333	323660.640	501.191	501.778	0.59	3.500	501.638	-4.00	5.50	501.258	-4.00
-5.500	501.153	-4.00	-3.50	501.533	-4.00	676	+	0.00	8393181.824	323640.697	501.069	501.673	0.60	3.500	501.533	-4.00	5.50	501.153	-4.00
-5.500	501.048	-4.00	-3.50	501.428	-4.00	677	+	0.00	8393180.315	323620.754	500.932	501.568	0.64	3.500	501.428	-4.00	5.50	501.048	-4.00
-5.500	500.943	-4.00	-3.50	501.323	-4.00	678	+	0.00	8393178.806	323600.811	500.806	501.463	0.66	3.500	501.323	-4.00	5.50	500.943	-4.00
-5.500	500.838	-4.00	-3.50	501.218	-4.00	679	+	0.00	8393177.298	323580.868	500.684	501.358	0.67	3.500	501.218	-4.00	5.50	500.838	-4.00
-5.500	500.733	-4.00	-3.50	501.113	-4.00	680	+	0.00	8393175.789	323560.925	500.575	501.253	0.68	3.500	501.113	-4.00	5.50	500.733	-4.00
-5.500	500.628	-4.00	-3.50	501.008	-4.00	681	+	0.00	8393174.280	323540.982	500.506	501.148	0.64	3.500	501.008	-4.00	5.50	500.628	-4.00
-5.500	500.523	-4.00	-3.50	500.903	-4.00	682	+	0.00	8393172.771	323521.039	500.461	501.043	0.58	3.500	500.903	-4.00	5.50	500.523	-4.00
-5.500	500.418	-4.00	-3.50	500.798	-4.00	683	+	0.00	8393171.262	323501.096	500.328	500.938	0.61	3.500	500.798	-4.00	5.50	500.418	-4.00
-5.500	500.313	-4.00	-3.50	500.693	-4.00	684	+	0.00	8393169.753	323481.153	500.260	500.833	0.57	3.500	500.693	-4.00	5.50	500.313	-4.00
-5.500	500.208	-4.00	-3.50	500.588	-4.00	685	+	0.00	8393168.245	323461.210	500.210	500.728	0.52	3.500	500.588	-4.00	5.50	500.208	-4.00
-5.500	500.103	-4.00	-3.50	500.483	-4.00	686	+	0.00	8393166.736	323441.267	500.093	500.623	0.53	3.500	500.483	-4.00	5.50	500.103	-4.00
-5.500	499.998	-4.00	-3.50	500.378	-4.00	687	+	0.00	8393165.227	323421.324	499.944	500.518	0.57	3.500	500.378	-4.00	5.50	499.998	-4.00
-5.500	499.893	-4.00	-3.50	500.273	-4.00	688	+	0.00	8393163.718	323401.381	499.778	500.413	0.63	3.500	500.273	-4.00	5.50	499.893	-4.00
-5.500	499.788	-4.00	-3.50	500.168	-4.00	689	+	0.00	8393162.209	323381.438	499.549	500.308	0.76	3.500	500.168	-4.00	5.50	499.788	-4.00
-5.500	499.683	-4.00	-3.50	500.063	-4.00	690	+	0.00	8393160.70	323361.495	499.334	500.203	0.87	3.500	500.063	-4.00	5.50	499.683	-4.00
-5.500	499.578	-4.00	-3.50	499.958	-4.00	691	+	0.00	8393159.192	323341.552	499.176	500.098	0.92	3.500	499.958	-4.00	5.50	499.578	-4.00
-5.500	499.473	-4.00	-3.50	499.853	-4.00	692	+	0.00	8393157.683	323321.609	498.917	499.993	1.08	3.500	499.853	-4.00	5.50	499.473	-4.00
-5.500	499.367	-4.00	-3.50	499.747	-4.00	693	+	0.00	8393156.174	323301.666	498.678	499.887	1.21	3.500	499.747	-4.00	5.50	499.367	-4.00
-5.500	499.262	-4.00	-3.50	499.642	-4.00	694	+	0.00	8393154.665	323281.723	498.450	499.782	1.33	3.500	499.642	-4.00	5.50	499.262	-4.00
-5.500	499.157	-4.00	-3.50	499.537	-4.00	695	+	0.00	8393153.156	323261.780	498.211	499.677	1.47	3.500	499.537	-4.00	5.50	499.157	-4.00
-5.500	499.052	-4.00	-3.50	499.432	-4.00	696	+	0.00	8393151.647	323241.837	498.089	499.572	1.48	3.500	499.432	-4.00	5.50	499.052	-4.00
-5.500	498.947	-4.00	-3.50	499.327	-4.00	697	+	0.00	8393150.139	323221.894	497.934	499.467	1.53	3.500	499.327	-4.00	5.50	498.947	-4.00
-5.500	498.842	-4.00	-3.50	499.222	-4.00	698	+	0.00	8393148.630	323201.951	497.726	499.362	1.64	3.500	499.222	-4.00	5.50	498.842	-4.00
-5.500	498.737	-4.00	-3.50	499.117	-4.00	699	+	0.00	8393147.121	323182.008	497.511	499.257	1.75	3.500	499.117	-4.00	5.50	498.737	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	498.632	-4.00	-3.50	499.012	-4.00	700	+	0.00	8393145.612	323162.065	497.268	499.152	1.88	3.500	499.012	-4.00	5.50	498.632	-4.00
-5.500	498.527	-4.00	-3.50	498.907	-4.00	701	+	0.00	8393144.103	323142.122	497.097	499.047	1.95	3.500	498.907	-4.00	5.50	498.527	-4.00
-5.500	498.422	-4.00	-3.50	498.802	-4.00	702	+	0.00	8393142.594	323122.179	496.904	498.942	2.04	3.500	498.802	-4.00	5.50	498.422	-4.00
-5.500	498.317	-4.00	-3.50	498.697	-4.00	703	+	0.00	8393141.086	323102.236	496.710	498.837	2.13	3.500	498.697	-4.00	5.50	498.317	-4.00
-5.500	498.212	-4.00	-3.50	498.592	-4.00	704	+	0.00	8393139.577	323082.293	496.521	498.732	2.21	3.500	498.592	-4.00	5.50	498.212	-4.00
-5.500	498.107	-4.00	-3.50	498.487	-4.00	705	+	0.00	8393138.068	323062.350	496.430	498.627	2.20	3.500	498.487	-4.00	5.50	498.107	-4.00
-5.500	498.002	-4.00	-3.50	498.382	-4.00	706	+	0.00	8393136.559	323042.407	496.270	498.522	2.25	3.500	498.382	-4.00	5.50	498.002	-4.00
-5.500	497.897	-4.00	-3.50	498.277	-4.00	707	+	0.00	8393135.050	323022.464	496.137	498.417	2.28	3.500	498.277	-4.00	5.50	497.897	-4.00
-5.500	497.792	-4.00	-3.50	498.172	-4.00	708	+	0.00	8393133.541	323002.521	496.003	498.312	2.31	3.500	498.172	-4.00	5.50	497.792	-4.00
-5.500	497.687	-4.00	-3.50	498.067	-4.00	709	+	0.00	8393132.033	322982.578	495.945	498.207	2.26	3.500	498.067	-4.00	5.50	497.687	-4.00
-5.500	497.582	-4.00	-3.50	497.962	-4.00	710	+	0.00	8393130.524	322962.635	495.822	498.102	2.28	3.500	497.962	-4.00	5.50	497.582	-4.00
-5.500	497.521	-4.00	-3.50	497.901	-4.00	710	+	11.67	8393129.643	322951.0	495.826	498.041	2.21	3.500	497.901	-4.00	5.50	497.521	-4.00
-5.500	497.477	-4.00	-3.50	497.857	-4.00	711	+	0.00	8393129.004	322942.692	495.787	497.997	2.21	3.500	497.857	-4.00	5.50	497.477	-4.00
-5.500	497.372	-4.00	-3.50	497.752	-4.00	712	+	0.00	8393127.383	322922.758	495.699	497.892	2.19	3.500	497.752	-4.00	5.50	497.372	-4.00
-5.500	497.267	-4.00	-3.50	497.647	-4.00	713	+	0.00	8393125.639	322902.835	495.587	497.787	2.20	3.500	497.647	-4.00	5.50	497.267	-4.00
-5.500	497.162	-4.00	-3.50	497.542	-4.00	714	+	0.00	8393123.772	322882.922	495.422	497.682	2.26	3.500	497.542	-4.00	5.50	497.162	-4.00
-5.500	497.057	-4.00	-3.50	497.437	-4.00	715	+	0.00	8393121.783	322863.021	495.338	497.577	2.24	3.500	497.437	-4.00	5.50	497.057	-4.00
-5.500	496.952	-4.00	-3.50	497.332	-4.00	716	+	0.00	8393119.672	322843.133	495.235	497.472	2.24	3.500	497.332	-4.00	5.50	496.952	-4.00
-5.500	496.880	-4.00	-3.50	497.260	-4.00	716	+	13.68	8393118.143	322829.535	495.116	497.400	2.28	3.500	497.260	-4.00	5.50	496.880	-4.00
-5.500	496.847	-4.00	-3.50	497.227	-4.00	717	+	0.00	8393117.438	322823.258	495.082	497.367	2.29	3.500	497.227	-4.00	5.50	496.847	-4.00
-5.500	496.741	-4.00	-3.50	497.121	-4.00	718	+	0.00	8393115.082	322803.397	494.984	497.261	2.28	3.500	497.121	-4.00	5.50	496.741	-4.00
-5.500	496.636	-4.00	-3.50	497.016	-4.00	719	+	0.00	8393112.604	322783.551	494.860	497.156	2.30	3.500	497.016	-4.00	5.50	496.636	-4.00
-5.500	496.531	-4.00	-3.50	496.911	-4.00	720	+	0.00	8393110.004	322763.721	494.711	497.051	2.34	3.500	496.911	-4.00	5.50	496.531	-4.00
-5.500	496.426	-4.00	-3.50	496.806	-4.00	721	+	0.00	8393107.281	322743.907	494.572	496.946	2.37	3.500	496.806	-4.00	5.50	496.426	-4.00
-5.500	496.321	-4.00	-3.50	496.701	-4.00	722	+	0.00	8393104.437	322724.111	494.447	496.841	2.39	3.500	496.701	-4.00	5.50	496.321	-4.00
-5.500	496.239	-4.00	-3.50	496.619	-4.00	722	+	15.69	8393102.121	322708.592	494.377	496.759	2.38	3.500	496.619	-4.00	5.50	496.239	-4.00
-5.500	496.216	-4.00	-3.50	496.596	-4.00	723	+	0.00	8393101.474	322704.331	494.355	496.736	2.38	3.500	496.596	-4.00	5.50	496.216	-4.00
-5.500	496.111	-4.00	-3.50	496.491	-4.00	724	+	0.00	8393098.473	322684.558	494.170	496.631	2.46	3.500	496.491	-4.00	5.50	496.111	-4.00
-5.500	496.006	-4.00	-3.50	496.386	-4.00	725	+	0.00	8393095.473	322664.784	494.042	496.526	2.48	3.500	496.386	-4.00	5.50	496.006	-4.00
-5.500	495.901	-4.00	-3.50	496.281	-4.00	726	+	0.00	8393092.472	322645.011	493.920	496.421	2.50	3.500	496.281	-4.00	5.50	495.901	-4.00
-5.500	495.796	-4.00	-3.50	496.176	-4.00	727	+	0.00	8393089.472	322625.237	493.837	496.316	2.48	3.500	496.176	-4.00	5.50	495.796	-4.00
-5.500	495.691	-4.00	-3.50	496.071	-4.00	728	+	0.00	8393086.471	322605.463	493.564	496.211	2.65	3.500	496.071	-4.00	5.50	495.691	-4.00
-5.500	495.586	-4.00	-3.50	495.966	-4.00	729	+	0.00	8393083.471	322585.690	493.396	496.106	2.71	3.500	495.966	-4.00	5.50	495.586	-4.00
-5.500	495.481	-4.00	-3.50	495.861	-4.00	730	+	0.00	8393080.470	322565.916	493.317	496.001	2.68	3.500	495.861	-4.00	5.50	495.481	-4.00
-5.500	495.376	-4.00	-3.50	495.756	-4.00	731	+	0.00	8393077.469	322546.142	493.101	495.896	2.80	3.500	495.756	-4.00	5.50	495.376	-4.00
-5.500	495.271	-4.00	-3.50	495.651	-4.00	732	+	0.00	8393074.469	322526.369	493.056	495.791	2.74	3.500	495.651	-4.00	5.50	495.271	-4.00
-5.500	495.166	-4.00	-3.50	495.546	-4.00	733	+	0.00	8393071.468	322506.595	492.985	495.686	2.70	3.500	495.546	-4.00	5.50	495.166	-4.00
-5.500	495.061	-4.00	-3.50	495.441	-4.00	734	+	0.00	8393068.468	322486.821	493.038	495.581	2.54	3.500	495.441	-4.00	5.50	495.061	-4.00
-5.500	494.956	-4.00	-3.50	495.336	-4.00	735	+	0.00	8393065.467	322467.048	492.866	495.476	2.61	3.500	495.336	-4.00	5.50	494.956	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	494.851	-4.00	-3.50	495.231	-4.00	736	+	0.00	8393062.467	322447.274	492.753	495.371	2.62	3.500	495.231	-4.00	5.50	494.851	-4.00
-5.500	494.746	-4.00	-3.50	495.126	-4.00	737	+	0.00	8393059.466	322427.501	492.626	495.266	2.64	3.500	495.126	-4.00	5.50	494.746	-4.00
-5.500	494.641	-4.00	-3.50	495.021	-4.00	738	+	0.00	8393056.465	322407.727	492.609	495.161	2.55	3.500	495.021	-4.00	5.50	494.641	-4.00
-5.500	494.536	-4.00	-3.50	494.916	-4.00	739	+	0.00	8393053.465	322387.953	492.525	495.056	2.53	3.500	494.916	-4.00	5.50	494.536	-4.00
-5.500	494.431	-4.00	-3.50	494.811	-4.00	740	+	0.00	8393050.464	322368.180	492.346	494.951	2.61	3.500	494.811	-4.00	5.50	494.431	-4.00
-5.500	494.326	-4.00	-3.50	494.706	-4.00	741	+	0.00	8393047.464	322348.406	492.205	494.846	2.64	3.500	494.706	-4.00	5.50	494.326	-4.00
-5.500	494.221	-4.00	-3.50	494.601	-4.00	742	+	0.00	8393044.463	322328.632	492.197	494.741	2.54	3.500	494.601	-4.00	5.50	494.221	-4.00
-5.500	494.115	-4.00	-3.50	494.495	-4.00	743	+	0.00	8393041.462	322308.859	492.216	494.635	2.42	3.500	494.495	-4.00	5.50	494.115	-4.00
-5.500	494.010	-4.00	-3.50	494.390	-4.00	744	+	0.00	8393038.462	322289.085	492.284	494.530	2.25	3.500	494.390	-4.00	5.50	494.010	-4.00
-5.500	493.905	-4.00	-3.50	494.285	-4.00	745	+	0.00	8393035.461	322269.312	492.200	494.425	2.23	3.500	494.285	-4.00	5.50	493.905	-4.00
-5.500	493.930	-1.63	-3.50	494.263	-1.63	746	+	0.00	8393032.461	322249.538	492.172	494.320	2.15	3.500	494.180	-4.00	5.50	493.800	-4.00
-5.500	493.958	0.00	-3.50	494.258	0.00	746	+	11.82	8393030.687	322237.850	492.084	494.258	2.17	3.500	494.118	-4.00	5.50	493.738	-4.00
-5.500	493.977	1.13	-3.50	494.255	1.13	747	+	0.00	8393029.467	322229.763	492.052	494.215	2.16	3.500	494.075	-4.00	5.50	493.695	-4.00
-5.500	494.024	3.89	-3.50	494.246	3.89	748	+	0.00	8393026.736	322209.951	491.996	494.110	2.11	3.500	493.970	-4.00	5.50	493.590	-4.00
-5.500	494.071	6.65	-3.50	494.238	6.65	749	+	0.00	8393024.845	322190.044	491.922	494.005	2.08	3.500	493.772	-6.65	5.50	493.339	-6.65
-5.500	494.094	8.00	-3.50	494.234	8.00	749	+	9.82	8393024.407	322180.232	491.919	493.954	2.04	3.500	493.674	-8.00	5.50	493.214	-8.00
-5.500	494.040	8.00	-3.50	494.180	8.00	750	+	0.00	8393024.382	322170.055	491.791	493.900	2.11	3.500	493.620	-8.00	5.50	493.160	-8.00
-5.500	493.935	8.00	-3.50	494.075	8.00	751	+	0.00	8393025.646	322150.101	491.369	493.795	2.43	3.500	493.515	-8.00	5.50	493.055	-8.00
-5.500	493.830	8.00	-3.50	493.970	8.00	752	+	0.00	8393028.637	322130.332	491.096	493.690	2.59	3.500	493.410	-8.00	5.50	492.950	-8.00
-5.500	493.732	8.00	-3.50	493.872	8.00	753	+	0.00	8393033.334	322110.898	490.852	493.592	2.74	3.500	493.312	-8.00	5.50	492.852	-8.00
-5.500	493.678	8.00	-3.50	493.818	8.00	753	+	19.92	8393039.683	322092.030	490.845	493.538	2.69	3.500	493.258	-8.00	5.50	492.798	-8.00
-5.500	493.678	8.00	-3.50	493.818	8.00	754	+	0.00	8393039.701	322091.945	490.847	493.538	2.69	3.500	493.258	-8.00	5.50	492.798	-8.00
-5.500	493.676	8.00	-3.50	493.816	8.00	755	+	0.00	8393047.690	322073.617	490.659	493.536	2.88	3.500	493.256	-8.00	5.50	492.796	-8.00
-5.500	493.726	8.00	-3.50	493.866	8.00	756	+	0.00	8393057.240	322056.052	491.073	493.586	2.51	3.500	493.306	-8.00	5.50	492.846	-8.00
-5.500	493.828	8.00	-3.50	493.968	8.00	757	+	0.00	8393068.280	322039.382	491.494	493.688	2.19	3.500	493.408	-8.00	5.50	492.948	-8.00
-5.500	493.975	8.00	-3.50	494.115	8.00	758	+	0.00	8393080.726	322023.735	491.545	493.835	2.29	3.500	493.555	-8.00	5.50	493.095	-8.00
-5.500	494.052	8.00	-3.50	494.192	8.00	758	+	10.01	8393087.453	322016.325	491.604	493.912	2.31	3.500	493.632	-8.00	5.50	493.172	-8.00
-5.500	494.052	6.62	-3.50	494.220	6.62	759	+	0.00	8393094.475	322009.218	491.708	493.988	2.28	3.500	493.756	-6.62	5.50	493.324	-6.62
-5.500	494.054	3.86	-3.50	494.277	3.86	760	+	0.00	8393109.226	321995.717	491.956	494.142	2.19	3.500	494.002	-4.00	5.50	493.622	-4.00
-5.500	494.056	1.10	-3.50	494.334	1.10	761	+	0.00	8393124.533	321982.845	492.309	494.295	1.99	3.500	494.155	-4.00	5.50	493.775	-4.00
-5.500	494.056	0.00	-3.50	494.356	0.00	761	+	8.01	8393130.726	321977.768	492.507	494.356	1.85	3.500	494.216	-4.00	5.50	493.836	-4.00
-5.500	494.057	-1.65	-3.50	494.390	-1.65	762	+	0.00	8393140.007	321970.174	492.681	494.448	1.77	3.500	494.308	-4.00	5.50	493.928	-4.00
-5.500	494.082	-4.00	-3.50	494.462	-4.00	763	+	0.00	8393155.485	321957.508	492.959	494.602	1.64	3.500	494.462	-4.00	5.50	494.082	-4.00
-5.500	494.235	-4.00	-3.50	494.615	-4.00	764	+	0.00	8393170.963	321944.842	493.304	494.755	1.45	3.500	494.615	-4.00	5.50	494.235	-4.00
-5.500	494.388	-4.00	-3.50	494.768	-4.00	765	+	0.00	8393186.442	321932.177	493.632	494.908	1.28	3.500	494.768	-4.00	5.50	494.388	-4.00
-5.500	494.542	-4.00	-3.50	494.922	-4.00	766	+	0.00	8393201.920	321919.511	493.950	495.062	1.11	3.500	494.922	-4.00	5.50	494.542	-4.00
-5.500	494.695	-4.00	-3.50	495.075	-4.00	767	+	0.00	8393217.398	321906.845	494.151	495.215	1.06	3.500	495.075	-4.00	5.50	494.695	-4.00
-5.500	494.840	-4.00	-3.50	495.220	-4.00	768	+	0.00	8393232.876	321894.179	494.180	495.360	1.18	3.500	495.220	-4.00	5.50	494.840	-4.00
-5.500	494.926	-4.00	-3.50	495.306	-4.00	769	+	0.00	8393248.355	321881.513	494.308	495.446	1.14	3.500	495.306	-4.00	5.50	494.926	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	494.944	-4.00	-3.50	495.324	-4.00	770	+	0.00	8393263.833	321868.848	494.163	495.464	1.30	3.500	495.324	-4.00	5.50	494.944	-4.00
-5.500	494.894	-4.00	-3.50	495.274	-4.00	771	+	0.00	8393279.311	321856.182	494.163	495.414	1.25	3.500	495.274	-4.00	5.50	494.894	-4.00
-5.500	494.777	-4.00	-3.50	495.157	-4.00	772	+	0.00	8393294.789	321843.516	494.096	495.297	1.20	3.500	495.157	-4.00	5.50	494.777	-4.00
-5.500	494.600	-4.00	-3.50	494.980	-4.00	773	+	0.00	8393310.268	321830.850	494.081	495.120	1.04	3.500	494.980	-4.00	5.50	494.600	-4.00
-5.500	494.415	-4.00	-3.50	494.795	-4.00	774	+	0.00	8393325.746	321818.184	493.928	494.935	1.01	3.500	494.795	-4.00	5.50	494.415	-4.00
-5.500	494.230	-4.00	-3.50	494.610	-4.00	775	+	0.00	8393341.224	321805.518	493.765	494.750	0.99	3.500	494.610	-4.00	5.50	494.230	-4.00
-5.500	494.045	-4.00	-3.50	494.425	-4.00	776	+	0.00	8393356.703	321792.853	493.529	494.565	1.04	3.500	494.425	-4.00	5.50	494.045	-4.00
-5.500	493.860	-4.00	-3.50	494.240	-4.00	777	+	0.00	8393372.181	321780.187	493.188	494.380	1.19	3.500	494.240	-4.00	5.50	493.860	-4.00
-5.500	493.675	-4.00	-3.50	494.055	-4.00	778	+	0.00	8393387.659	321767.521	492.832	494.195	1.36	3.500	494.055	-4.00	5.50	493.675	-4.00
-5.500	493.490	-4.00	-3.50	493.870	-4.00	779	+	0.00	8393403.137	321754.855	492.390	494.010	1.62	3.500	493.870	-4.00	5.50	493.490	-4.00
-5.500	493.305	-4.00	-3.50	493.685	-4.00	780	+	0.00	8393418.616	321742.189	492.030	493.825	1.80	3.500	493.685	-4.00	5.50	493.305	-4.00
-5.500	493.120	-4.00	-3.50	493.500	-4.00	781	+	0.00	8393434.094	321729.523	491.578	493.640	2.06	3.500	493.549	-2.60	5.50	493.197	-2.60
-5.500	492.935	-4.00	-3.50	493.315	-4.00	782	+	0.00	8393449.572	321716.858	491.189	493.455	2.27	3.500	493.435	-0.57	5.50	493.124	-0.57
-5.500	492.883	-4.00	-3.50	493.263	-4.00	782	+	5.62	8393453.918	321713.301	491.118	493.403	2.29	3.500	493.403	0.00	5.50	493.103	0.00
-5.500	492.750	-4.00	-3.50	493.130	-4.00	783	+	0.00	8393465.039	321704.178	490.905	493.270	2.37	3.500	493.321	1.46	5.50	493.050	1.46
-5.500	492.565	-4.00	-3.50	492.945	-4.00	784	+	0.00	8393480.368	321691.333	490.697	493.085	2.39	3.500	493.208	3.50	5.50	492.978	3.50
-5.500	492.296	-5.53	-3.50	492.706	-5.53	785	+	0.00	8393495.366	321678.102	490.404	492.900	2.50	3.500	493.094	5.53	5.50	492.904	5.53
-5.500	492.213	-6.10	-3.50	492.635	-6.10	785	+	5.62	8393499.488	321674.289	490.316	492.848	2.53	3.500	493.062	6.10	5.50	492.884	6.10
-5.500	492.080	-6.10	-3.50	492.502	-6.10	786	+	0.00	8393509.830	321664.292	490.153	492.715	2.56	3.500	492.929	6.10	5.50	492.751	6.10
-5.500	491.895	-6.10	-3.50	492.317	-6.10	787	+	0.00	8393523.667	321649.854	490.005	492.530	2.52	3.500	492.744	6.10	5.50	492.566	6.10
-5.500	491.717	-6.10	-3.50	492.139	-6.10	788	+	0.00	8393536.849	321634.815	489.958	492.352	2.39	3.500	492.566	6.10	5.50	492.388	6.10
-5.500	491.591	-6.10	-3.50	492.013	-6.10	789	+	0.00	8393549.350	321619.205	490.085	492.226	2.14	3.500	492.440	6.10	5.50	492.262	6.10
-5.500	491.523	-6.10	-3.50	491.945	-6.10	790	+	0.00	8393561.145	321603.056	490.061	492.158	2.10	3.500	492.372	6.10	5.50	492.194	6.10
-5.500	491.514	-6.10	-3.50	491.936	-6.10	791	+	0.00	8393572.211	321586.398	490.181	492.149	1.97	3.500	492.363	6.10	5.50	492.185	6.10
-5.500	491.563	-6.10	-3.50	491.985	-6.10	792	+	0.00	8393582.526	321569.265	490.207	492.198	1.99	3.500	492.412	6.10	5.50	492.234	6.10
-5.500	491.664	-6.10	-3.50	492.086	-6.10	793	+	0.00	8393592.069	321551.691	490.084	492.299	2.21	3.500	492.513	6.10	5.50	492.335	6.10
-5.500	491.772	-6.10	-3.50	492.194	-6.10	794	+	0.00	8393600.822	321533.710	490.002	492.407	2.40	3.500	492.621	6.10	5.50	492.443	6.10
-5.500	491.818	-6.10	-3.50	492.240	-6.10	794	+	8.49	8393604.210	321525.948	489.944	492.453	2.51	3.500	492.667	6.10	5.50	492.489	6.10
-5.500	491.880	-6.10	-3.50	492.302	-6.10	795	+	0.00	8393608.768	321515.357	489.789	492.515	2.73	3.500	492.729	6.10	5.50	492.551	6.10
-5.500	491.988	-6.10	-3.50	492.410	-6.10	796	+	0.00	8393615.890	321496.670	489.767	492.623	2.86	3.500	492.837	6.10	5.50	492.659	6.10
-5.500	492.096	-6.10	-3.50	492.518	-6.10	797	+	0.00	8393622.176	321477.685	489.770	492.731	2.96	3.500	492.945	6.10	5.50	492.767	6.10
-5.500	492.204	-6.10	-3.50	492.626	-6.10	798	+	0.00	8393627.611	321458.440	489.896	492.839	2.94	3.500	493.053	6.10	5.50	492.875	6.10
-5.500	492.312	-6.10	-3.50	492.734	-6.10	799	+	0.00	8393632.186	321438.972	489.869	492.947	3.08	3.500	493.161	6.10	5.50	492.983	6.10
-5.500	492.420	-6.10	-3.50	492.842	-6.10	800	+	0.00	8393635.891	321419.320	490.190	493.055	2.87	3.500	493.269	6.10	5.50	493.091	6.10
-5.500	492.528	-6.10	-3.50	492.950	-6.10	801	+	0.00	8393638.720	321399.522	490.368	493.163	2.80	3.500	493.377	6.10	5.50	493.199	6.10
-5.500	492.636	-6.10	-3.50	493.058	-6.10	802	+	0.00	8393640.666	321379.619	490.456	493.271	2.82	3.500	493.485	6.10	5.50	493.307	6.10
-5.500	492.744	-6.10	-3.50	493.166	-6.10	803	+	0.00	8393641.726	321359.649	490.503	493.379	2.88	3.500	493.593	6.10	5.50	493.415	6.10
-5.500	492.805	-6.10	-3.50	493.227	-6.10	803	+	11.36	8393641.933	321348.293	490.593	493.440	2.85	3.500	493.654	6.10	5.50	493.476	6.10
-5.500	492.900	-5.22	-3.50	493.304	-5.22	804	+	0.00	8393641.902	321339.651	490.687	493.487	2.80	3.500	493.670	5.22	5.50	493.474	5.22

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	493.075	-4.00	-3.50	493.455	-4.00	805	+	0.00	8393641.326	321319.660	490.936	493.595	2.66	3.500	493.707	3.19	5.50	493.470	3.19
-5.500	493.183	-4.00	-3.50	493.563	-4.00	806	+	0.00	8393640.286	321299.687	491.228	493.703	2.47	3.500	493.743	1.15	5.50	493.466	1.15
-5.500	493.244	-4.00	-3.50	493.624	-4.00	806	+	11.36	8393639.602	321288.350	491.424	493.764	2.34	3.500	493.764	0.00	5.50	493.464	0.00
-5.500	493.291	-4.00	-3.50	493.671	-4.00	807	+	0.00	8393639.074	321279.724	491.546	493.811	2.26	3.500	493.780	-0.88	5.50	493.463	-0.88
-5.500	493.399	-4.00	-3.50	493.779	-4.00	808	+	0.00	8393637.853	321259.762	491.882	493.919	2.04	3.500	493.817	-2.91	5.50	493.459	-2.91
-5.500	493.507	-4.00	-3.50	493.887	-4.00	809	+	0.00	8393636.632	321239.799	492.071	494.027	1.96	3.500	493.887	-4.00	5.50	493.507	-4.00
-5.500	493.615	-4.00	-3.50	493.995	-4.00	810	+	0.00	8393635.410	321219.836	492.130	494.135	2.01	3.500	493.995	-4.00	5.50	493.615	-4.00
-5.500	493.723	-4.00	-3.50	494.103	-4.00	811	+	0.00	8393634.189	321199.873	491.881	494.243	2.36	3.500	494.103	-4.00	5.50	493.723	-4.00
-5.500	493.831	-4.00	-3.50	494.211	-4.00	812	+	0.00	8393632.968	321179.911	491.617	494.351	2.73	3.500	494.211	-4.00	5.50	493.831	-4.00
-5.500	493.934	-4.00	-3.50	494.314	-4.00	813	+	0.00	8393631.747	321159.948	491.357	494.454	3.10	3.500	494.314	-4.00	5.50	493.934	-4.00
-5.500	494.000	-4.00	-3.50	494.380	-4.00	814	+	0.00	8393630.526	321139.985	491.162	494.520	3.36	3.500	494.380	-4.00	5.50	494.000	-4.00
-5.500	494.023	-4.00	-3.50	494.403	-4.00	815	+	0.00	8393629.305	321120.023	491.216	494.543	3.33	3.500	494.403	-4.00	5.50	494.023	-4.00
-5.500	494.005	-4.00	-3.50	494.385	-4.00	816	+	0.00	8393628.083	321100.060	491.186	494.525	3.34	3.500	494.385	-4.00	5.50	494.005	-4.00
-5.500	494.044	-2.19	-3.50	494.387	-2.19	817	+	0.00	8393626.862	321080.097	491.186	494.464	3.28	3.500	494.324	-4.00	5.50	493.944	-4.00
-5.500	494.052	-0.25	-3.50	494.357	-0.25	818	+	0.00	8393625.641	321060.135	491.077	494.366	3.29	3.500	494.226	-4.00	5.50	493.846	-4.00
-5.500	494.053	0.00	-3.50	494.353	0.00	818	+	2.63	8393625.481	321057.513	491.094	494.353	3.26	3.500	494.213	-4.00	5.50	493.833	-4.00
-5.500	494.056	1.68	-3.50	494.323	1.68	819	+	0.00	8393624.449	321040.170	491.243	494.264	3.02	3.500	494.124	-4.00	5.50	493.744	-4.00
-5.500	494.060	3.61	-3.50	494.287	3.61	820	+	0.00	8393623.488	321020.194	491.300	494.161	2.86	3.500	494.021	-4.00	5.50	493.641	-4.00
-5.500	494.063	5.55	-3.50	494.252	5.55	821	+	0.00	8393623.026	321000.20	491.541	494.058	2.52	3.500	493.864	-5.55	5.50	493.453	-5.55
-5.500	494.063	5.80	-3.50	494.247	5.80	821	+	2.63	8393623.016	320997.573	491.567	494.044	2.48	3.500	493.841	-5.80	5.50	493.425	-5.80
-5.500	493.974	5.80	-3.50	494.158	5.80	822	+	0.00	8393623.299	320980.203	491.618	493.955	2.34	3.500	493.752	-5.80	5.50	493.336	-5.80
-5.500	493.878	5.80	-3.50	494.062	5.80	822	+	18.69	8393624.254	320961.595	491.726	493.859	2.13	3.500	493.656	-5.80	5.50	493.240	-5.80
-5.500	493.871	5.80	-3.50	494.055	5.80	823	+	0.00	8393624.371	320960.233	491.723	493.852	2.13	3.500	493.649	-5.80	5.50	493.233	-5.80
-5.500	493.768	5.80	-3.50	493.952	5.80	824	+	0.00	8393626.241	320940.322	491.585	493.749	2.16	3.500	493.546	-5.80	5.50	493.130	-5.80
-5.500	493.692	5.80	-3.50	493.876	5.80	824	+	14.75	8393628.129	320925.698	491.346	493.673	2.33	3.500	493.470	-5.80	5.50	493.054	-5.80
-5.500	493.637	5.29	-3.50	493.831	5.29	825	+	0.00	8393628.905	320920.502	491.210	493.646	2.44	3.500	493.461	-5.29	5.50	493.055	-5.29
-5.500	493.429	3.36	-3.50	493.662	3.36	826	+	0.00	8393632.274	320900.788	490.942	493.544	2.60	3.500	493.404	-4.00	5.50	493.024	-4.00
-5.500	493.220	1.43	-3.50	493.491	1.43	827	+	0.00	8393636.097	320881.157	490.802	493.441	2.64	3.500	493.301	-4.00	5.50	492.921	-4.00
-5.500	493.065	0.00	-3.50	493.365	0.00	827	+	14.75	8393639.055	320866.710	490.749	493.365	2.62	3.500	493.225	-4.00	5.50	492.845	-4.00
-5.500	493.010	-0.51	-3.50	493.320	-0.51	828	+	0.00	8393640.115	320861.565	490.773	493.338	2.57	3.500	493.198	-4.00	5.50	492.818	-4.00
-5.500	492.801	-2.44	-3.50	493.150	-2.44	829	+	0.00	8393644.150	320841.976	490.742	493.235	2.49	3.500	493.095	-4.00	5.50	492.715	-4.00
-5.500	492.621	-4.00	-3.50	493.001	-4.00	830	+	0.00	8393648.185	320822.387	490.597	493.141	2.54	3.500	493.001	-4.00	5.50	492.621	-4.00
-5.500	492.585	-4.00	-3.50	492.965	-4.00	831	+	0.00	8393652.220	320802.799	490.450	493.105	2.66	3.500	492.965	-4.00	5.50	492.585	-4.00
-5.500	492.618	-4.00	-3.50	492.998	-4.00	832	+	0.00	8393656.255	320783.210	490.373	493.138	2.76	3.500	492.998	-4.00	5.50	492.618	-4.00
-5.500	492.718	-4.00	-3.50	493.098	-4.00	833	+	0.00	8393660.290	320763.621	490.478	493.238	2.76	3.500	493.098	-4.00	5.50	492.718	-4.00
-5.500	492.885	-4.00	-3.50	493.265	-4.00	834	+	0.00	8393664.325	320744.032	490.618	493.405	2.79	3.500	493.265	-4.00	5.50	492.885	-4.00
-5.500	493.121	-4.00	-3.50	493.501	-4.00	835	+	0.00	8393668.360	320724.444	491.080	493.641	2.56	3.500	493.501	-4.00	5.50	493.121	-4.00
-5.500	493.415	-4.00	-3.50	493.795	-4.00	836	+	0.00	8393672.395	320704.855	491.621	493.935	2.31	3.500	493.795	-4.00	5.50	493.415	-4.00
-5.500	493.718	-4.00	-3.50	494.098	-4.00	837	+	0.00	8393676.430	320685.266	492.116	494.238	2.12	3.500	494.098	-4.00	5.50	493.718	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	494.021	-4.00	-3.50	494.401	-4.00	838	+	0.00	8393680.465	320665.677	492.451	494.541	2.09	3.500	494.401	-4.00	5.50	494.021	-4.00
-5.500	494.324	-4.00	-3.50	494.704	-4.00	839	+	0.00	8393684.50	320646.089	492.961	494.844	1.88	3.500	494.704	-4.00	5.50	494.324	-4.00
-5.500	494.626	-4.00	-3.50	495.006	-4.00	840	+	0.00	8393688.535	320626.50	493.622	495.146	1.52	3.500	495.006	-4.00	5.50	494.626	-4.00
-5.500	494.929	-4.00	-3.50	495.309	-4.00	841	+	0.00	8393692.570	320606.911	493.998	495.449	1.45	3.500	495.309	-4.00	5.50	494.929	-4.00
-5.500	495.232	-4.00	-3.50	495.612	-4.00	842	+	0.00	8393696.605	320587.323	494.612	495.752	1.14	3.500	495.612	-4.00	5.50	495.232	-4.00
-5.500	495.535	-4.00	-3.50	495.915	-4.00	843	+	0.00	8393700.640	320567.734	495.111	496.055	0.94	3.500	495.915	-4.00	5.50	495.535	-4.00
-5.500	495.838	-4.00	-3.50	496.218	-4.00	844	+	0.00	8393704.675	320548.145	495.715	496.358	0.64	3.500	496.218	-4.00	5.50	495.838	-4.00
-5.500	496.141	-4.00	-3.50	496.521	-4.00	845	+	0.00	8393708.710	320528.556	496.216	496.661	0.44	3.500	496.521	-4.00	5.50	496.141	-4.00
-5.500	496.444	-4.00	-3.50	496.824	-4.00	846	+	0.00	8393712.745	320508.968	496.647	496.964	0.32	3.500	496.824	-4.00	5.50	496.444	-4.00
-5.500	496.746	-4.00	-3.50	497.126	-4.00	847	+	0.00	8393716.780	320489.379	497.028	497.266	0.24	3.500	497.126	-4.00	5.50	496.746	-4.00
-5.500	497.010	-4.00	-3.50	497.390	-4.00	848	+	0.00	8393720.815	320469.790	497.310	497.530	0.22	3.500	497.390	-4.00	5.50	497.010	-4.00
-5.500	497.196	-4.00	-3.50	497.576	-4.00	849	+	0.00	8393724.850	320450.201	497.181	497.716	0.54	3.500	497.576	-4.00	5.50	497.196	-4.00
-5.500	497.303	-4.00	-3.50	497.683	-4.00	850	+	0.00	8393728.885	320430.613	497.289	497.823	0.53	3.500	497.683	-4.00	5.50	497.303	-4.00
-5.500	497.332	-4.00	-3.50	497.712	-4.00	851	+	0.00	8393732.920	320411.024	496.830	497.852	1.02	3.500	497.712	-4.00	5.50	497.332	-4.00
-5.500	497.283	-4.00	-3.50	497.663	-4.00	852	+	0.00	8393736.955	320391.435	496.737	497.803	1.07	3.500	497.663	-4.00	5.50	497.283	-4.00
-5.500	497.155	-4.00	-3.50	497.535	-4.00	853	+	0.00	8393740.990	320371.846	496.708	497.675	0.97	3.500	497.535	-4.00	5.50	497.155	-4.00
-5.500	496.988	-4.00	-3.50	497.368	-4.00	854	+	0.00	8393745.025	320352.258	496.698	497.508	0.81	3.500	497.368	-4.00	5.50	496.988	-4.00
-5.500	496.822	-4.00	-3.50	497.202	-4.00	855	+	0.00	8393749.059	320332.669	496.610	497.342	0.73	3.500	497.202	-4.00	5.50	496.822	-4.00
-5.500	496.655	-4.00	-3.50	497.035	-4.00	856	+	0.00	8393753.094	320313.080	496.320	497.175	0.86	3.500	497.035	-4.00	5.50	496.655	-4.00
-5.500	496.488	-4.00	-3.50	496.868	-4.00	857	+	0.00	8393757.129	320293.491	495.997	497.008	1.01	3.500	496.868	-4.00	5.50	496.488	-4.00
-5.500	496.322	-4.00	-3.50	496.702	-4.00	858	+	0.00	8393761.164	320273.903	495.767	496.842	1.07	3.500	496.702	-4.00	5.50	496.322	-4.00
-5.500	496.155	-4.00	-3.50	496.535	-4.00	859	+	0.00	8393765.199	320254.314	495.577	496.675	1.10	3.500	496.535	-4.00	5.50	496.155	-4.00
-5.500	495.988	-4.00	-3.50	496.368	-4.00	860	+	0.00	8393769.234	320234.725	495.466	496.508	1.04	3.500	496.368	-4.00	5.50	495.988	-4.00
-5.500	495.822	-4.00	-3.50	496.202	-4.00	861	+	0.00	8393773.269	320215.136	495.218	496.342	1.12	3.500	496.202	-4.00	5.50	495.822	-4.00
-5.500	495.655	-4.00	-3.50	496.035	-4.00	862	+	0.00	8393777.304	320195.548	495.045	496.175	1.13	3.500	496.035	-4.00	5.50	495.655	-4.00
-5.500	495.488	-4.00	-3.50	495.868	-4.00	863	+	0.00	8393781.339	320175.959	494.907	496.008	1.10	3.500	495.868	-4.00	5.50	495.488	-4.00
-5.500	495.322	-4.00	-3.50	495.702	-4.00	864	+	0.00	8393785.374	320156.370	494.757	495.842	1.08	3.500	495.702	-4.00	5.50	495.322	-4.00
-5.500	495.155	-4.00	-3.50	495.535	-4.00	865	+	0.00	8393789.409	320136.781	494.541	495.675	1.13	3.500	495.535	-4.00	5.50	495.155	-4.00
-5.500	494.988	-4.00	-3.50	495.368	-4.00	866	+	0.00	8393793.444	320117.193	494.393	495.508	1.12	3.500	495.368	-4.00	5.50	494.988	-4.00
-5.500	494.822	-4.00	-3.50	495.202	-4.00	867	+	0.00	8393797.479	320097.604	494.179	495.342	1.16	3.500	495.202	-4.00	5.50	494.822	-4.00
-5.500	494.676	-3.61	-3.50	495.049	-3.61	868	+	0.00	8393801.514	320078.015	493.917	495.175	1.26	3.500	495.035	-4.00	5.50	494.655	-4.00
-5.500	494.558	-2.72	-3.50	494.913	-2.72	869	+	0.00	8393805.549	320058.426	493.531	495.008	1.48	3.500	494.868	-4.00	5.50	494.488	-4.00
-5.500	494.441	-1.83	-3.50	494.778	-1.83	870	+	0.00	8393809.584	320038.838	493.186	494.842	1.66	3.500	494.702	-4.00	5.50	494.322	-4.00
-5.500	494.323	-0.94	-3.50	494.642	-0.94	871	+	0.00	8393813.619	320019.249	492.803	494.675	1.87	3.500	494.535	-4.00	5.50	494.155	-4.00
-5.500	494.205	-0.05	-3.50	494.506	-0.05	872	+	0.00	8393817.654	319999.660	492.446	494.508	2.06	3.500	494.368	-4.00	5.50	493.988	-4.00
-5.500	494.198	0.00	-3.50	494.498	0.00	872	+	1.20	8393817.896	319998.488	492.425	494.498	2.07	3.500	494.358	-4.00	5.50	493.978	-4.00
-5.500	494.088	0.84	-3.50	494.371	0.84	873	+	0.00	8393821.704	319980.075	492.084	494.342	2.26	3.500	494.202	-4.00	5.50	493.822	-4.00
-5.500	493.970	1.72	-3.50	494.235	1.72	874	+	0.00	8393825.857	319960.510	491.721	494.175	2.45	3.500	494.035	-4.00	5.50	493.655	-4.00
-5.500	493.852	2.61	-3.50	494.099	2.61	875	+	0.00	8393830.219	319940.992	491.353	494.008	2.65	3.500	493.868	-4.00	5.50	493.488	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	493.735	3.50	-3.50	493.965	3.50	876	+	0.00	8393834.901	319921.548	491.121	493.842	2.72	3.500	493.702	-4.00	5.50	493.322	-4.00
-5.500	493.668	4.00	-3.50	493.888	4.00	876	+	11.20	8393837.70	319910.707	491.009	493.748	2.74	3.500	493.608	-4.00	5.50	493.228	-4.00
-5.500	493.595	4.00	-3.50	493.815	4.00	877	+	0.00	8393840.004	319902.211	490.923	493.675	2.75	3.500	493.535	-4.00	5.50	493.155	-4.00
-5.500	493.435	4.00	-3.50	493.655	4.00	878	+	0.00	8393845.587	319883.006	490.719	493.515	2.80	3.500	493.375	-4.00	5.50	492.995	-4.00
-5.500	493.322	4.00	-3.50	493.542	4.00	879	+	0.00	8393851.648	319863.947	490.633	493.402	2.77	3.500	493.262	-4.00	5.50	492.882	-4.00
-5.500	493.262	4.00	-3.50	493.482	4.00	880	+	0.00	8393858.184	319845.046	490.537	493.342	2.81	3.500	493.202	-4.00	5.50	492.822	-4.00
-5.500	493.252	4.00	-3.50	493.472	4.00	880	+	15.39	8393863.498	319830.675	490.362	493.332	2.97	3.500	493.192	-4.00	5.50	492.812	-4.00
-5.500	493.255	4.00	-3.50	493.475	4.00	881	+	0.00	8393865.189	319826.314	490.349	493.335	2.99	3.500	493.195	-4.00	5.50	492.815	-4.00
-5.500	493.302	4.00	-3.50	493.522	4.00	882	+	0.00	8393872.661	319807.762	490.280	493.382	3.10	3.500	493.242	-4.00	5.50	492.862	-4.00
-5.500	493.395	4.00	-3.50	493.615	4.00	883	+	0.00	8393880.595	319789.404	490.364	493.475	3.11	3.500	493.335	-4.00	5.50	492.955	-4.00
-5.500	493.495	4.00	-3.50	493.715	4.00	884	+	0.00	8393888.985	319771.249	490.425	493.575	3.15	3.500	493.435	-4.00	5.50	493.055	-4.00
-5.500	493.593	4.00	-3.50	493.813	4.00	884	+	19.58	8393897.634	319753.688	490.539	493.673	3.13	3.500	493.533	-4.00	5.50	493.153	-4.00
-5.500	493.594	3.98	-3.50	493.814	3.98	885	+	0.00	8393897.826	319753.310	490.545	493.675	3.13	3.500	493.535	-4.00	5.50	493.155	-4.00
-5.500	493.645	3.09	-3.50	493.883	3.09	886	+	0.00	8393907.095	319735.588	490.897	493.775	2.88	3.500	493.635	-4.00	5.50	493.255	-4.00
-5.500	493.696	2.20	-3.50	493.952	2.20	887	+	0.00	8393916.705	319718.048	491.059	493.875	2.82	3.500	493.735	-4.00	5.50	493.355	-4.00
-5.500	493.747	1.31	-3.50	494.021	1.31	888	+	0.00	8393926.556	319700.643	491.393	493.975	2.58	3.500	493.835	-4.00	5.50	493.455	-4.00
-5.500	493.799	0.43	-3.50	494.090	0.43	889	+	0.00	8393936.549	319683.319	491.609	494.075	2.47	3.500	493.935	-4.00	5.50	493.555	-4.00
-5.500	493.823	0.00	-3.50	494.123	0.00	889	+	9.58	8393941.357	319675.036	491.730	494.123	2.39	3.500	493.983	-4.00	5.50	493.603	-4.00
-5.500	493.850	-0.46	-3.50	494.159	-0.46	890	+	0.00	8393946.591	319666.022	491.869	494.175	2.31	3.500	494.035	-4.00	5.50	493.655	-4.00
-5.500	493.901	-1.35	-3.50	494.228	-1.35	891	+	0.00	8393956.635	319648.727	492.187	494.275	2.09	3.500	494.135	-4.00	5.50	493.755	-4.00
-5.500	493.952	-2.24	-3.50	494.297	-2.24	892	+	0.00	8393966.678	319631.432	492.413	494.375	1.96	3.500	494.235	-4.00	5.50	493.855	-4.00
-5.500	494.003	-3.13	-3.50	494.365	-3.13	893	+	0.00	8393976.722	319614.136	492.588	494.475	1.89	3.500	494.335	-4.00	5.50	493.955	-4.00
-5.500	494.055	-4.00	-3.50	494.435	-4.00	894	+	0.00	8393986.766	319596.841	492.868	494.575	1.71	3.500	494.435	-4.00	5.50	494.055	-4.00
-5.500	494.155	-4.00	-3.50	494.535	-4.00	895	+	0.00	8393996.809	319579.546	492.873	494.675	1.80	3.500	494.535	-4.00	5.50	494.155	-4.00
-5.500	494.255	-4.00	-3.50	494.635	-4.00	896	+	0.00	8394006.853	319562.251	492.970	494.775	1.80	3.500	494.635	-4.00	5.50	494.255	-4.00
-5.500	494.355	-4.00	-3.50	494.735	-4.00	897	+	0.00	8394016.896	319544.955	492.832	494.875	2.04	3.500	494.735	-4.00	5.50	494.355	-4.00
-5.500	494.448	-4.00	-3.50	494.828	-4.00	898	+	0.00	8394026.940	319527.660	492.673	494.968	2.30	3.500	494.828	-4.00	5.50	494.448	-4.00
-5.500	494.491	-4.00	-3.50	494.871	-4.00	899	+	0.00	8394036.984	319510.365	492.560	495.011	2.45	3.500	494.871	-4.00	5.50	494.491	-4.00
-5.500	494.476	-4.00	-3.50	494.856	-4.00	900	+	0.00	8394047.027	319493.070	492.416	494.996	2.58	3.500	494.856	-4.00	5.50	494.476	-4.00
-5.500	494.405	-4.00	-3.50	494.785	-4.00	901	+	0.00	8394057.071	319475.774	492.262	494.925	2.66	3.500	494.785	-4.00	5.50	494.405	-4.00
-5.500	494.276	-4.00	-3.50	494.656	-4.00	902	+	0.00	8394067.114	319458.479	492.029	494.796	2.77	3.500	494.656	-4.00	5.50	494.276	-4.00
-5.500	494.098	-4.00	-3.50	494.478	-4.00	903	+	0.00	8394077.158	319441.184	491.614	494.618	3.00	3.500	494.478	-4.00	5.50	494.098	-4.00
-5.500	493.912	-4.00	-3.50	494.292	-4.00	904	+	0.00	8394087.202	319423.889	491.427	494.432	3.01	3.500	494.292	-4.00	5.50	493.912	-4.00
-5.500	493.726	-4.00	-3.50	494.106	-4.00	905	+	0.00	8394097.245	319406.593	491.290	494.246	2.96	3.500	494.106	-4.00	5.50	493.726	-4.00
-5.500	493.541	-4.00	-3.50	493.921	-4.00	906	+	0.00	8394107.289	319389.298	491.071	494.061	2.99	3.500	493.921	-4.00	5.50	493.541	-4.00
-5.500	493.355	-4.00	-3.50	493.735	-4.00	907	+	0.00	8394117.332	319372.003	490.708	493.875	3.17	3.500	493.735	-4.00	5.50	493.355	-4.00
-5.500	493.169	-4.00	-3.50	493.549	-4.00	908	+	0.00	8394127.376	319354.707	490.277	493.689	3.41	3.500	493.549	-4.00	5.50	493.169	-4.00
-5.500	492.984	-4.00	-3.50	493.364	-4.00	909	+	0.00	8394137.419	319337.412	489.806	493.504	3.70	3.500	493.364	-4.00	5.50	492.984	-4.00
-5.500	492.798	-4.00	-3.50	493.178	-4.00	910	+	0.00	8394147.463	319320.117	489.448	493.318	3.87	3.500	493.178	-4.00	5.50	492.798	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	492.612	-4.00	-3.50	492.992	-4.00	911	+	0.00	8394157.507	319302.822	489.043	493.132	4.09	3.500	492.992	-4.00	5.50	492.612	-4.00
-5.500	492.426	-4.00	-3.50	492.806	-4.00	912	+	0.00	8394167.550	319285.526	488.753	492.946	4.19	3.500	492.806	-4.00	5.50	492.426	-4.00
-5.500	492.241	-4.00	-3.50	492.621	-4.00	913	+	0.00	8394177.594	319268.231	488.581	492.761	4.18	3.500	492.621	-4.00	5.50	492.241	-4.00
-5.500	492.055	-4.00	-3.50	492.435	-4.00	914	+	0.00	8394187.637	319250.936	488.501	492.575	4.07	3.500	492.435	-4.00	5.50	492.055	-4.00
-5.500	491.869	-4.00	-3.50	492.249	-4.00	915	+	0.00	8394197.681	319233.641	488.488	492.389	3.90	3.500	492.249	-4.00	5.50	491.869	-4.00
-5.500	491.684	-4.00	-3.50	492.064	-4.00	916	+	0.00	8394207.725	319216.345	488.497	492.204	3.71	3.500	492.064	-4.00	5.50	491.684	-4.00
-5.500	491.498	-4.00	-3.50	491.878	-4.00	917	+	0.00	8394217.768	319199.050	488.453	492.018	3.57	3.500	491.878	-4.00	5.50	491.498	-4.00
-5.500	491.312	-4.00	-3.50	491.692	-4.00	918	+	0.00	8394227.812	319181.755	488.218	491.832	3.61	3.500	491.692	-4.00	5.50	491.312	-4.00
-5.500	491.126	-4.00	-3.50	491.506	-4.00	919	+	0.00	8394237.855	319164.459	488.006	491.646	3.64	3.500	491.506	-4.00	5.50	491.126	-4.00
-5.500	490.941	-4.00	-3.50	491.321	-4.00	920	+	0.00	8394247.899	319147.164	487.885	491.461	3.58	3.500	491.321	-4.00	5.50	490.941	-4.00
-5.500	490.755	-4.00	-3.50	491.135	-4.00	921	+	0.00	8394257.943	319129.869	487.813	491.275	3.46	3.500	491.135	-4.00	5.50	490.755	-4.00
-5.500	490.569	-4.00	-3.50	490.949	-4.00	922	+	0.00	8394267.986	319112.574	487.701	491.089	3.39	3.500	490.949	-4.00	5.50	490.569	-4.00
-5.500	490.384	-4.00	-3.50	490.764	-4.00	923	+	0.00	8394278.030	319095.278	487.828	490.904	3.08	3.500	490.764	-4.00	5.50	490.384	-4.00
-5.500	490.198	-4.00	-3.50	490.578	-4.00	924	+	0.00	8394288.073	319077.983	487.923	490.718	2.80	3.500	490.578	-4.00	5.50	490.198	-4.00
-5.500	490.012	-4.00	-3.50	490.392	-4.00	925	+	0.00	8394298.117	319060.688	487.889	490.532	2.64	3.500	490.392	-4.00	5.50	490.012	-4.00
-5.500	489.826	-4.00	-3.50	490.206	-4.00	926	+	0.00	8394308.161	319043.393	487.835	490.346	2.51	3.500	490.206	-4.00	5.50	489.826	-4.00
-5.500	489.641	-4.00	-3.50	490.021	-4.00	927	+	0.00	8394318.204	319026.097	487.663	490.161	2.50	3.500	490.021	-4.00	5.50	489.641	-4.00
-5.500	489.455	-4.00	-3.50	489.835	-4.00	928	+	0.00	8394328.248	319008.802	487.330	489.975	2.65	3.500	489.835	-4.00	5.50	489.455	-4.00
-5.500	489.269	-4.00	-3.50	489.649	-4.00	929	+	0.00	8394338.291	318991.507	486.946	489.789	2.84	3.500	489.649	-4.00	5.50	489.269	-4.00
-5.500	489.084	-4.00	-3.50	489.464	-4.00	930	+	0.00	8394348.335	318974.212	486.626	489.604	2.98	3.500	489.464	-4.00	5.50	489.084	-4.00
-5.500	488.898	-4.00	-3.50	489.278	-4.00	931	+	0.00	8394358.378	318956.916	486.360	489.418	3.06	3.500	489.278	-4.00	5.50	488.898	-4.00
-5.500	488.712	-4.00	-3.50	489.092	-4.00	932	+	0.00	8394368.422	318939.621	486.002	489.232	3.23	3.500	489.092	-4.00	5.50	488.712	-4.00
-5.500	488.534	-4.00	-3.50	488.914	-4.00	933	+	0.00	8394378.466	318922.326	485.888	489.054	3.17	3.500	488.914	-4.00	5.50	488.534	-4.00
-5.500	488.405	-4.00	-3.50	488.785	-4.00	934	+	0.00	8394388.509	318905.030	485.732	488.925	3.19	3.500	488.785	-4.00	5.50	488.405	-4.00
-5.500	488.334	-4.00	-3.50	488.714	-4.00	935	+	0.00	8394398.553	318887.735	485.784	488.854	3.07	3.500	488.714	-4.00	5.50	488.334	-4.00
-5.500	488.319	-4.00	-3.50	488.699	-4.00	936	+	0.00	8394408.596	318870.440	485.919	488.839	2.92	3.500	488.699	-4.00	5.50	488.319	-4.00
-5.500	488.362	-4.00	-3.50	488.742	-4.00	937	+	0.00	8394418.640	318853.145	486.080	488.882	2.80	3.500	488.742	-4.00	5.50	488.362	-4.00
-5.500	488.455	-4.00	-3.50	488.835	-4.00	938	+	0.00	8394428.684	318835.849	486.240	488.975	2.74	3.500	488.835	-4.00	5.50	488.455	-4.00
-5.500	488.555	-4.00	-3.50	488.935	-4.00	939	+	0.00	8394438.727	318818.554	486.302	489.075	2.77	3.500	488.935	-4.00	5.50	488.555	-4.00
-5.500	488.655	-4.00	-3.50	489.035	-4.00	940	+	0.00	8394448.771	318801.259	486.156	489.175	3.02	3.500	489.035	-4.00	5.50	488.655	-4.00
-5.500	488.755	-4.00	-3.50	489.135	-4.00	941	+	0.00	8394458.814	318783.964	486.195	489.275	3.08	3.500	489.171	-2.97	5.50	488.812	-2.97
-5.500	488.855	-4.00	-3.50	489.235	-4.00	942	+	0.00	8394468.858	318766.668	486.300	489.375	3.07	3.500	489.367	-0.22	5.50	489.063	-0.22
-5.500	488.863	-4.00	-3.50	489.243	-4.00	942	+	1.59	8394469.658	318765.290	486.307	489.383	3.08	3.500	489.383	0.00	5.50	489.083	0.00
-5.500	488.955	-4.00	-3.50	489.335	-4.00	943	+	0.00	8394478.855	318749.346	486.312	489.475	3.16	3.500	489.564	2.53	5.50	489.314	2.53
-5.500	488.985	-5.28	-3.50	489.390	-5.28	944	+	0.00	8394488.517	318731.836	486.444	489.575	3.13	3.500	489.760	5.28	5.50	489.565	5.28
-5.500	488.960	-6.60	-3.50	489.392	-6.60	944	+	9.59	8394492.924	318723.314	486.411	489.623	3.21	3.500	489.854	6.60	5.50	489.686	6.60
-5.500	489.012	-6.60	-3.50	489.444	-6.60	945	+	0.00	8394497.480	318713.959	486.377	489.675	3.30	3.500	489.906	6.60	5.50	489.738	6.60
-5.500	489.056	-6.60	-3.50	489.488	-6.60	945	+	8.84	8394501.110	318705.954	486.359	489.719	3.36	3.500	489.950	6.60	5.50	489.782	6.60
-5.500	489.112	-6.60	-3.50	489.544	-6.60	946	+	0.00	8394505.544	318695.659	486.394	489.775	3.38	3.500	490.006	6.60	5.50	489.838	6.60

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	489.152	-6.60	-3.50	489.584	-6.60	946	+	8.09	8394508.545	318688.146	486.411	489.815	3.40	3.500	490.046	6.60	5.50	489.878	6.60
-5.500	489.302	-4.96	-3.50	489.701	-4.96	947	+	0.00	8394512.698	318676.984	486.402	489.875	3.47	3.500	490.049	4.96	5.50	489.848	4.96
-5.500	489.455	-4.00	-3.50	489.835	-4.00	948	+	0.00	8394519.150	318658.054	486.430	489.975	3.55	3.500	490.052	2.21	5.50	489.797	2.21
-5.500	489.535	-4.00	-3.50	489.915	-4.00	948	+	16.09	8394524.091	318642.741	486.492	490.055	3.56	3.500	490.055	0.00	5.50	489.755	0.00
-5.500	489.555	-4.00	-3.50	489.935	-4.00	949	+	0.00	8394525.283	318639.018	486.493	490.075	3.58	3.500	490.056	-0.54	5.50	489.745	-0.54
-5.500	489.655	-4.00	-3.50	490.035	-4.00	950	+	0.00	8394531.382	318619.970	486.462	490.175	3.71	3.500	490.060	-3.29	5.50	489.694	-3.29
-5.500	489.755	-4.00	-3.50	490.135	-4.00	951	+	0.00	8394537.481	318600.923	486.294	490.275	3.98	3.500	490.135	-4.00	5.50	489.755	-4.00
-5.500	489.855	-4.00	-3.50	490.235	-4.00	952	+	0.00	8394543.580	318581.875	486.185	490.375	4.19	3.500	490.235	-4.00	5.50	489.855	-4.00
-5.500	489.955	-4.00	-3.50	490.335	-4.00	953	+	0.00	8394549.679	318562.828	486.052	490.475	4.42	3.500	490.335	-4.00	5.50	489.955	-4.00
-5.500	490.055	-4.00	-3.50	490.435	-4.00	954	+	0.00	8394555.777	318543.781	485.995	490.575	4.58	3.500	490.435	-4.00	5.50	490.055	-4.00
-5.500	490.155	-4.00	-3.50	490.535	-4.00	955	+	0.00	8394561.876	318524.733	485.932	490.675	4.74	3.500	490.535	-4.00	5.50	490.155	-4.00
-5.500	490.255	-4.00	-3.50	490.635	-4.00	956	+	0.00	8394567.975	318505.686	485.821	490.775	4.95	3.500	490.635	-4.00	5.50	490.255	-4.00
-5.500	490.355	-4.00	-3.50	490.735	-4.00	957	+	0.00	8394574.074	318486.638	485.883	490.875	4.99	3.500	490.735	-4.00	5.50	490.355	-4.00
-5.500	490.455	-4.00	-3.50	490.835	-4.00	958	+	0.00	8394580.173	318467.591	485.875	490.975	5.10	3.500	490.835	-4.00	5.50	490.455	-4.00
-5.500	490.555	-4.00	-3.50	490.935	-4.00	959	+	0.00	8394586.272	318448.543	485.832	491.075	5.24	3.500	490.935	-4.00	5.50	490.555	-4.00
-5.500	490.655	-4.00	-3.50	491.035	-4.00	960	+	0.00	8394592.370	318429.496	485.956	491.175	5.22	3.500	491.035	-4.00	5.50	490.655	-4.00
-5.500	490.755	-4.00	-3.50	491.135	-4.00	961	+	0.00	8394598.469	318410.449	485.885	491.275	5.39	3.500	491.135	-4.00	5.50	490.755	-4.00
-5.500	490.855	-4.00	-3.50	491.235	-4.00	962	+	0.00	8394604.568	318391.401	485.956	491.375	5.42	3.500	491.235	-4.00	5.50	490.855	-4.00
-5.500	490.948	-4.00	-3.50	491.328	-4.00	963	+	0.00	8394610.667	318372.354	485.916	491.468	5.55	3.500	491.328	-4.00	5.50	490.948	-4.00
-5.500	490.994	-4.00	-3.50	491.374	-4.00	964	+	0.00	8394616.766	318353.306	485.886	491.514	5.63	3.500	491.374	-4.00	5.50	490.994	-4.00
-5.500	490.984	-4.00	-3.50	491.364	-4.00	965	+	0.00	8394622.865	318334.259	485.758	491.504	5.75	3.500	491.364	-4.00	5.50	490.984	-4.00
-5.500	490.920	-4.00	-3.50	491.300	-4.00	966	+	0.00	8394628.963	318315.211	485.772	491.440	5.67	3.500	491.300	-4.00	5.50	490.920	-4.00
-5.500	490.802	-4.00	-3.50	491.182	-4.00	967	+	0.00	8394635.062	318296.164	485.739	491.322	5.58	3.500	491.182	-4.00	5.50	490.802	-4.00
-5.500	490.635	-4.00	-3.50	491.015	-4.00	968	+	0.00	8394641.161	318277.117	485.646	491.155	5.51	3.500	491.015	-4.00	5.50	490.635	-4.00
-5.500	490.462	-4.00	-3.50	490.842	-4.00	969	+	0.00	8394647.260	318258.069	485.692	490.982	5.29	3.500	490.842	-4.00	5.50	490.462	-4.00
-5.500	490.288	-4.00	-3.50	490.668	-4.00	970	+	0.00	8394653.359	318239.022	485.773	490.808	5.03	3.500	490.668	-4.00	5.50	490.288	-4.00
-5.500	490.115	-4.00	-3.50	490.495	-4.00	971	+	0.00	8394659.457	318219.974	485.785	490.635	4.85	3.500	490.495	-4.00	5.50	490.115	-4.00
-5.500	489.942	-4.00	-3.50	490.322	-4.00	972	+	0.00	8394665.556	318200.927	485.868	490.462	4.59	3.500	490.322	-4.00	5.50	489.942	-4.00
-5.500	489.768	-4.00	-3.50	490.148	-4.00	973	+	0.00	8394671.655	318181.880	485.916	490.288	4.37	3.500	490.148	-4.00	5.50	489.768	-4.00
-5.500	489.595	-4.00	-3.50	489.975	-4.00	974	+	0.00	8394677.754	318162.832	486.052	490.115	4.06	3.500	490.025	-2.58	5.50	489.673	-2.58
-5.500	489.432	-4.00	-3.50	489.812	-4.00	974	+	18.75	8394683.472	318144.973	486.097	489.952	3.86	3.500	489.952	0.00	5.50	489.652	0.00
-5.500	489.422	-4.00	-3.50	489.802	-4.00	975	+	0.00	8394683.853	318143.785	486.098	489.942	3.84	3.500	489.948	0.17	5.50	489.651	0.17
-5.500	489.248	-4.00	-3.50	489.628	-4.00	976	+	0.00	8394689.872	318124.712	486.094	489.768	3.67	3.500	489.870	2.92	5.50	489.629	2.92
-5.500	488.983	-5.67	-3.50	489.397	-5.67	977	+	0.00	8394695.468	318105.512	485.800	489.595	3.80	3.500	489.793	5.67	5.50	489.607	5.67
-5.500	488.873	-6.60	-3.50	489.305	-6.60	977	+	6.75	8394697.190	318098.983	485.752	489.536	3.78	3.500	489.767	6.60	5.50	489.599	6.60
-5.500	488.759	-6.60	-3.50	489.191	-6.60	978	+	0.00	8394700.253	318086.095	485.615	489.422	3.81	3.500	489.653	6.60	5.50	489.485	6.60
-5.500	488.715	-6.60	-3.50	489.147	-6.60	978	+	5.03	8394701.286	318081.20	485.626	489.378	3.75	3.500	489.609	6.60	5.50	489.441	6.60
-5.500	488.585	-6.60	-3.50	489.017	-6.60	979	+	0.00	8394704.064	318066.463	485.508	489.248	3.74	3.500	489.479	6.60	5.50	489.311	6.60
-5.500	488.557	-6.60	-3.50	488.989	-6.60	979	+	3.31	8394704.599	318063.202	485.504	489.220	3.72	3.500	489.451	6.60	5.50	489.283	6.60

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	488.539	-4.30	-3.50	488.925	-4.30	980	+	0.00	8394706.930	318046.671	485.585	489.075	3.49	3.500	489.226	4.30	5.50	489.012	4.30
-5.500	488.382	-4.00	-3.50	488.762	-4.00	981	+	0.00	8394709.149	318026.795	485.536	488.902	3.37	3.500	488.956	1.55	5.50	488.687	1.55
-5.500	488.284	-4.00	-3.50	488.664	-4.00	981	+	11.31	8394710.273	318015.546	485.490	488.804	3.31	3.500	488.804	0.00	5.50	488.504	0.00
-5.500	488.208	-4.00	-3.50	488.588	-4.00	982	+	0.00	8394711.128	318006.893	485.448	488.728	3.28	3.500	488.686	-1.20	5.50	488.362	-1.20
-5.500	488.035	-4.00	-3.50	488.415	-4.00	983	+	0.00	8394713.095	317986.990	485.231	488.555	3.32	3.500	488.417	-3.95	5.50	488.038	-3.95
-5.500	487.862	-4.00	-3.50	488.242	-4.00	984	+	0.00	8394715.061	317967.087	484.892	488.382	3.49	3.500	488.242	-4.00	5.50	487.862	-4.00
-5.500	487.688	-4.00	-3.50	488.068	-4.00	985	+	0.00	8394717.028	317947.184	484.648	488.208	3.56	3.500	488.068	-4.00	5.50	487.688	-4.00
-5.500	487.515	-4.00	-3.50	487.895	-4.00	986	+	0.00	8394718.995	317927.281	484.481	488.035	3.55	3.500	487.895	-4.00	5.50	487.515	-4.00
-5.500	487.342	-4.00	-3.50	487.722	-4.00	987	+	0.00	8394720.962	317907.378	484.448	487.862	3.41	3.500	487.722	-4.00	5.50	487.342	-4.00
-5.500	487.168	-4.00	-3.50	487.548	-4.00	988	+	0.00	8394722.928	317887.475	484.380	487.688	3.31	3.500	487.548	-4.00	5.50	487.168	-4.00
-5.500	486.995	-4.00	-3.50	487.375	-4.00	989	+	0.00	8394724.895	317867.572	484.359	487.515	3.16	3.500	487.375	-4.00	5.50	486.995	-4.00
-5.500	486.822	-4.00	-3.50	487.202	-4.00	990	+	0.00	8394726.862	317847.669	484.423	487.342	2.92	3.500	487.202	-4.00	5.50	486.822	-4.00
-5.500	486.648	-4.00	-3.50	487.028	-4.00	991	+	0.00	8394728.828	317827.766	484.515	487.168	2.65	3.500	487.028	-4.00	5.50	486.648	-4.00
-5.500	486.475	-4.00	-3.50	486.855	-4.00	992	+	0.00	8394730.795	317807.863	484.602	486.995	2.39	3.500	486.855	-4.00	5.50	486.475	-4.00
-5.500	486.309	-4.00	-3.50	486.689	-4.00	993	+	0.00	8394732.762	317787.960	484.517	486.829	2.31	3.500	486.689	-4.00	5.50	486.309	-4.00
-5.500	486.192	-4.00	-3.50	486.572	-4.00	994	+	0.00	8394734.729	317768.057	484.259	486.712	2.45	3.500	486.572	-4.00	5.50	486.192	-4.00
-5.500	486.132	-4.00	-3.50	486.512	-4.00	995	+	0.00	8394736.695	317748.154	484.194	486.652	2.46	3.500	486.512	-4.00	5.50	486.132	-4.00
-5.500	486.129	-4.00	-3.50	486.509	-4.00	996	+	0.00	8394738.662	317728.250	484.025	486.649	2.62	3.500	486.509	-4.00	5.50	486.129	-4.00
-5.500	486.182	-4.00	-3.50	486.562	-4.00	997	+	0.00	8394740.629	317708.347	483.959	486.702	2.74	3.500	486.562	-4.00	5.50	486.182	-4.00
-5.500	486.285	-4.00	-3.50	486.665	-4.00	998	+	0.00	8394742.595	317688.444	484.031	486.805	2.77	3.500	486.665	-4.00	5.50	486.285	-4.00
-5.500	486.395	-4.00	-3.50	486.775	-4.00	999	+	0.00	8394744.562	317668.541	484.102	486.915	2.81	3.500	486.775	-4.00	5.50	486.395	-4.00
-5.500	486.505	-4.00	-3.50	486.885	-4.00	1000	+	0.00	8394746.529	317648.638	484.239	487.025	2.79	3.500	486.885	-4.00	5.50	486.505	-4.00
-5.500	486.615	-4.00	-3.50	486.995	-4.00	1001	+	0.00	8394748.496	317628.735	484.413	487.135	2.72	3.500	486.995	-4.00	5.50	486.615	-4.00
-5.500	486.725	-4.00	-3.50	487.105	-4.00	1002	+	0.00	8394750.462	317608.832	484.501	487.245	2.74	3.500	487.105	-4.00	5.50	486.725	-4.00
-5.500	486.835	-4.00	-3.50	487.215	-4.00	1003	+	0.00	8394752.429	317588.929	484.705	487.355	2.65	3.500	487.215	-4.00	5.50	486.835	-4.00
-5.500	486.945	-4.00	-3.50	487.325	-4.00	1004	+	0.00	8394754.396	317569.026	484.956	487.465	2.51	3.500	487.325	-4.00	5.50	486.945	-4.00
-5.500	487.055	-4.00	-3.50	487.435	-4.00	1005	+	0.00	8394756.362	317549.123	485.153	487.575	2.42	3.500	487.435	-4.00	5.50	487.055	-4.00
-5.500	487.165	-4.00	-3.50	487.545	-4.00	1006	+	0.00	8394758.329	317529.220	485.361	487.685	2.32	3.500	487.545	-4.00	5.50	487.165	-4.00
-5.500	487.275	-4.00	-3.50	487.655	-4.00	1007	+	0.00	8394760.296	317509.317	485.605	487.795	2.19	3.500	487.655	-4.00	5.50	487.275	-4.00
-5.500	487.385	-4.00	-3.50	487.765	-4.00	1008	+	0.00	8394762.263	317489.414	485.592	487.905	2.31	3.500	487.765	-4.00	5.50	487.385	-4.00
-5.500	487.495	-4.00	-3.50	487.875	-4.00	1009	+	0.00	8394764.229	317469.511	485.571	488.015	2.44	3.500	487.875	-4.00	5.50	487.495	-4.00
-5.500	487.605	-4.00	-3.50	487.985	-4.00	1010	+	0.00	8394766.196	317449.608	485.655	488.125	2.47	3.500	488.076	-1.41	5.50	487.747	-1.41
-5.500	487.661	-4.00	-3.50	488.041	-4.00	1010	+	10.26	8394767.205	317439.393	485.705	488.181	2.48	3.500	488.181	0.00	5.50	487.881	0.00
-5.500	487.715	-4.00	-3.50	488.095	-4.00	1011	+	0.00	8394768.155	317429.704	485.687	488.235	2.55	3.500	488.282	1.34	5.50	488.009	1.34
-5.500	487.820	-4.09	-3.50	488.202	-4.09	1012	+	0.00	8394769.902	317409.781	485.862	488.345	2.48	3.500	488.488	4.09	5.50	488.270	4.09
-5.500	487.779	-6.60	-3.50	488.211	-6.60	1012	+	18.26	8394770.969	317391.548	485.923	488.442	2.52	3.500	488.673	6.60	5.50	488.505	6.60
-5.500	487.787	-6.60	-3.50	488.219	-6.60	1013	+	0.00	8394771.032	317389.814	485.918	488.450	2.53	3.500	488.681	6.60	5.50	488.513	6.60
-5.500	487.824	-6.60	-3.50	488.256	-6.60	1013	+	9.30	8394771.220	317380.499	485.851	488.487	2.64	3.500	488.718	6.60	5.50	488.550	6.60
-5.500	487.855	-6.60	-3.50	488.287	-6.60	1014	+	0.00	8394771.215	317369.817	485.806	488.518	2.71	3.500	488.749	6.60	5.50	488.581	6.60

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	487.856	-6.60	-3.50	488.288	-6.60	1014	+	0.34	8394771.209	317369.475	485.808	488.519	2.71	3.500	488.750	6.60	5.50	488.582	6.60
-5.500	488.024	-4.00	-3.50	488.404	-4.00	1015	+	0.00	8394770.464	317349.832	485.588	488.544	2.96	3.500	488.681	3.90	5.50	488.459	3.90
-5.500	488.008	-4.00	-3.50	488.388	-4.00	1016	+	0.00	8394769.124	317329.878	485.372	488.528	3.16	3.500	488.568	1.15	5.50	488.291	1.15
-5.500	487.989	-4.00	-3.50	488.369	-4.00	1016	+	8.34	8394768.489	317321.560	485.298	488.509	3.21	3.500	488.509	0.00	5.50	488.209	0.00
-5.500	487.950	-4.00	-3.50	488.330	-4.00	1017	+	0.00	8394767.596	317309.936	485.214	488.470	3.26	3.500	488.414	-1.60	5.50	488.082	-1.60
-5.500	487.855	-4.00	-3.50	488.235	-4.00	1018	+	0.00	8394766.064	317289.995	485.037	488.375	3.34	3.500	488.235	-4.00	5.50	487.855	-4.00
-5.500	487.755	-4.00	-3.50	488.135	-4.00	1019	+	0.00	8394764.531	317270.054	484.939	488.275	3.34	3.500	488.135	-4.00	5.50	487.755	-4.00
-5.500	487.655	-4.00	-3.50	488.035	-4.00	1020	+	0.00	8394762.999	317250.112	484.770	488.175	3.41	3.500	488.035	-4.00	5.50	487.655	-4.00
-5.500	487.555	-4.00	-3.50	487.935	-4.00	1021	+	0.00	8394761.466	317230.171	484.631	488.075	3.44	3.500	487.935	-4.00	5.50	487.555	-4.00
-5.500	487.455	-4.00	-3.50	487.835	-4.00	1022	+	0.00	8394759.934	317210.230	484.579	487.975	3.40	3.500	487.835	-4.00	5.50	487.455	-4.00
-5.500	487.355	-4.00	-3.50	487.735	-4.00	1023	+	0.00	8394758.401	317190.289	484.486	487.875	3.39	3.500	487.735	-4.00	5.50	487.355	-4.00
-5.500	487.255	-4.00	-3.50	487.635	-4.00	1024	+	0.00	8394756.869	317170.348	484.214	487.775	3.56	3.500	487.635	-4.00	5.50	487.255	-4.00
-5.500	487.155	-4.00	-3.50	487.535	-4.00	1025	+	0.00	8394755.336	317150.406	483.957	487.675	3.72	3.500	487.535	-4.00	5.50	487.155	-4.00
-5.500	487.055	-4.00	-3.50	487.435	-4.00	1026	+	0.00	8394753.804	317130.465	483.737	487.575	3.84	3.500	487.435	-4.00	5.50	487.055	-4.00
-5.500	486.955	-4.00	-3.50	487.335	-4.00	1027	+	0.00	8394752.271	317110.524	483.552	487.475	3.92	3.500	487.335	-4.00	5.50	486.955	-4.00
-5.500	486.855	-4.00	-3.50	487.235	-4.00	1028	+	0.00	8394750.739	317090.583	483.318	487.375	4.06	3.500	487.235	-4.00	5.50	486.855	-4.00
-5.500	486.755	-4.00	-3.50	487.135	-4.00	1029	+	0.00	8394749.206	317070.642	483.127	487.275	4.15	3.500	487.135	-4.00	5.50	486.755	-4.00
-5.500	486.655	-4.00	-3.50	487.035	-4.00	1030	+	0.00	8394747.674	317050.70	483.031	487.175	4.14	3.500	487.035	-4.00	5.50	486.655	-4.00
-5.500	486.555	-4.00	-3.50	486.935	-4.00	1031	+	0.00	8394746.141	317030.759	482.996	487.075	4.08	3.500	486.935	-4.00	5.50	486.555	-4.00
-5.500	486.455	-4.00	-3.50	486.835	-4.00	1032	+	0.00	8394744.609	317010.818	482.979	486.975	4.00	3.500	486.835	-4.00	5.50	486.455	-4.00
-5.500	486.355	-4.00	-3.50	486.735	-4.00	1033	+	0.00	8394743.076	316990.877	482.835	486.875	4.04	3.500	486.735	-4.00	5.50	486.355	-4.00
-5.500	486.255	-4.00	-3.50	486.635	-4.00	1034	+	0.00	8394741.544	316970.935	482.866	486.775	3.91	3.500	486.635	-4.00	5.50	486.255	-4.00
-5.500	486.155	-4.00	-3.50	486.535	-4.00	1035	+	0.00	8394740.011	316950.994	483.089	486.675	3.59	3.500	486.535	-4.00	5.50	486.155	-4.00
-5.500	486.070	-4.00	-3.50	486.450	-4.00	1035	+	16.99	8394738.709	316934.051	483.392	486.590	3.20	3.500	486.450	-4.00	5.50	486.070	-4.00
-5.500	486.055	-4.00	-3.50	486.435	-4.00	1036	+	0.00	8394738.478	316931.053	483.454	486.575	3.12	3.500	486.435	-4.00	5.50	486.055	-4.00
-5.500	485.955	-4.00	-3.50	486.335	-4.00	1037	+	0.00	8394736.865	316911.118	483.834	486.475	2.64	3.500	486.335	-4.00	5.50	485.955	-4.00
-5.500	485.855	-4.00	-3.50	486.235	-4.00	1038	+	0.00	8394735.130	316891.194	484.133	486.375	2.24	3.500	486.235	-4.00	5.50	485.855	-4.00
-5.500	485.755	-4.00	-3.50	486.135	-4.00	1039	+	0.00	8394733.273	316871.280	484.359	486.275	1.92	3.500	486.135	-4.00	5.50	485.755	-4.00
-5.500	485.655	-4.00	-3.50	486.035	-4.00	1040	+	0.00	8394731.293	316851.379	484.568	486.175	1.61	3.500	486.035	-4.00	5.50	485.655	-4.00
-5.500	485.555	-4.00	-3.50	485.935	-4.00	1041	+	0.00	8394729.190	316831.489	484.817	486.075	1.26	3.500	485.935	-4.00	5.50	485.555	-4.00
-5.500	485.455	-4.00	-3.50	485.835	-4.00	1042	+	0.00	8394726.966	316811.614	484.959	485.975	1.02	3.500	485.835	-4.00	5.50	485.455	-4.00
-5.500	485.369	-4.00	-3.50	485.749	-4.00	1042	+	16.29	8394725.065	316795.475	484.800	485.889	1.09	3.500	485.749	-4.00	5.50	485.369	-4.00
-5.500	485.345	-4.00	-3.50	485.725	-4.00	1043	+	0.00	8394724.619	316791.752	484.728	485.865	1.14	3.500	485.725	-4.00	5.50	485.345	-4.00
-5.500	485.161	-4.00	-3.50	485.541	-4.00	1044	+	0.00	8394722.149	316771.905	484.506	485.681	1.18	3.500	485.541	-4.00	5.50	485.161	-4.00
-5.500	484.893	-4.00	-3.50	485.273	-4.00	1045	+	0.00	8394719.558	316752.073	483.985	485.413	1.43	3.500	485.273	-4.00	5.50	484.893	-4.00
-5.500	484.541	-4.00	-3.50	484.921	-4.00	1046	+	0.00	8394716.845	316732.258	483.224	485.061	1.84	3.500	484.921	-4.00	5.50	484.541	-4.00
-5.500	484.105	-4.00	-3.50	484.485	-4.00	1047	+	0.00	8394714.010	316712.460	482.472	484.625	2.15	3.500	484.485	-4.00	5.50	484.105	-4.00
-5.500	483.595	-4.00	-3.50	483.975	-4.00	1048	+	0.00	8394711.053	316692.680	481.774	484.115	2.34	3.500	483.975	-4.00	5.50	483.595	-4.00
-5.500	483.075	-4.00	-3.50	483.455	-4.00	1049	+	0.00	8394707.974	316672.919	480.862	483.595	2.73	3.500	483.455	-4.00	5.50	483.075	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	482.670	-4.00	-3.50	483.050	-4.00	1049	+	15.58	8394705.492	316657.542	480.253	483.190	2.94	3.500	483.050	-4.00	5.50	482.670	-4.00
-5.500	482.555	-4.00	-3.50	482.935	-4.00	1050	+	0.00	8394704.777	316653.176	480.009	483.075	3.07	3.500	482.935	-4.00	5.50	482.555	-4.00
-5.500	482.035	-4.00	-3.50	482.415	-4.00	1051	+	0.00	8394701.543	316633.439	479.258	482.555	3.30	3.500	482.415	-4.00	5.50	482.035	-4.00
-5.500	481.515	-4.00	-3.50	481.895	-4.00	1052	+	0.00	8394698.309	316613.702	478.605	482.035	3.43	3.500	481.895	-4.00	5.50	481.515	-4.00
-5.500	480.995	-4.00	-3.50	481.375	-4.00	1053	+	0.00	8394695.074	316593.965	478.074	481.515	3.44	3.500	481.375	-4.00	5.50	480.995	-4.00
-5.500	480.478	-4.00	-3.50	480.858	-4.00	1054	+	0.00	8394691.840	316574.229	477.548	480.998	3.45	3.500	480.858	-4.00	5.50	480.478	-4.00
-5.500	480.020	-4.00	-3.50	480.400	-4.00	1055	+	0.00	8394688.606	316554.492	477.235	480.540	3.31	3.500	480.400	-4.00	5.50	480.020	-4.00
-5.500	479.644	-4.00	-3.50	480.024	-4.00	1056	+	0.00	8394685.372	316534.755	476.994	480.164	3.17	3.500	480.024	-4.00	5.50	479.644	-4.00
-5.500	479.351	-4.00	-3.50	479.731	-4.00	1057	+	0.00	8394682.138	316515.018	476.772	479.871	3.10	3.500	479.731	-4.00	5.50	479.351	-4.00
-5.500	479.141	-4.00	-3.50	479.521	-4.00	1058	+	0.00	8394678.904	316495.282	476.446	479.661	3.21	3.500	479.521	-4.00	5.50	479.141	-4.00
-5.500	479.013	-4.00	-3.50	479.393	-4.00	1059	+	0.00	8394675.670	316475.545	476.359	479.533	3.17	3.500	479.393	-4.00	5.50	479.013	-4.00
-5.500	478.968	-4.00	-3.50	479.348	-4.00	1060	+	0.00	8394672.436	316455.808	476.659	479.488	2.83	3.500	479.348	-4.00	5.50	478.968	-4.00
-5.500	479.006	-4.00	-3.50	479.386	-4.00	1061	+	0.00	8394669.202	316436.071	476.708	479.526	2.82	3.500	479.386	-4.00	5.50	479.006	-4.00
-5.500	479.102	-4.00	-3.50	479.482	-4.00	1062	+	0.00	8394665.968	316416.334	477.187	479.622	2.44	3.500	479.482	-4.00	5.50	479.102	-4.00
-5.500	479.202	-4.00	-3.50	479.582	-4.00	1063	+	0.00	8394662.734	316396.598	477.540	479.722	2.18	3.500	479.582	-4.00	5.50	479.202	-4.00
-5.500	479.301	-4.00	-3.50	479.681	-4.00	1064	+	0.00	8394659.50	316376.861	477.709	479.821	2.11	3.500	479.681	-4.00	5.50	479.301	-4.00
-5.500	479.401	-4.00	-3.50	479.781	-4.00	1065	+	0.00	8394656.266	316357.124	477.760	479.921	2.16	3.500	479.781	-4.00	5.50	479.401	-4.00
-5.500	479.515	-3.73	-3.50	479.889	-3.73	1066	+	0.00	8394653.032	316337.387	477.903	480.020	2.12	3.500	479.880	-4.00	5.50	479.500	-4.00
-5.500	479.740	-1.46	-3.50	480.069	-1.46	1067	+	0.00	8394649.797	316317.650	478.224	480.120	1.90	3.500	479.980	-4.00	5.50	479.600	-4.00
-5.500	479.883	0.00	-3.50	480.183	0.00	1067	+	12.81	8394647.727	316305.013	478.507	480.183	1.68	3.500	480.043	-4.00	5.50	479.663	-4.00
-5.500	479.964	0.82	-3.50	480.248	0.82	1068	+	0.00	8394646.566	316297.913	478.644	480.219	1.57	3.500	480.079	-4.00	5.50	479.699	-4.00
-5.500	480.188	3.09	-3.50	480.426	3.09	1069	+	0.00	8394643.472	316278.154	479.021	480.318	1.30	3.500	480.178	-4.00	5.50	479.798	-4.00
-5.500	480.413	5.37	-3.50	480.606	5.37	1070	+	0.00	8394640.842	316258.329	479.527	480.418	0.89	3.500	480.230	-5.37	5.50	479.823	-5.37
-5.500	480.535	6.60	-3.50	480.703	6.60	1070	+	10.81	8394639.735	316247.579	479.732	480.472	0.74	3.500	480.241	-6.60	5.50	479.809	-6.60
-5.500	480.580	6.60	-3.50	480.748	6.60	1071	+	0.00	8394639.015	316238.414	479.839	480.517	0.68	3.500	480.286	-6.60	5.50	479.854	-6.60
-5.500	480.680	6.60	-3.50	480.848	6.60	1072	+	0.00	8394638.177	316218.434	479.895	480.617	0.72	3.500	480.386	-6.60	5.50	479.954	-6.60
-5.500	480.779	6.60	-3.50	480.947	6.60	1073	+	0.00	8394638.338	316198.437	479.516	480.716	1.20	3.500	480.485	-6.60	5.50	480.053	-6.60
-5.500	480.879	6.60	-3.50	481.047	6.60	1074	+	0.00	8394639.499	316178.472	479.106	480.816	1.71	3.500	480.585	-6.60	5.50	480.153	-6.60
-5.500	480.884	6.60	-3.50	481.052	6.60	1074	+	1.17	8394639.611	316177.326	479.103	480.821	1.72	3.500	480.590	-6.60	5.50	480.158	-6.60
-5.500	480.978	6.60	-3.50	481.146	6.60	1075	+	0.00	8394641.656	316158.591	479.054	480.915	1.86	3.500	480.684	-6.60	5.50	480.252	-6.60
-5.500	481.077	6.60	-3.50	481.245	6.60	1076	+	0.00	8394644.804	316138.843	479.193	481.014	1.82	3.500	480.783	-6.60	5.50	480.351	-6.60
-5.500	481.177	6.60	-3.50	481.345	6.60	1077	+	0.00	8394648.935	316119.276	479.483	481.114	1.63	3.500	480.883	-6.60	5.50	480.451	-6.60
-5.500	481.234	6.60	-3.50	481.402	6.60	1077	+	11.53	8394651.758	316108.101	479.626	481.171	1.55	3.500	480.940	-6.60	5.50	480.508	-6.60
-5.500	481.223	5.64	-3.50	481.410	5.64	1078	+	0.00	8394654.034	316099.939	479.801	481.213	1.41	3.500	481.016	-5.64	5.50	480.603	-5.64
-5.500	481.198	3.36	-3.50	481.431	3.36	1079	+	0.00	8394659.944	316080.833	480.191	481.313	1.12	3.500	481.173	-4.00	5.50	480.793	-4.00
-5.500	481.171	1.08	-3.50	481.450	1.08	1080	+	0.00	8394666.339	316061.883	480.588	481.412	0.82	3.500	481.272	-4.00	5.50	480.892	-4.00
-5.500	481.160	0.00	-3.50	481.460	0.00	1080	+	9.53	8394669.459	316052.883	480.710	481.460	0.75	3.500	481.320	-4.00	5.50	480.940	-4.00
-5.500	481.147	-1.19	-3.50	481.470	-1.19	1081	+	0.00	8394672.896	316042.989	480.907	481.512	0.61	3.500	481.372	-4.00	5.50	480.992	-4.00
-5.500	481.120	-3.47	-3.50	481.490	-3.47	1082	+	0.00	8394679.460	316024.097	481.108	481.611	0.50	3.500	481.471	-4.00	5.50	481.091	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	481.190	-4.00	-3.50	481.570	-4.00	1083	+	0.00	8394686.024	316005.205	481.173	481.710	0.54	3.500	481.570	-4.00	5.50	481.190	-4.00
-5.500	481.290	-4.00	-3.50	481.670	-4.00	1084	+	0.00	8394692.588	315986.312	481.197	481.810	0.61	3.500	481.670	-4.00	5.50	481.290	-4.00
-5.500	481.389	-4.00	-3.50	481.769	-4.00	1085	+	0.00	8394699.151	315967.420	481.171	481.909	0.74	3.500	481.769	-4.00	5.50	481.389	-4.00
-5.500	481.489	-4.00	-3.50	481.869	-4.00	1086	+	0.00	8394705.715	315948.528	481.048	482.009	0.96	3.500	481.869	-4.00	5.50	481.489	-4.00
-5.500	481.588	-4.00	-3.50	481.968	-4.00	1087	+	0.00	8394712.279	315929.635	480.986	482.108	1.12	3.500	481.968	-4.00	5.50	481.588	-4.00
-5.500	481.688	-4.00	-3.50	482.068	-4.00	1088	+	0.00	8394718.843	315910.743	480.900	482.208	1.31	3.500	482.068	-4.00	5.50	481.688	-4.00
-5.500	481.787	-4.00	-3.50	482.167	-4.00	1089	+	0.00	8394725.406	315891.851	480.872	482.307	1.44	3.500	482.167	-4.00	5.50	481.787	-4.00
-5.500	481.886	-4.00	-3.50	482.266	-4.00	1090	+	0.00	8394731.970	315872.959	481.008	482.406	1.40	3.500	482.266	-4.00	5.50	481.886	-4.00
-5.500	481.980	-4.00	-3.50	482.360	-4.00	1090	+	18.79	8394738.137	315855.208	481.169	482.500	1.33	3.500	482.360	-4.00	5.50	481.980	-4.00
-5.500	481.986	-4.00	-3.50	482.366	-4.00	1091	+	0.00	8394738.534	315854.066	481.181	482.506	1.32	3.500	482.366	-4.00	5.50	481.986	-4.00
-5.500	482.085	-4.00	-3.50	482.465	-4.00	1092	+	0.00	8394745.163	315835.197	481.427	482.605	1.18	3.500	482.465	-4.00	5.50	482.085	-4.00
-5.500	482.185	-4.00	-3.50	482.565	-4.00	1093	+	0.00	8394751.908	315816.369	481.578	482.705	1.13	3.500	482.565	-4.00	5.50	482.185	-4.00
-5.500	482.284	-4.00	-3.50	482.664	-4.00	1094	+	0.00	8394758.768	315797.582	481.804	482.804	1.00	3.500	482.664	-4.00	5.50	482.284	-4.00
-5.500	482.384	-4.00	-3.50	482.764	-4.00	1095	+	0.00	8394765.744	315778.838	481.924	482.904	0.98	3.500	482.764	-4.00	5.50	482.384	-4.00
-5.500	482.483	-4.00	-3.50	482.863	-4.00	1096	+	0.00	8394772.835	315760.138	481.970	483.003	1.03	3.500	482.863	-4.00	5.50	482.483	-4.00
-5.500	482.582	-4.00	-3.50	482.962	-4.00	1097	+	0.00	8394780.042	315741.481	481.627	483.102	1.47	3.500	482.962	-4.00	5.50	482.582	-4.00
-5.500	482.682	-4.00	-3.50	483.062	-4.00	1098	+	0.00	8394787.362	315722.869	481.480	483.202	1.72	3.500	483.062	-4.00	5.50	482.682	-4.00
-5.500	482.781	-4.00	-3.50	483.161	-4.00	1099	+	0.00	8394794.798	315704.303	481.331	483.301	1.97	3.500	483.161	-4.00	5.50	482.781	-4.00
-5.500	482.881	-4.00	-3.50	483.261	-4.00	1100	+	0.00	8394802.347	315685.782	481.057	483.401	2.34	3.500	483.261	-4.00	5.50	482.881	-4.00
-5.500	482.980	-4.00	-3.50	483.360	-4.00	1101	+	0.00	8394810.010	315667.309	480.816	483.500	2.68	3.500	483.360	-4.00	5.50	482.980	-4.00
-5.500	483.080	-4.00	-3.50	483.460	-4.00	1102	+	0.00	8394817.787	315648.883	480.704	483.600	2.90	3.500	483.460	-4.00	5.50	483.080	-4.00
-5.500	483.179	-4.00	-3.50	483.559	-4.00	1103	+	0.00	8394825.677	315630.505	480.557	483.699	3.14	3.500	483.559	-4.00	5.50	483.179	-4.00
-5.500	483.278	-4.00	-3.50	483.658	-4.00	1104	+	0.00	8394833.680	315612.176	480.577	483.798	3.22	3.500	483.658	-4.00	5.50	483.278	-4.00
-5.500	483.378	-4.00	-3.50	483.758	-4.00	1105	+	0.00	8394841.796	315593.896	480.550	483.898	3.35	3.500	483.758	-4.00	5.50	483.378	-4.00
-5.500	483.477	-4.00	-3.50	483.857	-4.00	1106	+	0.00	8394850.023	315575.667	480.596	483.997	3.40	3.500	483.857	-4.00	5.50	483.477	-4.00
-5.500	483.577	-4.00	-3.50	483.957	-4.00	1107	+	0.00	8394858.363	315557.489	480.662	484.097	3.44	3.500	483.957	-4.00	5.50	483.577	-4.00
-5.500	483.676	-4.00	-3.50	484.056	-4.00	1108	+	0.00	8394866.815	315539.363	480.778	484.196	3.42	3.500	484.056	-4.00	5.50	483.676	-4.00
-5.500	483.776	-4.00	-3.50	484.156	-4.00	1109	+	0.00	8394875.378	315521.288	480.994	484.296	3.30	3.500	484.156	-4.00	5.50	483.776	-4.00
-5.500	483.786	-4.00	-3.50	484.166	-4.00	1109	+	2.17	8394876.255	315519.360	481.014	484.306	3.29	3.500	484.166	-4.00	5.50	483.786	-4.00
-5.500	483.875	-4.00	-3.50	484.255	-4.00	1110	+	0.00	8394884.052	315503.267	480.938	484.395	3.46	3.500	484.255	-4.00	5.50	483.875	-4.00
-5.500	483.974	-4.00	-3.50	484.354	-4.00	1111	+	0.00	8394892.837	315485.30	480.862	484.494	3.63	3.500	484.354	-4.00	5.50	483.974	-4.00
-5.500	484.074	-4.00	-3.50	484.454	-4.00	1112	+	0.00	8394901.732	315467.387	480.655	484.594	3.94	3.500	484.454	-4.00	5.50	484.074	-4.00
-5.500	484.173	-4.00	-3.50	484.553	-4.00	1113	+	0.00	8394910.737	315449.529	480.540	484.693	4.15	3.500	484.553	-4.00	5.50	484.173	-4.00
-5.500	484.273	-4.00	-3.50	484.653	-4.00	1114	+	0.00	8394919.852	315431.727	480.502	484.793	4.29	3.500	484.653	-4.00	5.50	484.273	-4.00
-5.500	484.372	-4.00	-3.50	484.752	-4.00	1115	+	0.00	8394929.077	315413.981	480.492	484.892	4.40	3.500	484.752	-4.00	5.50	484.372	-4.00
-5.500	484.472	-4.00	-3.50	484.852	-4.00	1116	+	0.00	8394938.410	315396.293	480.522	484.992	4.47	3.500	484.852	-4.00	5.50	484.472	-4.00
-5.500	484.571	-4.00	-3.50	484.951	-4.00	1117	+	0.00	8394947.852	315378.662	480.610	485.091	4.48	3.500	484.951	-4.00	5.50	484.571	-4.00
-5.500	484.670	-4.00	-3.50	485.050	-4.00	1118	+	0.00	8394957.403	315361.090	480.898	485.190	4.29	3.500	485.050	-4.00	5.50	484.670	-4.00
-5.500	484.770	-4.00	-3.50	485.150	-4.00	1119	+	0.00	8394967.061	315343.576	480.997	485.290	4.29	3.500	485.150	-4.00	5.50	484.770	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	484.869	-4.00	-3.50	485.249	-4.00	1120	+	0.00	8394976.827	315326.123	481.117	485.389	4.27	3.500	485.249	-4.00	5.50	484.869	-4.00
-5.500	484.969	-4.00	-3.50	485.349	-4.00	1121	+	0.00	8394986.70	315308.730	481.182	485.489	4.31	3.500	485.349	-4.00	5.50	484.969	-4.00
-5.500	485.068	-4.00	-3.50	485.448	-4.00	1122	+	0.00	8394996.680	315291.398	481.695	485.588	3.89	3.500	485.448	-4.00	5.50	485.068	-4.00
-5.500	485.168	-4.00	-3.50	485.548	-4.00	1123	+	0.00	8395006.767	315274.128	482.079	485.688	3.61	3.500	485.548	-4.00	5.50	485.168	-4.00
-5.500	485.267	-4.00	-3.50	485.647	-4.00	1124	+	0.00	8395016.959	315256.920	482.292	485.787	3.50	3.500	485.647	-4.00	5.50	485.267	-4.00
-5.500	485.366	-4.00	-3.50	485.746	-4.00	1125	+	0.00	8395027.258	315239.775	481.864	485.886	4.02	3.500	485.746	-4.00	5.50	485.366	-4.00
-5.500	485.466	-4.00	-3.50	485.846	-4.00	1126	+	0.00	8395037.661	315222.694	482.101	485.986	3.88	3.500	485.846	-4.00	5.50	485.466	-4.00
-5.500	485.565	-4.00	-3.50	485.945	-4.00	1127	+	0.00	8395048.170	315205.677	481.805	486.085	4.28	3.500	485.945	-4.00	5.50	485.565	-4.00
-5.500	485.593	-4.00	-3.50	485.973	-4.00	1127	+	5.54	8395051.099	315200.975	481.615	486.113	4.50	3.500	485.973	-4.00	5.50	485.593	-4.00
-5.500	485.665	-4.00	-3.50	486.045	-4.00	1128	+	0.00	8395058.755	315188.708	481.469	486.185	4.72	3.500	486.045	-4.00	5.50	485.665	-4.00
-5.500	485.764	-4.00	-3.50	486.144	-4.00	1129	+	0.00	8395069.345	315171.742	481.260	486.284	5.02	3.500	486.144	-4.00	5.50	485.764	-4.00
-5.500	485.864	-4.00	-3.50	486.244	-4.00	1130	+	0.00	8395079.935	315154.776	480.870	486.384	5.51	3.500	486.244	-4.00	5.50	485.864	-4.00
-5.500	485.963	-4.00	-3.50	486.343	-4.00	1131	+	0.00	8395090.525	315137.809	480.810	486.483	5.67	3.500	486.343	-4.00	5.50	485.963	-4.00
-5.500	486.062	-4.00	-3.50	486.442	-4.00	1132	+	0.00	8395101.115	315120.843	480.729	486.582	5.85	3.500	486.442	-4.00	5.50	486.062	-4.00
-5.500	486.162	-4.00	-3.50	486.542	-4.00	1133	+	0.00	8395111.704	315103.876	480.788	486.682	5.89	3.500	486.542	-4.00	5.50	486.162	-4.00
-5.500	486.261	-4.00	-3.50	486.641	-4.00	1134	+	0.00	8395122.294	315086.910	481.240	486.781	5.54	3.500	486.641	-4.00	5.50	486.261	-4.00
-5.500	486.361	-4.00	-3.50	486.741	-4.00	1135	+	0.00	8395132.884	315069.944	481.492	486.881	5.39	3.500	486.741	-4.00	5.50	486.361	-4.00
-5.500	486.460	-4.00	-3.50	486.840	-4.00	1136	+	0.00	8395143.474	315052.977	482.048	486.980	4.93	3.500	486.840	-4.00	5.50	486.460	-4.00
-5.500	486.560	-4.00	-3.50	486.940	-4.00	1137	+	0.00	8395154.063	315036.011	482.470	487.080	4.61	3.500	486.940	-4.00	5.50	486.560	-4.00
-5.500	486.659	-4.00	-3.50	487.039	-4.00	1138	+	0.00	8395164.653	315019.045	482.907	487.179	4.27	3.500	487.039	-4.00	5.50	486.659	-4.00
-5.500	486.758	-4.00	-3.50	487.138	-4.00	1139	+	0.00	8395175.243	315002.078	483.298	487.278	3.98	3.500	487.138	-4.00	5.50	486.758	-4.00
-5.500	486.858	-4.00	-3.50	487.238	-4.00	1140	+	0.00	8395185.833	314985.112	483.586	487.378	3.79	3.500	487.238	-4.00	5.50	486.858	-4.00
-5.500	486.957	-4.00	-3.50	487.337	-4.00	1141	+	0.00	8395196.423	314968.146	483.845	487.477	3.63	3.500	487.337	-4.00	5.50	486.957	-4.00
-5.500	487.049	-4.00	-3.50	487.429	-4.00	1142	+	0.00	8395207.012	314951.179	483.841	487.569	3.73	3.500	487.429	-4.00	5.50	487.049	-4.00
-5.500	487.115	-4.00	-3.50	487.495	-4.00	1143	+	0.00	8395217.602	314934.213	483.850	487.635	3.78	3.500	487.495	-4.00	5.50	487.115	-4.00
-5.500	487.153	-4.00	-3.50	487.533	-4.00	1144	+	0.00	8395228.192	314917.247	483.644	487.673	4.03	3.500	487.533	-4.00	5.50	487.153	-4.00
-5.500	487.165	-4.00	-3.50	487.545	-4.00	1145	+	0.00	8395238.782	314900.280	483.395	487.685	4.29	3.500	487.545	-4.00	5.50	487.165	-4.00
-5.500	487.149	-4.00	-3.50	487.529	-4.00	1146	+	0.00	8395249.371	314883.314	483.104	487.669	4.57	3.500	487.529	-4.00	5.50	487.149	-4.00
-5.500	487.107	-4.00	-3.50	487.487	-4.00	1147	+	0.00	8395259.961	314866.348	483.015	487.627	4.61	3.500	487.487	-4.00	5.50	487.107	-4.00
-5.500	487.037	-4.00	-3.50	487.417	-4.00	1148	+	0.00	8395270.551	314849.381	482.811	487.557	4.75	3.500	487.417	-4.00	5.50	487.037	-4.00
-5.500	486.942	-4.00	-3.50	487.322	-4.00	1149	+	0.00	8395281.141	314832.415	482.843	487.462	4.62	3.500	487.322	-4.00	5.50	486.942	-4.00
-5.500	486.838	-4.00	-3.50	487.218	-4.00	1150	+	0.00	8395291.730	314815.449	482.224	487.358	5.13	3.500	487.218	-4.00	5.50	486.838	-4.00
-5.500	486.735	-4.00	-3.50	487.115	-4.00	1151	+	0.00	8395302.320	314798.482	482.674	487.255	4.58	3.500	487.115	-4.00	5.50	486.735	-4.00
-5.500	486.632	-4.00	-3.50	487.012	-4.00	1152	+	0.00	8395312.910	314781.516	482.583	487.152	4.57	3.500	487.012	-4.00	5.50	486.632	-4.00
-5.500	486.528	-4.00	-3.50	486.908	-4.00	1153	+	0.00	8395323.50	314764.550	482.608	487.048	4.44	3.500	486.908	-4.00	5.50	486.528	-4.00
-5.500	486.425	-4.00	-3.50	486.805	-4.00	1154	+	0.00	8395334.090	314747.583	482.779	486.945	4.17	3.500	486.805	-4.00	5.50	486.425	-4.00
-5.500	486.322	-4.00	-3.50	486.702	-4.00	1155	+	0.00	8395344.679	314730.617	482.981	486.842	3.86	3.500	486.702	-4.00	5.50	486.322	-4.00
-5.500	486.218	-4.00	-3.50	486.598	-4.00	1156	+	0.00	8395355.269	314713.651	483.127	486.738	3.61	3.500	486.598	-4.00	5.50	486.218	-4.00
-5.500	486.115	-4.00	-3.50	486.495	-4.00	1157	+	0.00	8395365.859	314696.684	483.096	486.635	3.54	3.500	486.495	-4.00	5.50	486.115	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	486.012	-4.00	-3.50	486.392	-4.00	1158	+	0.00	8395376.449	314679.718	483.042	486.532	3.49	3.500	486.392	-4.00	5.50	486.012	-4.00
-5.500	485.908	-4.00	-3.50	486.288	-4.00	1159	+	0.00	8395387.038	314662.752	483.040	486.428	3.39	3.500	486.288	-4.00	5.50	485.908	-4.00
-5.500	485.805	-4.00	-3.50	486.185	-4.00	1160	+	0.00	8395397.628	314645.785	482.973	486.325	3.35	3.500	486.185	-4.00	5.50	485.805	-4.00
-5.500	485.702	-4.00	-3.50	486.082	-4.00	1161	+	0.00	8395408.218	314628.819	482.855	486.222	3.37	3.500	486.082	-4.00	5.50	485.702	-4.00
-5.500	485.598	-4.00	-3.50	485.978	-4.00	1162	+	0.00	8395418.808	314611.853	482.823	486.118	3.30	3.500	485.978	-4.00	5.50	485.598	-4.00
-5.500	485.495	-4.00	-3.50	485.875	-4.00	1163	+	0.00	8395429.397	314594.886	482.768	486.015	3.25	3.500	485.875	-4.00	5.50	485.495	-4.00
-5.500	485.392	-4.00	-3.50	485.772	-4.00	1164	+	0.00	8395439.987	314577.920	482.718	485.912	3.19	3.500	485.772	-4.00	5.50	485.392	-4.00
-5.500	485.288	-4.00	-3.50	485.668	-4.00	1165	+	0.00	8395450.577	314560.954	482.589	485.808	3.22	3.500	485.668	-4.00	5.50	485.288	-4.00
-5.500	485.185	-4.00	-3.50	485.565	-4.00	1166	+	0.00	8395461.167	314543.987	482.464	485.705	3.24	3.500	485.565	-4.00	5.50	485.185	-4.00
-5.500	485.082	-4.00	-3.50	485.462	-4.00	1167	+	0.00	8395471.757	314527.021	482.384	485.602	3.22	3.500	485.462	-4.00	5.50	485.082	-4.00
-5.500	484.978	-4.00	-3.50	485.358	-4.00	1168	+	0.00	8395482.346	314510.055	482.400	485.498	3.10	3.500	485.358	-4.00	5.50	484.978	-4.00
-5.500	484.875	-4.00	-3.50	485.255	-4.00	1169	+	0.00	8395492.936	314493.088	482.570	485.395	2.82	3.500	485.255	-4.00	5.50	484.875	-4.00
-5.500	484.772	-4.00	-3.50	485.152	-4.00	1170	+	0.00	8395503.526	314476.122	482.410	485.292	2.88	3.500	485.152	-4.00	5.50	484.772	-4.00
-5.500	484.668	-4.00	-3.50	485.048	-4.00	1171	+	0.00	8395514.116	314459.155	482.444	485.188	2.74	3.500	485.048	-4.00	5.50	484.668	-4.00
-5.500	484.565	-4.00	-3.50	484.945	-4.00	1172	+	0.00	8395524.705	314442.189	482.404	485.085	2.68	3.500	484.945	-4.00	5.50	484.565	-4.00
-5.500	484.462	-4.00	-3.50	484.842	-4.00	1173	+	0.00	8395535.295	314425.223	482.404	484.982	2.58	3.500	484.842	-4.00	5.50	484.462	-4.00
-5.500	484.358	-4.00	-3.50	484.738	-4.00	1174	+	0.00	8395545.885	314408.256	482.357	484.878	2.52	3.500	484.738	-4.00	5.50	484.358	-4.00
-5.500	484.255	-4.00	-3.50	484.635	-4.00	1175	+	0.00	8395556.475	314391.290	482.405	484.775	2.37	3.500	484.635	-4.00	5.50	484.255	-4.00
-5.500	484.152	-4.00	-3.50	484.532	-4.00	1176	+	0.00	8395567.064	314374.324	482.363	484.672	2.31	3.500	484.532	-4.00	5.50	484.152	-4.00
-5.500	484.048	-4.00	-3.50	484.428	-4.00	1177	+	0.00	8395577.654	314357.357	482.330	484.568	2.24	3.500	484.428	-4.00	5.50	484.048	-4.00
-5.500	483.945	-4.00	-3.50	484.325	-4.00	1178	+	0.00	8395588.244	314340.391	482.305	484.465	2.16	3.500	484.325	-4.00	5.50	483.945	-4.00
-5.500	483.865	-3.58	-3.50	484.237	-3.58	1179	+	0.00	8395598.834	314323.425	482.209	484.362	2.15	3.500	484.222	-4.00	5.50	483.842	-4.00
-5.500	483.794	-2.99	-3.50	484.153	-2.99	1180	+	0.00	8395609.424	314306.458	482.098	484.258	2.16	3.500	484.118	-4.00	5.50	483.738	-4.00
-5.500	483.723	-2.40	-3.50	484.071	-2.40	1181	+	0.00	8395620.013	314289.492	481.944	484.155	2.21	3.500	484.015	-4.00	5.50	483.635	-4.00
-5.500	483.652	-1.81	-3.50	483.989	-1.81	1182	+	0.00	8395630.603	314272.526	481.863	484.052	2.19	3.500	483.912	-4.00	5.50	483.532	-4.00
-5.500	483.581	-1.22	-3.50	483.905	-1.22	1183	+	0.00	8395641.193	314255.559	481.762	483.948	2.19	3.500	483.808	-4.00	5.50	483.428	-4.00
-5.500	483.511	-0.62	-3.50	483.823	-0.62	1184	+	0.00	8395651.783	314238.593	481.679	483.845	2.17	3.500	483.705	-4.00	5.50	483.325	-4.00
-5.500	483.440	-0.03	-3.50	483.741	-0.03	1185	+	0.00	8395662.372	314221.627	481.656	483.742	2.09	3.500	483.602	-4.00	5.50	483.222	-4.00
-5.500	483.436	0.00	-3.50	483.736	0.00	1185	+	1.11	8395662.961	314220.683	481.653	483.736	2.08	3.500	483.596	-4.00	5.50	483.216	-4.00
-5.500	483.374	0.66	-3.50	483.661	0.66	1186	+	0.00	8395672.970	314204.666	481.624	483.638	2.01	3.500	483.498	-4.00	5.50	483.118	-4.00
-5.500	483.309	1.35	-3.50	483.582	1.35	1187	+	0.00	8395683.624	314187.739	481.498	483.535	2.04	3.500	483.395	-4.00	5.50	483.015	-4.00
-5.500	483.245	2.05	-3.50	483.504	2.05	1188	+	0.00	8395694.392	314170.885	481.529	483.432	1.90	3.500	483.292	-4.00	5.50	482.912	-4.00
-5.500	483.179	2.74	-3.50	483.424	2.74	1189	+	0.00	8395705.332	314154.143	481.532	483.328	1.80	3.500	483.188	-4.00	5.50	482.808	-4.00
-5.500	483.114	3.44	-3.50	483.345	3.44	1190	+	0.00	8395716.50	314137.552	481.568	483.225	1.66	3.500	483.085	-4.00	5.50	482.705	-4.00
-5.500	483.062	4.00	-3.50	483.282	4.00	1190	+	16.11	8395725.702	314124.326	481.579	483.142	1.56	3.500	483.002	-4.00	5.50	482.622	-4.00
-5.500	483.042	4.00	-3.50	483.262	4.00	1191	+	0.00	8395727.953	314121.156	481.559	483.122	1.56	3.500	482.982	-4.00	5.50	482.602	-4.00
-5.500	482.938	4.00	-3.50	483.158	4.00	1192	+	0.00	8395739.725	314104.988	481.518	483.018	1.50	3.500	482.878	-4.00	5.50	482.498	-4.00
-5.500	482.835	4.00	-3.50	483.055	4.00	1193	+	0.00	8395751.819	314089.059	481.586	482.915	1.33	3.500	482.775	-4.00	5.50	482.395	-4.00
-5.500	482.732	4.00	-3.50	482.952	4.00	1194	+	0.00	8395764.229	314073.376	481.667	482.812	1.15	3.500	482.672	-4.00	5.50	482.292	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	482.628	4.00	-3.50	482.848	4.00	1195	+	0.00	8395776.950	314057.943	481.707	482.708	1.00	3.500	482.568	-4.00	5.50	482.188	-4.00
-5.500	482.602	4.00	-3.50	482.822	4.00	1195	+	5.13	8395780.246	314054.038	481.749	482.682	0.93	3.500	482.542	-4.00	5.50	482.162	-4.00
-5.500	482.525	4.00	-3.50	482.745	4.00	1196	+	0.00	8395789.977	314042.768	481.687	482.605	0.92	3.500	482.465	-4.00	5.50	482.085	-4.00
-5.500	482.422	4.00	-3.50	482.642	4.00	1197	+	0.00	8395803.305	314027.857	481.702	482.502	0.80	3.500	482.362	-4.00	5.50	481.982	-4.00
-5.500	482.318	4.00	-3.50	482.538	4.00	1198	+	0.00	8395816.929	314013.215	481.709	482.398	0.69	3.500	482.258	-4.00	5.50	481.878	-4.00
-5.500	482.215	4.00	-3.50	482.435	4.00	1199	+	0.00	8395830.842	313998.848	481.554	482.295	0.74	3.500	482.155	-4.00	5.50	481.775	-4.00
-5.500	482.142	4.00	-3.50	482.362	4.00	1199	+	14.14	8395840.849	313988.862	481.511	482.222	0.71	3.500	482.082	-4.00	5.50	481.702	-4.00
-5.500	482.101	3.80	-3.50	482.325	3.80	1200	+	0.00	8395845.040	313984.763	481.483	482.192	0.71	3.500	482.052	-4.00	5.50	481.672	-4.00
-5.500	481.959	3.10	-3.50	482.197	3.10	1201	+	0.00	8395859.50	313970.946	481.221	482.088	0.87	3.500	481.948	-4.00	5.50	481.568	-4.00
-5.500	481.817	2.40	-3.50	482.069	2.40	1202	+	0.00	8395874.173	313957.355	481.134	481.985	0.85	3.500	481.845	-4.00	5.50	481.465	-4.00
-5.500	481.681	1.71	-3.50	481.947	1.71	1203	+	0.00	8395889.008	313943.942	480.799	481.887	1.09	3.500	481.747	-4.00	5.50	481.367	-4.00
-5.500	481.580	1.01	-3.50	481.859	1.01	1204	+	0.00	8395903.957	313930.655	480.457	481.824	1.37	3.500	481.684	-4.00	5.50	481.304	-4.00
-5.500	481.520	0.32	-3.50	481.813	0.32	1205	+	0.00	8395918.973	313917.445	480.195	481.802	1.61	3.500	481.662	-4.00	5.50	481.282	-4.00
-5.500	481.506	0.00	-3.50	481.806	0.00	1205	+	9.14	8395925.843	313911.421	480.166	481.806	1.64	3.500	481.666	-4.00	5.50	481.286	-4.00
-5.500	481.503	-0.32	-3.50	481.810	-0.32	1206	+	0.00	8395934.011	313904.260	480.067	481.821	1.75	3.500	481.681	-4.00	5.50	481.301	-4.00
-5.500	481.530	-0.91	-3.50	481.848	-0.91	1207	+	0.00	8395949.050	313891.075	479.961	481.880	1.92	3.500	481.740	-4.00	5.50	481.360	-4.00
-5.500	481.593	-1.50	-3.50	481.923	-1.50	1208	+	0.00	8395964.089	313877.891	479.958	481.975	2.02	3.500	481.835	-4.00	5.50	481.455	-4.00
-5.500	481.660	-2.10	-3.50	482.002	-2.10	1209	+	0.00	8395979.128	313864.707	480.113	482.075	1.96	3.500	481.935	-4.00	5.50	481.555	-4.00
-5.500	481.727	-2.69	-3.50	482.081	-2.69	1210	+	0.00	8395994.167	313851.523	480.423	482.175	1.75	3.500	482.035	-4.00	5.50	481.655	-4.00
-5.500	481.795	-3.28	-3.50	482.160	-3.28	1211	+	0.00	8396009.207	313838.338	480.705	482.275	1.57	3.500	482.135	-4.00	5.50	481.755	-4.00
-5.500	481.862	-3.87	-3.50	482.240	-3.87	1212	+	0.00	8396024.246	313825.154	480.919	482.375	1.46	3.500	482.235	-4.00	5.50	481.855	-4.00
-5.500	481.955	-4.00	-3.50	482.335	-4.00	1213	+	0.00	8396039.285	313811.970	480.951	482.475	1.52	3.500	482.335	-4.00	5.50	481.955	-4.00
-5.500	482.055	-4.00	-3.50	482.435	-4.00	1214	+	0.00	8396054.324	313798.785	480.829	482.575	1.75	3.500	482.435	-4.00	5.50	482.055	-4.00
-5.500	482.155	-4.00	-3.50	482.535	-4.00	1215	+	0.00	8396069.363	313785.601	480.836	482.675	1.84	3.500	482.535	-4.00	5.50	482.155	-4.00
-5.500	482.255	-4.00	-3.50	482.635	-4.00	1216	+	0.00	8396084.402	313772.417	480.797	482.775	1.98	3.500	482.635	-4.00	5.50	482.255	-4.00
-5.500	482.355	-4.00	-3.50	482.735	-4.00	1217	+	0.00	8396099.441	313759.232	480.799	482.875	2.08	3.500	482.735	-4.00	5.50	482.355	-4.00
-5.500	482.455	-4.00	-3.50	482.835	-4.00	1218	+	0.00	8396114.480	313746.048	480.866	482.975	2.11	3.500	482.835	-4.00	5.50	482.455	-4.00
-5.500	482.555	-4.00	-3.50	482.935	-4.00	1219	+	0.00	8396129.519	313732.864	480.908	483.075	2.17	3.500	482.935	-4.00	5.50	482.555	-4.00
-5.500	482.655	-4.00	-3.50	483.035	-4.00	1220	+	0.00	8396144.558	313719.680	481.016	483.175	2.16	3.500	483.035	-4.00	5.50	482.655	-4.00
-5.500	482.831	-2.62	-3.50	483.183	-2.62	1221	+	0.00	8396159.597	313706.495	481.036	483.275	2.24	3.500	483.135	-4.00	5.50	482.755	-4.00
-5.500	483.011	-1.17	-3.50	483.334	-1.17	1222	+	0.00	8396174.637	313693.311	481.096	483.375	2.28	3.500	483.235	-4.00	5.50	482.855	-4.00
-5.500	483.156	0.00	-3.50	483.456	0.00	1222	+	16.11	8396186.749	313682.692	481.141	483.456	2.32	3.500	483.316	-4.00	5.50	482.936	-4.00
-5.500	483.190	0.28	-3.50	483.485	0.28	1223	+	0.00	8396189.676	313680.127	481.136	483.475	2.34	3.500	483.335	-4.00	5.50	482.955	-4.00
-5.500	483.370	1.73	-3.50	483.636	1.73	1224	+	0.00	8396204.752	313666.985	481.115	483.575	2.46	3.500	483.435	-4.00	5.50	483.055	-4.00
-5.500	483.550	3.18	-3.50	483.786	3.18	1225	+	0.00	8396219.984	313654.025	481.194	483.675	2.48	3.500	483.535	-4.00	5.50	483.155	-4.00
-5.500	483.730	4.63	-3.50	483.937	4.63	1226	+	0.00	8396235.497	313641.402	481.211	483.775	2.56	3.500	483.613	-4.63	5.50	483.220	-4.63
-5.500	483.875	5.80	-3.50	484.059	5.80	1226	+	16.11	8396248.273	313631.592	481.204	483.856	2.65	3.500	483.653	-5.80	5.50	483.237	-5.80
-5.500	483.894	5.80	-3.50	484.078	5.80	1227	+	0.00	8396251.404	313629.281	481.173	483.875	2.70	3.500	483.672	-5.80	5.50	483.256	-5.80
-5.500	483.994	5.80	-3.50	484.178	5.80	1228	+	0.00	8396267.773	313617.792	481.230	483.975	2.75	3.500	483.772	-5.80	5.50	483.356	-5.80

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	484.094	5.80	-3.50	484.278	5.80	1229	+	0.00	8396284.588	313606.966	481.101	484.075	2.97	3.500	483.872	-5.80	5.50	483.456	-5.80
-5.500	484.194	5.80	-3.50	484.378	5.80	1230	+	0.00	8396301.823	313596.822	481.182	484.175	2.99	3.500	483.972	-5.80	5.50	483.556	-5.80
-5.500	484.238	5.80	-3.50	484.422	5.80	1230	+	8.76	8396309.493	313592.546	481.237	484.219	2.98	3.500	484.016	-5.80	5.50	483.600	-5.80
-5.500	484.294	5.80	-3.50	484.478	5.80	1231	+	0.00	8396319.450	313587.375	481.236	484.275	3.04	3.500	484.072	-5.80	5.50	483.656	-5.80
-5.500	484.394	5.80	-3.50	484.578	5.80	1232	+	0.00	8396337.440	313578.640	481.023	484.375	3.35	3.500	484.172	-5.80	5.50	483.756	-5.80
-5.500	484.494	5.80	-3.50	484.678	5.80	1233	+	0.00	8396355.765	313570.632	481.082	484.475	3.39	3.500	484.272	-5.80	5.50	483.856	-5.80
-5.500	484.594	5.80	-3.50	484.778	5.80	1234	+	0.00	8396374.396	313563.363	481.045	484.575	3.53	3.500	484.372	-5.80	5.50	483.956	-5.80
-5.500	484.601	5.80	-3.50	484.785	5.80	1234	+	1.42	8396375.726	313562.877	481.027	484.582	3.56	3.500	484.379	-5.80	5.50	483.963	-5.80
-5.500	484.620	4.45	-3.50	484.831	4.45	1235	+	0.00	8396393.295	313556.820	480.918	484.675	3.76	3.500	484.519	-4.45	5.50	484.130	-4.45
-5.500	484.640	3.00	-3.50	484.880	3.00	1236	+	0.00	8396412.385	313550.860	480.759	484.775	4.02	3.500	484.635	-4.00	5.50	484.255	-4.00
-5.500	484.660	1.55	-3.50	484.929	1.55	1237	+	0.00	8396431.595	313545.296	480.786	484.875	4.09	3.500	484.735	-4.00	5.50	484.355	-4.00
-5.500	484.681	0.10	-3.50	484.979	0.10	1238	+	0.00	8396450.864	313539.938	480.593	484.975	4.38	3.500	484.835	-4.00	5.50	484.455	-4.00
-5.500	484.682	0.00	-3.50	484.982	0.00	1238	+	1.42	8396452.229	313539.561	480.612	484.982	4.37	3.500	484.842	-4.00	5.50	484.462	-4.00
-5.500	484.701	-1.35	-3.50	485.028	-1.35	1239	+	0.00	8396470.144	313534.619	480.483	485.075	4.59	3.500	484.935	-4.00	5.50	484.555	-4.00
-5.500	484.721	-2.80	-3.50	485.077	-2.80	1240	+	0.00	8396489.424	313529.301	480.133	485.175	5.04	3.500	485.035	-4.00	5.50	484.655	-4.00
-5.500	484.755	-4.00	-3.50	485.135	-4.00	1241	+	0.00	8396508.704	313523.983	479.988	485.275	5.29	3.500	485.135	-4.00	5.50	484.755	-4.00
-5.500	484.855	-4.00	-3.50	485.235	-4.00	1242	+	0.00	8396527.984	313518.664	479.986	485.375	5.39	3.500	485.235	-4.00	5.50	484.855	-4.00
-5.500	484.955	-4.00	-3.50	485.335	-4.00	1243	+	0.00	8396547.264	313513.346	480.136	485.475	5.34	3.500	485.335	-4.00	5.50	484.955	-4.00
-5.500	485.055	-4.00	-3.50	485.435	-4.00	1244	+	0.00	8396566.544	313508.027	479.953	485.575	5.62	3.500	485.435	-4.00	5.50	485.055	-4.00
-5.500	485.155	-4.00	-3.50	485.535	-4.00	1245	+	0.00	8396585.824	313502.709	479.972	485.675	5.70	3.500	485.535	-4.00	5.50	485.155	-4.00
-5.500	485.255	-4.00	-3.50	485.635	-4.00	1246	+	0.00	8396605.104	313497.390	480.082	485.775	5.69	3.500	485.635	-4.00	5.50	485.255	-4.00
-5.500	485.355	-4.00	-3.50	485.735	-4.00	1247	+	0.00	8396624.383	313492.072	480.177	485.875	5.70	3.500	485.735	-4.00	5.50	485.355	-4.00
-5.500	485.455	-4.00	-3.50	485.835	-4.00	1248	+	0.00	8396643.663	313486.753	480.386	485.975	5.59	3.500	485.835	-4.00	5.50	485.455	-4.00
-5.500	485.555	-4.00	-3.50	485.935	-4.00	1249	+	0.00	8396662.943	313481.435	480.517	486.075	5.56	3.500	485.935	-4.00	5.50	485.555	-4.00
-5.500	485.655	-4.00	-3.50	486.035	-4.00	1250	+	0.00	8396682.223	313476.117	480.562	486.175	5.61	3.500	486.035	-4.00	5.50	485.655	-4.00
-5.500	485.755	-4.00	-3.50	486.135	-4.00	1251	+	0.00	8396701.503	313470.798	480.640	486.275	5.63	3.500	486.135	-4.00	5.50	485.755	-4.00
-5.500	485.855	-4.00	-3.50	486.235	-4.00	1252	+	0.00	8396720.783	313465.480	480.695	486.375	5.68	3.500	486.235	-4.00	5.50	485.855	-4.00
-5.500	485.949	-4.00	-3.50	486.329	-4.00	1253	+	0.00	8396740.063	313460.161	480.802	486.469	5.67	3.500	486.329	-4.00	5.50	485.949	-4.00
-5.500	486.003	-4.00	-3.50	486.383	-4.00	1254	+	0.00	8396759.343	313454.843	480.813	486.523	5.71	3.500	486.383	-4.00	5.50	486.003	-4.00
-5.500	486.010	-4.00	-3.50	486.390	-4.00	1255	+	0.00	8396778.623	313449.524	480.817	486.530	5.71	3.500	486.390	-4.00	5.50	486.010	-4.00
-5.500	485.970	-4.00	-3.50	486.350	-4.00	1256	+	0.00	8396797.902	313444.206	480.828	486.490	5.66	3.500	486.350	-4.00	5.50	485.970	-4.00
-5.500	485.884	-4.00	-3.50	486.264	-4.00	1257	+	0.00	8396817.182	313438.888	480.773	486.404	5.63	3.500	486.264	-4.00	5.50	485.884	-4.00
-5.500	485.757	-4.00	-3.50	486.137	-4.00	1258	+	0.00	8396836.462	313433.569	480.622	486.277	5.65	3.500	486.137	-4.00	5.50	485.757	-4.00
-5.500	485.624	-4.00	-3.50	486.004	-4.00	1259	+	0.00	8396855.742	313428.251	480.376	486.144	5.77	3.500	486.004	-4.00	5.50	485.624	-4.00
-5.500	485.491	-4.00	-3.50	485.871	-4.00	1260	+	0.00	8396875.022	313422.932	480.181	486.011	5.83	3.500	485.871	-4.00	5.50	485.491	-4.00
-5.500	485.359	-4.00	-3.50	485.739	-4.00	1261	+	0.00	8396894.302	313417.614	480.075	485.879	5.80	3.500	485.739	-4.00	5.50	485.359	-4.00
-5.500	485.226	-4.00	-3.50	485.606	-4.00	1262	+	0.00	8396913.582	313412.295	479.932	485.746	5.81	3.500	485.606	-4.00	5.50	485.226	-4.00
-5.500	485.093	-4.00	-3.50	485.473	-4.00	1263	+	0.00	8396932.862	313406.977	479.808	485.613	5.81	3.500	485.473	-4.00	5.50	485.093	-4.00
-5.500	484.960	-4.00	-3.50	485.340	-4.00	1264	+	0.00	8396952.142	313401.658	479.753	485.480	5.73	3.500	485.340	-4.00	5.50	484.960	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	484.828	-4.00	-3.50	485.208	-4.00	1265	+	0.00	8396971.421	313396.340	479.762	485.348	5.59	3.500	485.208	-4.00	5.50	484.828	-4.00
-5.500	484.695	-4.00	-3.50	485.075	-4.00	1266	+	0.00	8396990.701	313391.022	479.586	485.215	5.63	3.500	485.075	-4.00	5.50	484.695	-4.00
-5.500	484.562	-4.00	-3.50	484.942	-4.00	1267	+	0.00	8397009.981	313385.703	479.815	485.082	5.27	3.500	484.942	-4.00	5.50	484.562	-4.00
-5.500	484.430	-4.00	-3.50	484.810	-4.00	1268	+	0.00	8397029.261	313380.385	479.626	484.950	5.32	3.500	484.810	-4.00	5.50	484.430	-4.00
-5.500	484.297	-4.00	-3.50	484.677	-4.00	1269	+	0.00	8397048.541	313375.066	479.378	484.817	5.44	3.500	484.677	-4.00	5.50	484.297	-4.00
-5.500	484.164	-4.00	-3.50	484.544	-4.00	1270	+	0.00	8397067.821	313369.748	478.977	484.684	5.71	3.500	484.544	-4.00	5.50	484.164	-4.00
-5.500	484.031	-4.00	-3.50	484.411	-4.00	1271	+	0.00	8397087.101	313364.429	478.748	484.551	5.80	3.500	484.411	-4.00	5.50	484.031	-4.00
-5.500	483.899	-4.00	-3.50	484.279	-4.00	1272	+	0.00	8397106.381	313359.111	478.668	484.419	5.75	3.500	484.279	-4.00	5.50	483.899	-4.00
-5.500	483.766	-4.00	-3.50	484.146	-4.00	1273	+	0.00	8397125.661	313353.793	478.765	484.286	5.52	3.500	484.146	-4.00	5.50	483.766	-4.00
-5.500	483.633	-4.00	-3.50	484.013	-4.00	1274	+	0.00	8397144.940	313348.474	478.886	484.153	5.27	3.500	484.013	-4.00	5.50	483.633	-4.00
-5.500	483.500	-4.00	-3.50	483.880	-4.00	1275	+	0.00	8397164.220	313343.156	479.074	484.020	4.95	3.500	483.880	-4.00	5.50	483.500	-4.00
-5.500	483.368	-4.00	-3.50	483.748	-4.00	1276	+	0.00	8397183.50	313337.837	479.005	483.888	4.88	3.500	483.748	-4.00	5.50	483.368	-4.00
-5.500	483.235	-4.00	-3.50	483.615	-4.00	1277	+	0.00	8397202.780	313332.519	479.101	483.755	4.65	3.500	483.615	-4.00	5.50	483.235	-4.00
-5.500	483.102	-4.00	-3.50	483.482	-4.00	1278	+	0.00	8397222.060	313327.20	479.191	483.622	4.43	3.500	483.482	-4.00	5.50	483.102	-4.00
-5.500	482.970	-4.00	-3.50	483.350	-4.00	1279	+	0.00	8397241.340	313321.882	479.247	483.490	4.24	3.500	483.350	-4.00	5.50	482.970	-4.00
-5.500	482.837	-4.00	-3.50	483.217	-4.00	1280	+	0.00	8397260.620	313316.563	479.284	483.357	4.07	3.500	483.217	-4.00	5.50	482.837	-4.00
-5.500	482.704	-4.00	-3.50	483.084	-4.00	1281	+	0.00	8397279.90	313311.245	479.255	483.224	3.97	3.500	483.084	-4.00	5.50	482.704	-4.00
-5.500	482.571	-4.00	-3.50	482.951	-4.00	1282	+	0.00	8397299.180	313305.927	479.019	483.091	4.07	3.500	482.951	-4.00	5.50	482.571	-4.00
-5.500	482.439	-4.00	-3.50	482.819	-4.00	1283	+	0.00	8397318.460	313300.608	478.696	482.959	4.26	3.500	482.883	-2.16	5.50	482.540	-2.16
-5.500	482.306	-4.00	-3.50	482.686	-4.00	1284	+	0.00	8397337.739	313295.290	478.423	482.826	4.40	3.500	482.818	-0.23	5.50	482.513	-0.23
-5.500	482.290	-4.00	-3.50	482.670	-4.00	1284	+	2.34	8397339.997	313294.667	478.407	482.810	4.40	3.500	482.810	0.00	5.50	482.510	0.00
-5.500	482.173	-4.00	-3.50	482.553	-4.00	1285	+	0.00	8397357.011	313289.942	478.206	482.693	4.49	3.500	482.753	1.71	5.50	482.487	1.71
-5.500	482.040	-4.00	-3.50	482.420	-4.00	1286	+	0.00	8397376.218	313284.367	478.095	482.560	4.46	3.500	482.687	3.64	5.50	482.460	3.64
-5.500	481.822	-5.57	-3.50	482.233	-5.57	1287	+	0.00	8397395.279	313278.313	477.967	482.428	4.46	3.500	482.623	5.57	5.50	482.434	5.57
-5.500	481.793	-5.80	-3.50	482.209	-5.80	1287	+	2.34	8397397.497	313277.561	477.960	482.412	4.45	3.500	482.615	5.80	5.50	482.431	5.80
-5.500	481.676	-5.80	-3.50	482.092	-5.80	1288	+	0.00	8397414.103	313271.559	478.013	482.295	4.28	3.500	482.498	5.80	5.50	482.314	5.80
-5.500	481.543	-5.80	-3.50	481.959	-5.80	1289	+	0.00	8397432.641	313264.058	478.348	482.162	3.81	3.500	482.365	5.80	5.50	482.181	5.80
-5.500	481.411	-5.80	-3.50	481.827	-5.80	1290	+	0.00	8397450.865	313255.822	478.753	482.030	3.28	3.500	482.233	5.80	5.50	482.049	5.80
-5.500	481.278	-5.80	-3.50	481.694	-5.80	1291	+	0.00	8397468.745	313246.863	479.305	481.897	2.59	3.500	482.100	5.80	5.50	481.916	5.80
-5.500	481.223	-5.80	-3.50	481.639	-5.80	1291	+	8.27	8397475.995	313242.927	479.452	481.842	2.39	3.500	482.045	5.80	5.50	481.861	5.80
-5.500	481.145	-5.80	-3.50	481.561	-5.80	1292	+	0.00	8397486.253	313237.197	479.432	481.764	2.33	3.500	481.967	5.80	5.50	481.783	5.80
-5.500	481.012	-5.80	-3.50	481.428	-5.80	1293	+	0.00	8397503.359	313226.838	479.436	481.631	2.19	3.500	481.834	5.80	5.50	481.650	5.80
-5.500	480.880	-5.80	-3.50	481.296	-5.80	1294	+	0.00	8397520.038	313215.804	478.969	481.499	2.53	3.500	481.702	5.80	5.50	481.518	5.80
-5.500	480.747	-5.80	-3.50	481.163	-5.80	1295	+	0.00	8397536.263	313204.111	478.775	481.366	2.59	3.500	481.569	5.80	5.50	481.385	5.80
-5.500	480.653	-5.80	-3.50	481.069	-5.80	1295	+	14.20	8397547.492	313195.420	478.502	481.272	2.77	3.500	481.475	5.80	5.50	481.291	5.80
-5.500	480.645	-5.24	-3.50	481.050	-5.24	1296	+	0.00	8397552.007	313191.780	478.664	481.233	2.57	3.500	481.416	5.24	5.50	481.221	5.24
-5.500	480.580	-4.00	-3.50	480.960	-4.00	1297	+	0.00	8397567.306	313178.90	478.674	481.100	2.43	3.500	481.216	3.31	5.50	480.982	3.31
-5.500	480.448	-4.00	-3.50	480.828	-4.00	1298	+	0.00	8397582.309	313165.674	478.881	480.968	2.09	3.500	481.016	1.37	5.50	480.743	1.37
-5.500	480.353	-4.00	-3.50	480.733	-4.00	1298	+	14.20	8397592.874	313156.185	479.073	480.873	1.80	3.500	480.873	0.00	5.50	480.573	0.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	480.315	-4.00	-3.50	480.695	-4.00	1299	+	0.00	8397597.184	313152.305	479.124	480.835	1.71	3.500	480.815	-0.56	5.50	480.504	-0.56
-5.500	480.182	-4.00	-3.50	480.562	-4.00	1300	+	0.00	8397612.049	313138.925	479.154	480.702	1.55	3.500	480.615	-2.49	5.50	480.265	-2.49
-5.500	480.050	-4.00	-3.50	480.430	-4.00	1301	+	0.00	8397626.914	313125.545	479.202	480.570	1.37	3.500	480.430	-4.00	5.50	480.050	-4.00
-5.500	479.917	-4.00	-3.50	480.297	-4.00	1302	+	0.00	8397641.779	313112.165	478.950	480.437	1.49	3.500	480.297	-4.00	5.50	479.917	-4.00
-5.500	479.784	-4.00	-3.50	480.164	-4.00	1303	+	0.00	8397656.645	313098.784	478.597	480.304	1.71	3.500	480.164	-4.00	5.50	479.784	-4.00
-5.500	479.651	-4.00	-3.50	480.031	-4.00	1304	+	0.00	8397671.510	313085.404	478.321	480.171	1.85	3.500	480.031	-4.00	5.50	479.651	-4.00
-5.500	479.519	-4.00	-3.50	479.899	-4.00	1305	+	0.00	8397686.375	313072.024	478.080	480.039	1.96	3.500	479.899	-4.00	5.50	479.519	-4.00
-5.500	479.386	-4.00	-3.50	479.766	-4.00	1306	+	0.00	8397701.240	313058.644	477.708	479.906	2.20	3.500	479.766	-4.00	5.50	479.386	-4.00
-5.500	479.253	-4.00	-3.50	479.633	-4.00	1307	+	0.00	8397716.105	313045.264	477.250	479.773	2.52	3.500	479.633	-4.00	5.50	479.253	-4.00
-5.500	479.126	-4.00	-3.50	479.506	-4.00	1308	+	0.00	8397730.970	313031.883	477.074	479.646	2.57	3.500	479.506	-4.00	5.50	479.126	-4.00
-5.500	479.040	-4.00	-3.50	479.420	-4.00	1309	+	0.00	8397745.835	313018.503	477.074	479.560	2.49	3.500	479.420	-4.00	5.50	479.040	-4.00
-5.500	479.000	-4.00	-3.50	479.380	-4.00	1310	+	0.00	8397760.70	313005.123	477.375	479.520	2.14	3.500	479.380	-4.00	5.50	479.000	-4.00
-5.500	479.007	-4.00	-3.50	479.387	-4.00	1311	+	0.00	8397775.565	312991.743	477.622	479.527	1.90	3.500	479.387	-4.00	5.50	479.007	-4.00
-5.500	479.061	-4.00	-3.50	479.441	-4.00	1312	+	0.00	8397790.430	312978.363	478.100	479.581	1.48	3.500	479.441	-4.00	5.50	479.061	-4.00
-5.500	479.155	-4.00	-3.50	479.535	-4.00	1313	+	0.00	8397805.295	312964.982	478.400	479.675	1.28	3.500	479.535	-4.00	5.50	479.155	-4.00
-5.500	479.255	-4.00	-3.50	479.635	-4.00	1314	+	0.00	8397820.160	312951.602	478.494	479.775	1.28	3.500	479.635	-4.00	5.50	479.255	-4.00
-5.500	479.355	-4.00	-3.50	479.735	-4.00	1315	+	0.00	8397835.025	312938.222	478.511	479.875	1.36	3.500	479.735	-4.00	5.50	479.355	-4.00
-5.500	479.455	-4.00	-3.50	479.835	-4.00	1316	+	0.00	8397849.890	312924.842	478.365	479.975	1.61	3.500	479.835	-4.00	5.50	479.455	-4.00
-5.500	479.555	-4.00	-3.50	479.935	-4.00	1317	+	0.00	8397864.755	312911.461	478.154	480.075	1.92	3.500	479.935	-4.00	5.50	479.555	-4.00
-5.500	479.655	-4.00	-3.50	480.035	-4.00	1318	+	0.00	8397879.620	312898.081	478.011	480.175	2.16	3.500	480.035	-4.00	5.50	479.655	-4.00
-5.500	479.755	-4.00	-3.50	480.135	-4.00	1319	+	0.00	8397894.485	312884.701	477.700	480.275	2.57	3.500	480.135	-4.00	5.50	479.755	-4.00
-5.500	479.855	-4.00	-3.50	480.235	-4.00	1320	+	0.00	8397909.350	312871.321	477.689	480.375	2.69	3.500	480.235	-4.00	5.50	479.855	-4.00
-5.500	479.955	-4.00	-3.50	480.335	-4.00	1321	+	0.00	8397924.216	312857.941	477.978	480.475	2.50	3.500	480.335	-4.00	5.50	479.955	-4.00
-5.500	480.055	-4.00	-3.50	480.435	-4.00	1322	+	0.00	8397939.081	312844.560	478.113	480.575	2.46	3.500	480.435	-4.00	5.50	480.055	-4.00
-5.500	480.155	-4.00	-3.50	480.535	-4.00	1323	+	0.00	8397953.946	312831.180	478.188	480.675	2.49	3.500	480.535	-4.00	5.50	480.155	-4.00
-5.500	480.255	-4.00	-3.50	480.635	-4.00	1324	+	0.00	8397968.811	312817.80	478.146	480.775	2.63	3.500	480.635	-4.00	5.50	480.255	-4.00
-5.500	480.355	-4.00	-3.50	480.735	-4.00	1325	+	0.00	8397983.676	312804.420	478.155	480.875	2.72	3.500	480.735	-4.00	5.50	480.355	-4.00
-5.500	480.455	-4.00	-3.50	480.835	-4.00	1326	+	0.00	8397998.541	312791.040	478.230	480.975	2.75	3.500	480.835	-4.00	5.50	480.455	-4.00
-5.500	480.555	-4.00	-3.50	480.935	-4.00	1327	+	0.00	8398013.406	312777.659	478.073	481.075	3.00	3.500	480.935	-4.00	5.50	480.555	-4.00
-5.500	480.655	-4.00	-3.50	481.035	-4.00	1328	+	0.00	8398028.271	312764.279	478.018	481.175	3.16	3.500	481.035	-4.00	5.50	480.655	-4.00
-5.500	480.755	-4.00	-3.50	481.135	-4.00	1329	+	0.00	8398043.136	312750.899	477.796	481.275	3.48	3.500	481.135	-4.00	5.50	480.755	-4.00
-5.500	480.855	-4.00	-3.50	481.235	-4.00	1330	+	0.00	8398058.001	312737.519	477.425	481.375	3.95	3.500	481.235	-4.00	5.50	480.855	-4.00
-5.500	480.955	-4.00	-3.50	481.335	-4.00	1331	+	0.00	8398072.866	312724.138	477.040	481.475	4.44	3.500	481.335	-4.00	5.50	480.955	-4.00
-5.500	481.055	-4.00	-3.50	481.435	-4.00	1332	+	0.00	8398087.731	312710.758	476.775	481.575	4.80	3.500	481.435	-4.00	5.50	481.055	-4.00
-5.500	481.155	-4.00	-3.50	481.535	-4.00	1333	+	0.00	8398102.596	312697.378	476.821	481.675	4.85	3.500	481.535	-4.00	5.50	481.155	-4.00
-5.500	481.255	-4.00	-3.50	481.635	-4.00	1334	+	0.00	8398117.461	312683.998	476.911	481.775	4.86	3.500	481.635	-4.00	5.50	481.255	-4.00
-5.500	481.355	-4.00	-3.50	481.735	-4.00	1335	+	0.00	8398132.326	312670.618	477.098	481.875	4.78	3.500	481.735	-4.00	5.50	481.355	-4.00
-5.500	481.455	-4.00	-3.50	481.835	-4.00	1336	+	0.00	8398147.191	312657.237	477.359	481.975	4.62	3.500	481.835	-4.00	5.50	481.455	-4.00
-5.500	481.555	-4.00	-3.50	481.935	-4.00	1337	+	0.00	8398162.056	312643.857	477.872	482.075	4.20	3.500	481.935	-4.00	5.50	481.555	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	481.655	-4.00	-3.50	482.035	-4.00	1338	+	0.00	8398176.921	312630.477	478.191	482.175	3.98	3.500	482.035	-4.00	5.50	481.655	-4.00
-5.500	481.755	-4.00	-3.50	482.135	-4.00	1339	+	0.00	8398191.786	312617.097	478.180	482.275	4.09	3.500	482.135	-4.00	5.50	481.755	-4.00
-5.500	481.855	-4.00	-3.50	482.235	-4.00	1340	+	0.00	8398206.652	312603.717	478.022	482.375	4.35	3.500	482.235	-4.00	5.50	481.855	-4.00
-5.500	481.955	-4.00	-3.50	482.335	-4.00	1341	+	0.00	8398221.517	312590.336	477.441	482.475	5.03	3.500	482.335	-4.00	5.50	481.955	-4.00
-5.500	482.055	-4.00	-3.50	482.435	-4.00	1342	+	0.00	8398236.382	312576.956	476.941	482.575	5.63	3.500	482.435	-4.00	5.50	482.055	-4.00
-5.500	482.155	-4.00	-3.50	482.535	-4.00	1343	+	0.00	8398251.247	312563.576	476.770	482.675	5.91	3.500	482.535	-4.00	5.50	482.155	-4.00
-5.500	482.255	-4.00	-3.50	482.635	-4.00	1344	+	0.00	8398266.112	312550.196	476.641	482.775	6.13	3.500	482.635	-4.00	5.50	482.255	-4.00
-5.500	482.355	-4.00	-3.50	482.735	-4.00	1345	+	0.00	8398280.977	312536.815	476.714	482.875	6.16	3.500	482.735	-4.00	5.50	482.355	-4.00
-5.500	482.455	-4.00	-3.50	482.835	-4.00	1346	+	0.00	8398295.842	312523.435	476.558	482.975	6.42	3.500	482.835	-4.00	5.50	482.455	-4.00
-5.500	482.555	-4.00	-3.50	482.935	-4.00	1347	+	0.00	8398310.707	312510.055	476.701	483.075	6.37	3.500	482.935	-4.00	5.50	482.555	-4.00
-5.500	482.655	-4.00	-3.50	483.035	-4.00	1348	+	0.00	8398325.572	312496.675	476.885	483.175	6.29	3.500	483.035	-4.00	5.50	482.655	-4.00
-5.500	482.755	-4.00	-3.50	483.135	-4.00	1349	+	0.00	8398340.437	312483.295	476.852	483.275	6.42	3.500	483.135	-4.00	5.50	482.755	-4.00
-5.500	482.855	-4.00	-3.50	483.235	-4.00	1350	+	0.00	8398355.302	312469.914	477.220	483.375	6.15	3.500	483.235	-4.00	5.50	482.855	-4.00
-5.500	482.955	-4.00	-3.50	483.335	-4.00	1351	+	0.00	8398370.167	312456.534	477.432	483.475	6.04	3.500	483.335	-4.00	5.50	482.955	-4.00
-5.500	483.055	-4.00	-3.50	483.435	-4.00	1352	+	0.00	8398385.032	312443.154	477.570	483.575	6.01	3.500	483.435	-4.00	5.50	483.055	-4.00
-5.500	483.148	-4.00	-3.50	483.528	-4.00	1353	+	0.00	8398399.897	312429.774	477.676	483.668	5.99	3.500	483.528	-4.00	5.50	483.148	-4.00
-5.500	483.196	-4.00	-3.50	483.576	-4.00	1354	+	0.00	8398414.762	312416.394	477.612	483.716	6.10	3.500	483.576	-4.00	5.50	483.196	-4.00
-5.500	483.190	-4.00	-3.50	483.570	-4.00	1355	+	0.00	8398429.627	312403.013	477.440	483.710	6.27	3.500	483.570	-4.00	5.50	483.190	-4.00
-5.500	483.132	-4.00	-3.50	483.512	-4.00	1356	+	0.00	8398444.492	312389.633	477.223	483.652	6.43	3.500	483.512	-4.00	5.50	483.132	-4.00
-5.500	483.020	-4.00	-3.50	483.400	-4.00	1357	+	0.00	8398459.357	312376.253	476.977	483.540	6.56	3.500	483.400	-4.00	5.50	483.020	-4.00
-5.500	482.863	-4.00	-3.50	483.243	-4.00	1358	+	0.00	8398474.223	312362.873	476.630	483.383	6.75	3.500	483.243	-4.00	5.50	482.863	-4.00
-5.500	482.699	-4.00	-3.50	483.079	-4.00	1359	+	0.00	8398489.088	312349.492	476.327	483.219	6.89	3.500	483.079	-4.00	5.50	482.699	-4.00
-5.500	482.535	-4.00	-3.50	482.915	-4.00	1360	+	0.00	8398503.953	312336.112	476.090	483.055	6.97	3.500	482.915	-4.00	5.50	482.535	-4.00
-5.500	482.371	-4.00	-3.50	482.751	-4.00	1361	+	0.00	8398518.818	312322.732	476.023	482.891	6.87	3.500	482.751	-4.00	5.50	482.371	-4.00
-5.500	482.207	-4.00	-3.50	482.587	-4.00	1362	+	0.00	8398533.683	312309.352	476.069	482.727	6.66	3.500	482.587	-4.00	5.50	482.207	-4.00
-5.500	482.043	-4.00	-3.50	482.423	-4.00	1363	+	0.00	8398548.548	312295.972	476.074	482.563	6.49	3.500	482.423	-4.00	5.50	482.043	-4.00
-5.500	481.879	-4.00	-3.50	482.259	-4.00	1364	+	0.00	8398563.413	312282.591	476.435	482.399	5.96	3.500	482.259	-4.00	5.50	481.879	-4.00
-5.500	481.715	-4.00	-3.50	482.095	-4.00	1365	+	0.00	8398578.278	312269.211	476.758	482.235	5.48	3.500	482.095	-4.00	5.50	481.715	-4.00
-5.500	481.551	-4.00	-3.50	481.931	-4.00	1366	+	0.00	8398593.143	312255.831	477.127	482.071	4.94	3.500	481.939	-3.76	5.50	481.564	-3.76
-5.500	481.387	-4.00	-3.50	481.767	-4.00	1367	+	0.00	8398608.008	312242.451	477.654	481.907	4.25	3.500	481.867	-1.13	5.50	481.545	-1.13
-5.500	481.223	-4.00	-3.50	481.603	-4.00	1368	+	0.00	8398622.873	312229.071	477.739	481.743	4.00	3.500	481.795	1.49	5.50	481.525	1.49
-5.500	481.211	-4.00	-3.50	481.591	-4.00	1368	+	1.42	8398623.925	312228.124	477.725	481.731	4.01	3.500	481.790	1.68	5.50	481.523	1.68
-5.500	481.052	-4.12	-3.50	481.435	-4.12	1369	+	0.00	8398637.583	312215.520	477.607	481.579	3.97	3.500	481.723	4.12	5.50	481.506	4.12
-5.500	480.884	-4.20	-3.50	481.268	-4.20	1370	+	0.00	8398651.927	312201.584	477.465	481.415	3.95	3.500	481.562	4.20	5.50	481.346	4.20
-5.500	480.832	-4.20	-3.50	481.216	-4.20	1370	+	6.29	8398656.372	312197.110	477.440	481.363	3.92	3.500	481.510	4.20	5.50	481.294	4.20
-5.500	480.720	-4.20	-3.50	481.104	-4.20	1371	+	0.00	8398665.894	312187.270	477.383	481.251	3.87	3.500	481.398	4.20	5.50	481.182	4.20
-5.500	480.567	-4.00	-3.50	480.947	-4.00	1372	+	0.00	8398679.475	312172.589	477.128	481.087	3.96	3.500	481.197	3.15	5.50	480.960	3.15
-5.500	480.475	-4.00	-3.50	480.855	-4.00	1372	+	11.17	8398686.884	312164.237	477.016	480.995	3.98	3.500	481.054	1.68	5.50	480.787	1.68
-5.500	480.403	-4.00	-3.50	480.783	-4.00	1373	+	0.00	8398692.698	312157.584	476.887	480.923	4.04	3.500	480.941	0.52	5.50	480.652	0.52

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	480.239	-4.00	-3.50	480.619	-4.00	1374	+	0.00	8398705.860	312142.525	476.551	480.759	4.21	3.500	480.686	-2.10	5.50	480.344	-2.10
-5.500	480.075	-4.00	-3.50	480.455	-4.00	1375	+	0.00	8398719.021	312127.466	476.240	480.595	4.36	3.500	480.455	-4.00	5.50	480.075	-4.00
-5.500	479.911	-4.00	-3.50	480.291	-4.00	1376	+	0.00	8398732.183	312112.407	475.941	480.431	4.49	3.500	480.291	-4.00	5.50	479.911	-4.00
-5.500	479.747	-4.00	-3.50	480.127	-4.00	1377	+	0.00	8398745.344	312097.348	475.511	480.267	4.76	3.500	480.127	-4.00	5.50	479.747	-4.00
-5.500	479.583	-4.00	-3.50	479.963	-4.00	1378	+	0.00	8398758.505	312082.289	474.796	480.103	5.31	3.500	479.963	-4.00	5.50	479.583	-4.00
-5.500	479.459	-3.27	-3.50	479.825	-3.27	1379	+	0.00	8398771.667	312067.230	474.087	479.939	5.85	3.500	479.799	-4.00	5.50	479.419	-4.00
-5.500	479.401	-1.34	-3.50	479.728	-1.34	1380	+	0.00	8398784.828	312052.170	473.632	479.775	6.14	3.500	479.635	-4.00	5.50	479.255	-4.00
-5.500	479.362	0.00	-3.50	479.662	0.00	1380	+	13.84	8398793.934	312041.752	473.540	479.662	6.12	3.500	479.522	-4.00	5.50	479.142	-4.00
-5.500	479.344	0.60	-3.50	479.632	0.60	1381	+	0.00	8398797.990	312037.112	473.561	479.611	6.05	3.500	479.471	-4.00	5.50	479.091	-4.00
-5.500	479.286	2.53	-3.50	479.536	2.53	1382	+	0.00	8398811.226	312022.118	473.405	479.447	6.04	3.500	479.307	-4.00	5.50	478.927	-4.00
-5.500	479.228	4.46	-3.50	479.439	4.46	1383	+	0.00	8398824.720	312007.357	473.608	479.283	5.68	3.500	479.127	-4.46	5.50	478.738	-4.46
-5.500	479.189	5.80	-3.50	479.373	5.80	1383	+	13.84	8398834.307	311997.380	473.702	479.170	5.47	3.500	478.967	-5.80	5.50	478.551	-5.80
-5.500	479.138	5.80	-3.50	479.322	5.80	1384	+	0.00	8398838.661	311993.018	473.762	479.119	5.36	3.500	478.916	-5.80	5.50	478.500	-5.80
-5.500	478.974	5.80	-3.50	479.158	5.80	1385	+	0.00	8398853.153	311979.237	474.046	478.955	4.91	3.500	478.752	-5.80	5.50	478.336	-5.80
-5.500	478.810	5.80	-3.50	478.994	5.80	1386	+	0.00	8398868.186	311966.047	474.261	478.791	4.53	3.500	478.588	-5.80	5.50	478.172	-5.80
-5.500	478.646	5.80	-3.50	478.830	5.80	1387	+	0.00	8398883.733	311953.469	474.256	478.627	4.37	3.500	478.424	-5.80	5.50	478.008	-5.80
-5.500	478.585	5.80	-3.50	478.769	5.80	1387	+	7.42	8398889.586	311948.985	474.358	478.566	4.21	3.500	478.363	-5.80	5.50	477.947	-5.80
-5.500	478.482	5.80	-3.50	478.666	5.80	1388	+	0.00	8398899.772	311941.522	474.455	478.463	4.01	3.500	478.260	-5.80	5.50	477.844	-5.80
-5.500	478.318	5.80	-3.50	478.502	5.80	1389	+	0.00	8398916.275	311930.227	474.766	478.299	3.53	3.500	478.096	-5.80	5.50	477.680	-5.80
-5.500	478.154	5.80	-3.50	478.338	5.80	1390	+	0.00	8398933.216	311919.60	475.087	478.135	3.05	3.500	477.932	-5.80	5.50	477.516	-5.80
-5.500	477.990	5.80	-3.50	478.174	5.80	1391	+	0.00	8398950.570	311909.659	475.194	477.971	2.78	3.500	477.768	-5.80	5.50	477.352	-5.80
-5.500	477.982	5.80	-3.50	478.166	5.80	1391	+	1.00	8398951.451	311909.179	475.198	477.963	2.77	3.500	477.760	-5.80	5.50	477.344	-5.80
-5.500	477.725	3.96	-3.50	477.946	3.96	1392	+	0.00	8398968.289	311900.386	475.305	477.807	2.50	3.500	477.667	-4.00	5.50	477.287	-4.00
-5.500	477.455	2.03	-3.50	477.714	2.03	1393	+	0.00	8398986.256	311891.601	474.987	477.643	2.66	3.500	477.503	-4.00	5.50	477.123	-4.00
-5.500	477.185	0.10	-3.50	477.483	0.10	1394	+	0.00	8399004.344	311883.068	474.958	477.479	2.52	3.500	477.339	-4.00	5.50	476.959	-4.00
-5.500	477.171	0.00	-3.50	477.471	0.00	1394	+	1.00	8399005.253	311882.642	474.963	477.471	2.51	3.500	477.331	-4.00	5.50	476.951	-4.00
-5.500	476.914	-1.84	-3.50	477.251	-1.84	1395	+	0.00	8399022.454	311874.582	474.860	477.315	2.45	3.500	477.175	-4.00	5.50	476.795	-4.00
-5.500	476.644	-3.77	-3.50	477.019	-3.77	1396	+	0.00	8399040.565	311866.096	474.618	477.151	2.53	3.500	477.011	-4.00	5.50	476.631	-4.00
-5.500	476.467	-4.00	-3.50	476.847	-4.00	1397	+	0.00	8399058.675	311857.609	474.708	476.987	2.28	3.500	476.847	-4.00	5.50	476.467	-4.00
-5.500	476.303	-4.00	-3.50	476.683	-4.00	1398	+	0.00	8399076.785	311849.123	474.721	476.823	2.10	3.500	476.683	-4.00	5.50	476.303	-4.00
-5.500	476.139	-4.00	-3.50	476.519	-4.00	1399	+	0.00	8399094.895	311840.636	475.094	476.659	1.57	3.500	476.519	-4.00	5.50	476.139	-4.00
-5.500	475.975	-4.00	-3.50	476.355	-4.00	1400	+	0.00	8399113.006	311832.150	475.274	476.495	1.22	3.500	476.355	-4.00	5.50	475.975	-4.00
-5.500	475.811	-4.00	-3.50	476.191	-4.00	1401	+	0.00	8399131.116	311823.664	475.224	476.331	1.11	3.500	476.191	-4.00	5.50	475.811	-4.00
-5.500	475.647	-4.00	-3.50	476.027	-4.00	1402	+	0.00	8399149.226	311815.177	474.966	476.167	1.20	3.500	476.027	-4.00	5.50	475.647	-4.00
-5.500	475.490	-4.00	-3.50	475.870	-4.00	1403	+	0.00	8399167.336	311806.691	474.648	476.010	1.36	3.500	475.870	-4.00	5.50	475.490	-4.00
-5.500	475.380	-4.00	-3.50	475.760	-4.00	1404	+	0.00	8399185.447	311798.205	474.480	475.900	1.42	3.500	475.760	-4.00	5.50	475.380	-4.00
-5.500	475.323	-4.00	-3.50	475.703	-4.00	1405	+	0.00	8399203.557	311789.718	474.301	475.843	1.54	3.500	475.703	-4.00	5.50	475.323	-4.00
-5.500	475.321	-4.00	-3.50	475.701	-4.00	1406	+	0.00	8399221.667	311781.232	474.329	475.841	1.51	3.500	475.701	-4.00	5.50	475.321	-4.00
-5.500	475.372	-4.00	-3.50	475.752	-4.00	1407	+	0.00	8399239.777	311772.745	474.352	475.892	1.54	3.500	475.752	-4.00	5.50	475.372	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	475.470	-4.00	-3.50	475.850	-4.00	1408	+	0.00	8399257.888	311764.259	474.372	475.990	1.62	3.500	475.850	-4.00	5.50	475.470	-4.00
-5.500	475.575	-4.00	-3.50	475.955	-4.00	1409	+	0.00	8399275.998	311755.773	474.738	476.095	1.36	3.500	475.955	-4.00	5.50	475.575	-4.00
-5.500	475.680	-4.00	-3.50	476.060	-4.00	1410	+	0.00	8399294.108	311747.286	475.071	476.200	1.13	3.500	476.060	-4.00	5.50	475.680	-4.00
-5.500	475.785	-4.00	-3.50	476.165	-4.00	1411	+	0.00	8399312.218	311738.80	475.508	476.305	0.80	3.500	476.165	-4.00	5.50	475.785	-4.00
-5.500	475.890	-4.00	-3.50	476.270	-4.00	1412	+	0.00	8399330.329	311730.314	475.972	476.410	0.44	3.500	476.270	-4.00	5.50	475.890	-4.00
-5.500	475.995	-4.00	-3.50	476.375	-4.00	1413	+	0.00	8399348.439	311721.827	476.434	476.515	0.08	3.500	476.375	-4.00	5.50	475.995	-4.00
-5.500	476.100	-4.00	-3.50	476.480	-4.00	1414	+	0.00	8399366.549	311713.341	476.763	476.620	-0.14	3.500	476.480	-4.00	5.50	476.100	-4.00
-5.500	476.205	-4.00	-3.50	476.585	-4.00	1415	+	0.00	8399384.659	311704.854	476.850	476.725	-0.13	3.500	476.585	-4.00	5.50	476.205	-4.00
-5.500	476.310	-4.00	-3.50	476.690	-4.00	1416	+	0.00	8399402.770	311696.368	476.737	476.830	0.09	3.500	476.690	-4.00	5.50	476.310	-4.00
-5.500	476.415	-4.00	-3.50	476.795	-4.00	1417	+	0.00	8399420.880	311687.882	476.709	476.935	0.23	3.500	476.795	-4.00	5.50	476.415	-4.00
-5.500	476.520	-4.00	-3.50	476.900	-4.00	1418	+	0.00	8399438.990	311679.395	476.721	477.040	0.32	3.500	476.900	-4.00	5.50	476.520	-4.00
-5.500	476.625	-4.00	-3.50	477.005	-4.00	1419	+	0.00	8399457.101	311670.909	476.748	477.145	0.40	3.500	477.005	-4.00	5.50	476.625	-4.00
-5.500	476.730	-4.00	-3.50	477.110	-4.00	1420	+	0.00	8399475.211	311662.423	476.496	477.250	0.75	3.500	477.110	-4.00	5.50	476.730	-4.00
-5.500	476.835	-4.00	-3.50	477.215	-4.00	1421	+	0.00	8399493.321	311653.936	476.333	477.355	1.02	3.500	477.215	-4.00	5.50	476.835	-4.00
-5.500	476.940	-4.00	-3.50	477.320	-4.00	1422	+	0.00	8399511.431	311645.450	476.267	477.460	1.19	3.500	477.320	-4.00	5.50	476.940	-4.00
-5.500	477.045	-4.00	-3.50	477.425	-4.00	1423	+	0.00	8399529.542	311636.963	476.049	477.565	1.52	3.500	477.425	-4.00	5.50	477.045	-4.00
-5.500	477.150	-4.00	-3.50	477.530	-4.00	1424	+	0.00	8399547.652	311628.477	475.706	477.670	1.96	3.500	477.530	-4.00	5.50	477.150	-4.00
-5.500	477.255	-4.00	-3.50	477.635	-4.00	1425	+	0.00	8399565.762	311619.991	475.551	477.775	2.22	3.500	477.635	-4.00	5.50	477.255	-4.00
-5.500	477.360	-4.00	-3.50	477.740	-4.00	1426	+	0.00	8399583.872	311611.504	475.454	477.880	2.43	3.500	477.780	-2.86	5.50	477.423	-2.86
-5.500	477.465	-4.00	-3.50	477.845	-4.00	1427	+	0.00	8399601.983	311603.018	475.462	477.985	2.52	3.500	477.979	-0.18	5.50	477.675	-0.18
-5.500	477.545	-4.00	-3.50	477.925	-4.00	1427	+	15.33	8399615.860	311596.515	475.542	478.065	2.52	3.500	478.131	1.88	5.50	477.868	1.88
-5.500	477.570	-4.00	-3.50	477.950	-4.00	1428	+	0.00	8399620.086	311594.516	475.556	478.090	2.53	3.500	478.178	2.51	5.50	477.928	2.51
-5.500	477.637	-4.70	-3.50	478.031	-4.70	1429	+	0.00	8399637.999	311585.624	475.662	478.195	2.53	3.500	478.360	4.70	5.50	478.154	4.70
-5.500	477.742	-4.70	-3.50	478.136	-4.70	1430	+	0.00	8399655.630	311576.184	475.859	478.300	2.44	3.500	478.465	4.70	5.50	478.259	4.70
-5.500	477.847	-4.70	-3.50	478.241	-4.70	1431	+	0.00	8399672.963	311566.207	475.985	478.405	2.42	3.500	478.570	4.70	5.50	478.364	4.70
-5.500	477.903	-4.70	-3.50	478.297	-4.70	1431	+	10.74	8399682.159	311560.569	476.310	478.461	2.15	3.500	478.626	4.70	5.50	478.420	4.70
-5.500	477.952	-4.70	-3.50	478.346	-4.70	1432	+	0.00	8399689.980	311555.701	476.447	478.510	2.06	3.500	478.675	4.70	5.50	478.469	4.70
-5.500	478.057	-4.70	-3.50	478.451	-4.70	1433	+	0.00	8399706.666	311544.676	476.793	478.615	1.82	3.500	478.780	4.70	5.50	478.574	4.70
-5.500	478.162	-4.70	-3.50	478.556	-4.70	1434	+	0.00	8399723.006	311533.143	476.994	478.720	1.73	3.500	478.885	4.70	5.50	478.679	4.70
-5.500	478.305	-4.00	-3.50	478.685	-4.00	1435	+	0.00	8399738.982	311521.113	477.176	478.825	1.65	3.500	478.920	2.71	5.50	478.674	2.71
-5.500	478.337	-4.00	-3.50	478.717	-4.00	1435	+	6.16	8399743.824	311517.312	477.207	478.857	1.65	3.500	478.923	1.88	5.50	478.660	1.88
-5.500	478.410	-4.00	-3.50	478.790	-4.00	1436	+	0.00	8399754.673	311508.713	477.215	478.930	1.72	3.500	478.931	0.02	5.50	478.631	0.02
-5.500	478.515	-4.00	-3.50	478.895	-4.00	1437	+	0.00	8399770.347	311496.289	477.233	479.035	1.80	3.500	478.942	-2.66	5.50	478.589	-2.66
-5.500	478.620	-4.00	-3.50	479.000	-4.00	1438	+	0.00	8399786.020	311483.865	477.211	479.140	1.93	3.500	479.015	-3.56	5.50	478.644	-3.56
-5.500	478.725	-4.00	-3.50	479.105	-4.00	1439	+	0.00	8399801.693	311471.441	477.164	479.245	2.08	3.500	479.238	-0.19	5.50	478.935	-0.19
-5.500	478.731	-4.00	-3.50	479.111	-4.00	1439	+	1.14	8399802.586	311470.734	477.164	479.251	2.09	3.500	479.251	0.00	5.50	478.951	0.00
-5.500	478.830	-4.00	-3.50	479.210	-4.00	1440	+	0.00	8399817.336	311458.980	477.015	479.350	2.34	3.500	479.425	2.15	5.50	479.168	2.15
-5.500	478.912	-4.42	-3.50	479.300	-4.42	1441	+	0.00	8399832.775	311446.266	476.942	479.455	2.51	3.500	479.610	4.42	5.50	479.398	4.42
-5.500	478.892	-6.60	-3.50	479.324	-6.60	1441	+	19.14	8399847.144	311433.626	476.903	479.555	2.65	3.500	479.786	6.60	5.50	479.618	6.60

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	478.897	-6.60	-3.50	479.329	-6.60	1442	+	0.00	8399847.778	311433.043	476.906	479.560	2.65	3.500	479.791	6.60	5.50	479.623	6.60
-5.500	479.002	-6.60	-3.50	479.434	-6.60	1443	+	0.00	8399862.136	311419.123	476.859	479.665	2.81	3.500	479.896	6.60	5.50	479.728	6.60
-5.500	479.107	-6.60	-3.50	479.539	-6.60	1444	+	0.00	8399875.780	311404.503	476.910	479.770	2.86	3.500	480.001	6.60	5.50	479.833	6.60
-5.500	479.212	-6.60	-3.50	479.644	-6.60	1445	+	0.00	8399888.676	311389.219	477.055	479.875	2.82	3.500	480.106	6.60	5.50	479.938	6.60
-5.500	479.317	-6.60	-3.50	479.749	-6.60	1446	+	0.00	8399900.793	311373.310	477.323	479.980	2.66	3.500	480.211	6.60	5.50	480.043	6.60
-5.500	479.422	-6.60	-3.50	479.854	-6.60	1447	+	0.00	8399912.099	311356.815	477.558	480.085	2.53	3.500	480.316	6.60	5.50	480.148	6.60
-5.500	479.527	-6.60	-3.50	479.959	-6.60	1448	+	0.00	8399922.567	311339.776	477.754	480.190	2.44	3.500	480.421	6.60	5.50	480.253	6.60
-5.500	479.632	-6.60	-3.50	480.064	-6.60	1449	+	0.00	8399932.170	311322.234	477.972	480.295	2.32	3.500	480.526	6.60	5.50	480.358	6.60
-5.500	479.691	-6.60	-3.50	480.123	-6.60	1449	+	11.25	8399937.152	311312.146	478.054	480.354	2.30	3.500	480.585	6.60	5.50	480.417	6.60
-5.500	479.737	-6.60	-3.50	480.169	-6.60	1450	+	0.00	8399940.885	311304.235	478.089	480.400	2.31	3.500	480.631	6.60	5.50	480.463	6.60
-5.500	479.842	-6.60	-3.50	480.274	-6.60	1451	+	0.00	8399948.689	311285.823	478.421	480.505	2.08	3.500	480.736	6.60	5.50	480.568	6.60
-5.500	479.947	-6.60	-3.50	480.379	-6.60	1452	+	0.00	8399955.563	311267.043	478.611	480.610	2.00	3.500	480.841	6.60	5.50	480.673	6.60
-5.500	480.052	-6.60	-3.50	480.484	-6.60	1453	+	0.00	8399961.489	311247.944	478.623	480.715	2.09	3.500	480.946	6.60	5.50	480.778	6.60
-5.500	480.157	-6.60	-3.50	480.589	-6.60	1454	+	0.00	8399966.454	311228.572	478.257	480.820	2.56	3.500	481.051	6.60	5.50	480.883	6.60
-5.500	480.262	-6.60	-3.50	480.694	-6.60	1455	+	0.00	8399970.445	311208.976	478.405	480.925	2.52	3.500	481.156	6.60	5.50	480.988	6.60
-5.500	480.367	-6.60	-3.50	480.799	-6.60	1456	+	0.00	8399973.451	311189.205	478.366	481.030	2.66	3.500	481.261	6.60	5.50	481.093	6.60
-5.500	480.472	-6.60	-3.50	480.904	-6.60	1457	+	0.00	8399975.465	311169.309	478.399	481.135	2.74	3.500	481.366	6.60	5.50	481.198	6.60
-5.500	480.490	-6.60	-3.50	480.922	-6.60	1457	+	3.36	8399975.705	311165.956	478.395	481.153	2.76	3.500	481.384	6.60	5.50	481.216	6.60
-5.500	480.613	-5.95	-3.50	481.032	-5.95	1458	+	0.00	8399976.515	311149.338	478.335	481.240	2.91	3.500	481.378	3.94	5.50	481.157	3.94
-5.500	480.761	-5.16	-3.50	481.164	-5.16	1459	+	0.00	8399976.853	311129.342	478.292	481.345	3.05	3.500	481.371	0.74	5.50	481.086	0.74
-5.500	480.909	-4.38	-3.50	481.297	-4.38	1460	+	0.00	8399976.823	311109.342	478.102	481.450	3.35	3.500	481.364	-2.46	5.50	481.015	-2.46
-5.500	480.919	-4.32	-3.50	481.306	-4.32	1460	+	1.36	8399976.816	311107.981	478.084	481.457	3.37	3.500	481.363	-2.68	5.50	481.010	-2.68
-5.500	481.056	-3.61	-3.50	481.429	-3.61	1461	+	0.00	8399976.722	311089.342	477.773	481.555	3.78	3.500	481.415	-4.00	5.50	481.035	-4.00
-5.500	481.309	-0.92	-3.50	481.628	-0.92	1462	+	0.00	8399976.622	311069.342	477.500	481.660	4.16	3.500	481.520	-4.00	5.50	481.140	-4.00
-5.500	481.557	1.76	-3.50	481.822	1.76	1463	+	0.00	8399976.522	311049.343	477.169	481.760	4.59	3.500	481.620	-4.00	5.50	481.240	-4.00
-5.500	481.566	1.88	-3.50	481.829	1.88	1463	+	0.88	8399976.517	311048.466	477.151	481.763	4.61	3.500	481.623	-4.00	5.50	481.243	-4.00
-5.500	481.768	4.45	-3.50	481.979	4.45	1464	+	0.00	8399976.703	311029.344	476.882	481.823	4.94	3.500	481.667	-4.45	5.50	481.278	-4.45
-5.500	481.803	4.70	-3.50	482.009	4.70	1465	+	0.00	8399977.498	311009.361	476.629	481.844	5.21	3.500	481.680	-4.70	5.50	481.286	-4.70
-5.500	481.783	4.70	-3.50	481.989	4.70	1466	+	0.00	8399978.908	310989.411	476.502	481.824	5.32	3.500	481.660	-4.70	5.50	481.266	-4.70
-5.500	481.776	4.70	-3.50	481.982	4.70	1466	+	3.04	8399979.169	310986.390	476.472	481.817	5.35	3.500	481.653	-4.70	5.50	481.259	-4.70
-5.500	481.721	4.70	-3.50	481.927	4.70	1467	+	0.00	8399980.931	310969.515	476.374	481.762	5.39	3.500	481.598	-4.70	5.50	481.204	-4.70
-5.500	481.622	4.70	-3.50	481.828	4.70	1468	+	0.00	8399983.566	310949.690	476.319	481.663	5.34	3.500	481.499	-4.70	5.50	481.105	-4.70
-5.500	481.401	2.58	-3.50	481.649	2.58	1469	+	0.00	8399986.808	310929.955	476.367	481.559	5.19	3.500	481.419	-4.00	5.50	481.039	-4.00
-5.500	481.335	1.88	-3.50	481.598	1.88	1469	+	5.21	8399987.752	310924.834	476.379	481.532	5.15	3.500	481.392	-4.00	5.50	481.012	-4.00
-5.500	481.149	-0.11	-3.50	481.451	-0.11	1470	+	0.00	8399990.492	310910.297	476.523	481.455	4.93	3.500	481.315	-4.00	5.50	480.935	-4.00
-5.500	480.898	-2.79	-3.50	481.253	-2.79	1471	+	0.00	8399994.195	310890.643	476.560	481.351	4.79	3.500	481.211	-4.00	5.50	480.831	-4.00
-5.500	480.727	-4.00	-3.50	481.107	-4.00	1472	+	0.00	8399997.899	310870.989	476.642	481.247	4.61	3.500	481.107	-4.00	5.50	480.727	-4.00
-5.500	480.623	-4.00	-3.50	481.003	-4.00	1473	+	0.00	8400001.603	310851.335	477.020	481.143	4.12	3.500	481.003	-4.00	5.50	480.623	-4.00
-5.500	480.519	-4.00	-3.50	480.899	-4.00	1474	+	0.00	8400005.307	310831.681	477.139	481.039	3.90	3.500	480.899	-4.00	5.50	480.519	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	480.415	-4.00	-3.50	480.795	-4.00	1475	+	0.00	8400009.010	310812.027	477.229	480.935	3.71	3.500	480.795	-4.00	5.50	480.415	-4.00
-5.500	480.311	-4.00	-3.50	480.691	-4.00	1476	+	0.00	8400012.714	310792.373	477.180	480.831	3.65	3.500	480.691	-4.00	5.50	480.311	-4.00
-5.500	480.207	-4.00	-3.50	480.587	-4.00	1477	+	0.00	8400016.418	310772.719	477.153	480.727	3.57	3.500	480.587	-4.00	5.50	480.207	-4.00
-5.500	480.103	-4.00	-3.50	480.483	-4.00	1478	+	0.00	8400020.122	310753.065	477.140	480.623	3.48	3.500	480.483	-4.00	5.50	480.103	-4.00
-5.500	479.999	-4.00	-3.50	480.379	-4.00	1479	+	0.00	8400023.825	310733.411	476.996	480.519	3.52	3.500	480.379	-4.00	5.50	479.999	-4.00
-5.500	479.895	-4.00	-3.50	480.275	-4.00	1480	+	0.00	8400027.529	310713.757	476.958	480.415	3.46	3.500	480.275	-4.00	5.50	479.895	-4.00
-5.500	479.791	-4.00	-3.50	480.171	-4.00	1481	+	0.00	8400031.233	310694.103	476.801	480.311	3.51	3.500	480.171	-4.00	5.50	479.791	-4.00
-5.500	479.687	-4.00	-3.50	480.067	-4.00	1482	+	0.00	8400034.937	310674.449	476.645	480.207	3.56	3.500	480.067	-4.00	5.50	479.687	-4.00
-5.500	479.583	-4.00	-3.50	479.963	-4.00	1483	+	0.00	8400038.640	310654.795	476.453	480.103	3.65	3.500	479.963	-4.00	5.50	479.583	-4.00
-5.500	479.479	-4.00	-3.50	479.859	-4.00	1484	+	0.00	8400042.344	310635.141	476.308	479.999	3.69	3.500	479.859	-4.00	5.50	479.479	-4.00
-5.500	479.375	-4.00	-3.50	479.755	-4.00	1485	+	0.00	8400046.048	310615.486	476.203	479.895	3.69	3.500	479.755	-4.00	5.50	479.375	-4.00
-5.500	479.271	-4.00	-3.50	479.651	-4.00	1486	+	0.00	8400049.752	310595.832	476.062	479.791	3.73	3.500	479.651	-4.00	5.50	479.271	-4.00
-5.500	479.167	-4.00	-3.50	479.547	-4.00	1487	+	0.00	8400053.455	310576.178	476.030	479.687	3.66	3.500	479.547	-4.00	5.50	479.167	-4.00
-5.500	479.063	-4.00	-3.50	479.443	-4.00	1488	+	0.00	8400057.159	310556.524	476.074	479.583	3.51	3.500	479.443	-4.00	5.50	479.063	-4.00
-5.500	478.959	-4.00	-3.50	479.339	-4.00	1489	+	0.00	8400060.863	310536.870	476.109	479.479	3.37	3.500	479.339	-4.00	5.50	478.959	-4.00
-5.500	478.855	-4.00	-3.50	479.235	-4.00	1490	+	0.00	8400064.567	310517.216	476.098	479.375	3.28	3.500	479.235	-4.00	5.50	478.855	-4.00
-5.500	478.751	-4.00	-3.50	479.131	-4.00	1491	+	0.00	8400068.270	310497.562	476.010	479.271	3.26	3.500	479.131	-4.00	5.50	478.751	-4.00
-5.500	478.647	-4.00	-3.50	479.027	-4.00	1492	+	0.00	8400071.974	310477.908	475.946	479.167	3.22	3.500	479.027	-4.00	5.50	478.647	-4.00
-5.500	478.543	-4.00	-3.50	478.923	-4.00	1493	+	0.00	8400075.678	310458.254	475.929	479.063	3.13	3.500	478.923	-4.00	5.50	478.543	-4.00
-5.500	478.439	-4.00	-3.50	478.819	-4.00	1494	+	0.00	8400079.382	310438.60	475.876	478.959	3.08	3.500	478.819	-4.00	5.50	478.439	-4.00
-5.500	478.335	-4.00	-3.50	478.715	-4.00	1495	+	0.00	8400083.085	310418.946	475.846	478.855	3.01	3.500	478.715	-4.00	5.50	478.335	-4.00
-5.500	478.231	-4.00	-3.50	478.611	-4.00	1496	+	0.00	8400086.789	310399.292	475.872	478.751	2.88	3.500	478.611	-4.00	5.50	478.231	-4.00
-5.500	478.127	-4.00	-3.50	478.507	-4.00	1497	+	0.00	8400090.493	310379.638	475.877	478.647	2.77	3.500	478.507	-4.00	5.50	478.127	-4.00
-5.500	478.023	-4.00	-3.50	478.403	-4.00	1498	+	0.00	8400094.197	310359.984	475.880	478.543	2.66	3.500	478.403	-4.00	5.50	478.023	-4.00
-5.500	477.919	-4.00	-3.50	478.299	-4.00	1499	+	0.00	8400097.90	310340.330	475.894	478.439	2.55	3.500	478.299	-4.00	5.50	477.919	-4.00
-5.500	477.815	-4.00	-3.50	478.195	-4.00	1500	+	0.00	8400101.604	310320.676	475.833	478.335	2.50	3.500	478.195	-4.00	5.50	477.815	-4.00
-5.500	477.711	-4.00	-3.50	478.091	-4.00	1501	+	0.00	8400105.308	310301.021	475.865	478.231	2.37	3.500	478.091	-4.00	5.50	477.711	-4.00
-5.500	477.607	-4.00	-3.50	477.987	-4.00	1502	+	0.00	8400109.012	310281.367	475.857	478.127	2.27	3.500	477.987	-4.00	5.50	477.607	-4.00
-5.500	477.503	-4.00	-3.50	477.883	-4.00	1503	+	0.00	8400112.715	310261.713	475.837	478.023	2.19	3.500	477.883	-4.00	5.50	477.503	-4.00
-5.500	477.399	-4.00	-3.50	477.779	-4.00	1504	+	0.00	8400116.419	310242.059	475.774	477.919	2.14	3.500	477.779	-4.00	5.50	477.399	-4.00
-5.500	477.295	-4.00	-3.50	477.675	-4.00	1505	+	0.00	8400120.123	310222.405	475.779	477.815	2.04	3.500	477.675	-4.00	5.50	477.295	-4.00
-5.500	477.191	-4.00	-3.50	477.571	-4.00	1506	+	0.00	8400123.827	310202.751	475.746	477.711	1.97	3.500	477.571	-4.00	5.50	477.191	-4.00
-5.500	477.087	-4.00	-3.50	477.467	-4.00	1507	+	0.00	8400127.530	310183.097	475.851	477.607	1.76	3.500	477.467	-4.00	5.50	477.087	-4.00
-5.500	476.983	-4.00	-3.50	477.363	-4.00	1508	+	0.00	8400131.234	310163.443	475.876	477.503	1.63	3.500	477.363	-4.00	5.50	476.983	-4.00
-5.500	476.879	-4.00	-3.50	477.259	-4.00	1509	+	0.00	8400134.938	310143.789	476.001	477.399	1.40	3.500	477.259	-4.00	5.50	476.879	-4.00
-5.500	476.775	-4.00	-3.50	477.155	-4.00	1510	+	0.00	8400138.642	310124.135	476.062	477.295	1.23	3.500	477.155	-4.00	5.50	476.775	-4.00
-5.500	476.671	-4.00	-3.50	477.051	-4.00	1511	+	0.00	8400142.345	310104.481	476.034	477.191	1.16	3.500	477.051	-4.00	5.50	476.671	-4.00
-5.500	476.567	-4.00	-3.50	476.947	-4.00	1512	+	0.00	8400146.049	310084.827	476.027	477.087	1.06	3.500	476.947	-4.00	5.50	476.567	-4.00
-5.500	476.463	-4.00	-3.50	476.843	-4.00	1513	+	0.00	8400149.753	310065.173	476.021	476.983	0.96	3.500	476.843	-4.00	5.50	476.463	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	476.359	-4.00	-3.50	476.739	-4.00	1514	+	0.00	8400153.457	310045.519	475.914	476.879	0.97	3.500	476.739	-4.00	5.50	476.359	-4.00
-5.500	476.255	-4.00	-3.50	476.635	-4.00	1515	+	0.00	8400157.160	310025.865	475.778	476.775	1.00	3.500	476.635	-4.00	5.50	476.255	-4.00
-5.500	476.151	-4.00	-3.50	476.531	-4.00	1516	+	0.00	8400160.864	310006.211	475.758	476.671	0.91	3.500	476.531	-4.00	5.50	476.151	-4.00
-5.500	476.047	-4.00	-3.50	476.427	-4.00	1517	+	0.00	8400164.568	309986.556	475.775	476.567	0.79	3.500	476.427	-4.00	5.50	476.047	-4.00
-5.500	475.943	-4.00	-3.50	476.323	-4.00	1518	+	0.00	8400168.272	309966.902	475.812	476.463	0.65	3.500	476.323	-4.00	5.50	475.943	-4.00
-5.500	475.839	-4.00	-3.50	476.219	-4.00	1519	+	0.00	8400171.975	309947.248	475.828	476.359	0.53	3.500	476.219	-4.00	5.50	475.839	-4.00
-5.500	475.735	-4.00	-3.50	476.115	-4.00	1520	+	0.00	8400175.679	309927.594	475.799	476.255	0.46	3.500	476.115	-4.00	5.50	475.735	-4.00
-5.500	475.631	-4.00	-3.50	476.011	-4.00	1521	+	0.00	8400179.383	309907.940	475.822	476.151	0.33	3.500	476.011	-4.00	5.50	475.631	-4.00
-5.500	475.527	-4.00	-3.50	475.907	-4.00	1522	+	0.00	8400183.087	309888.286	475.770	476.047	0.28	3.500	475.907	-4.00	5.50	475.527	-4.00
-5.500	475.423	-4.00	-3.50	475.803	-4.00	1523	+	0.00	8400186.790	309868.632	475.730	475.943	0.21	3.500	475.803	-4.00	5.50	475.423	-4.00
-5.500	475.319	-4.00	-3.50	475.699	-4.00	1524	+	0.00	8400190.494	309848.978	475.646	475.839	0.19	3.500	475.699	-4.00	5.50	475.319	-4.00
-5.500	475.215	-4.00	-3.50	475.595	-4.00	1525	+	0.00	8400194.198	309829.324	475.505	475.735	0.23	3.500	475.595	-4.00	5.50	475.215	-4.00
-5.500	475.111	-4.00	-3.50	475.491	-4.00	1526	+	0.00	8400197.902	309809.670	475.337	475.631	0.29	3.500	475.491	-4.00	5.50	475.111	-4.00
-5.500	475.007	-4.00	-3.50	475.387	-4.00	1527	+	0.00	8400201.605	309790.016	475.152	475.527	0.38	3.500	475.387	-4.00	5.50	475.007	-4.00
-5.500	474.903	-4.00	-3.50	475.283	-4.00	1528	+	0.00	8400205.309	309770.362	474.960	475.423	0.46	3.500	475.283	-4.00	5.50	474.903	-4.00
-5.500	474.799	-4.00	-3.50	475.179	-4.00	1529	+	0.00	8400209.013	309750.708	474.689	475.319	0.63	3.500	475.179	-4.00	5.50	474.799	-4.00
-5.500	474.695	-4.00	-3.50	475.075	-4.00	1530	+	0.00	8400212.717	309731.054	474.291	475.215	0.92	3.500	475.103	-3.19	5.50	474.740	-3.19
-5.500	474.591	-4.00	-3.50	474.971	-4.00	1531	+	0.00	8400216.420	309711.40	474.015	475.111	1.10	3.500	475.091	-0.57	5.50	474.780	-0.57
-5.500	474.502	-4.00	-3.50	474.882	-4.00	1531	+	17.14	8400219.594	309694.559	473.839	475.022	1.18	3.500	475.081	1.68	5.50	474.814	1.68
-5.500	474.487	-4.00	-3.50	474.867	-4.00	1532	+	0.00	8400220.119	309691.744	473.794	475.007	1.21	3.500	475.079	2.06	5.50	474.820	2.06
-5.500	474.372	-4.20	-3.50	474.756	-4.20	1533	+	0.00	8400223.485	309672.030	473.433	474.903	1.47	3.500	475.050	4.20	5.50	474.834	4.20
-5.500	474.268	-4.20	-3.50	474.652	-4.20	1534	+	0.00	8400226.324	309652.234	473.289	474.799	1.51	3.500	474.946	4.20	5.50	474.730	4.20
-5.500	474.207	-4.20	-3.50	474.591	-4.20	1534	+	11.74	8400227.729	309640.559	473.255	474.738	1.48	3.500	474.885	4.20	5.50	474.669	4.20
-5.500	474.164	-4.20	-3.50	474.548	-4.20	1535	+	0.00	8400228.634	309632.368	473.250	474.695	1.44	3.500	474.842	4.20	5.50	474.626	4.20
-5.500	474.060	-4.20	-3.50	474.444	-4.20	1536	+	0.00	8400230.414	309612.448	473.072	474.591	1.52	3.500	474.738	4.20	5.50	474.522	4.20
-5.500	473.967	-4.00	-3.50	474.347	-4.00	1537	+	0.00	8400231.662	309592.488	473.120	474.487	1.37	3.500	474.575	2.51	5.50	474.325	2.51
-5.500	473.934	-4.00	-3.50	474.314	-4.00	1537	+	6.33	8400231.946	309586.161	473.187	474.454	1.27	3.500	474.513	1.68	5.50	474.246	1.68
-5.500	473.868	-4.00	-3.50	474.248	-4.00	1538	+	0.00	8400232.502	309572.505	473.331	474.388	1.06	3.500	474.384	-0.11	5.50	474.082	-0.11
-5.500	473.805	-4.00	-3.50	474.185	-4.00	1539	+	0.00	8400233.315	309552.522	473.322	474.325	1.00	3.500	474.229	-2.74	5.50	473.874	-2.74
-5.500	473.783	-4.00	-3.50	474.163	-4.00	1540	+	0.00	8400234.128	309532.538	473.184	474.303	1.12	3.500	474.163	-4.00	5.50	473.783	-4.00
-5.500	473.803	-4.00	-3.50	474.183	-4.00	1541	+	0.00	8400234.942	309512.555	473.261	474.323	1.06	3.500	474.183	-4.00	5.50	473.803	-4.00
-5.500	473.863	-4.00	-3.50	474.243	-4.00	1542	+	0.00	8400235.755	309492.571	473.329	474.383	1.05	3.500	474.243	-4.00	5.50	473.863	-4.00
-5.500	473.959	-4.00	-3.50	474.339	-4.00	1543	+	0.00	8400236.568	309472.588	473.408	474.479	1.07	3.500	474.339	-4.00	5.50	473.959	-4.00
-5.500	474.060	-4.00	-3.50	474.440	-4.00	1544	+	0.00	8400237.381	309452.604	473.307	474.580	1.27	3.500	474.440	-4.00	5.50	474.060	-4.00
-5.500	474.162	-4.00	-3.50	474.542	-4.00	1545	+	0.00	8400238.194	309432.621	473.216	474.682	1.47	3.500	474.542	-4.00	5.50	474.162	-4.00
-5.500	474.263	-4.00	-3.50	474.643	-4.00	1546	+	0.00	8400239.007	309412.638	473.192	474.783	1.59	3.500	474.643	-4.00	5.50	474.263	-4.00
-5.500	474.364	-4.00	-3.50	474.744	-4.00	1547	+	0.00	8400239.820	309392.654	473.077	474.884	1.81	3.500	474.744	-4.00	5.50	474.364	-4.00
-5.500	474.466	-4.00	-3.50	474.846	-4.00	1548	+	0.00	8400240.634	309372.671	473.036	474.986	1.95	3.500	474.846	-4.00	5.50	474.466	-4.00
-5.500	474.631	-2.83	-3.50	474.988	-2.83	1549	+	0.00	8400241.447	309352.687	473.030	475.087	2.06	3.500	474.947	-4.00	5.50	474.567	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	474.839	-0.90	-3.50	475.157	-0.90	1550	+	0.00	8400242.260	309332.704	473.009	475.188	2.18	3.500	475.048	-4.00	5.50	474.668	-4.00
-5.500	474.936	0.00	-3.50	475.236	0.00	1550	+	9.32	8400242.639	309323.392	473.018	475.236	2.22	3.500	475.096	-4.00	5.50	474.716	-4.00
-5.500	475.047	1.03	-3.50	475.326	1.03	1551	+	0.00	8400243.080	309312.720	473.012	475.290	2.28	3.500	475.150	-4.00	5.50	474.770	-4.00
-5.500	475.254	2.97	-3.50	475.495	2.97	1552	+	0.00	8400244.047	309292.744	472.973	475.391	2.42	3.500	475.251	-4.00	5.50	474.871	-4.00
-5.500	475.462	4.90	-3.50	475.664	4.90	1553	+	0.00	8400245.421	309272.792	472.948	475.492	2.54	3.500	475.321	-4.90	5.50	474.923	-4.90
-5.500	475.559	5.80	-3.50	475.743	5.80	1553	+	9.32	8400246.276	309263.512	472.923	475.540	2.62	3.500	475.337	-5.80	5.50	474.921	-5.80
-5.500	475.613	5.80	-3.50	475.797	5.80	1554	+	0.00	8400247.463	309252.898	472.863	475.594	2.73	3.500	475.391	-5.80	5.50	474.975	-5.80
-5.500	475.681	5.80	-3.50	475.865	5.80	1554	+	13.50	8400249.264	309239.540	472.789	475.662	2.87	3.500	475.459	-5.80	5.50	475.043	-5.80
-5.500	475.714	5.80	-3.50	475.898	5.80	1555	+	0.00	8400250.294	309233.10	472.711	475.695	2.98	3.500	475.492	-5.80	5.50	475.076	-5.80
-5.500	475.804	5.80	-3.50	475.988	5.80	1555	+	17.69	8400253.455	309215.698	472.681	475.785	3.10	3.500	475.582	-5.80	5.50	475.166	-5.80
-5.500	475.803	5.58	-3.50	475.991	5.58	1556	+	0.00	8400253.914	309213.432	472.679	475.796	3.12	3.500	475.601	-5.58	5.50	475.189	-5.58
-5.500	475.798	3.64	-3.50	476.025	3.64	1557	+	0.00	8400258.258	309193.910	472.625	475.898	3.27	3.500	475.758	-4.00	5.50	475.378	-4.00
-5.500	475.793	1.71	-3.50	476.059	1.71	1558	+	0.00	8400263.091	309174.503	472.683	475.999	3.32	3.500	475.859	-4.00	5.50	475.479	-4.00
-5.500	475.789	0.00	-3.50	476.089	0.00	1558	+	17.69	8400267.564	309157.391	472.823	476.089	3.27	3.500	475.949	-4.00	5.50	475.569	-4.00
-5.500	475.788	-0.22	-3.50	476.092	-0.22	1559	+	0.00	8400268.153	309155.155	472.831	476.100	3.27	3.500	475.960	-4.00	5.50	475.580	-4.00
-5.500	475.783	-2.16	-3.50	476.126	-2.16	1560	+	0.00	8400273.244	309135.814	472.992	476.202	3.21	3.500	476.062	-4.00	5.50	475.682	-4.00
-5.500	475.783	-4.00	-3.50	476.163	-4.00	1561	+	0.00	8400278.335	309116.472	473.102	476.303	3.20	3.500	476.163	-4.00	5.50	475.783	-4.00
-5.500	475.884	-4.00	-3.50	476.264	-4.00	1562	+	0.00	8400283.427	309097.131	473.198	476.404	3.21	3.500	476.264	-4.00	5.50	475.884	-4.00
-5.500	475.986	-4.00	-3.50	476.366	-4.00	1563	+	0.00	8400288.518	309077.790	473.325	476.506	3.18	3.500	476.366	-4.00	5.50	475.986	-4.00
-5.500	476.087	-4.00	-3.50	476.467	-4.00	1564	+	0.00	8400293.610	309058.449	473.527	476.607	3.08	3.500	476.467	-4.00	5.50	476.087	-4.00
-5.500	476.188	-4.00	-3.50	476.568	-4.00	1565	+	0.00	8400298.701	309039.108	473.616	476.708	3.09	3.500	476.568	-4.00	5.50	476.188	-4.00
-5.500	476.290	-4.00	-3.50	476.670	-4.00	1566	+	0.00	8400303.793	309019.767	473.381	476.810	3.43	3.500	476.670	-4.00	5.50	476.290	-4.00
-5.500	476.391	-4.00	-3.50	476.771	-4.00	1567	+	0.00	8400308.884	309000.426	472.866	476.911	4.05	3.500	476.771	-4.00	5.50	476.391	-4.00
-5.500	476.492	-4.00	-3.50	476.872	-4.00	1568	+	0.00	8400313.975	308981.085	472.559	477.012	4.45	3.500	476.872	-4.00	5.50	476.492	-4.00
-5.500	476.594	-4.00	-3.50	476.974	-4.00	1569	+	0.00	8400319.067	308961.744	472.587	477.114	4.53	3.500	476.974	-4.00	5.50	476.594	-4.00
-5.500	476.695	-4.00	-3.50	477.075	-4.00	1570	+	0.00	8400324.158	308942.403	472.757	477.215	4.46	3.500	477.075	-4.00	5.50	476.695	-4.00
-5.500	476.796	-4.00	-3.50	477.176	-4.00	1571	+	0.00	8400329.250	308923.062	472.565	477.316	4.75	3.500	477.176	-4.00	5.50	476.796	-4.00
-5.500	476.898	-4.00	-3.50	477.278	-4.00	1572	+	0.00	8400334.341	308903.721	472.628	477.418	4.79	3.500	477.291	-3.62	5.50	476.919	-3.62
-5.500	476.999	-4.00	-3.50	477.379	-4.00	1573	+	0.00	8400339.433	308884.380	472.950	477.519	4.57	3.500	477.460	-1.69	5.50	477.126	-1.69
-5.500	477.088	-4.00	-3.50	477.468	-4.00	1573	+	17.50	8400343.886	308867.461	473.260	477.608	4.35	3.500	477.608	0.00	5.50	477.308	0.00
-5.500	477.100	-4.00	-3.50	477.480	-4.00	1574	+	0.00	8400344.524	308865.038	473.292	477.620	4.33	3.500	477.628	0.24	5.50	477.333	0.24
-5.500	477.202	-4.00	-3.50	477.582	-4.00	1575	+	0.00	8400349.554	308845.681	473.404	477.722	4.32	3.500	477.798	2.18	5.50	477.542	2.18
-5.500	477.277	-4.11	-3.50	477.659	-4.11	1576	+	0.00	8400354.293	308826.251	473.302	477.803	4.50	3.500	477.947	4.11	5.50	477.729	4.11
-5.500	477.221	-5.80	-3.50	477.637	-5.80	1576	+	17.50	8400357.995	308809.153	473.052	477.840	4.79	3.500	478.043	5.80	5.50	477.859	5.80
-5.500	477.224	-5.80	-3.50	477.640	-5.80	1577	+	0.00	8400358.480	308806.696	473.021	477.843	4.82	3.500	478.046	5.80	5.50	477.862	5.80
-5.500	477.224	-5.80	-3.50	477.640	-5.80	1578	+	0.00	8400361.911	308786.993	472.914	477.843	4.93	3.500	478.046	5.80	5.50	477.862	5.80
-5.500	477.183	-5.80	-3.50	477.599	-5.80	1579	+	0.00	8400364.551	308767.170	472.834	477.802	4.97	3.500	478.005	5.80	5.50	477.821	5.80
-5.500	477.102	-5.80	-3.50	477.518	-5.80	1580	+	0.00	8400366.396	308747.256	472.903	477.721	4.82	3.500	477.924	5.80	5.50	477.740	5.80
-5.500	477.001	-5.80	-3.50	477.417	-5.80	1581	+	0.00	8400367.443	308727.285	473.190	477.620	4.43	3.500	477.823	5.80	5.50	477.639	5.80

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	476.899	-5.80	-3.50	477.315	-5.80	1582	+	0.00	8400367.691	308707.288	473.315	477.518	4.20	3.500	477.721	5.80	5.50	477.537	5.80
-5.500	476.867	-5.80	-3.50	477.283	-5.80	1582	+	6.40	8400367.646	308700.883	473.312	477.486	4.17	3.500	477.689	5.80	5.50	477.505	5.80
-5.500	476.798	-5.80	-3.50	477.214	-5.80	1583	+	0.00	8400367.139	308687.297	473.488	477.417	3.93	3.500	477.620	5.80	5.50	477.436	5.80
-5.500	476.696	-5.80	-3.50	477.112	-5.80	1584	+	0.00	8400365.788	308667.344	473.705	477.315	3.61	3.500	477.518	5.80	5.50	477.334	5.80
-5.500	476.594	-5.80	-3.50	477.010	-5.80	1585	+	0.00	8400363.640	308647.461	473.945	477.213	3.27	3.500	477.416	5.80	5.50	477.232	5.80
-5.500	476.493	-5.80	-3.50	476.909	-5.80	1586	+	0.00	8400360.699	308627.680	474.097	477.112	3.02	3.500	477.315	5.80	5.50	477.131	5.80
-5.500	476.391	-5.80	-3.50	476.807	-5.80	1587	+	0.00	8400356.969	308608.032	474.001	477.010	3.01	3.500	477.213	5.80	5.50	477.029	5.80
-5.500	476.314	-5.80	-3.50	476.730	-5.80	1587	+	15.30	8400353.586	308593.108	473.867	476.933	3.07	3.500	477.136	5.80	5.50	476.952	5.80
-5.500	476.315	-5.35	-3.50	476.722	-5.35	1588	+	0.00	8400352.457	308588.549	473.836	476.909	3.07	3.500	477.096	5.35	5.50	476.903	5.35
-5.500	476.287	-4.00	-3.50	476.667	-4.00	1589	+	0.00	8400347.249	308569.240	473.702	476.807	3.11	3.500	476.926	3.41	5.50	476.695	3.41
-5.500	476.186	-4.00	-3.50	476.566	-4.00	1590	+	0.00	8400341.588	308550.058	473.665	476.706	3.04	3.500	476.758	1.48	5.50	476.487	1.48
-5.500	476.108	-4.00	-3.50	476.488	-4.00	1590	+	15.30	8400337.111	308535.424	473.579	476.628	3.05	3.500	476.628	0.00	5.50	476.328	0.00
-5.500	476.084	-4.00	-3.50	476.464	-4.00	1591	+	0.00	8400335.731	308530.935	473.522	476.604	3.08	3.500	476.588	-0.45	5.50	476.279	-0.45
-5.500	475.983	-4.00	-3.50	476.363	-4.00	1592	+	0.00	8400329.854	308511.818	473.447	476.503	3.06	3.500	476.419	-2.39	5.50	476.072	-2.39
-5.500	475.881	-4.00	-3.50	476.261	-4.00	1593	+	0.00	8400323.978	308492.70	473.327	476.401	3.07	3.500	476.261	-4.00	5.50	475.881	-4.00
-5.500	475.780	-4.00	-3.50	476.160	-4.00	1594	+	0.00	8400318.102	308473.583	473.294	476.300	3.01	3.500	476.160	-4.00	5.50	475.780	-4.00
-5.500	475.678	-4.00	-3.50	476.058	-4.00	1595	+	0.00	8400312.226	308454.466	473.308	476.198	2.89	3.500	476.058	-4.00	5.50	475.678	-4.00
-5.500	475.577	-4.00	-3.50	475.957	-4.00	1596	+	0.00	8400306.349	308435.349	473.329	476.097	2.77	3.500	475.957	-4.00	5.50	475.577	-4.00
-5.500	475.475	-4.00	-3.50	475.855	-4.00	1597	+	0.00	8400300.473	308416.231	473.365	475.995	2.63	3.500	475.855	-4.00	5.50	475.475	-4.00
-5.500	475.373	-4.00	-3.50	475.753	-4.00	1598	+	0.00	8400294.597	308397.114	473.517	475.893	2.38	3.500	475.753	-4.00	5.50	475.373	-4.00
-5.500	475.272	-4.00	-3.50	475.652	-4.00	1599	+	0.00	8400288.721	308377.997	473.588	475.792	2.20	3.500	475.652	-4.00	5.50	475.272	-4.00
-5.500	475.170	-4.00	-3.50	475.550	-4.00	1600	+	0.00	8400282.844	308358.879	473.618	475.690	2.07	3.500	475.550	-4.00	5.50	475.170	-4.00
-5.500	475.069	-4.00	-3.50	475.449	-4.00	1601	+	0.00	8400276.968	308339.762	473.598	475.589	1.99	3.500	475.449	-4.00	5.50	475.069	-4.00
-5.500	475.071	-2.11	-3.50	475.413	-2.11	1602	+	0.00	8400271.092	308320.645	473.512	475.487	1.98	3.500	475.347	-4.00	5.50	474.967	-4.00
-5.500	475.093	0.00	-3.50	475.393	0.00	1602	+	18.53	8400265.647	308302.931	473.242	475.393	2.15	3.500	475.253	-4.00	5.50	474.873	-4.00
-5.500	475.095	0.17	-3.50	475.392	0.17	1603	+	0.00	8400265.216	308301.528	473.225	475.386	2.16	3.500	475.246	-4.00	5.50	474.866	-4.00
-5.500	475.118	2.44	-3.50	475.369	2.44	1604	+	0.00	8400259.408	308282.390	472.957	475.284	2.33	3.500	475.144	-4.00	5.50	474.764	-4.00
-5.500	475.143	4.72	-3.50	475.348	4.72	1605	+	0.00	8400253.955	308263.148	472.681	475.183	2.50	3.500	475.018	-4.72	5.50	474.623	-4.72
-5.500	475.162	6.60	-3.50	475.330	6.60	1605	+	16.53	8400249.954	308247.108	472.490	475.099	2.61	3.500	474.868	-6.60	5.50	474.436	-6.60
-5.500	475.144	6.60	-3.50	475.312	6.60	1606	+	0.00	8400249.193	308243.725	472.462	475.081	2.62	3.500	474.850	-6.60	5.50	474.418	-6.60
-5.500	475.043	6.60	-3.50	475.211	6.60	1607	+	0.00	8400245.376	308224.095	472.552	474.980	2.43	3.500	474.749	-6.60	5.50	474.317	-6.60
-5.500	474.946	6.60	-3.50	475.114	6.60	1608	+	0.00	8400242.545	308204.298	472.484	474.883	2.40	3.500	474.652	-6.60	5.50	474.220	-6.60
-5.500	474.888	6.60	-3.50	475.056	6.60	1609	+	0.00	8400240.707	308184.385	472.415	474.825	2.41	3.500	474.594	-6.60	5.50	474.162	-6.60
-5.500	474.873	6.60	-3.50	475.041	6.60	1610	+	0.00	8400239.866	308164.405	472.217	474.810	2.59	3.500	474.579	-6.60	5.50	474.147	-6.60
-5.500	474.902	6.60	-3.50	475.070	6.60	1611	+	0.00	8400240.025	308144.407	472.034	474.839	2.81	3.500	474.608	-6.60	5.50	474.176	-6.60
-5.500	474.966	6.60	-3.50	475.134	6.60	1611	+	18.44	8400241.062	308126.006	472.081	474.903	2.82	3.500	474.672	-6.60	5.50	474.240	-6.60
-5.500	474.973	6.60	-3.50	475.141	6.60	1612	+	0.00	8400241.184	308124.443	472.074	474.910	2.84	3.500	474.679	-6.60	5.50	474.247	-6.60
-5.500	475.083	6.60	-3.50	475.251	6.60	1613	+	0.00	8400243.339	308104.561	472.159	475.020	2.86	3.500	474.789	-6.60	5.50	474.357	-6.60
-5.500	475.198	6.60	-3.50	475.366	6.60	1614	+	0.00	8400246.484	308084.813	472.990	475.135	2.14	3.500	474.904	-6.60	5.50	474.472	-6.60

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	475.313	6.60	-3.50	475.481	6.60	1615	+	0.00	8400250.613	308065.245	473.191	475.250	2.06	3.500	475.019	-6.60	5.50	474.587	-6.60
-5.500	475.428	6.60	-3.50	475.596	6.60	1616	+	0.00	8400255.715	308045.909	472.922	475.365	2.44	3.500	475.134	-6.60	5.50	474.702	-6.60
-5.500	475.543	6.60	-3.50	475.711	6.60	1617	+	0.00	8400261.776	308026.852	473.002	475.480	2.48	3.500	475.249	-6.60	5.50	474.817	-6.60
-5.500	475.658	6.60	-3.50	475.826	6.60	1618	+	0.00	8400268.783	308008.122	473.106	475.595	2.49	3.500	475.364	-6.60	5.50	474.932	-6.60
-5.500	475.660	6.60	-3.50	475.828	6.60	1618	+	0.35	8400268.912	308007.802	473.105	475.597	2.49	3.500	475.366	-6.60	5.50	474.934	-6.60
-5.500	475.650	4.36	-3.50	475.863	4.36	1619	+	0.00	8400276.667	307989.743	473.073	475.710	2.64	3.500	475.557	-4.36	5.50	475.170	-4.36
-5.500	475.640	2.09	-3.50	475.898	2.09	1620	+	0.00	8400285.154	307971.634	473.069	475.825	2.76	3.500	475.685	-4.00	5.50	475.305	-4.00
-5.500	475.630	0.00	-3.50	475.930	0.00	1620	+	18.35	8400293.198	307955.146	473.087	475.930	2.84	3.500	475.790	-4.00	5.50	475.410	-4.00
-5.500	475.630	-0.19	-3.50	475.933	-0.19	1621	+	0.00	8400293.927	307953.661	473.122	475.940	2.82	3.500	475.800	-4.00	5.50	475.420	-4.00
-5.500	475.620	-2.46	-3.50	475.969	-2.46	1622	+	0.00	8400302.740	307935.707	473.131	476.055	2.92	3.500	475.915	-4.00	5.50	475.535	-4.00
-5.500	475.650	-4.00	-3.50	476.030	-4.00	1623	+	0.00	8400311.553	307917.753	473.280	476.170	2.89	3.500	476.030	-4.00	5.50	475.650	-4.00
-5.500	475.765	-4.00	-3.50	476.145	-4.00	1624	+	0.00	8400320.366	307899.80	473.308	476.285	2.98	3.500	476.145	-4.00	5.50	475.765	-4.00
-5.500	475.880	-4.00	-3.50	476.260	-4.00	1625	+	0.00	8400329.179	307881.846	473.376	476.400	3.02	3.500	476.260	-4.00	5.50	475.880	-4.00
-5.500	475.995	-4.00	-3.50	476.375	-4.00	1626	+	0.00	8400337.992	307863.893	473.360	476.515	3.15	3.500	476.386	-3.69	5.50	476.012	-3.69
-5.500	476.110	-4.00	-3.50	476.490	-4.00	1627	+	0.00	8400346.805	307845.939	473.415	476.630	3.21	3.500	476.585	-1.29	5.50	476.259	-1.29
-5.500	476.172	-4.00	-3.50	476.552	-4.00	1627	+	10.77	8400351.551	307836.270	473.367	476.692	3.32	3.500	476.692	0.00	5.50	476.392	0.00
-5.500	476.219	-4.00	-3.50	476.599	-4.00	1628	+	0.00	8400355.613	307827.983	473.289	476.739	3.45	3.500	476.778	1.11	5.50	476.500	1.11
-5.500	476.282	-4.00	-3.50	476.662	-4.00	1629	+	0.00	8400364.261	307809.949	473.202	476.802	3.60	3.500	476.925	3.51	5.50	476.695	3.51
-5.500	476.189	-5.91	-3.50	476.607	-5.91	1630	+	0.00	8400372.426	307791.693	472.958	476.814	3.86	3.500	477.021	5.91	5.50	476.839	5.91
-5.500	476.144	-6.60	-3.50	476.576	-6.60	1630	+	5.77	8400374.644	307786.366	472.868	476.807	3.94	3.500	477.038	6.60	5.50	476.870	6.60
-5.500	476.111	-6.60	-3.50	476.543	-6.60	1631	+	0.00	8400379.787	307773.099	472.631	476.774	4.14	3.500	477.005	6.60	5.50	476.837	6.60
-5.500	476.019	-6.60	-3.50	476.451	-6.60	1632	+	0.00	8400386.210	307754.161	472.079	476.682	4.60	3.500	476.913	6.60	5.50	476.745	6.60
-5.500	475.882	-6.60	-3.50	476.314	-6.60	1633	+	0.00	8400391.679	307734.926	471.883	476.545	4.66	3.500	476.776	6.60	5.50	476.608	6.60
-5.500	475.739	-6.60	-3.50	476.171	-6.60	1634	+	0.00	8400396.180	307715.441	471.822	476.402	4.58	3.500	476.633	6.60	5.50	476.465	6.60
-5.500	475.605	-6.60	-3.50	476.037	-6.60	1634	+	18.62	8400399.505	307697.140	471.767	476.268	4.50	3.500	476.499	6.60	5.50	476.331	6.60
-5.500	475.595	-6.60	-3.50	476.027	-6.60	1635	+	0.00	8400399.701	307695.755	471.799	476.258	4.46	3.500	476.489	6.60	5.50	476.321	6.60
-5.500	475.452	-6.60	-3.50	475.884	-6.60	1636	+	0.00	8400402.234	307675.918	472.013	476.115	4.10	3.500	476.346	6.60	5.50	476.178	6.60
-5.500	475.309	-6.60	-3.50	475.741	-6.60	1637	+	0.00	8400403.772	307655.980	472.097	475.972	3.88	3.500	476.203	6.60	5.50	476.035	6.60
-5.500	475.165	-6.60	-3.50	475.597	-6.60	1638	+	0.00	8400404.312	307635.989	472.022	475.828	3.81	3.500	476.059	6.60	5.50	475.891	6.60
-5.500	475.022	-6.60	-3.50	475.454	-6.60	1639	+	0.00	8400403.852	307615.996	471.895	475.685	3.79	3.500	475.916	6.60	5.50	475.748	6.60
-5.500	474.940	-6.60	-3.50	475.372	-6.60	1639	+	11.47	8400403.137	307604.552	471.866	475.603	3.74	3.500	475.834	6.60	5.50	475.666	6.60
-5.500	474.935	-5.58	-3.50	475.347	-5.58	1640	+	0.00	8400402.398	307596.051	471.871	475.542	3.67	3.500	475.737	5.58	5.50	475.549	5.58
-5.500	474.878	-4.00	-3.50	475.258	-4.00	1641	+	0.00	8400400.114	307576.183	471.879	475.398	3.52	3.500	475.509	3.18	5.50	475.273	3.18
-5.500	474.735	-4.00	-3.50	475.115	-4.00	1642	+	0.00	8400397.353	307556.375	471.907	475.255	3.35	3.500	475.282	0.78	5.50	474.998	0.78
-5.500	474.689	-4.00	-3.50	475.069	-4.00	1642	+	6.47	8400396.418	307549.976	471.900	475.209	3.31	3.500	475.209	0.00	5.50	474.909	0.00
-5.500	474.592	-4.00	-3.50	474.972	-4.00	1643	+	0.00	8400394.457	307536.585	472.000	475.112	3.11	3.500	475.055	-1.62	5.50	474.723	-1.62
-5.500	474.448	-4.00	-3.50	474.828	-4.00	1644	+	0.00	8400391.559	307516.797	471.945	474.968	3.02	3.500	474.828	-4.00	5.50	474.448	-4.00
-5.500	474.305	-4.00	-3.50	474.685	-4.00	1645	+	0.00	8400388.660	307497.008	471.840	474.825	2.99	3.500	474.685	-4.00	5.50	474.305	-4.00
-5.500	474.162	-4.00	-3.50	474.542	-4.00	1646	+	0.00	8400385.762	307477.219	471.730	474.682	2.95	3.500	474.542	-4.00	5.50	474.162	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	474.018	-4.00	-3.50	474.398	-4.00	1647	+	0.00	8400382.864	307457.430	471.679	474.538	2.86	3.500	474.398	-4.00	5.50	474.018	-4.00
-5.500	473.875	-4.00	-3.50	474.255	-4.00	1648	+	0.00	8400379.966	307437.641	471.665	474.395	2.73	3.500	474.255	-4.00	5.50	473.875	-4.00
-5.500	473.732	-4.00	-3.50	474.112	-4.00	1649	+	0.00	8400377.068	307417.852	471.597	474.252	2.66	3.500	474.112	-4.00	5.50	473.732	-4.00
-5.500	473.588	-4.00	-3.50	473.968	-4.00	1650	+	0.00	8400374.170	307398.063	471.563	474.108	2.55	3.500	473.968	-4.00	5.50	473.588	-4.00
-5.500	473.445	-4.00	-3.50	473.825	-4.00	1651	+	0.00	8400371.272	307378.274	471.619	473.965	2.35	3.500	473.825	-4.00	5.50	473.445	-4.00
-5.500	473.302	-4.00	-3.50	473.682	-4.00	1652	+	0.00	8400368.373	307358.485	471.676	473.822	2.15	3.500	473.682	-4.00	5.50	473.302	-4.00
-5.500	473.158	-4.00	-3.50	473.538	-4.00	1653	+	0.00	8400365.475	307338.696	471.757	473.678	1.92	3.500	473.538	-4.00	5.50	473.158	-4.00
-5.500	473.015	-4.00	-3.50	473.395	-4.00	1654	+	0.00	8400362.577	307318.908	471.731	473.535	1.80	3.500	473.395	-4.00	5.50	473.015	-4.00
-5.500	472.872	-4.00	-3.50	473.252	-4.00	1655	+	0.00	8400359.679	307299.119	471.684	473.392	1.71	3.500	473.252	-4.00	5.50	472.872	-4.00
-5.500	472.728	-4.00	-3.50	473.108	-4.00	1656	+	0.00	8400356.781	307279.330	471.546	473.248	1.70	3.500	473.108	-4.00	5.50	472.728	-4.00
-5.500	472.585	-4.00	-3.50	472.965	-4.00	1657	+	0.00	8400353.883	307259.541	471.532	473.105	1.57	3.500	472.965	-4.00	5.50	472.585	-4.00
-5.500	472.448	-4.00	-3.50	472.828	-4.00	1658	+	0.00	8400350.984	307239.752	471.556	472.968	1.41	3.500	472.828	-4.00	5.50	472.448	-4.00
-5.500	472.353	-4.00	-3.50	472.733	-4.00	1659	+	0.00	8400348.086	307219.963	471.547	472.873	1.33	3.500	472.733	-4.00	5.50	472.353	-4.00
-5.500	472.307	-4.00	-3.50	472.687	-4.00	1660	+	0.00	8400345.188	307200.174	471.545	472.827	1.28	3.500	472.687	-4.00	5.50	472.307	-4.00
-5.500	472.304	-4.00	-3.50	472.684	-4.00	1660	+	3.88	8400344.626	307196.336	471.551	472.824	1.27	3.500	472.684	-4.00	5.50	472.304	-4.00
-5.500	472.310	-4.00	-3.50	472.690	-4.00	1661	+	0.00	8400342.329	307180.380	471.610	472.830	1.22	3.500	472.690	-4.00	5.50	472.310	-4.00
-5.500	472.361	-4.00	-3.50	472.741	-4.00	1662	+	0.00	8400339.590	307160.568	471.436	472.881	1.44	3.500	472.741	-4.00	5.50	472.361	-4.00
-5.500	472.455	-4.00	-3.50	472.835	-4.00	1663	+	0.00	8400336.973	307140.740	471.355	472.975	1.62	3.500	472.835	-4.00	5.50	472.455	-4.00
-5.500	472.555	-4.00	-3.50	472.935	-4.00	1664	+	0.00	8400334.478	307120.896	471.256	473.075	1.82	3.500	472.935	-4.00	5.50	472.555	-4.00
-5.500	472.655	-4.00	-3.50	473.035	-4.00	1665	+	0.00	8400332.106	307101.038	471.255	473.175	1.92	3.500	473.035	-4.00	5.50	472.655	-4.00
-5.500	472.755	-4.00	-3.50	473.135	-4.00	1666	+	0.00	8400329.855	307081.165	471.319	473.275	1.96	3.500	473.135	-4.00	5.50	472.755	-4.00
-5.500	472.788	-4.00	-3.50	473.168	-4.00	1666	+	6.52	8400329.138	307074.718	471.369	473.308	1.94	3.500	473.168	-4.00	5.50	472.788	-4.00
-5.500	472.855	-4.00	-3.50	473.235	-4.00	1667	+	0.00	8400327.727	307061.278	471.470	473.375	1.90	3.500	473.235	-4.00	5.50	472.855	-4.00
-5.500	472.955	-4.00	-3.50	473.335	-4.00	1668	+	0.00	8400325.721	307041.379	471.423	473.475	2.05	3.500	473.335	-4.00	5.50	472.955	-4.00
-5.500	473.055	-4.00	-3.50	473.435	-4.00	1669	+	0.00	8400323.838	307021.468	471.333	473.575	2.24	3.500	473.435	-4.00	5.50	473.055	-4.00
-5.500	473.155	-4.00	-3.50	473.535	-4.00	1670	+	0.00	8400322.077	307001.546	471.307	473.675	2.37	3.500	473.535	-4.00	5.50	473.155	-4.00
-5.500	473.255	-4.00	-3.50	473.635	-4.00	1671	+	0.00	8400320.439	306981.613	471.267	473.775	2.51	3.500	473.635	-4.00	5.50	473.255	-4.00
-5.500	473.355	-4.00	-3.50	473.735	-4.00	1672	+	0.00	8400318.923	306961.670	471.342	473.875	2.53	3.500	473.735	-4.00	5.50	473.355	-4.00
-5.500	473.401	-4.00	-3.50	473.781	-4.00	1672	+	9.16	8400318.270	306952.535	471.359	473.921	2.56	3.500	473.781	-4.00	5.50	473.401	-4.00
-5.500	473.455	-4.00	-3.50	473.835	-4.00	1673	+	0.00	8400317.513	306941.720	471.371	473.975	2.60	3.500	473.835	-4.00	5.50	473.455	-4.00
-5.500	473.555	-4.00	-3.50	473.935	-4.00	1674	+	0.00	8400316.115	306921.769	471.251	474.075	2.82	3.500	473.935	-4.00	5.50	473.555	-4.00
-5.500	473.655	-4.00	-3.50	474.035	-4.00	1675	+	0.00	8400314.717	306901.818	471.105	474.175	3.07	3.500	474.035	-4.00	5.50	473.655	-4.00
-5.500	473.755	-4.00	-3.50	474.135	-4.00	1676	+	0.00	8400313.319	306881.867	471.038	474.275	3.24	3.500	474.135	-4.00	5.50	473.755	-4.00
-5.500	473.855	-4.00	-3.50	474.235	-4.00	1677	+	0.00	8400311.921	306861.916	471.038	474.375	3.34	3.500	474.235	-4.00	5.50	473.855	-4.00
-5.500	473.955	-4.00	-3.50	474.335	-4.00	1678	+	0.00	8400310.523	306841.965	471.052	474.475	3.42	3.500	474.335	-4.00	5.50	473.955	-4.00
-5.500	474.055	-4.00	-3.50	474.435	-4.00	1679	+	0.00	8400309.126	306822.014	471.027	474.575	3.55	3.500	474.435	-4.00	5.50	474.055	-4.00
-5.500	474.155	-4.00	-3.50	474.535	-4.00	1680	+	0.00	8400307.728	306802.063	470.918	474.675	3.76	3.500	474.535	-4.00	5.50	474.155	-4.00
-5.500	474.255	-4.00	-3.50	474.635	-4.00	1681	+	0.00	8400306.330	306782.111	470.946	474.775	3.83	3.500	474.635	-4.00	5.50	474.255	-4.00
-5.500	474.355	-4.00	-3.50	474.735	-4.00	1682	+	0.00	8400304.932	306762.160	470.930	474.875	3.94	3.500	474.735	-4.00	5.50	474.355	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	474.455	-4.00	-3.50	474.835	-4.00	1683	+	0.00	8400303.534	306742.209	470.905	474.975	4.07	3.500	474.835	-4.00	5.50	474.455	-4.00
-5.500	474.555	-4.00	-3.50	474.935	-4.00	1684	+	0.00	8400302.136	306722.258	470.850	475.075	4.22	3.500	474.935	-4.00	5.50	474.555	-4.00
-5.500	474.655	-4.00	-3.50	475.035	-4.00	1685	+	0.00	8400300.739	306702.307	470.790	475.175	4.38	3.500	475.035	-4.00	5.50	474.655	-4.00
-5.500	474.755	-4.00	-3.50	475.135	-4.00	1686	+	0.00	8400299.341	306682.356	470.705	475.275	4.57	3.500	475.135	-4.00	5.50	474.755	-4.00
-5.500	474.855	-4.00	-3.50	475.235	-4.00	1687	+	0.00	8400297.943	306662.405	470.719	475.375	4.66	3.500	475.235	-4.00	5.50	474.855	-4.00
-5.500	474.948	-4.00	-3.50	475.328	-4.00	1688	+	0.00	8400296.545	306642.454	470.719	475.468	4.75	3.500	475.328	-4.00	5.50	474.948	-4.00
-5.500	474.995	-4.00	-3.50	475.375	-4.00	1689	+	0.00	8400295.147	306622.503	470.738	475.515	4.78	3.500	475.375	-4.00	5.50	474.995	-4.00
-5.500	474.988	-4.00	-3.50	475.368	-4.00	1690	+	0.00	8400293.749	306602.552	470.744	475.508	4.76	3.500	475.368	-4.00	5.50	474.988	-4.00
-5.500	474.928	-4.00	-3.50	475.308	-4.00	1691	+	0.00	8400292.351	306582.601	470.787	475.448	4.66	3.500	475.308	-4.00	5.50	474.928	-4.00
-5.500	474.815	-4.00	-3.50	475.195	-4.00	1692	+	0.00	8400290.954	306562.649	470.883	475.335	4.45	3.500	475.195	-4.00	5.50	474.815	-4.00
-5.500	474.655	-4.00	-3.50	475.035	-4.00	1693	+	0.00	8400289.556	306542.698	470.916	475.175	4.26	3.500	475.035	-4.00	5.50	474.655	-4.00
-5.500	474.488	-4.00	-3.50	474.868	-4.00	1694	+	0.00	8400288.158	306522.747	470.672	475.008	4.34	3.500	474.868	-4.00	5.50	474.488	-4.00
-5.500	474.322	-4.00	-3.50	474.702	-4.00	1695	+	0.00	8400286.760	306502.796	470.423	474.842	4.42	3.500	474.702	-4.00	5.50	474.322	-4.00
-5.500	474.155	-4.00	-3.50	474.535	-4.00	1696	+	0.00	8400285.362	306482.845	470.255	474.675	4.42	3.500	474.535	-4.00	5.50	474.155	-4.00
-5.500	473.988	-4.00	-3.50	474.368	-4.00	1697	+	0.00	8400283.964	306462.894	470.202	474.508	4.31	3.500	474.368	-4.00	5.50	473.988	-4.00
-5.500	473.822	-4.00	-3.50	474.202	-4.00	1698	+	0.00	8400282.567	306442.943	470.105	474.342	4.24	3.500	474.202	-4.00	5.50	473.822	-4.00
-5.500	473.655	-4.00	-3.50	474.035	-4.00	1699	+	0.00	8400281.169	306422.992	470.113	474.175	4.06	3.500	474.035	-4.00	5.50	473.655	-4.00
-5.500	473.488	-4.00	-3.50	473.868	-4.00	1700	+	0.00	8400279.771	306403.041	470.179	474.008	3.83	3.500	473.868	-4.00	5.50	473.488	-4.00
-5.500	473.322	-4.00	-3.50	473.702	-4.00	1701	+	0.00	8400278.373	306383.090	470.443	473.842	3.40	3.500	473.702	-4.00	5.50	473.322	-4.00
-5.500	473.155	-4.00	-3.50	473.535	-4.00	1702	+	0.00	8400276.975	306363.139	470.655	473.675	3.02	3.500	473.535	-4.00	5.50	473.155	-4.00
-5.500	472.988	-4.00	-3.50	473.368	-4.00	1703	+	0.00	8400275.577	306343.187	470.764	473.508	2.74	3.500	473.368	-4.00	5.50	472.988	-4.00
-5.500	472.822	-4.00	-3.50	473.202	-4.00	1704	+	0.00	8400274.179	306323.236	470.630	473.342	2.71	3.500	473.202	-4.00	5.50	472.822	-4.00
-5.500	472.655	-4.00	-3.50	473.035	-4.00	1705	+	0.00	8400272.782	306303.285	470.671	473.175	2.50	3.500	473.035	-4.00	5.50	472.655	-4.00
-5.500	472.488	-4.00	-3.50	472.868	-4.00	1706	+	0.00	8400271.384	306283.334	470.723	473.008	2.28	3.500	472.868	-4.00	5.50	472.488	-4.00
-5.500	472.322	-4.00	-3.50	472.702	-4.00	1707	+	0.00	8400269.986	306263.383	470.665	472.842	2.18	3.500	472.702	-4.00	5.50	472.322	-4.00
-5.500	472.155	-4.00	-3.50	472.535	-4.00	1708	+	0.00	8400268.588	306243.432	470.463	472.675	2.21	3.500	472.535	-4.00	5.50	472.155	-4.00
-5.500	471.988	-4.00	-3.50	472.368	-4.00	1709	+	0.00	8400267.190	306223.481	470.243	472.508	2.26	3.500	472.368	-4.00	5.50	471.988	-4.00
-5.500	471.822	-4.00	-3.50	472.202	-4.00	1710	+	0.00	8400265.792	306203.530	470.309	472.342	2.03	3.500	472.202	-4.00	5.50	471.822	-4.00
-5.500	471.655	-4.00	-3.50	472.035	-4.00	1711	+	0.00	8400264.395	306183.579	470.233	472.175	1.94	3.500	472.035	-4.00	5.50	471.655	-4.00
-5.500	471.488	-4.00	-3.50	471.868	-4.00	1712	+	0.00	8400262.997	306163.628	470.418	472.008	1.59	3.500	471.868	-4.00	5.50	471.488	-4.00
-5.500	471.322	-4.00	-3.50	471.702	-4.00	1713	+	0.00	8400261.599	306143.677	470.237	471.842	1.60	3.500	471.702	-4.00	5.50	471.322	-4.00
-5.500	471.155	-4.00	-3.50	471.535	-4.00	1714	+	0.00	8400260.201	306123.725	470.581	471.675	1.09	3.500	471.535	-4.00	5.50	471.155	-4.00
-5.500	470.988	-4.00	-3.50	471.368	-4.00	1715	+	0.00	8400258.803	306103.774	470.643	471.508	0.87	3.500	471.368	-4.00	5.50	470.988	-4.00
-5.500	470.822	-4.00	-3.50	471.202	-4.00	1716	+	0.00	8400257.405	306083.823	470.533	471.342	0.81	3.500	471.202	-4.00	5.50	470.822	-4.00
-5.500	470.655	-4.00	-3.50	471.035	-4.00	1717	+	0.00	8400256.007	306063.872	470.349	471.175	0.83	3.500	471.035	-4.00	5.50	470.655	-4.00
-5.500	470.495	-4.00	-3.50	470.875	-4.00	1718	+	0.00	8400254.610	306043.921	469.962	471.015	1.05	3.500	470.875	-4.00	5.50	470.495	-4.00
-5.500	470.382	-4.00	-3.50	470.762	-4.00	1719	+	0.00	8400253.212	306023.970	469.652	470.902	1.25	3.500	470.762	-4.00	5.50	470.382	-4.00
-5.500	470.322	-4.00	-3.50	470.702	-4.00	1720	+	0.00	8400251.814	306004.019	469.323	470.842	1.52	3.500	470.702	-4.00	5.50	470.322	-4.00
-5.500	470.315	-4.00	-3.50	470.695	-4.00	1721	+	0.00	8400250.416	305984.068	469.538	470.835	1.30	3.500	470.695	-4.00	5.50	470.315	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	470.362	-4.00	-3.50	470.742	-4.00	1722	+	0.00	8400249.018	305964.117	469.764	470.882	1.12	3.500	470.742	-4.00	5.50	470.362	-4.00
-5.500	470.455	-4.00	-3.50	470.835	-4.00	1723	+	0.00	8400247.620	305944.166	469.673	470.975	1.30	3.500	470.835	-4.00	5.50	470.455	-4.00
-5.500	470.555	-4.00	-3.50	470.935	-4.00	1724	+	0.00	8400246.223	305924.215	469.631	471.075	1.44	3.500	470.935	-4.00	5.50	470.555	-4.00
-5.500	470.655	-4.00	-3.50	471.035	-4.00	1725	+	0.00	8400244.825	305904.263	469.641	471.175	1.53	3.500	471.035	-4.00	5.50	470.655	-4.00
-5.500	470.755	-4.00	-3.50	471.135	-4.00	1726	+	0.00	8400243.427	305884.312	469.302	471.275	1.97	3.500	471.135	-4.00	5.50	470.755	-4.00
-5.500	470.855	-4.00	-3.50	471.235	-4.00	1727	+	0.00	8400242.029	305864.361	469.103	471.375	2.27	3.500	471.235	-4.00	5.50	470.855	-4.00
-5.500	470.955	-4.00	-3.50	471.335	-4.00	1728	+	0.00	8400240.631	305844.410	469.298	471.475	2.18	3.500	471.335	-4.00	5.50	470.955	-4.00
-5.500	471.055	-4.00	-3.50	471.435	-4.00	1729	+	0.00	8400239.233	305824.459	469.465	471.575	2.11	3.500	471.435	-4.00	5.50	471.055	-4.00
-5.500	471.155	-4.00	-3.50	471.535	-4.00	1730	+	0.00	8400237.835	305804.508	469.452	471.675	2.22	3.500	471.535	-4.00	5.50	471.155	-4.00
-5.500	471.255	-4.00	-3.50	471.635	-4.00	1731	+	0.00	8400236.438	305784.557	469.256	471.775	2.52	3.500	471.635	-4.00	5.50	471.255	-4.00
-5.500	471.355	-4.00	-3.50	471.735	-4.00	1732	+	0.00	8400235.040	305764.606	469.448	471.875	2.43	3.500	471.735	-4.00	5.50	471.355	-4.00
-5.500	471.455	-4.00	-3.50	471.835	-4.00	1733	+	0.00	8400233.642	305744.655	469.437	471.975	2.54	3.500	471.835	-4.00	5.50	471.455	-4.00
-5.500	471.555	-4.00	-3.50	471.935	-4.00	1734	+	0.00	8400232.244	305724.704	469.609	472.075	2.47	3.500	471.935	-4.00	5.50	471.555	-4.00
-5.500	471.655	-4.00	-3.50	472.035	-4.00	1735	+	0.00	8400230.846	305704.753	469.603	472.175	2.57	3.500	472.035	-4.00	5.50	471.655	-4.00
-5.500	471.755	-4.00	-3.50	472.135	-4.00	1736	+	0.00	8400229.448	305684.801	469.594	472.275	2.68	3.500	472.135	-4.00	5.50	471.755	-4.00
-5.500	471.855	-4.00	-3.50	472.235	-4.00	1737	+	0.00	8400228.051	305664.850	469.644	472.375	2.73	3.500	472.235	-4.00	5.50	471.855	-4.00
-5.500	471.955	-4.00	-3.50	472.335	-4.00	1738	+	0.00	8400226.653	305644.899	469.686	472.475	2.79	3.500	472.335	-4.00	5.50	471.955	-4.00
-5.500	472.055	-4.00	-3.50	472.435	-4.00	1739	+	0.00	8400225.255	305624.948	469.712	472.575	2.86	3.500	472.435	-4.00	5.50	472.055	-4.00
-5.500	472.155	-4.00	-3.50	472.535	-4.00	1740	+	0.00	8400223.857	305604.997	469.801	472.675	2.87	3.500	472.535	-4.00	5.50	472.155	-4.00
-5.500	472.255	-4.00	-3.50	472.635	-4.00	1741	+	0.00	8400222.459	305585.046	469.664	472.775	3.11	3.500	472.635	-4.00	5.50	472.255	-4.00
-5.500	472.355	-4.00	-3.50	472.735	-4.00	1742	+	0.00	8400221.061	305565.095	469.699	472.875	3.18	3.500	472.735	-4.00	5.50	472.355	-4.00
-5.500	472.455	-4.00	-3.50	472.835	-4.00	1743	+	0.00	8400219.663	305545.144	469.747	472.975	3.23	3.500	472.835	-4.00	5.50	472.455	-4.00
-5.500	472.555	-4.00	-3.50	472.935	-4.00	1744	+	0.00	8400218.266	305525.193	469.896	473.075	3.18	3.500	472.935	-4.00	5.50	472.555	-4.00
-5.500	472.655	-4.00	-3.50	473.035	-4.00	1745	+	0.00	8400216.868	305505.242	469.954	473.175	3.22	3.500	473.035	-4.00	5.50	472.655	-4.00
-5.500	472.755	-4.00	-3.50	473.135	-4.00	1746	+	0.00	8400215.470	305485.291	470.012	473.275	3.26	3.500	473.135	-4.00	5.50	472.755	-4.00
-5.500	472.855	-4.00	-3.50	473.235	-4.00	1747	+	0.00	8400214.072	305465.339	469.949	473.375	3.43	3.500	473.235	-4.00	5.50	472.855	-4.00
-5.500	472.949	-4.00	-3.50	473.329	-4.00	1748	+	0.00	8400212.674	305445.388	469.758	473.469	3.71	3.500	473.329	-4.00	5.50	472.949	-4.00
-5.500	473.002	-4.00	-3.50	473.382	-4.00	1749	+	0.00	8400211.276	305425.437	469.610	473.522	3.91	3.500	473.382	-4.00	5.50	473.002	-4.00
-5.500	473.008	-4.00	-3.50	473.388	-4.00	1750	+	0.00	8400209.879	305405.486	469.518	473.528	4.01	3.500	473.388	-4.00	5.50	473.008	-4.00
-5.500	472.968	-4.00	-3.50	473.348	-4.00	1751	+	0.00	8400208.481	305385.535	469.478	473.488	4.01	3.500	473.348	-4.00	5.50	472.968	-4.00
-5.500	472.880	-4.00	-3.50	473.260	-4.00	1752	+	0.00	8400207.083	305365.584	469.362	473.400	4.04	3.500	473.260	-4.00	5.50	472.880	-4.00
-5.500	472.752	-4.00	-3.50	473.132	-4.00	1753	+	0.00	8400205.685	305345.633	469.344	473.272	3.93	3.500	473.132	-4.00	5.50	472.752	-4.00
-5.500	472.712	-2.28	-3.50	473.057	-2.28	1754	+	0.00	8400204.287	305325.682	469.335	473.137	3.80	3.500	472.997	-4.00	5.50	472.617	-4.00
-5.500	472.684	-0.34	-3.50	472.991	-0.34	1755	+	0.00	8400202.889	305305.731	469.278	473.003	3.72	3.500	472.863	-4.00	5.50	472.483	-4.00
-5.500	472.679	0.00	-3.50	472.979	0.00	1755	+	3.56	8400202.640	305302.175	469.296	472.979	3.68	3.500	472.839	-4.00	5.50	472.459	-4.00
-5.500	472.655	1.59	-3.50	472.924	1.59	1756	+	0.00	8400201.516	305285.778	469.384	472.868	3.48	3.500	472.728	-4.00	5.50	472.348	-4.00
-5.500	472.628	3.52	-3.50	472.857	3.52	1757	+	0.00	8400200.362	305265.812	469.568	472.734	3.17	3.500	472.594	-4.00	5.50	472.214	-4.00
-5.500	472.599	5.46	-3.50	472.790	5.46	1758	+	0.00	8400199.693	305245.824	469.427	472.599	3.17	3.500	472.408	-5.46	5.50	471.999	-5.46
-5.500	472.594	5.80	-3.50	472.778	5.80	1758	+	3.56	8400199.645	305242.260	469.476	472.575	3.10	3.500	472.372	-5.80	5.50	471.956	-5.80

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	472.484	5.80	-3.50	472.668	5.80	1759	+	0.00	8400199.752	305225.825	469.335	472.465	3.13	3.500	472.262	-5.80	5.50	471.846	-5.80
-5.500	472.349	5.80	-3.50	472.533	5.80	1760	+	0.00	8400200.610	305205.845	469.545	472.330	2.78	3.500	472.127	-5.80	5.50	471.711	-5.80
-5.500	472.215	5.80	-3.50	472.399	5.80	1761	+	0.00	8400202.266	305185.915	469.202	472.196	2.99	3.500	471.993	-5.80	5.50	471.577	-5.80
-5.500	472.080	5.80	-3.50	472.264	5.80	1762	+	0.00	8400204.718	305166.067	469.255	472.061	2.81	3.500	471.858	-5.80	5.50	471.442	-5.80
-5.500	472.026	5.80	-3.50	472.210	5.80	1762	+	8.08	8400206.007	305158.164	469.324	472.007	2.68	3.500	471.804	-5.80	5.50	471.388	-5.80
-5.500	471.946	5.80	-3.50	472.130	5.80	1763	+	0.00	8400207.962	305146.333	469.375	471.927	2.55	3.500	471.724	-5.80	5.50	471.308	-5.80
-5.500	471.811	5.80	-3.50	471.995	5.80	1764	+	0.00	8400211.992	305126.745	469.361	471.792	2.43	3.500	471.589	-5.80	5.50	471.173	-5.80
-5.500	471.677	5.80	-3.50	471.861	5.80	1765	+	0.00	8400216.803	305107.333	469.342	471.658	2.32	3.500	471.455	-5.80	5.50	471.039	-5.80
-5.500	471.542	5.80	-3.50	471.726	5.80	1766	+	0.00	8400222.386	305088.130	469.315	471.523	2.21	3.500	471.320	-5.80	5.50	470.904	-5.80
-5.500	471.458	5.80	-3.50	471.642	5.80	1766	+	12.60	8400226.296	305076.152	469.262	471.439	2.18	3.500	471.236	-5.80	5.50	470.820	-5.80
-5.500	471.368	5.08	-3.50	471.567	5.08	1767	+	0.00	8400228.730	305069.164	469.251	471.389	2.14	3.500	471.211	-5.08	5.50	470.810	-5.08
-5.500	471.127	3.15	-3.50	471.364	3.15	1768	+	0.00	8400235.725	305050.428	469.181	471.254	2.07	3.500	471.114	-4.00	5.50	470.734	-4.00
-5.500	470.887	1.22	-3.50	471.163	1.22	1769	+	0.00	8400243.126	305031.848	469.067	471.120	2.05	3.500	470.980	-4.00	5.50	470.600	-4.00
-5.500	470.735	0.00	-3.50	471.035	0.00	1769	+	12.60	8400247.884	305020.181	469.136	471.035	1.90	3.500	470.895	-4.00	5.50	470.515	-4.00
-5.500	470.645	-0.72	-3.50	470.960	-0.72	1770	+	0.00	8400250.685	305013.331	469.200	470.985	1.79	3.500	470.845	-4.00	5.50	470.465	-4.00
-5.500	470.405	-2.65	-3.50	470.758	-2.65	1771	+	0.00	8400258.254	304994.819	469.200	470.851	1.65	3.500	470.711	-4.00	5.50	470.331	-4.00
-5.500	470.196	-4.00	-3.50	470.576	-4.00	1772	+	0.00	8400265.823	304976.306	469.173	470.716	1.54	3.500	470.576	-4.00	5.50	470.196	-4.00
-5.500	470.062	-4.00	-3.50	470.442	-4.00	1773	+	0.00	8400273.392	304957.794	469.186	470.582	1.40	3.500	470.442	-4.00	5.50	470.062	-4.00
-5.500	469.928	-4.00	-3.50	470.308	-4.00	1774	+	0.00	8400280.961	304939.282	469.206	470.448	1.24	3.500	470.308	-4.00	5.50	469.928	-4.00
-5.500	469.793	-4.00	-3.50	470.173	-4.00	1775	+	0.00	8400288.530	304920.769	469.139	470.313	1.17	3.500	470.173	-4.00	5.50	469.793	-4.00
-5.500	469.659	-4.00	-3.50	470.039	-4.00	1776	+	0.00	8400296.099	304902.257	469.137	470.179	1.04	3.500	470.039	-4.00	5.50	469.659	-4.00
-5.500	469.524	-4.00	-3.50	469.904	-4.00	1777	+	0.00	8400303.668	304883.744	468.968	470.044	1.08	3.500	469.904	-4.00	5.50	469.524	-4.00
-5.500	469.395	-4.00	-3.50	469.775	-4.00	1778	+	0.00	8400311.237	304865.232	468.929	469.915	0.99	3.500	469.775	-4.00	5.50	469.395	-4.00
-5.500	469.308	-4.00	-3.50	469.688	-4.00	1779	+	0.00	8400318.806	304846.719	468.890	469.828	0.94	3.500	469.688	-4.00	5.50	469.308	-4.00
-5.500	469.268	-4.00	-3.50	469.648	-4.00	1780	+	0.00	8400326.375	304828.207	468.836	469.788	0.95	3.500	469.648	-4.00	5.50	469.268	-4.00
-5.500	469.275	-4.00	-3.50	469.655	-4.00	1781	+	0.00	8400333.944	304809.695	468.826	469.795	0.97	3.500	469.655	-4.00	5.50	469.275	-4.00
-5.500	469.328	-4.00	-3.50	469.708	-4.00	1782	+	0.00	8400341.513	304791.182	468.828	469.848	1.02	3.500	469.708	-4.00	5.50	469.328	-4.00
-5.500	469.390	-4.00	-3.50	469.770	-4.00	1782	+	13.37	8400346.571	304778.811	468.872	469.910	1.04	3.500	469.770	-4.00	5.50	469.390	-4.00
-5.500	469.424	-4.00	-3.50	469.804	-4.00	1783	+	0.00	8400349.088	304772.672	468.895	469.944	1.05	3.500	469.804	-4.00	5.50	469.424	-4.00
-5.500	469.525	-4.00	-3.50	469.905	-4.00	1784	+	0.00	8400356.752	304754.199	468.938	470.045	1.11	3.500	469.905	-4.00	5.50	469.525	-4.00
-5.500	469.626	-4.00	-3.50	470.006	-4.00	1785	+	0.00	8400364.529	304735.773	468.980	470.146	1.17	3.500	470.006	-4.00	5.50	469.626	-4.00
-5.500	469.727	-4.00	-3.50	470.107	-4.00	1786	+	0.00	8400372.420	304717.395	469.049	470.247	1.20	3.500	470.107	-4.00	5.50	469.727	-4.00
-5.500	469.828	-4.00	-3.50	470.208	-4.00	1787	+	0.00	8400380.423	304699.067	469.097	470.348	1.25	3.500	470.208	-4.00	5.50	469.828	-4.00
-5.500	469.928	-4.00	-3.50	470.308	-4.00	1788	+	0.00	8400388.539	304680.787	469.082	470.448	1.37	3.500	470.308	-4.00	5.50	469.928	-4.00
-5.500	470.029	-4.00	-3.50	470.409	-4.00	1789	+	0.00	8400396.768	304662.558	469.051	470.549	1.50	3.500	470.409	-4.00	5.50	470.029	-4.00
-5.500	470.130	-4.00	-3.50	470.510	-4.00	1790	+	0.00	8400405.108	304644.381	468.998	470.650	1.65	3.500	470.510	-4.00	5.50	470.130	-4.00
-5.500	470.231	-4.00	-3.50	470.611	-4.00	1791	+	0.00	8400413.560	304626.254	469.001	470.751	1.75	3.500	470.611	-4.00	5.50	470.231	-4.00
-5.500	470.332	-4.00	-3.50	470.712	-4.00	1792	+	0.00	8400422.124	304608.180	468.836	470.852	2.02	3.500	470.712	-4.00	5.50	470.332	-4.00
-5.500	470.404	-4.00	-3.50	470.784	-4.00	1792	+	14.13	8400428.205	304595.498	468.819	470.924	2.10	3.500	470.784	-4.00	5.50	470.404	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	470.433	-4.00	-3.50	470.813	-4.00	1793	+	0.00	8400430.798	304590.160	468.769	470.953	2.18	3.500	470.813	-4.00	5.50	470.433	-4.00
-5.500	470.534	-4.00	-3.50	470.914	-4.00	1794	+	0.00	8400439.583	304572.192	468.691	471.054	2.36	3.500	470.914	-4.00	5.50	470.534	-4.00
-5.500	470.635	-4.00	-3.50	471.015	-4.00	1795	+	0.00	8400448.479	304554.280	468.587	471.155	2.57	3.500	471.015	-4.00	5.50	470.635	-4.00
-5.500	470.736	-4.00	-3.50	471.116	-4.00	1796	+	0.00	8400457.485	304536.422	468.713	471.256	2.54	3.500	471.116	-4.00	5.50	470.736	-4.00
-5.500	470.837	-4.00	-3.50	471.217	-4.00	1797	+	0.00	8400466.60	304518.620	468.755	471.357	2.60	3.500	471.217	-4.00	5.50	470.837	-4.00
-5.500	470.938	-4.00	-3.50	471.318	-4.00	1798	+	0.00	8400475.825	304500.875	469.037	471.458	2.42	3.500	471.318	-4.00	5.50	470.938	-4.00
-5.500	471.039	-4.00	-3.50	471.419	-4.00	1799	+	0.00	8400485.159	304483.186	469.184	471.559	2.38	3.500	471.419	-4.00	5.50	471.039	-4.00
-5.500	471.140	-4.00	-3.50	471.520	-4.00	1800	+	0.00	8400494.601	304465.556	469.162	471.660	2.50	3.500	471.520	-4.00	5.50	471.140	-4.00
-5.500	471.241	-4.00	-3.50	471.621	-4.00	1801	+	0.00	8400504.152	304447.984	469.095	471.761	2.67	3.500	471.621	-4.00	5.50	471.241	-4.00
-5.500	471.342	-4.00	-3.50	471.722	-4.00	1802	+	0.00	8400513.811	304430.471	469.071	471.862	2.79	3.500	471.722	-4.00	5.50	471.342	-4.00
-5.500	471.417	-4.00	-3.50	471.797	-4.00	1802	+	14.89	8400521.070	304417.474	469.056	471.937	2.88	3.500	471.797	-4.00	5.50	471.417	-4.00
-5.500	471.443	-4.00	-3.50	471.823	-4.00	1803	+	0.00	8400523.574	304413.015	469.002	471.963	2.96	3.500	471.823	-4.00	5.50	471.443	-4.00
-5.500	471.544	-4.00	-3.50	471.924	-4.00	1804	+	0.00	8400533.367	304395.577	469.039	472.064	3.03	3.500	471.924	-4.00	5.50	471.544	-4.00
-5.500	471.645	-4.00	-3.50	472.025	-4.00	1805	+	0.00	8400543.159	304378.138	468.948	472.165	3.22	3.500	472.025	-4.00	5.50	471.645	-4.00
-5.500	471.746	-4.00	-3.50	472.126	-4.00	1806	+	0.00	8400552.952	304360.70	468.895	472.266	3.37	3.500	472.126	-4.00	5.50	471.746	-4.00
-5.500	471.847	-4.00	-3.50	472.227	-4.00	1807	+	0.00	8400562.745	304343.261	468.684	472.367	3.68	3.500	472.227	-4.00	5.50	471.847	-4.00
-5.500	471.948	-4.00	-3.50	472.328	-4.00	1808	+	0.00	8400572.537	304325.822	468.787	472.468	3.68	3.500	472.328	-4.00	5.50	471.948	-4.00
-5.500	472.049	-4.00	-3.50	472.429	-4.00	1809	+	0.00	8400582.330	304308.384	468.585	472.569	3.98	3.500	472.429	-4.00	5.50	472.049	-4.00
-5.500	472.150	-4.00	-3.50	472.530	-4.00	1810	+	0.00	8400592.123	304290.945	468.638	472.670	4.03	3.500	472.530	-4.00	5.50	472.150	-4.00
-5.500	472.251	-4.00	-3.50	472.631	-4.00	1811	+	0.00	8400601.915	304273.507	468.634	472.771	4.14	3.500	472.631	-4.00	5.50	472.251	-4.00
-5.500	472.352	-4.00	-3.50	472.732	-4.00	1812	+	0.00	8400611.708	304256.068	468.640	472.872	4.23	3.500	472.732	-4.00	5.50	472.352	-4.00
-5.500	472.448	-4.00	-3.50	472.828	-4.00	1813	+	0.00	8400621.50	304238.630	468.606	472.968	4.36	3.500	472.828	-4.00	5.50	472.448	-4.00
-5.500	472.509	-4.00	-3.50	472.889	-4.00	1814	+	0.00	8400631.293	304221.191	468.461	473.029	4.57	3.500	472.889	-4.00	5.50	472.509	-4.00
-5.500	472.529	-4.00	-3.50	472.909	-4.00	1815	+	0.00	8400641.086	304203.752	468.506	473.049	4.54	3.500	472.909	-4.00	5.50	472.529	-4.00
-5.500	472.510	-4.00	-3.50	472.890	-4.00	1816	+	0.00	8400650.878	304186.314	468.445	473.030	4.58	3.500	472.890	-4.00	5.50	472.510	-4.00
-5.500	472.450	-4.00	-3.50	472.830	-4.00	1817	+	0.00	8400660.671	304168.875	468.405	472.970	4.57	3.500	472.830	-4.00	5.50	472.450	-4.00
-5.500	472.355	-4.00	-3.50	472.735	-4.00	1818	+	0.00	8400670.464	304151.437	468.422	472.875	4.45	3.500	472.735	-4.00	5.50	472.355	-4.00
-5.500	472.255	-4.00	-3.50	472.635	-4.00	1819	+	0.00	8400680.256	304133.998	468.428	472.775	4.35	3.500	472.635	-4.00	5.50	472.255	-4.00
-5.500	472.155	-4.00	-3.50	472.535	-4.00	1820	+	0.00	8400690.049	304116.560	468.431	472.675	4.24	3.500	472.535	-4.00	5.50	472.155	-4.00
-5.500	472.055	-4.00	-3.50	472.435	-4.00	1821	+	0.00	8400699.842	304099.121	468.416	472.575	4.16	3.500	472.435	-4.00	5.50	472.055	-4.00
-5.500	471.955	-4.00	-3.50	472.335	-4.00	1822	+	0.00	8400709.634	304081.682	468.393	472.475	4.08	3.500	472.335	-4.00	5.50	471.955	-4.00
-5.500	471.855	-4.00	-3.50	472.235	-4.00	1823	+	0.00	8400719.427	304064.244	468.346	472.375	4.03	3.500	472.235	-4.00	5.50	471.855	-4.00
-5.500	471.755	-4.00	-3.50	472.135	-4.00	1824	+	0.00	8400729.220	304046.805	468.332	472.275	3.94	3.500	472.135	-4.00	5.50	471.755	-4.00
-5.500	471.655	-4.00	-3.50	472.035	-4.00	1825	+	0.00	8400739.012	304029.367	468.311	472.175	3.86	3.500	472.035	-4.00	5.50	471.655	-4.00
-5.500	471.555	-4.00	-3.50	471.935	-4.00	1826	+	0.00	8400748.805	304011.928	468.330	472.075	3.75	3.500	471.935	-4.00	5.50	471.555	-4.00
-5.500	471.455	-4.00	-3.50	471.835	-4.00	1827	+	0.00	8400758.597	303994.489	468.294	471.975	3.68	3.500	471.835	-4.00	5.50	471.455	-4.00
-5.500	471.355	-4.00	-3.50	471.735	-4.00	1828	+	0.00	8400768.390	303977.051	468.245	471.875	3.63	3.500	471.735	-4.00	5.50	471.355	-4.00
-5.500	471.255	-4.00	-3.50	471.635	-4.00	1829	+	0.00	8400778.183	303959.612	468.202	471.775	3.57	3.500	471.635	-4.00	5.50	471.255	-4.00
-5.500	471.155	-4.00	-3.50	471.535	-4.00	1830	+	0.00	8400787.975	303942.174	468.157	471.675	3.52	3.500	471.535	-4.00	5.50	471.155	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	471.055	-4.00	-3.50	471.435	-4.00	1831	+	0.00	8400797.768	303924.735	468.037	471.575	3.54	3.500	471.435	-4.00	5.50	471.055	-4.00
-5.500	470.955	-4.00	-3.50	471.335	-4.00	1832	+	0.00	8400807.561	303907.297	467.924	471.475	3.55	3.500	471.335	-4.00	5.50	470.955	-4.00
-5.500	470.855	-4.00	-3.50	471.235	-4.00	1833	+	0.00	8400817.353	303889.858	467.837	471.375	3.54	3.500	471.235	-4.00	5.50	470.855	-4.00
-5.500	470.824	-2.75	-3.50	471.179	-2.75	1834	+	0.00	8400827.146	303872.419	467.780	471.275	3.50	3.500	471.135	-4.00	5.50	470.755	-4.00
-5.500	470.881	0.10	-3.50	471.179	0.10	1835	+	0.00	8400836.939	303854.981	467.831	471.175	3.34	3.500	471.035	-4.00	5.50	470.655	-4.00
-5.500	470.918	1.60	-3.50	471.186	1.60	1835	+	8.99	8400841.343	303847.138	467.897	471.130	3.23	3.500	470.990	-4.00	5.50	470.610	-4.00
-5.500	470.964	3.43	-3.50	471.195	3.43	1836	+	0.00	8400846.784	303837.572	468.000	471.075	3.07	3.500	470.935	-4.00	5.50	470.555	-4.00
-5.500	470.895	4.00	-3.50	471.115	4.00	1837	+	0.00	8400856.941	303820.343	468.128	470.975	2.85	3.500	470.835	-4.00	5.50	470.455	-4.00
-5.500	470.795	4.00	-3.50	471.015	4.00	1838	+	0.00	8400867.440	303803.321	468.138	470.875	2.74	3.500	470.735	-4.00	5.50	470.355	-4.00
-5.500	470.695	4.00	-3.50	470.915	4.00	1839	+	0.00	8400878.277	303786.512	468.222	470.775	2.55	3.500	470.635	-4.00	5.50	470.255	-4.00
-5.500	470.599	4.00	-3.50	470.819	4.00	1839	+	19.17	8400888.967	303770.631	468.141	470.679	2.54	3.500	470.539	-4.00	5.50	470.159	-4.00
-5.500	470.595	4.00	-3.50	470.815	4.00	1840	+	0.00	8400889.449	303769.924	468.131	470.675	2.54	3.500	470.535	-4.00	5.50	470.155	-4.00
-5.500	470.495	4.00	-3.50	470.715	4.00	1841	+	0.00	8400900.950	303753.562	467.859	470.575	2.72	3.500	470.435	-4.00	5.50	470.055	-4.00
-5.500	470.395	4.00	-3.50	470.615	4.00	1842	+	0.00	8400912.775	303737.433	467.712	470.475	2.76	3.500	470.335	-4.00	5.50	469.955	-4.00
-5.500	470.295	4.00	-3.50	470.515	4.00	1843	+	0.00	8400924.921	303721.544	467.631	470.375	2.74	3.500	470.235	-4.00	5.50	469.855	-4.00
-5.500	470.149	3.16	-3.50	470.386	3.16	1844	+	0.00	8400937.383	303705.901	467.607	470.275	2.67	3.500	470.135	-4.00	5.50	469.755	-4.00
-5.500	470.016	1.60	-3.50	470.284	1.60	1844	+	9.35	8400943.317	303698.672	467.625	470.228	2.60	3.500	470.088	-4.00	5.50	469.708	-4.00
-5.500	469.867	-0.15	-3.50	470.170	-0.15	1845	+	0.00	8400950.111	303690.474	467.657	470.175	2.52	3.500	470.035	-4.00	5.50	469.655	-4.00
-5.500	469.611	-2.98	-3.50	469.971	-2.98	1846	+	0.00	8400962.873	303675.075	467.650	470.075	2.43	3.500	469.935	-4.00	5.50	469.555	-4.00
-5.500	469.455	-4.00	-3.50	469.835	-4.00	1847	+	0.00	8400975.635	303659.676	467.750	469.975	2.23	3.500	469.835	-4.00	5.50	469.455	-4.00
-5.500	469.355	-4.00	-3.50	469.735	-4.00	1848	+	0.00	8400988.397	303644.277	467.810	469.875	2.07	3.500	469.735	-4.00	5.50	469.355	-4.00
-5.500	469.255	-4.00	-3.50	469.635	-4.00	1849	+	0.00	8401001.159	303628.878	467.852	469.775	1.92	3.500	469.635	-4.00	5.50	469.255	-4.00
-5.500	469.155	-4.00	-3.50	469.535	-4.00	1850	+	0.00	8401013.921	303613.479	467.754	469.675	1.92	3.500	469.535	-4.00	5.50	469.155	-4.00
-5.500	469.055	-4.00	-3.50	469.435	-4.00	1851	+	0.00	8401026.683	303598.079	467.540	469.575	2.03	3.500	469.435	-4.00	5.50	469.055	-4.00
-5.500	468.955	-4.00	-3.50	469.335	-4.00	1852	+	0.00	8401039.445	303582.680	467.331	469.475	2.14	3.500	469.335	-4.00	5.50	468.955	-4.00
-5.500	468.855	-4.00	-3.50	469.235	-4.00	1853	+	0.00	8401052.207	303567.281	467.192	469.375	2.18	3.500	469.235	-4.00	5.50	468.855	-4.00
-5.500	468.755	-4.00	-3.50	469.135	-4.00	1854	+	0.00	8401064.969	303551.882	467.126	469.275	2.15	3.500	469.135	-4.00	5.50	468.755	-4.00
-5.500	468.655	-4.00	-3.50	469.035	-4.00	1855	+	0.00	8401077.731	303536.483	467.071	469.175	2.10	3.500	469.035	-4.00	5.50	468.655	-4.00
-5.500	468.555	-4.00	-3.50	468.935	-4.00	1856	+	0.00	8401090.493	303521.084	467.066	469.075	2.01	3.500	468.935	-4.00	5.50	468.555	-4.00
-5.500	468.455	-4.00	-3.50	468.835	-4.00	1857	+	0.00	8401103.255	303505.685	467.167	468.975	1.81	3.500	468.835	-4.00	5.50	468.455	-4.00
-5.500	468.355	-4.00	-3.50	468.735	-4.00	1858	+	0.00	8401116.017	303490.286	467.275	468.875	1.60	3.500	468.735	-4.00	5.50	468.355	-4.00
-5.500	468.255	-4.00	-3.50	468.635	-4.00	1859	+	0.00	8401128.779	303474.887	467.193	468.775	1.58	3.500	468.635	-4.00	5.50	468.255	-4.00
-5.500	468.155	-4.00	-3.50	468.535	-4.00	1860	+	0.00	8401141.541	303459.488	467.031	468.675	1.64	3.500	468.535	-4.00	5.50	468.155	-4.00
-5.500	468.055	-4.00	-3.50	468.435	-4.00	1861	+	0.00	8401154.303	303444.089	466.777	468.575	1.80	3.500	468.435	-4.00	5.50	468.055	-4.00
-5.500	467.955	-4.00	-3.50	468.335	-4.00	1862	+	0.00	8401167.065	303428.689	466.697	468.475	1.78	3.500	468.335	-4.00	5.50	467.955	-4.00
-5.500	467.855	-4.00	-3.50	468.235	-4.00	1863	+	0.00	8401179.826	303413.290	466.577	468.375	1.80	3.500	468.235	-4.00	5.50	467.855	-4.00
-5.500	467.755	-4.00	-3.50	468.135	-4.00	1864	+	0.00	8401192.588	303397.891	466.519	468.275	1.76	3.500	468.135	-4.00	5.50	467.755	-4.00
-5.500	467.655	-4.00	-3.50	468.035	-4.00	1865	+	0.00	8401205.350	303382.492	466.553	468.175	1.62	3.500	468.035	-4.00	5.50	467.655	-4.00
-5.500	467.555	-4.00	-3.50	467.935	-4.00	1866	+	0.00	8401218.112	303367.093	466.457	468.075	1.62	3.500	467.935	-4.00	5.50	467.555	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	467.455	-4.00	-3.50	467.835	-4.00	1867	+	0.00	8401230.874	303351.694	466.492	467.975	1.48	3.500	467.835	-4.00	5.50	467.455	-4.00
-5.500	467.355	-4.00	-3.50	467.735	-4.00	1868	+	0.00	8401243.636	303336.295	466.464	467.875	1.41	3.500	467.735	-4.00	5.50	467.355	-4.00
-5.500	467.255	-4.00	-3.50	467.635	-4.00	1869	+	0.00	8401256.398	303320.896	466.423	467.775	1.35	3.500	467.635	-4.00	5.50	467.255	-4.00
-5.500	467.155	-4.00	-3.50	467.535	-4.00	1870	+	0.00	8401269.160	303305.497	466.415	467.675	1.26	3.500	467.535	-4.00	5.50	467.155	-4.00
-5.500	467.055	-4.00	-3.50	467.435	-4.00	1871	+	0.00	8401281.922	303290.098	466.318	467.575	1.26	3.500	467.435	-4.00	5.50	467.055	-4.00
-5.500	466.955	-4.00	-3.50	467.335	-4.00	1872	+	0.00	8401294.684	303274.698	466.200	467.475	1.28	3.500	467.335	-4.00	5.50	466.955	-4.00
-5.500	466.860	-4.00	-3.50	467.240	-4.00	1873	+	0.00	8401307.446	303259.299	466.039	467.380	1.34	3.500	467.240	-4.00	5.50	466.860	-4.00
-5.500	466.800	-4.00	-3.50	467.180	-4.00	1874	+	0.00	8401320.208	303243.90	465.873	467.320	1.45	3.500	467.180	-4.00	5.50	466.800	-4.00
-5.500	466.780	-4.00	-3.50	467.160	-4.00	1875	+	0.00	8401332.970	303228.501	465.853	467.300	1.45	3.500	467.160	-4.00	5.50	466.780	-4.00
-5.500	466.800	-4.00	-3.50	467.180	-4.00	1876	+	0.00	8401345.732	303213.102	465.807	467.320	1.51	3.500	467.180	-4.00	5.50	466.800	-4.00
-5.500	466.860	-4.00	-3.50	467.240	-4.00	1877	+	0.00	8401358.494	303197.703	465.867	467.380	1.51	3.500	467.240	-4.00	5.50	466.860	-4.00
-5.500	466.955	-4.00	-3.50	467.335	-4.00	1878	+	0.00	8401371.256	303182.304	465.978	467.475	1.50	3.500	467.335	-4.00	5.50	466.955	-4.00
-5.500	467.055	-4.00	-3.50	467.435	-4.00	1879	+	0.00	8401384.018	303166.905	465.920	467.575	1.65	3.500	467.435	-4.00	5.50	467.055	-4.00
-5.500	467.155	-4.00	-3.50	467.535	-4.00	1880	+	0.00	8401396.780	303151.506	465.725	467.675	1.95	3.500	467.535	-4.00	5.50	467.155	-4.00
-5.500	467.255	-4.00	-3.50	467.635	-4.00	1881	+	0.00	8401409.542	303136.107	465.495	467.775	2.28	3.500	467.635	-4.00	5.50	467.255	-4.00
-5.500	467.355	-4.00	-3.50	467.735	-4.00	1882	+	0.00	8401422.304	303120.708	465.315	467.875	2.56	3.500	467.735	-4.00	5.50	467.355	-4.00
-5.500	467.455	-4.00	-3.50	467.835	-4.00	1883	+	0.00	8401435.066	303105.308	465.138	467.975	2.84	3.500	467.835	-4.00	5.50	467.455	-4.00
-5.500	467.555	-4.00	-3.50	467.935	-4.00	1884	+	0.00	8401447.828	303089.909	465.167	468.075	2.91	3.500	467.935	-4.00	5.50	467.555	-4.00
-5.500	467.655	-4.00	-3.50	468.035	-4.00	1885	+	0.00	8401460.590	303074.510	465.199	468.175	2.98	3.500	468.035	-4.00	5.50	467.655	-4.00
-5.500	467.755	-4.00	-3.50	468.135	-4.00	1886	+	0.00	8401473.352	303059.111	465.244	468.275	3.03	3.500	468.135	-4.00	5.50	467.755	-4.00
-5.500	467.855	-4.00	-3.50	468.235	-4.00	1887	+	0.00	8401486.114	303043.712	465.237	468.375	3.14	3.500	468.235	-4.00	5.50	467.855	-4.00
-5.500	467.955	-4.00	-3.50	468.335	-4.00	1888	+	0.00	8401498.876	303028.313	465.215	468.475	3.26	3.500	468.335	-4.00	5.50	467.955	-4.00
-5.500	468.055	-4.00	-3.50	468.435	-4.00	1889	+	0.00	8401511.638	303012.914	465.234	468.575	3.34	3.500	468.435	-4.00	5.50	468.055	-4.00
-5.500	468.155	-4.00	-3.50	468.535	-4.00	1890	+	0.00	8401524.40	302997.515	465.335	468.675	3.34	3.500	468.535	-4.00	5.50	468.155	-4.00
-5.500	468.255	-4.00	-3.50	468.635	-4.00	1891	+	0.00	8401537.162	302982.116	465.415	468.775	3.36	3.500	468.635	-4.00	5.50	468.255	-4.00
-5.500	468.355	-4.00	-3.50	468.735	-4.00	1892	+	0.00	8401549.924	302966.717	465.648	468.875	3.23	3.500	468.735	-4.00	5.50	468.355	-4.00
-5.500	468.455	-4.00	-3.50	468.835	-4.00	1893	+	0.00	8401562.686	302951.318	465.780	468.975	3.20	3.500	468.835	-4.00	5.50	468.455	-4.00
-5.500	468.555	-4.00	-3.50	468.935	-4.00	1894	+	0.00	8401575.448	302935.918	465.769	469.075	3.31	3.500	468.935	-4.00	5.50	468.555	-4.00
-5.500	468.655	-4.00	-3.50	469.035	-4.00	1895	+	0.00	8401588.210	302920.519	465.693	469.175	3.48	3.500	469.035	-4.00	5.50	468.655	-4.00
-5.500	468.755	-4.00	-3.50	469.135	-4.00	1896	+	0.00	8401600.972	302905.120	465.630	469.275	3.64	3.500	469.135	-4.00	5.50	468.755	-4.00
-5.500	468.855	-4.00	-3.50	469.235	-4.00	1897	+	0.00	8401613.734	302889.721	465.635	469.375	3.74	3.500	469.235	-4.00	5.50	468.855	-4.00
-5.500	468.955	-4.00	-3.50	469.335	-4.00	1898	+	0.00	8401626.495	302874.322	465.545	469.475	3.93	3.500	469.335	-4.00	5.50	468.955	-4.00
-5.500	469.055	-4.00	-3.50	469.435	-4.00	1899	+	0.00	8401639.257	302858.923	465.432	469.575	4.14	3.500	469.435	-4.00	5.50	469.055	-4.00
-5.500	469.155	-4.00	-3.50	469.535	-4.00	1900	+	0.00	8401652.019	302843.524	465.247	469.675	4.43	3.500	469.535	-4.00	5.50	469.155	-4.00
-5.500	469.255	-4.00	-3.50	469.635	-4.00	1901	+	0.00	8401664.781	302828.125	464.960	469.775	4.82	3.500	469.635	-4.00	5.50	469.255	-4.00
-5.500	469.355	-4.00	-3.50	469.735	-4.00	1902	+	0.00	8401677.543	302812.726	464.675	469.875	5.20	3.500	469.735	-4.00	5.50	469.355	-4.00
-5.500	469.448	-4.00	-3.50	469.828	-4.00	1903	+	0.00	8401690.305	302797.327	464.485	469.968	5.48	3.500	469.828	-4.00	5.50	469.448	-4.00
-5.500	469.488	-4.00	-3.50	469.868	-4.00	1904	+	0.00	8401703.067	302781.927	464.302	470.008	5.71	3.500	469.868	-4.00	5.50	469.488	-4.00
-5.500	469.468	-4.00	-3.50	469.848	-4.00	1905	+	0.00	8401715.829	302766.528	464.262	469.988	5.73	3.500	469.848	-4.00	5.50	469.468	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	469.388	-4.00	-3.50	469.768	-4.00	1906	+	0.00	8401728.591	302751.129	464.381	469.908	5.53	3.500	469.768	-4.00	5.50	469.388	-4.00
-5.500	469.248	-4.00	-3.50	469.628	-4.00	1907	+	0.00	8401741.353	302735.730	464.574	469.768	5.19	3.500	469.684	-2.41	5.50	469.335	-2.41
-5.500	469.055	-4.00	-3.50	469.435	-4.00	1908	+	0.00	8401754.115	302720.331	464.811	469.575	4.76	3.500	469.561	-0.41	5.50	469.252	-0.41
-5.500	469.014	-4.00	-3.50	469.394	-4.00	1908	+	4.12	8401756.746	302717.157	464.870	469.534	4.66	3.500	469.534	0.00	5.50	469.234	0.00
-5.500	468.855	-4.00	-3.50	469.235	-4.00	1909	+	0.00	8401766.859	302704.917	465.173	469.375	4.20	3.500	469.431	1.59	5.50	469.162	1.59
-5.500	468.655	-4.00	-3.50	469.035	-4.00	1910	+	0.00	8401779.434	302689.365	465.550	469.175	3.63	3.500	469.301	3.59	5.50	469.072	3.59
-5.500	468.368	-5.59	-3.50	468.779	-5.59	1911	+	0.00	8401791.619	302673.507	465.851	468.975	3.12	3.500	469.171	5.59	5.50	468.982	5.59
-5.500	468.335	-5.80	-3.50	468.751	-5.80	1911	+	2.12	8401792.880	302671.799	465.857	468.954	3.10	3.500	469.157	5.80	5.50	468.973	5.80
-5.500	468.156	-5.80	-3.50	468.572	-5.80	1912	+	0.00	8401803.211	302657.210	466.067	468.775	2.71	3.500	468.978	5.80	5.50	468.794	5.80
-5.500	467.956	-5.80	-3.50	468.372	-5.80	1913	+	0.00	8401814.142	302640.463	466.266	468.575	2.31	3.500	468.778	5.80	5.50	468.594	5.80
-5.500	467.858	-5.80	-3.50	468.274	-5.80	1913	+	9.77	8401819.199	302632.113	466.219	468.477	2.26	3.500	468.680	5.80	5.50	468.496	5.80
-5.500	467.756	-5.80	-3.50	468.172	-5.80	1914	+	0.00	8401824.394	302623.292	466.240	468.375	2.13	3.500	468.578	5.80	5.50	468.394	5.80
-5.500	467.556	-5.80	-3.50	467.972	-5.80	1915	+	0.00	8401833.951	302605.725	466.344	468.175	1.83	3.500	468.378	5.80	5.50	468.194	5.80
-5.500	467.382	-5.80	-3.50	467.798	-5.80	1915	+	17.42	8401841.699	302590.120	466.336	468.001	1.66	3.500	468.204	5.80	5.50	468.020	5.80
-5.500	467.370	-5.54	-3.50	467.781	-5.54	1916	+	0.00	8401842.799	302587.790	466.291	467.975	1.68	3.500	468.169	5.54	5.50	467.980	5.54
-5.500	467.255	-4.00	-3.50	467.635	-4.00	1917	+	0.00	8401850.983	302569.542	466.164	467.775	1.61	3.500	467.899	3.54	5.50	467.670	3.54
-5.500	467.055	-4.00	-3.50	467.435	-4.00	1918	+	0.00	8401858.718	302551.099	465.999	467.575	1.58	3.500	467.629	1.54	5.50	467.360	1.54
-5.500	466.901	-4.00	-3.50	467.281	-4.00	1918	+	15.42	8401864.536	302536.815	465.719	467.421	1.70	3.500	467.421	0.00	5.50	467.121	0.00
-5.500	466.855	-4.00	-3.50	467.235	-4.00	1919	+	0.00	8401866.257	302532.574	465.620	467.375	1.76	3.500	467.359	-0.46	5.50	467.050	-0.46
-5.500	466.655	-4.00	-3.50	467.035	-4.00	1920	+	0.00	8401873.776	302514.041	465.145	467.175	2.03	3.500	467.089	-2.46	5.50	466.740	-2.46
-5.500	466.455	-4.00	-3.50	466.835	-4.00	1921	+	0.00	8401881.295	302495.508	464.512	466.975	2.46	3.500	466.835	-4.00	5.50	466.455	-4.00
-5.500	466.255	-4.00	-3.50	466.635	-4.00	1922	+	0.00	8401888.814	302476.976	464.014	466.775	2.76	3.500	466.635	-4.00	5.50	466.255	-4.00
-5.500	466.063	-4.00	-3.50	466.443	-4.00	1923	+	0.00	8401896.333	302458.443	463.603	466.583	2.98	3.500	466.443	-4.00	5.50	466.063	-4.00
-5.500	465.927	-4.00	-3.50	466.307	-4.00	1924	+	0.00	8401903.852	302439.910	463.311	466.447	3.14	3.500	466.307	-4.00	5.50	465.927	-4.00
-5.500	465.855	-4.00	-3.50	466.235	-4.00	1925	+	0.00	8401911.371	302421.377	463.224	466.375	3.15	3.500	466.235	-4.00	5.50	465.855	-4.00
-5.500	465.847	-4.00	-3.50	466.227	-4.00	1926	+	0.00	8401918.890	302402.845	463.262	466.367	3.11	3.500	466.227	-4.00	5.50	465.847	-4.00
-5.500	465.903	-4.00	-3.50	466.283	-4.00	1927	+	0.00	8401926.409	302384.312	463.537	466.423	2.89	3.500	466.283	-4.00	5.50	465.903	-4.00
-5.500	466.015	-4.00	-3.50	466.395	-4.00	1928	+	0.00	8401933.928	302365.779	463.993	466.535	2.54	3.500	466.395	-4.00	5.50	466.015	-4.00
-5.500	466.135	-4.00	-3.50	466.515	-4.00	1929	+	0.00	8401941.447	302347.246	464.404	466.655	2.25	3.500	466.515	-4.00	5.50	466.135	-4.00
-5.500	466.255	-4.00	-3.50	466.635	-4.00	1930	+	0.00	8401948.966	302328.713	464.591	466.775	2.18	3.500	466.635	-4.00	5.50	466.255	-4.00
-5.500	466.375	-4.00	-3.50	466.755	-4.00	1931	+	0.00	8401956.486	302310.181	465.042	466.895	1.85	3.500	466.755	-4.00	5.50	466.375	-4.00
-5.500	466.495	-4.00	-3.50	466.875	-4.00	1932	+	0.00	8401964.005	302291.648	465.159	467.015	1.86	3.500	466.875	-4.00	5.50	466.495	-4.00
-5.500	466.615	-4.00	-3.50	466.995	-4.00	1933	+	0.00	8401971.524	302273.115	465.297	467.135	1.84	3.500	466.995	-4.00	5.50	466.615	-4.00
-5.500	466.735	-4.00	-3.50	467.115	-4.00	1934	+	0.00	8401979.043	302254.582	465.636	467.255	1.62	3.500	467.178	-2.19	5.50	466.835	-2.19
-5.500	466.855	-4.00	-3.50	467.235	-4.00	1935	+	0.00	8401986.562	302236.050	465.859	467.375	1.52	3.500	467.390	0.44	5.50	467.099	0.44
-5.500	466.912	-4.00	-3.50	467.292	-4.00	1935	+	9.46	8401990.119	302227.282	465.783	467.432	1.65	3.500	467.491	1.68	5.50	467.224	1.68
-5.500	466.975	-4.00	-3.50	467.355	-4.00	1936	+	0.00	8401994.012	302217.489	465.751	467.495	1.74	3.500	467.602	3.06	5.50	467.363	3.06
-5.500	467.084	-4.20	-3.50	467.468	-4.20	1937	+	0.00	8402001.021	302198.758	465.784	467.615	1.83	3.500	467.762	4.20	5.50	467.546	4.20
-5.500	467.204	-4.20	-3.50	467.588	-4.20	1938	+	0.00	8402007.527	302179.847	465.743	467.735	1.99	3.500	467.882	4.20	5.50	467.666	4.20

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	467.324	-4.20	-3.50	467.708	-4.20	1939	+	0.00	8402013.527	302160.769	465.633	467.855	2.22	3.500	468.002	4.20	5.50	467.786	4.20
-5.500	467.444	-4.20	-3.50	467.828	-4.20	1940	+	0.00	8402019.017	302141.537	465.635	467.975	2.34	3.500	468.122	4.20	5.50	467.906	4.20
-5.500	467.564	-4.20	-3.50	467.948	-4.20	1941	+	0.00	8402023.991	302122.166	465.760	468.095	2.34	3.500	468.242	4.20	5.50	468.026	4.20
-5.500	467.681	-4.20	-3.50	468.065	-4.20	1941	+	19.42	8402028.248	302103.267	465.600	468.212	2.61	3.500	468.359	4.20	5.50	468.143	4.20
-5.500	467.684	-4.20	-3.50	468.068	-4.20	1942	+	0.00	8402028.448	302102.670	465.603	468.215	2.61	3.500	468.362	4.20	5.50	468.146	4.20
-5.500	467.804	-4.20	-3.50	468.188	-4.20	1943	+	0.00	8402032.382	302083.061	465.430	468.335	2.90	3.500	468.482	4.20	5.50	468.266	4.20
-5.500	467.924	-4.20	-3.50	468.308	-4.20	1944	+	0.00	8402035.793	302063.355	465.396	468.455	3.06	3.500	468.602	4.20	5.50	468.386	4.20
-5.500	468.044	-4.20	-3.50	468.428	-4.20	1945	+	0.00	8402038.677	302043.565	465.237	468.575	3.34	3.500	468.722	4.20	5.50	468.506	4.20
-5.500	468.164	-4.20	-3.50	468.548	-4.20	1946	+	0.00	8402041.032	302023.704	465.365	468.695	3.33	3.500	468.842	4.20	5.50	468.626	4.20
-5.500	468.284	-4.20	-3.50	468.668	-4.20	1947	+	0.00	8402042.857	302003.788	465.361	468.815	3.45	3.500	468.962	4.20	5.50	468.746	4.20
-5.500	468.407	-4.00	-3.50	468.787	-4.00	1948	+	0.00	8402044.150	301983.831	465.450	468.927	3.48	3.500	469.029	2.91	5.50	468.787	2.91
-5.500	468.441	-4.00	-3.50	468.821	-4.00	1948	+	9.38	8402044.573	301974.459	465.353	468.961	3.61	3.500	469.020	1.68	5.50	468.753	1.68
-5.500	468.463	-4.00	-3.50	468.843	-4.00	1949	+	0.00	8402044.986	301963.848	465.426	468.983	3.56	3.500	468.993	0.29	5.50	468.699	0.29
-5.500	468.455	-4.00	-3.50	468.835	-4.00	1950	+	0.00	8402045.763	301943.864	465.499	468.975	3.48	3.500	468.893	-2.34	5.50	468.546	-2.34
-5.500	468.383	-4.00	-3.50	468.763	-4.00	1951	+	0.00	8402046.540	301923.879	465.557	468.903	3.35	3.500	468.763	-4.00	5.50	468.383	-4.00
-5.500	468.247	-4.00	-3.50	468.627	-4.00	1952	+	0.00	8402047.317	301903.894	465.408	468.767	3.36	3.500	468.627	-4.00	5.50	468.247	-4.00
-5.500	468.055	-4.00	-3.50	468.435	-4.00	1953	+	0.00	8402048.095	301883.909	465.450	468.575	3.13	3.500	468.435	-4.00	5.50	468.055	-4.00
-5.500	467.855	-4.00	-3.50	468.235	-4.00	1954	+	0.00	8402048.872	301863.924	465.474	468.375	2.90	3.500	468.235	-4.00	5.50	467.855	-4.00
-5.500	467.655	-4.00	-3.50	468.035	-4.00	1955	+	0.00	8402049.649	301843.939	465.522	468.175	2.65	3.500	468.035	-4.00	5.50	467.655	-4.00
-5.500	467.455	-4.00	-3.50	467.835	-4.00	1956	+	0.00	8402050.426	301823.954	465.586	467.975	2.39	3.500	467.835	-4.00	5.50	467.455	-4.00
-5.500	467.255	-4.00	-3.50	467.635	-4.00	1957	+	0.00	8402051.203	301803.969	465.384	467.775	2.39	3.500	467.635	-4.00	5.50	467.255	-4.00
-5.500	467.055	-4.00	-3.50	467.435	-4.00	1958	+	0.00	8402051.980	301783.984	465.196	467.575	2.38	3.500	467.435	-4.00	5.50	467.055	-4.00
-5.500	466.855	-4.00	-3.50	467.235	-4.00	1959	+	0.00	8402052.757	301763.999	465.152	467.375	2.22	3.500	467.235	-4.00	5.50	466.855	-4.00
-5.500	466.655	-4.00	-3.50	467.035	-4.00	1960	+	0.00	8402053.534	301744.015	464.835	467.175	2.34	3.500	467.035	-4.00	5.50	466.655	-4.00
-5.500	466.455	-4.00	-3.50	466.835	-4.00	1961	+	0.00	8402054.311	301724.030	464.640	466.975	2.34	3.500	466.835	-4.00	5.50	466.455	-4.00
-5.500	466.255	-4.00	-3.50	466.635	-4.00	1962	+	0.00	8402055.089	301704.045	464.576	466.775	2.20	3.500	466.635	-4.00	5.50	466.255	-4.00
-5.500	466.064	-4.00	-3.50	466.444	-4.00	1963	+	0.00	8402055.866	301684.060	464.551	466.584	2.03	3.500	466.444	-4.00	5.50	466.064	-4.00
-5.500	465.938	-4.00	-3.50	466.318	-4.00	1964	+	0.00	8402056.643	301664.075	464.574	466.458	1.88	3.500	466.318	-4.00	5.50	465.938	-4.00
-5.500	465.884	-4.00	-3.50	466.264	-4.00	1965	+	0.00	8402057.420	301644.090	464.492	466.404	1.91	3.500	466.264	-4.00	5.50	465.884	-4.00
-5.500	465.904	-4.00	-3.50	466.284	-4.00	1966	+	0.00	8402058.197	301624.105	464.471	466.424	1.95	3.500	466.348	-2.17	5.50	466.005	-2.17
-5.500	465.998	-4.00	-3.50	466.378	-4.00	1967	+	0.00	8402058.974	301604.120	464.484	466.518	2.03	3.500	466.512	-0.17	5.50	466.209	-0.17
-5.500	466.009	-4.00	-3.50	466.389	-4.00	1967	+	1.75	8402059.042	301602.375	464.475	466.529	2.05	3.500	466.529	0.00	5.50	466.229	0.00
-5.500	466.155	-4.00	-3.50	466.535	-4.00	1968	+	0.00	8402059.716	301584.134	464.442	466.675	2.23	3.500	466.739	1.83	5.50	466.476	1.83
-5.500	466.322	-4.00	-3.50	466.702	-4.00	1969	+	0.00	8402060.207	301564.140	464.444	466.842	2.40	3.500	466.976	3.83	5.50	466.753	3.83
-5.500	466.387	-5.80	-3.50	466.803	-5.80	1969	+	19.75	8402060.175	301544.395	464.487	467.006	2.52	3.500	467.209	5.80	5.50	467.025	5.80
-5.500	466.389	-5.80	-3.50	466.805	-5.80	1970	+	0.00	8402060.170	301544.141	464.485	467.008	2.52	3.500	467.211	5.80	5.50	467.027	5.80
-5.500	466.556	-5.80	-3.50	466.972	-5.80	1971	+	0.00	8402059.377	301524.158	464.302	467.175	2.87	3.500	467.378	5.80	5.50	467.194	5.80
-5.500	466.723	-5.80	-3.50	467.139	-5.80	1972	+	0.00	8402057.786	301504.223	464.205	467.342	3.14	3.500	467.545	5.80	5.50	467.361	5.80
-5.500	466.731	-5.80	-3.50	467.147	-5.80	1972	+	1.03	8402057.652	301503.214	464.199	467.350	3.15	3.500	467.553	5.80	5.50	467.369	5.80

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	466.889	-5.80	-3.50	467.305	-5.80	1973	+	0.00	8402055.399	301484.367	464.164	467.508	3.34	3.500	467.711	5.80	5.50	467.527	5.80
-5.500	467.056	-5.80	-3.50	467.472	-5.80	1974	+	0.00	8402052.220	301464.623	464.068	467.675	3.61	3.500	467.878	5.80	5.50	467.694	5.80
-5.500	467.075	-5.80	-3.50	467.491	-5.80	1974	+	2.32	8402051.80	301462.341	464.078	467.694	3.62	3.500	467.897	5.80	5.50	467.713	5.80
-5.500	467.320	-4.03	-3.50	467.701	-4.03	1975	+	0.00	8402048.285	301445.015	464.090	467.842	3.75	3.500	467.983	4.03	5.50	467.764	4.03
-5.500	467.488	-4.00	-3.50	467.868	-4.00	1976	+	0.00	8402043.806	301425.523	464.045	468.008	3.96	3.500	468.079	2.03	5.50	467.820	2.03
-5.500	467.655	-4.00	-3.50	468.035	-4.00	1977	+	0.00	8402039.055	301406.096	464.126	468.175	4.05	3.500	468.176	0.03	5.50	467.877	0.03
-5.500	467.658	-4.00	-3.50	468.038	-4.00	1977	+	0.32	8402038.978	301405.785	464.133	468.178	4.05	3.500	468.178	0.00	5.50	467.878	0.00
-5.500	467.815	-4.00	-3.50	468.195	-4.00	1978	+	0.00	8402034.257	301386.680	464.275	468.335	4.06	3.500	468.266	-1.97	5.50	467.927	-1.97
-5.500	467.928	-4.00	-3.50	468.308	-4.00	1979	+	0.00	8402029.458	301367.264	464.382	468.448	4.07	3.500	468.309	-3.97	5.50	467.930	-3.97
-5.500	467.988	-4.00	-3.50	468.368	-4.00	1980	+	0.00	8402024.660	301347.848	464.473	468.508	4.03	3.500	468.368	-4.00	5.50	467.988	-4.00
-5.500	467.995	-4.00	-3.50	468.375	-4.00	1981	+	0.00	8402019.861	301328.433	464.643	468.515	3.87	3.500	468.375	-4.00	5.50	467.995	-4.00
-5.500	467.948	-4.00	-3.50	468.328	-4.00	1982	+	0.00	8402015.063	301309.017	464.781	468.468	3.69	3.500	468.328	-4.00	5.50	467.948	-4.00
-5.500	467.855	-4.00	-3.50	468.235	-4.00	1983	+	0.00	8402010.265	301289.601	464.825	468.375	3.55	3.500	468.235	-4.00	5.50	467.855	-4.00
-5.500	467.755	-4.00	-3.50	468.135	-4.00	1984	+	0.00	8402005.466	301270.185	464.707	468.275	3.57	3.500	468.135	-4.00	5.50	467.755	-4.00
-5.500	467.655	-4.00	-3.50	468.035	-4.00	1985	+	0.00	8402000.668	301250.769	464.867	468.175	3.31	3.500	468.035	-4.00	5.50	467.655	-4.00
-5.500	467.555	-4.00	-3.50	467.935	-4.00	1986	+	0.00	8401995.870	301231.353	464.832	468.075	3.24	3.500	467.935	-4.00	5.50	467.555	-4.00
-5.500	467.455	-4.00	-3.50	467.835	-4.00	1987	+	0.00	8401991.071	301211.937	465.011	467.975	2.96	3.500	467.835	-4.00	5.50	467.455	-4.00
-5.500	467.355	-4.00	-3.50	467.735	-4.00	1988	+	0.00	8401986.273	301192.521	464.954	467.875	2.92	3.500	467.735	-4.00	5.50	467.355	-4.00
-5.500	467.255	-4.00	-3.50	467.635	-4.00	1989	+	0.00	8401981.475	301173.106	464.919	467.775	2.86	3.500	467.635	-4.00	5.50	467.255	-4.00
-5.500	467.155	-4.00	-3.50	467.535	-4.00	1990	+	0.00	8401976.676	301153.690	464.897	467.675	2.78	3.500	467.535	-4.00	5.50	467.155	-4.00
-5.500	467.055	-4.00	-3.50	467.435	-4.00	1991	+	0.00	8401971.878	301134.274	464.865	467.575	2.71	3.500	467.435	-4.00	5.50	467.055	-4.00
-5.500	466.929	-4.00	-3.50	467.309	-4.00	1992	+	0.00	8401967.080	301114.858	464.978	467.449	2.47	3.500	467.309	-4.00	5.50	466.929	-4.00
-5.500	466.712	-4.00	-3.50	467.092	-4.00	1993	+	0.00	8401962.281	301095.442	465.049	467.232	2.18	3.500	467.092	-4.00	5.50	466.712	-4.00
-5.500	466.402	-4.00	-3.50	466.782	-4.00	1994	+	0.00	8401957.483	301076.026	464.936	466.922	1.99	3.500	466.782	-4.00	5.50	466.402	-4.00
-5.500	465.999	-4.00	-3.50	466.379	-4.00	1995	+	0.00	8401952.684	301056.610	464.930	466.519	1.59	3.500	466.379	-4.00	5.50	465.999	-4.00
-5.500	465.502	-4.00	-3.50	465.882	-4.00	1996	+	0.00	8401947.886	301037.195	464.805	466.022	1.22	3.500	465.886	-3.88	5.50	465.509	-3.88
-5.500	464.912	-4.00	-3.50	465.292	-4.00	1997	+	0.00	8401943.088	301017.779	464.639	465.432	0.79	3.500	465.364	-1.95	5.50	465.025	-1.95
-5.500	464.229	-4.00	-3.50	464.609	-4.00	1998	+	0.00	8401938.289	300998.363	464.517	464.749	0.23	3.500	464.748	-0.02	5.50	464.448	-0.02
-5.500	464.222	-4.00	-3.50	464.602	-4.00	1998	+	0.19	8401938.245	300998.184	464.506	464.742	0.24	3.500	464.742	0.00	5.50	464.442	0.00
-5.500	463.455	-4.00	-3.50	463.835	-4.00	1999	+	0.00	8401933.449	300978.957	464.538	463.975	-0.56	3.500	463.975	0.00	5.50	463.675	0.00
-5.500	462.655	-4.00	-3.50	463.035	-4.00	2000	+	0.00	8401928.353	300959.618	464.247	463.175	-1.07	3.500	463.310	3.85	5.50	463.087	3.85
-5.500	461.757	-5.78	-3.50	462.173	-5.78	2001	+	0.00	8401922.745	300940.421	463.777	462.375	-1.40	3.500	462.577	5.78	5.50	462.393	5.78
-5.500	461.749	-5.80	-3.50	462.165	-5.80	2001	+	0.19	8401922.691	300940.245	463.768	462.368	-1.40	3.500	462.571	5.80	5.50	462.387	5.80
-5.500	460.956	-5.80	-3.50	461.372	-5.80	2002	+	0.00	8401916.418	300921.450	462.554	461.575	-0.98	3.500	461.778	5.80	5.50	461.594	5.80
-5.500	460.156	-5.80	-3.50	460.572	-5.80	2003	+	0.00	8401909.337	300902.747	461.439	460.775	-0.66	3.500	460.978	5.80	5.50	460.794	5.80
-5.500	459.954	-5.80	-3.50	460.370	-5.80	2003	+	5.04	8401907.423	300898.040	461.019	460.573	-0.45	3.500	460.776	5.80	5.50	460.592	5.80
-5.500	459.356	-5.80	-3.50	459.772	-5.80	2004	+	0.00	8401901.514	300884.341	459.911	459.975	0.06	3.500	460.178	5.80	5.50	459.994	5.80
-5.500	458.622	-5.80	-3.50	459.038	-5.80	2005	+	0.00	8401892.962	300866.264	458.450	459.241	0.79	3.500	459.444	5.80	5.50	459.260	5.80
-5.500	458.309	-5.80	-3.50	458.725	-5.80	2005	+	9.89	8401888.465	300857.451	457.642	458.928	1.29	3.500	459.131	5.80	5.50	458.947	5.80

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	458.076	-4.82	-3.50	458.472	-4.82	2006	+	0.00	8401883.698	300848.540	456.680	458.641	1.96	3.500	458.810	4.82	5.50	458.606	4.82
-5.500	457.653	-4.00	-3.50	458.033	-4.00	2007	+	0.00	8401873.854	300831.131	455.454	458.173	2.72	3.500	458.274	2.89	5.50	458.032	2.89
-5.500	457.317	-4.00	-3.50	457.697	-4.00	2008	+	0.00	8401863.665	300813.921	454.436	457.837	3.40	3.500	457.871	0.96	5.50	457.590	0.96
-5.500	457.200	-4.00	-3.50	457.580	-4.00	2008	+	9.89	8401858.568	300805.441	454.047	457.720	3.67	3.500	457.720	0.00	5.50	457.420	0.00
-5.500	457.115	-4.00	-3.50	457.495	-4.00	2009	+	0.00	8401853.358	300796.782	453.687	457.635	3.95	3.500	457.601	-0.98	5.50	457.281	-0.98
-5.500	457.045	-4.00	-3.50	457.425	-4.00	2010	+	0.00	8401843.046	300779.645	453.431	457.565	4.13	3.500	457.463	-2.91	5.50	457.105	-2.91
-5.500	457.108	-4.00	-3.50	457.488	-4.00	2011	+	0.00	8401832.734	300762.509	453.557	457.628	4.07	3.500	457.488	-4.00	5.50	457.108	-4.00
-5.500	457.304	-4.00	-3.50	457.684	-4.00	2012	+	0.00	8401822.422	300745.372	454.303	457.824	3.52	3.500	457.684	-4.00	5.50	457.304	-4.00
-5.500	457.633	-4.00	-3.50	458.013	-4.00	2013	+	0.00	8401812.110	300728.235	455.316	458.153	2.84	3.500	458.013	-4.00	5.50	457.633	-4.00
-5.500	458.094	-4.00	-3.50	458.474	-4.00	2014	+	0.00	8401801.798	300711.099	457.078	458.614	1.54	3.500	458.474	-4.00	5.50	458.094	-4.00
-5.500	458.688	-4.00	-3.50	459.068	-4.00	2015	+	0.00	8401791.487	300693.962	458.942	459.208	0.27	3.500	459.068	-4.00	5.50	458.688	-4.00
-5.500	459.415	-4.00	-3.50	459.795	-4.00	2016	+	0.00	8401781.175	300676.825	460.627	459.935	-0.69	3.500	459.795	-4.00	5.50	459.415	-4.00
-5.500	460.208	-4.00	-3.50	460.588	-4.00	2017	+	0.00	8401770.863	300659.689	461.636	460.728	-0.91	3.500	460.588	-4.00	5.50	460.208	-4.00
-5.500	461.002	-4.00	-3.50	461.382	-4.00	2018	+	0.00	8401760.551	300642.552	462.509	461.522	-0.99	3.500	461.382	-4.00	5.50	461.002	-4.00
-5.500	461.795	-4.00	-3.50	462.175	-4.00	2019	+	0.00	8401750.239	300625.415	463.214	462.315	-0.90	3.500	462.175	-4.00	5.50	461.795	-4.00
-5.500	462.588	-4.00	-3.50	462.968	-4.00	2020	+	0.00	8401739.927	300608.279	463.788	463.108	-0.68	3.500	462.968	-4.00	5.50	462.588	-4.00
-5.500	463.382	-4.00	-3.50	463.762	-4.00	2021	+	0.00	8401729.615	300591.142	464.058	463.902	-0.16	3.500	463.762	-4.00	5.50	463.382	-4.00
-5.500	464.141	-4.00	-3.50	464.521	-4.00	2022	+	0.00	8401719.303	300574.005	464.291	464.661	0.37	3.500	464.521	-4.00	5.50	464.141	-4.00
-5.500	464.782	-4.00	-3.50	465.162	-4.00	2023	+	0.00	8401708.992	300556.869	464.499	465.302	0.80	3.500	465.162	-4.00	5.50	464.782	-4.00
-5.500	465.301	-4.00	-3.50	465.681	-4.00	2024	+	0.00	8401698.680	300539.732	464.706	465.821	1.12	3.500	465.681	-4.00	5.50	465.301	-4.00
-5.500	465.699	-4.00	-3.50	466.079	-4.00	2025	+	0.00	8401688.368	300522.595	464.568	466.219	1.65	3.500	466.079	-4.00	5.50	465.699	-4.00
-5.500	465.975	-4.00	-3.50	466.355	-4.00	2026	+	0.00	8401678.056	300505.459	464.465	466.495	2.03	3.500	466.355	-4.00	5.50	465.975	-4.00
-5.500	466.129	-4.00	-3.50	466.509	-4.00	2027	+	0.00	8401667.744	300488.322	464.294	466.649	2.36	3.500	466.509	-4.00	5.50	466.129	-4.00
-5.500	466.161	-4.00	-3.50	466.541	-4.00	2028	+	0.00	8401657.432	300471.185	464.240	466.681	2.44	3.500	466.541	-4.00	5.50	466.161	-4.00
-5.500	466.075	-4.00	-3.50	466.455	-4.00	2029	+	0.00	8401647.120	300454.048	464.209	466.595	2.39	3.500	466.455	-4.00	5.50	466.075	-4.00
-5.500	465.955	-4.00	-3.50	466.335	-4.00	2030	+	0.00	8401636.808	300436.912	464.237	466.475	2.24	3.500	466.335	-4.00	5.50	465.955	-4.00
-5.500	465.835	-4.00	-3.50	466.215	-4.00	2031	+	0.00	8401626.497	300419.775	464.303	466.355	2.05	3.500	466.215	-4.00	5.50	465.835	-4.00
-5.500	465.715	-4.00	-3.50	466.095	-4.00	2032	+	0.00	8401616.185	300402.638	464.337	466.235	1.90	3.500	466.095	-4.00	5.50	465.715	-4.00
-5.500	465.667	-4.00	-3.50	466.047	-4.00	2032	+	8.07	8401612.023	300395.722	464.363	466.187	1.82	3.500	466.047	-4.00	5.50	465.667	-4.00
-5.500	465.595	-4.00	-3.50	465.975	-4.00	2033	+	0.00	8401605.854	300385.513	464.429	466.115	1.69	3.500	465.975	-4.00	5.50	465.595	-4.00
-5.500	465.475	-4.00	-3.50	465.855	-4.00	2034	+	0.00	8401595.427	300368.446	464.307	465.995	1.69	3.500	465.855	-4.00	5.50	465.475	-4.00
-5.500	465.355	-4.00	-3.50	465.735	-4.00	2035	+	0.00	8401584.895	300351.444	464.388	465.875	1.49	3.500	465.735	-4.00	5.50	465.355	-4.00
-5.500	465.235	-4.00	-3.50	465.615	-4.00	2036	+	0.00	8401574.258	300334.507	464.346	465.755	1.41	3.500	465.615	-4.00	5.50	465.235	-4.00
-5.500	465.115	-4.00	-3.50	465.495	-4.00	2037	+	0.00	8401563.518	300317.636	464.438	465.635	1.20	3.500	465.495	-4.00	5.50	465.115	-4.00
-5.500	464.995	-4.00	-3.50	465.375	-4.00	2038	+	0.00	8401552.674	300300.831	464.575	465.515	0.94	3.500	465.375	-4.00	5.50	464.995	-4.00
-5.500	464.875	-4.00	-3.50	465.255	-4.00	2039	+	0.00	8401541.726	300284.093	464.443	465.395	0.95	3.500	465.255	-4.00	5.50	464.875	-4.00
-5.500	464.755	-4.00	-3.50	465.135	-4.00	2040	+	0.00	8401530.676	300267.423	464.626	465.275	0.65	3.500	465.135	-4.00	5.50	464.755	-4.00
-5.500	464.635	-4.00	-3.50	465.015	-4.00	2041	+	0.00	8401519.524	300250.821	464.459	465.155	0.70	3.500	465.015	-4.00	5.50	464.635	-4.00
-5.500	464.515	-4.00	-3.50	464.895	-4.00	2042	+	0.00	8401508.269	300234.288	463.694	465.035	1.34	3.500	464.895	-4.00	5.50	464.515	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	464.401	-4.00	-3.50	464.781	-4.00	2042	+	19.03	8401497.460	300218.620	462.938	464.921	1.98	3.500	464.781	-4.00	5.50	464.401	-4.00
-5.500	464.395	-4.00	-3.50	464.775	-4.00	2043	+	0.00	8401496.913	300217.825	462.917	464.915	2.00	3.500	464.775	-4.00	5.50	464.395	-4.00
-5.500	464.275	-4.00	-3.50	464.655	-4.00	2044	+	0.00	8401485.456	300201.432	462.553	464.795	2.24	3.500	464.655	-4.00	5.50	464.275	-4.00
-5.500	464.155	-4.00	-3.50	464.535	-4.00	2045	+	0.00	8401473.898	300185.110	462.512	464.675	2.16	3.500	464.535	-4.00	5.50	464.155	-4.00
-5.500	464.035	-4.00	-3.50	464.415	-4.00	2046	+	0.00	8401462.240	300168.859	462.518	464.555	2.04	3.500	464.415	-4.00	5.50	464.035	-4.00
-5.500	463.915	-4.00	-3.50	464.295	-4.00	2047	+	0.00	8401450.483	300152.680	462.846	464.435	1.59	3.500	464.295	-4.00	5.50	463.915	-4.00
-5.500	463.795	-4.00	-3.50	464.175	-4.00	2048	+	0.00	8401438.625	300136.574	463.346	464.315	0.97	3.500	464.175	-4.00	5.50	463.795	-4.00
-5.500	463.675	-4.00	-3.50	464.055	-4.00	2049	+	0.00	8401426.669	300120.541	463.865	464.195	0.33	3.500	464.055	-4.00	5.50	463.675	-4.00
-5.500	463.555	-4.00	-3.50	463.935	-4.00	2050	+	0.00	8401414.615	300104.582	464.001	464.075	0.07	3.500	463.935	-4.00	5.50	463.555	-4.00
-5.500	463.435	-4.00	-3.50	463.815	-4.00	2051	+	0.00	8401402.463	300088.698	463.839	463.955	0.12	3.500	463.815	-4.00	5.50	463.435	-4.00
-5.500	463.315	-4.00	-3.50	463.695	-4.00	2052	+	0.00	8401390.213	300072.888	463.763	463.835	0.07	3.500	463.695	-4.00	5.50	463.315	-4.00
-5.500	463.195	-4.00	-3.50	463.575	-4.00	2053	+	0.00	8401377.866	300057.155	463.696	463.715	0.02	3.500	463.575	-4.00	5.50	463.195	-4.00
-5.500	463.135	-4.00	-3.50	463.515	-4.00	2053	+	9.99	8401371.661	300049.323	463.653	463.655	0.00	3.500	463.515	-4.00	5.50	463.135	-4.00
-5.500	463.075	-4.00	-3.50	463.455	-4.00	2054	+	0.00	8401365.434	300041.487	463.665	463.595	-0.07	3.500	463.455	-4.00	5.50	463.075	-4.00
-5.500	462.955	-4.00	-3.50	463.335	-4.00	2055	+	0.00	8401352.991	300025.830	463.665	463.475	-0.19	3.500	463.335	-4.00	5.50	462.955	-4.00
-5.500	462.835	-4.00	-3.50	463.215	-4.00	2056	+	0.00	8401340.547	300010.172	463.665	463.355	-0.31	3.500	463.215	-4.00	5.50	462.835	-4.00
-5.500	462.715	-4.00	-3.50	463.095	-4.00	2057	+	0.00	8401328.103	299994.515	463.544	463.235	-0.31	3.500	463.095	-4.00	5.50	462.715	-4.00
-5.500	462.589	-4.00	-3.50	462.969	-4.00	2058	+	0.00	8401315.660	299978.857	463.067	463.109	0.04	3.500	462.969	-4.00	5.50	462.589	-4.00
-5.500	462.419	-4.00	-3.50	462.799	-4.00	2059	+	0.00	8401303.216	299963.20	462.440	462.939	0.50	3.500	462.799	-4.00	5.50	462.419	-4.00
-5.500	462.200	-4.00	-3.50	462.580	-4.00	2060	+	0.00	8401290.773	299947.542	461.966	462.720	0.75	3.500	462.580	-4.00	5.50	462.200	-4.00
-5.500	461.931	-4.00	-3.50	462.311	-4.00	2061	+	0.00	8401278.329	299931.885	461.704	462.451	0.75	3.500	462.311	-4.00	5.50	461.931	-4.00
-5.500	461.613	-4.00	-3.50	461.993	-4.00	2062	+	0.00	8401265.886	299916.227	461.547	462.133	0.59	3.500	461.993	-4.00	5.50	461.613	-4.00
-5.500	461.251	-4.00	-3.50	461.631	-4.00	2063	+	0.00	8401253.442	299900.570	461.577	461.771	0.19	3.500	461.631	-4.00	5.50	461.251	-4.00
-5.500	460.883	-4.00	-3.50	461.263	-4.00	2064	+	0.00	8401240.999	299884.912	461.640	461.403	-0.24	3.500	461.263	-4.00	5.50	460.883	-4.00
-5.500	460.515	-4.00	-3.50	460.895	-4.00	2065	+	0.00	8401228.555	299869.255	461.416	461.035	-0.38	3.500	460.895	-4.00	5.50	460.515	-4.00
-5.500	460.147	-4.00	-3.50	460.527	-4.00	2066	+	0.00	8401216.111	299853.597	460.887	460.667	-0.22	3.500	460.527	-4.00	5.50	460.147	-4.00
-5.500	459.779	-4.00	-3.50	460.159	-4.00	2067	+	0.00	8401203.668	299837.940	460.397	460.299	-0.10	3.500	460.159	-4.00	5.50	459.779	-4.00
-5.500	459.411	-4.00	-3.50	459.791	-4.00	2068	+	0.00	8401191.224	299822.282	460.130	459.931	-0.20	3.500	459.791	-4.00	5.50	459.411	-4.00
-5.500	459.043	-4.00	-3.50	459.423	-4.00	2069	+	0.00	8401178.781	299806.625	460.038	459.563	-0.48	3.500	459.423	-4.00	5.50	459.043	-4.00
-5.500	458.675	-4.00	-3.50	459.055	-4.00	2070	+	0.00	8401166.337	299790.967	459.999	459.195	-0.80	3.500	459.055	-4.00	5.50	458.675	-4.00
-5.500	458.307	-4.00	-3.50	458.687	-4.00	2071	+	0.00	8401153.894	299775.310	459.881	458.827	-1.05	3.500	458.687	-4.00	5.50	458.307	-4.00
-5.500	457.939	-4.00	-3.50	458.319	-4.00	2072	+	0.00	8401141.450	299759.652	459.644	458.459	-1.19	3.500	458.319	-4.00	5.50	457.939	-4.00
-5.500	457.571	-4.00	-3.50	457.951	-4.00	2073	+	0.00	8401129.006	299743.995	459.192	458.091	-1.10	3.500	457.951	-4.00	5.50	457.571	-4.00
-5.500	457.203	-4.00	-3.50	457.583	-4.00	2074	+	0.00	8401116.563	299728.337	458.610	457.723	-0.89	3.500	457.583	-4.00	5.50	457.203	-4.00
-5.500	456.835	-4.00	-3.50	457.215	-4.00	2075	+	0.00	8401104.119	299712.680	458.096	457.355	-0.74	3.500	457.215	-4.00	5.50	456.835	-4.00
-5.500	456.467	-4.00	-3.50	456.847	-4.00	2076	+	0.00	8401091.676	299697.022	457.654	456.987	-0.67	3.500	456.847	-4.00	5.50	456.467	-4.00
-5.500	456.099	-4.00	-3.50	456.479	-4.00	2077	+	0.00	8401079.232	299681.365	457.196	456.619	-0.58	3.500	456.479	-4.00	5.50	456.099	-4.00
-5.500	455.731	-4.00	-3.50	456.111	-4.00	2078	+	0.00	8401066.789	299665.707	456.955	456.251	-0.70	3.500	456.111	-4.00	5.50	455.731	-4.00
-5.500	455.363	-4.00	-3.50	455.743	-4.00	2079	+	0.00	8401054.345	299650.050	456.885	455.883	-1.00	3.500	455.743	-4.00	5.50	455.363	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	454.995	-4.00	-3.50	455.375	-4.00	2080	+	0.00	8401041.902	299634.392	456.858	455.515	-1.34	3.500	455.375	-4.00	5.50	454.995	-4.00
-5.500	454.627	-4.00	-3.50	455.007	-4.00	2081	+	0.00	8401029.458	299618.735	456.771	455.147	-1.62	3.500	455.007	-4.00	5.50	454.627	-4.00
-5.500	454.259	-4.00	-3.50	454.639	-4.00	2082	+	0.00	8401017.014	299603.077	456.630	454.779	-1.85	3.500	454.639	-4.00	5.50	454.259	-4.00
-5.500	453.901	-4.00	-3.50	454.281	-4.00	2083	+	0.00	8401004.571	299587.419	456.123	454.421	-1.70	3.500	454.281	-4.00	5.50	453.901	-4.00
-5.500	453.613	-4.00	-3.50	453.993	-4.00	2084	+	0.00	8400992.127	299571.762	455.493	454.133	-1.36	3.500	453.993	-4.00	5.50	453.613	-4.00
-5.500	453.406	-4.00	-3.50	453.786	-4.00	2085	+	0.00	8400979.684	299556.104	454.929	453.926	-1.00	3.500	453.786	-4.00	5.50	453.406	-4.00
-5.500	453.279	-4.00	-3.50	453.659	-4.00	2086	+	0.00	8400967.240	299540.447	454.235	453.799	-0.44	3.500	453.659	-4.00	5.50	453.279	-4.00
-5.500	453.232	-4.00	-3.50	453.612	-4.00	2087	+	0.00	8400954.797	299524.789	453.878	453.752	-0.13	3.500	453.612	-4.00	5.50	453.232	-4.00
-5.500	453.255	-4.00	-3.50	453.635	-4.00	2088	+	0.00	8400942.353	299509.132	453.661	453.775	0.11	3.500	453.635	-4.00	5.50	453.255	-4.00
-5.500	453.279	-4.00	-3.50	453.659	-4.00	2088	+	14.45	8400933.363	299497.824	453.204	453.799	0.59	3.500	453.659	-4.00	5.50	453.279	-4.00
-5.500	453.400	-4.00	-3.50	453.780	-4.00	2092	+	6.91	8400888.307	299441.103	453.675	453.920	0.25	3.500	453.780	-4.00	5.50	453.400	-4.00
-5.500	453.422	-4.00	-3.50	453.802	-4.00	2093	+	0.00	8400880.135	299430.844	453.500	453.942	0.44	3.500	453.802	-4.00	5.50	453.422	-4.00
-5.500	453.455	-4.00	-3.50	453.835	-4.00	2094	+	0.00	8400867.692	299415.187	453.358	453.975	0.62	3.500	453.835	-4.00	5.50	453.455	-4.00
-5.500	453.488	-4.00	-3.50	453.868	-4.00	2095	+	0.00	8400855.248	299399.529	453.355	454.008	0.65	3.500	453.868	-4.00	5.50	453.488	-4.00
-5.500	453.522	-4.00	-3.50	453.902	-4.00	2096	+	0.00	8400842.805	299383.872	453.548	454.042	0.49	3.500	453.902	-4.00	5.50	453.522	-4.00
-5.500	453.555	-4.00	-3.50	453.935	-4.00	2097	+	0.00	8400830.361	299368.214	455.042	454.075	-0.97	3.500	453.935	-4.00	5.50	453.555	-4.00
-5.500	453.604	-4.00	-3.50	453.984	-4.00	2098	+	0.00	8400817.917	299352.557	456.081	454.124	-1.96	3.500	453.984	-4.00	5.50	453.604	-4.00
-5.500	453.760	-4.00	-3.50	454.140	-4.00	2099	+	0.00	8400805.474	299336.899	457.003	454.280	-2.72	3.500	454.140	-4.00	5.50	453.760	-4.00
-5.500	454.143	-2.12	-3.50	454.486	-2.12	2100	+	0.00	8400793.030	299321.242	457.591	454.560	-3.03	3.500	454.420	-4.00	5.50	454.040	-4.00
-5.500	454.632	0.00	-3.50	454.932	0.00	2100	+	18.63	8400781.437	299306.653	457.914	454.932	-2.98	3.500	454.792	-4.00	5.50	454.412	-4.00
-5.500	454.673	0.16	-3.50	454.970	0.16	2101	+	0.00	8400780.587	299305.584	457.985	454.964	-3.02	3.500	454.824	-4.00	5.50	454.444	-4.00
-5.500	455.324	2.43	-3.50	455.575	2.43	2102	+	0.00	8400768.198	299289.883	458.162	455.490	-2.67	3.500	455.350	-4.00	5.50	454.970	-4.00
-5.500	456.084	4.71	-3.50	456.290	4.71	2103	+	0.00	8400756.101	299273.957	458.254	456.125	-2.13	3.500	455.960	-4.71	5.50	455.566	-4.71
-5.500	456.729	6.60	-3.50	456.897	6.60	2103	+	16.63	8400746.466	299260.399	458.477	456.666	-1.81	3.500	456.435	-6.60	5.50	456.003	-6.60
-5.500	456.838	6.60	-3.50	457.006	6.60	2104	+	0.00	8400744.580	299257.611	458.414	456.775	-1.64	3.500	456.544	-6.60	5.50	456.112	-6.60
-5.500	457.488	6.60	-3.50	457.656	6.60	2105	+	0.00	8400733.863	299240.728	458.598	457.425	-1.17	3.500	457.194	-6.60	5.50	456.762	-6.60
-5.500	458.138	6.60	-3.50	458.306	6.60	2106	+	0.00	8400724.002	299223.329	458.784	458.075	-0.71	3.500	457.844	-6.60	5.50	457.412	-6.60
-5.500	458.788	6.60	-3.50	458.956	6.60	2107	+	0.00	8400715.024	299205.460	459.151	458.725	-0.43	3.500	458.494	-6.60	5.50	458.062	-6.60
-5.500	459.425	6.60	-3.50	459.593	6.60	2108	+	0.00	8400706.950	299187.165	459.782	459.362	-0.42	3.500	459.131	-6.60	5.50	458.699	-6.60
-5.500	459.972	6.60	-3.50	460.140	6.60	2109	+	0.00	8400699.80	299168.489	460.060	459.909	-0.15	3.500	459.678	-6.60	5.50	459.246	-6.60
-5.500	460.415	6.60	-3.50	460.583	6.60	2110	+	0.00	8400693.593	299149.478	460.152	460.352	0.20	3.500	460.121	-6.60	5.50	459.689	-6.60
-5.500	460.755	6.60	-3.50	460.923	6.60	2111	+	0.00	8400688.344	299130.182	460.456	460.692	0.24	3.500	460.461	-6.60	5.50	460.029	-6.60
-5.500	460.992	6.60	-3.50	461.160	6.60	2112	+	0.00	8400684.065	299110.647	460.493	460.929	0.44	3.500	460.698	-6.60	5.50	460.266	-6.60
-5.500	461.138	6.60	-3.50	461.306	6.60	2113	+	0.00	8400680.769	299090.923	460.823	461.075	0.25	3.500	460.844	-6.60	5.50	460.412	-6.60
-5.500	461.168	6.60	-3.50	461.336	6.60	2113	+	4.51	8400680.198	299086.455	460.985	461.105	0.12	3.500	460.874	-6.60	5.50	460.442	-6.60
-5.500	461.271	6.60	-3.50	461.439	6.60	2114	+	0.00	8400678.462	299071.058	460.951	461.208	0.26	3.500	460.977	-6.60	5.50	460.545	-6.60
-5.500	461.405	6.60	-3.50	461.573	6.60	2115	+	0.00	8400677.151	299051.103	461.139	461.342	0.20	3.500	461.111	-6.60	5.50	460.679	-6.60
-5.500	461.538	6.60	-3.50	461.706	6.60	2116	+	0.00	8400676.839	299031.108	461.222	461.475	0.25	3.500	461.244	-6.60	5.50	460.812	-6.60
-5.500	461.671	6.60	-3.50	461.839	6.60	2117	+	0.00	8400677.526	299011.122	461.165	461.608	0.44	3.500	461.377	-6.60	5.50	460.945	-6.60

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	461.805	6.60	-3.50	461.973	6.60	2118	+	0.00	8400679.212	298991.195	461.006	461.742	0.74	3.500	461.511	-6.60	5.50	461.079	-6.60
-5.500	461.938	6.60	-3.50	462.106	6.60	2119	+	0.00	8400681.892	298971.377	461.094	461.875	0.78	3.500	461.644	-6.60	5.50	461.212	-6.60
-5.500	462.071	6.60	-3.50	462.239	6.60	2120	+	0.00	8400685.558	298951.718	461.153	462.008	0.85	3.500	461.777	-6.60	5.50	461.345	-6.60
-5.500	462.205	6.60	-3.50	462.373	6.60	2121	+	0.00	8400690.203	298932.267	461.090	462.142	1.05	3.500	461.911	-6.60	5.50	461.479	-6.60
-5.500	462.338	6.60	-3.50	462.506	6.60	2122	+	0.00	8400695.814	298913.073	461.240	462.275	1.03	3.500	462.044	-6.60	5.50	461.612	-6.60
-5.500	462.420	6.60	-3.50	462.588	6.60	2122	+	12.38	8400699.763	298901.345	461.261	462.357	1.10	3.500	462.126	-6.60	5.50	461.694	-6.60
-5.500	462.416	5.73	-3.50	462.602	5.73	2123	+	0.00	8400702.374	298894.181	461.254	462.401	1.15	3.500	462.200	-5.73	5.50	461.786	-5.73
-5.500	462.366	3.46	-3.50	462.597	3.46	2124	+	0.00	8400709.736	298875.587	461.370	462.476	1.11	3.500	462.336	-4.00	5.50	461.956	-4.00
-5.500	462.258	1.18	-3.50	462.534	1.18	2125	+	0.00	8400717.582	298857.190	461.558	462.493	0.94	3.500	462.353	-4.00	5.50	461.973	-4.00
-5.500	462.179	0.00	-3.50	462.479	0.00	2125	+	10.38	8400721.737	298847.684	461.629	462.479	0.85	3.500	462.339	-4.00	5.50	461.959	-4.00
-5.500	462.092	-1.10	-3.50	462.414	-1.10	2126	+	0.00	8400725.599	298838.867	461.646	462.452	0.81	3.500	462.312	-4.00	5.50	461.932	-4.00
-5.500	461.867	-3.37	-3.50	462.234	-3.37	2127	+	0.00	8400733.623	298820.548	461.735	462.352	0.62	3.500	462.212	-4.00	5.50	461.832	-4.00
-5.500	461.681	-4.00	-3.50	462.061	-4.00	2128	+	0.00	8400741.647	298802.228	461.750	462.201	0.45	3.500	462.061	-4.00	5.50	461.681	-4.00
-5.500	461.523	-4.00	-3.50	461.903	-4.00	2129	+	0.00	8400749.671	298783.908	461.736	462.043	0.31	3.500	461.903	-4.00	5.50	461.523	-4.00
-5.500	461.366	-4.00	-3.50	461.746	-4.00	2130	+	0.00	8400757.695	298765.588	461.668	461.886	0.22	3.500	461.746	-4.00	5.50	461.366	-4.00
-5.500	461.208	-4.00	-3.50	461.588	-4.00	2131	+	0.00	8400765.719	298747.269	461.316	461.728	0.41	3.500	461.588	-4.00	5.50	461.208	-4.00
-5.500	461.050	-4.00	-3.50	461.430	-4.00	2132	+	0.00	8400773.743	298728.949	460.799	461.570	0.77	3.500	461.430	-4.00	5.50	461.050	-4.00
-5.500	460.892	-4.00	-3.50	461.272	-4.00	2133	+	0.00	8400781.768	298710.629	460.277	461.412	1.13	3.500	461.272	-4.00	5.50	460.892	-4.00
-5.500	460.734	-4.00	-3.50	461.114	-4.00	2134	+	0.00	8400789.792	298692.309	459.850	461.254	1.40	3.500	461.114	-4.00	5.50	460.734	-4.00
-5.500	460.576	-4.00	-3.50	460.956	-4.00	2135	+	0.00	8400797.816	298673.989	459.453	461.096	1.64	3.500	460.956	-4.00	5.50	460.576	-4.00
-5.500	460.418	-4.00	-3.50	460.798	-4.00	2136	+	0.00	8400805.840	298655.670	459.067	460.938	1.87	3.500	460.798	-4.00	5.50	460.418	-4.00
-5.500	460.260	-4.00	-3.50	460.640	-4.00	2137	+	0.00	8400813.864	298637.350	458.642	460.780	2.14	3.500	460.640	-4.00	5.50	460.260	-4.00
-5.500	460.102	-4.00	-3.50	460.482	-4.00	2138	+	0.00	8400821.888	298619.030	458.218	460.622	2.40	3.500	460.482	-4.00	5.50	460.102	-4.00
-5.500	459.944	-4.00	-3.50	460.324	-4.00	2139	+	0.00	8400829.912	298600.710	457.819	460.464	2.64	3.500	460.324	-4.00	5.50	459.944	-4.00
-5.500	459.787	-4.00	-3.50	460.167	-4.00	2140	+	0.00	8400837.936	298582.391	457.467	460.307	2.84	3.500	460.167	-4.00	5.50	459.787	-4.00
-5.500	459.643	-4.00	-3.50	460.023	-4.00	2141	+	0.00	8400845.960	298564.071	457.250	460.163	2.91	3.500	460.023	-4.00	5.50	459.643	-4.00
-5.500	459.602	-4.00	-3.50	459.982	-4.00	2142	+	0.00	8400853.984	298545.751	457.444	460.122	2.68	3.500	459.982	-4.00	5.50	459.602	-4.00
-5.500	459.677	-4.00	-3.50	460.057	-4.00	2143	+	0.00	8400862.008	298527.431	458.158	460.197	2.04	3.500	460.057	-4.00	5.50	459.677	-4.00
-5.500	459.869	-4.00	-3.50	460.249	-4.00	2144	+	0.00	8400870.032	298509.111	458.152	460.389	2.24	3.500	460.249	-4.00	5.50	459.869	-4.00
-5.500	460.178	-4.00	-3.50	460.558	-4.00	2145	+	0.00	8400878.056	298490.792	457.935	460.698	2.76	3.500	460.558	-4.00	5.50	460.178	-4.00
-5.500	460.604	-4.00	-3.50	460.984	-4.00	2146	+	0.00	8400886.080	298472.472	458.218	461.124	2.91	3.500	460.984	-4.00	5.50	460.604	-4.00
-5.500	461.146	-4.00	-3.50	461.526	-4.00	2147	+	0.00	8400894.105	298454.152	459.108	461.666	2.56	3.500	461.526	-4.00	5.50	461.146	-4.00
-5.500	461.790	-4.00	-3.50	462.170	-4.00	2148	+	0.00	8400902.129	298435.832	460.819	462.310	1.49	3.500	462.170	-4.00	5.50	461.790	-4.00
-5.500	462.448	-4.00	-3.50	462.828	-4.00	2149	+	0.00	8400910.153	298417.513	462.280	462.968	0.69	3.500	462.828	-4.00	5.50	462.448	-4.00
-5.500	463.107	-4.00	-3.50	463.487	-4.00	2150	+	0.00	8400918.177	298399.193	463.390	463.627	0.24	3.500	463.487	-4.00	5.50	463.107	-4.00
-5.500	463.766	-4.00	-3.50	464.146	-4.00	2151	+	0.00	8400926.201	298380.873	464.397	464.286	-0.11	3.500	464.146	-4.00	5.50	463.766	-4.00
-5.500	464.424	-4.00	-3.50	464.804	-4.00	2152	+	0.00	8400934.225	298362.553	465.008	464.944	-0.06	3.500	464.804	-4.00	5.50	464.424	-4.00
-5.500	465.083	-4.00	-3.50	465.463	-4.00	2153	+	0.00	8400942.249	298344.233	465.621	465.603	-0.02	3.500	465.463	-4.00	5.50	465.083	-4.00
-5.500	465.742	-4.00	-3.50	466.122	-4.00	2154	+	0.00	8400950.273	298325.914	466.195	466.262	0.07	3.500	466.122	-4.00	5.50	465.742	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	466.400	-4.00	-3.50	466.780	-4.00	2155	+	0.00	8400958.297	298307.594	466.730	466.920	0.19	3.500	466.780	-4.00	5.50	466.400	-4.00
-5.500	467.059	-4.00	-3.50	467.439	-4.00	2156	+	0.00	8400966.321	298289.274	467.251	467.579	0.33	3.500	467.439	-4.00	5.50	467.059	-4.00
-5.500	467.718	-4.00	-3.50	468.098	-4.00	2157	+	0.00	8400974.345	298270.954	467.801	468.238	0.44	3.500	468.098	-4.00	5.50	467.718	-4.00
-5.500	468.376	-4.00	-3.50	468.756	-4.00	2158	+	0.00	8400982.369	298252.635	468.218	468.896	0.68	3.500	468.756	-4.00	5.50	468.376	-4.00
-5.500	469.035	-4.00	-3.50	469.415	-4.00	2159	+	0.00	8400990.393	298234.315	468.672	469.555	0.88	3.500	469.415	-4.00	5.50	469.035	-4.00
-5.500	469.694	-4.00	-3.50	470.074	-4.00	2160	+	0.00	8400998.417	298215.995	469.254	470.214	0.96	3.500	470.074	-4.00	5.50	469.694	-4.00
-5.500	470.352	-4.00	-3.50	470.732	-4.00	2161	+	0.00	8401006.441	298197.675	469.777	470.872	1.10	3.500	470.732	-4.00	5.50	470.352	-4.00
-5.500	471.011	-4.00	-3.50	471.391	-4.00	2162	+	0.00	8401014.466	298179.355	470.357	471.531	1.17	3.500	471.391	-4.00	5.50	471.011	-4.00
-5.500	471.657	-4.00	-3.50	472.037	-4.00	2163	+	0.00	8401022.490	298161.036	470.963	472.177	1.21	3.500	472.037	-4.00	5.50	471.657	-4.00
-5.500	472.216	-4.00	-3.50	472.596	-4.00	2164	+	0.00	8401030.514	298142.716	471.552	472.736	1.18	3.500	472.596	-4.00	5.50	472.216	-4.00
-5.500	472.675	-4.00	-3.50	473.055	-4.00	2165	+	0.00	8401038.538	298124.396	472.272	473.195	0.92	3.500	473.055	-4.00	5.50	472.675	-4.00
-5.500	473.034	-4.00	-3.50	473.414	-4.00	2166	+	0.00	8401046.562	298106.076	472.856	473.554	0.70	3.500	473.414	-4.00	5.50	473.034	-4.00
-5.500	473.293	-4.00	-3.50	473.673	-4.00	2167	+	0.00	8401054.586	298087.757	473.111	473.813	0.70	3.500	473.673	-4.00	5.50	473.293	-4.00
-5.500	473.465	-4.00	-3.50	473.845	-4.00	2168	+	0.00	8401062.610	298069.437	473.313	473.985	0.67	3.500	473.845	-4.00	5.50	473.465	-4.00
-5.500	473.625	-4.00	-3.50	474.005	-4.00	2169	+	0.00	8401070.634	298051.117	473.622	474.145	0.52	3.500	474.005	-4.00	5.50	473.625	-4.00
-5.500	473.784	-4.00	-3.50	474.164	-4.00	2170	+	0.00	8401078.658	298032.797	473.865	474.304	0.44	3.500	474.164	-4.00	5.50	473.784	-4.00
-5.500	473.944	-4.00	-3.50	474.324	-4.00	2171	+	0.00	8401086.682	298014.477	474.079	474.464	0.38	3.500	474.324	-4.00	5.50	473.944	-4.00
-5.500	474.103	-4.00	-3.50	474.483	-4.00	2172	+	0.00	8401094.706	297996.158	474.354	474.623	0.27	3.500	474.483	-4.00	5.50	474.103	-4.00
-5.500	474.263	-4.00	-3.50	474.643	-4.00	2173	+	0.00	8401102.730	297977.838	474.527	474.783	0.26	3.500	474.643	-4.00	5.50	474.263	-4.00
-5.500	474.422	-4.00	-3.50	474.802	-4.00	2174	+	0.00	8401110.754	297959.518	474.576	474.942	0.37	3.500	474.802	-4.00	5.50	474.422	-4.00
-5.500	474.582	-4.00	-3.50	474.962	-4.00	2175	+	0.00	8401118.778	297941.198	474.768	475.102	0.33	3.500	474.962	-4.00	5.50	474.582	-4.00
-5.500	474.741	-4.00	-3.50	475.121	-4.00	2176	+	0.00	8401126.803	297922.879	474.844	475.261	0.42	3.500	475.121	-4.00	5.50	474.741	-4.00
-5.500	474.901	-4.00	-3.50	475.281	-4.00	2177	+	0.00	8401134.827	297904.559	475.084	475.421	0.34	3.500	475.281	-4.00	5.50	474.901	-4.00
-5.500	475.060	-4.00	-3.50	475.440	-4.00	2178	+	0.00	8401142.851	297886.239	475.302	475.580	0.28	3.500	475.440	-4.00	5.50	475.060	-4.00
-5.500	475.220	-4.00	-3.50	475.600	-4.00	2179	+	0.00	8401150.875	297867.919	475.525	475.740	0.22	3.500	475.600	-4.00	5.50	475.220	-4.00
-5.500	475.379	-4.00	-3.50	475.759	-4.00	2180	+	0.00	8401158.899	297849.599	475.722	475.899	0.18	3.500	475.759	-4.00	5.50	475.379	-4.00
-5.500	475.539	-4.00	-3.50	475.919	-4.00	2181	+	0.00	8401166.923	297831.280	475.849	476.059	0.21	3.500	475.919	-4.00	5.50	475.539	-4.00
-5.500	475.698	-4.00	-3.50	476.078	-4.00	2182	+	0.00	8401174.947	297812.960	476.001	476.218	0.22	3.500	476.078	-4.00	5.50	475.698	-4.00
-5.500	475.858	-4.00	-3.50	476.238	-4.00	2183	+	0.00	8401182.971	297794.640	476.075	476.378	0.30	3.500	476.238	-4.00	5.50	475.858	-4.00
-5.500	476.017	-4.00	-3.50	476.397	-4.00	2184	+	0.00	8401190.995	297776.320	476.122	476.537	0.41	3.500	476.397	-4.00	5.50	476.017	-4.00
-5.500	476.177	-4.00	-3.50	476.557	-4.00	2185	+	0.00	8401199.019	297758.001	476.056	476.697	0.64	3.500	476.557	-4.00	5.50	476.177	-4.00
-5.500	476.328	-4.00	-3.50	476.708	-4.00	2186	+	0.00	8401207.043	297739.681	476.053	476.848	0.80	3.500	476.708	-4.00	5.50	476.328	-4.00
-5.500	476.428	-4.00	-3.50	476.808	-4.00	2187	+	0.00	8401215.067	297721.361	476.021	476.948	0.93	3.500	476.808	-4.00	5.50	476.428	-4.00
-5.500	476.467	-4.00	-3.50	476.847	-4.00	2188	+	0.00	8401223.091	297703.041	475.978	476.987	1.01	3.500	476.847	-4.00	5.50	476.467	-4.00
-5.500	476.446	-4.00	-3.50	476.826	-4.00	2189	+	0.00	8401231.115	297684.721	476.011	476.966	0.95	3.500	476.826	-4.00	5.50	476.446	-4.00
-5.500	476.364	-4.00	-3.50	476.744	-4.00	2190	+	0.00	8401239.140	297666.402	475.900	476.884	0.98	3.500	476.744	-4.00	5.50	476.364	-4.00
-5.500	476.230	-4.00	-3.50	476.610	-4.00	2191	+	0.00	8401247.164	297648.082	475.663	476.750	1.09	3.500	476.610	-4.00	5.50	476.230	-4.00
-5.500	476.088	-4.00	-3.50	476.468	-4.00	2192	+	0.00	8401255.188	297629.762	475.114	476.608	1.49	3.500	476.468	-4.00	5.50	476.088	-4.00
-5.500	475.947	-4.00	-3.50	476.327	-4.00	2193	+	0.00	8401263.212	297611.442	474.505	476.467	1.96	3.500	476.327	-4.00	5.50	475.947	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	475.805	-4.00	-3.50	476.185	-4.00	2194	+	0.00	8401271.236	297593.123	473.935	476.325	2.39	3.500	476.185	-4.00	5.50	475.805	-4.00
-5.500	475.663	-4.00	-3.50	476.043	-4.00	2195	+	0.00	8401279.260	297574.803	473.520	476.183	2.66	3.500	476.043	-4.00	5.50	475.663	-4.00
-5.500	475.522	-4.00	-3.50	475.902	-4.00	2196	+	0.00	8401287.284	297556.483	473.297	476.042	2.74	3.500	475.902	-4.00	5.50	475.522	-4.00
-5.500	475.380	-4.00	-3.50	475.760	-4.00	2197	+	0.00	8401295.308	297538.163	473.182	475.900	2.72	3.500	475.760	-4.00	5.50	475.380	-4.00
-5.500	475.245	-4.00	-3.50	475.625	-4.00	2198	+	0.00	8401303.332	297519.843	473.136	475.765	2.63	3.500	475.625	-4.00	5.50	475.245	-4.00
-5.500	475.153	-4.00	-3.50	475.533	-4.00	2199	+	0.00	8401311.356	297501.524	473.187	475.673	2.49	3.500	475.533	-4.00	5.50	475.153	-4.00
-5.500	475.112	-4.00	-3.50	475.492	-4.00	2200	+	0.00	8401319.380	297483.204	473.159	475.632	2.47	3.500	475.492	-4.00	5.50	475.112	-4.00
-5.500	475.122	-4.00	-3.50	475.502	-4.00	2201	+	0.00	8401327.404	297464.884	473.138	475.642	2.50	3.500	475.502	-4.00	5.50	475.122	-4.00
-5.500	475.181	-4.00	-3.50	475.561	-4.00	2202	+	0.00	8401335.428	297446.564	473.278	475.701	2.42	3.500	475.561	-4.00	5.50	475.181	-4.00
-5.500	475.285	-4.00	-3.50	475.665	-4.00	2203	+	0.00	8401343.452	297428.245	473.391	475.805	2.41	3.500	475.665	-4.00	5.50	475.285	-4.00
-5.500	475.395	-4.00	-3.50	475.775	-4.00	2204	+	0.00	8401351.477	297409.925	473.551	475.915	2.36	3.500	475.775	-4.00	5.50	475.395	-4.00
-5.500	475.505	-4.00	-3.50	475.885	-4.00	2205	+	0.00	8401359.501	297391.605	473.896	476.025	2.13	3.500	475.885	-4.00	5.50	475.505	-4.00
-5.500	475.615	-4.00	-3.50	475.995	-4.00	2206	+	0.00	8401367.525	297373.285	474.293	476.135	1.84	3.500	475.995	-4.00	5.50	475.615	-4.00
-5.500	475.725	-4.00	-3.50	476.105	-4.00	2207	+	0.00	8401375.549	297354.965	474.492	476.245	1.75	3.500	476.105	-4.00	5.50	475.725	-4.00
-5.500	475.835	-4.00	-3.50	476.215	-4.00	2208	+	0.00	8401383.573	297336.646	474.664	476.355	1.69	3.500	476.215	-4.00	5.50	475.835	-4.00
-5.500	475.945	-4.00	-3.50	476.325	-4.00	2209	+	0.00	8401391.597	297318.326	474.796	476.465	1.67	3.500	476.325	-4.00	5.50	475.945	-4.00
-5.500	476.055	-4.00	-3.50	476.435	-4.00	2210	+	0.00	8401399.621	297300.006	474.862	476.575	1.71	3.500	476.435	-4.00	5.50	476.055	-4.00
-5.500	476.165	-4.00	-3.50	476.545	-4.00	2211	+	0.00	8401407.645	297281.686	474.940	476.685	1.75	3.500	476.545	-4.00	5.50	476.165	-4.00
-5.500	476.275	-4.00	-3.50	476.655	-4.00	2212	+	0.00	8401415.669	297263.367	474.960	476.795	1.84	3.500	476.655	-4.00	5.50	476.275	-4.00
-5.500	476.385	-4.00	-3.50	476.765	-4.00	2213	+	0.00	8401423.693	297245.047	474.929	476.905	1.98	3.500	476.765	-4.00	5.50	476.385	-4.00
-5.500	476.495	-4.00	-3.50	476.875	-4.00	2214	+	0.00	8401431.717	297226.727	474.932	477.015	2.08	3.500	476.875	-4.00	5.50	476.495	-4.00
-5.500	476.605	-4.00	-3.50	476.985	-4.00	2215	+	0.00	8401439.741	297208.407	474.982	477.125	2.14	3.500	476.985	-4.00	5.50	476.605	-4.00
-5.500	476.715	-4.00	-3.50	477.095	-4.00	2216	+	0.00	8401447.765	297190.087	474.985	477.235	2.25	3.500	477.095	-4.00	5.50	476.715	-4.00
-5.500	476.825	-4.00	-3.50	477.205	-4.00	2217	+	0.00	8401455.789	297171.768	474.905	477.345	2.44	3.500	477.205	-4.00	5.50	476.825	-4.00
-5.500	476.929	-4.00	-3.50	477.309	-4.00	2218	+	0.00	8401463.814	297153.448	474.754	477.449	2.69	3.500	477.309	-4.00	5.50	476.929	-4.00
-5.500	476.990	-4.00	-3.50	477.370	-4.00	2219	+	0.00	8401471.838	297135.128	474.765	477.510	2.75	3.500	477.370	-4.00	5.50	476.990	-4.00
-5.500	477.003	-4.00	-3.50	477.383	-4.00	2220	+	0.00	8401479.862	297116.808	474.691	477.523	2.83	3.500	477.383	-4.00	5.50	477.003	-4.00
-5.500	476.966	-4.00	-3.50	477.346	-4.00	2221	+	0.00	8401487.886	297098.489	474.642	477.486	2.84	3.500	477.346	-4.00	5.50	476.966	-4.00
-5.500	476.881	-4.00	-3.50	477.261	-4.00	2222	+	0.00	8401495.910	297080.169	474.662	477.401	2.74	3.500	477.261	-4.00	5.50	476.881	-4.00
-5.500	476.753	-4.00	-3.50	477.133	-4.00	2223	+	0.00	8401503.934	297061.849	474.619	477.273	2.65	3.500	477.133	-4.00	5.50	476.753	-4.00
-5.500	476.619	-4.00	-3.50	476.999	-4.00	2224	+	0.00	8401511.958	297043.529	474.599	477.139	2.54	3.500	476.999	-4.00	5.50	476.619	-4.00
-5.500	476.486	-4.00	-3.50	476.866	-4.00	2225	+	0.00	8401519.982	297025.209	474.517	477.006	2.49	3.500	476.866	-4.00	5.50	476.486	-4.00
-5.500	476.352	-4.00	-3.50	476.732	-4.00	2226	+	0.00	8401528.006	297006.890	474.493	476.872	2.38	3.500	476.732	-4.00	5.50	476.352	-4.00
-5.500	476.218	-4.00	-3.50	476.598	-4.00	2227	+	0.00	8401536.030	296988.570	474.418	476.738	2.32	3.500	476.598	-4.00	5.50	476.218	-4.00
-5.500	476.084	-4.00	-3.50	476.464	-4.00	2228	+	0.00	8401544.054	296970.250	474.417	476.604	2.19	3.500	476.464	-4.00	5.50	476.084	-4.00
-5.500	475.950	-4.00	-3.50	476.330	-4.00	2229	+	0.00	8401552.078	296951.930	474.393	476.470	2.08	3.500	476.330	-4.00	5.50	475.950	-4.00
-5.500	475.816	-4.00	-3.50	476.196	-4.00	2230	+	0.00	8401560.102	296933.611	474.344	476.336	1.99	3.500	476.196	-4.00	5.50	475.816	-4.00
-5.500	475.682	-4.00	-3.50	476.062	-4.00	2231	+	0.00	8401568.126	296915.291	474.291	476.202	1.91	3.500	476.062	-4.00	5.50	475.682	-4.00
-5.500	475.548	-4.00	-3.50	475.928	-4.00	2232	+	0.00	8401576.151	296896.971	474.291	476.068	1.78	3.500	475.928	-4.00	5.50	475.548	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	475.414	-4.00	-3.50	475.794	-4.00	2233	+	0.00	8401584.175	296878.651	474.200	475.934	1.73	3.500	475.794	-4.00	5.50	475.414	-4.00
-5.500	475.281	-4.00	-3.50	475.661	-4.00	2234	+	0.00	8401592.199	296860.331	473.965	475.801	1.84	3.500	475.661	-4.00	5.50	475.281	-4.00
-5.500	475.147	-4.00	-3.50	475.527	-4.00	2235	+	0.00	8401600.223	296842.012	473.686	475.667	1.98	3.500	475.527	-4.00	5.50	475.147	-4.00
-5.500	475.013	-4.00	-3.50	475.393	-4.00	2236	+	0.00	8401608.247	296823.692	473.609	475.533	1.92	3.500	475.393	-4.00	5.50	475.013	-4.00
-5.500	474.879	-4.00	-3.50	475.259	-4.00	2237	+	0.00	8401616.271	296805.372	473.404	475.399	2.00	3.500	475.259	-4.00	5.50	474.879	-4.00
-5.500	474.745	-4.00	-3.50	475.125	-4.00	2238	+	0.00	8401624.295	296787.052	472.887	475.265	2.38	3.500	475.125	-4.00	5.50	474.745	-4.00
-5.500	474.611	-4.00	-3.50	474.991	-4.00	2239	+	0.00	8401632.319	296768.733	472.658	475.131	2.47	3.500	474.991	-4.00	5.50	474.611	-4.00
-5.500	474.477	-4.00	-3.50	474.857	-4.00	2240	+	0.00	8401640.343	296750.413	472.329	474.997	2.67	3.500	474.857	-4.00	5.50	474.477	-4.00
-5.500	474.379	-3.35	-3.50	474.746	-3.35	2241	+	0.00	8401648.367	296732.093	472.016	474.863	2.85	3.500	474.723	-4.00	5.50	474.343	-4.00
-5.500	474.370	-1.07	-3.50	474.692	-1.07	2242	+	0.00	8401656.391	296713.773	471.978	474.729	2.75	3.500	474.589	-4.00	5.50	474.209	-4.00
-5.500	474.366	0.00	-3.50	474.666	0.00	2242	+	9.41	8401660.167	296705.152	472.025	474.666	2.64	3.500	474.526	-4.00	5.50	474.146	-4.00
-5.500	474.361	1.20	-3.50	474.637	1.20	2243	+	0.00	8401664.423	296695.457	472.107	474.595	2.49	3.500	474.455	-4.00	5.50	474.075	-4.00
-5.500	474.353	3.48	-3.50	474.584	3.48	2244	+	0.00	8401672.627	296677.217	472.489	474.462	1.97	3.500	474.322	-4.00	5.50	473.942	-4.00
-5.500	474.345	5.76	-3.50	474.530	5.76	2245	+	0.00	8401681.309	296659.201	472.977	474.328	1.35	3.500	474.126	-5.76	5.50	473.711	-5.76
-5.500	474.341	6.60	-3.50	474.509	6.60	2245	+	7.41	8401684.708	296652.615	473.186	474.278	1.09	3.500	474.047	-6.60	5.50	473.615	-6.60
-5.500	474.257	6.60	-3.50	474.425	6.60	2246	+	0.00	8401690.755	296641.574	473.376	474.194	0.82	3.500	473.963	-6.60	5.50	473.531	-6.60
-5.500	474.241	6.60	-3.50	474.409	6.60	2246	+	2.39	8401691.927	296639.481	473.359	474.178	0.82	3.500	473.947	-6.60	5.50	473.515	-6.60
-5.500	474.141	6.60	-3.50	474.309	6.60	2246	+	17.36	8401699.656	296626.674	473.296	474.078	0.78	3.500	473.847	-6.60	5.50	473.415	-6.60
-5.500	474.107	6.30	-3.50	474.281	6.30	2247	+	0.00	8401701.067	296624.441	473.275	474.060	0.79	3.500	473.840	-6.30	5.50	473.414	-6.30
-5.500	473.847	4.02	-3.50	474.067	4.02	2248	+	0.00	8401712.155	296607.797	473.233	473.926	0.69	3.500	473.785	-4.02	5.50	473.405	-4.02
-5.500	473.588	1.75	-3.50	473.853	1.75	2249	+	0.00	8401723.744	296591.498	473.493	473.792	0.30	3.500	473.652	-4.00	5.50	473.272	-4.00
-5.500	473.389	0.00	-3.50	473.689	0.00	2249	+	15.36	8401732.805	296579.097	473.511	473.689	0.18	3.500	473.549	-4.00	5.50	473.169	-4.00
-5.500	473.329	-0.53	-3.50	473.639	-0.53	2250	+	0.00	8401735.550	296575.353	473.657	473.658	0.00	3.500	473.518	-4.00	5.50	473.138	-4.00
-5.500	473.070	-2.80	-3.50	473.426	-2.80	2251	+	0.00	8401747.376	296559.225	473.587	473.524	-0.06	3.500	473.384	-4.00	5.50	473.004	-4.00
-5.500	472.870	-4.00	-3.50	473.250	-4.00	2252	+	0.00	8401759.203	296543.096	473.077	473.390	0.31	3.500	473.250	-4.00	5.50	472.870	-4.00
-5.500	472.725	-4.00	-3.50	473.105	-4.00	2253	+	0.00	8401771.029	296526.967	472.559	473.245	0.69	3.500	473.146	-2.84	5.50	472.789	-2.84
-5.500	472.494	-4.00	-3.50	472.874	-4.00	2254	+	0.00	8401782.855	296510.839	471.886	473.014	1.13	3.500	472.994	-0.57	5.50	472.683	-0.57
-5.500	472.422	-4.00	-3.50	472.802	-4.00	2254	+	4.99	8401785.804	296506.817	471.429	472.942	1.51	3.500	472.942	0.00	5.50	472.642	0.00
-5.500	472.167	-4.00	-3.50	472.547	-4.00	2255	+	0.00	8401794.662	296494.695	470.924	472.687	1.76	3.500	472.747	1.71	5.50	472.481	1.71
-5.500	471.744	-4.00	-3.50	472.124	-4.00	2256	+	0.00	8401806.258	296478.401	469.998	472.264	2.27	3.500	472.403	3.98	5.50	472.183	3.98
-5.500	471.100	-6.26	-3.50	471.525	-6.26	2257	+	0.00	8401817.357	296461.764	468.643	471.744	3.10	3.500	471.963	6.26	5.50	471.788	6.26
-5.500	470.995	-6.60	-3.50	471.427	-6.60	2257	+	2.99	8401818.953	296459.240	468.361	471.658	3.30	3.500	471.889	6.60	5.50	471.721	6.60
-5.500	470.476	-6.60	-3.50	470.908	-6.60	2258	+	0.00	8401827.684	296444.639	466.536	471.139	4.60	3.500	471.370	6.60	5.50	471.202	6.60
-5.500	469.860	-6.60	-3.50	470.292	-6.60	2259	+	0.00	8401837.142	296427.019	465.754	470.523	4.77	3.500	470.754	6.60	5.50	470.586	6.60
-5.500	469.243	-6.60	-3.50	469.675	-6.60	2260	+	0.00	8401845.708	296408.949	467.076	469.906	2.83	3.500	470.137	6.60	5.50	469.969	6.60
-5.500	469.111	-6.60	-3.50	469.543	-6.60	2260	+	4.28	8401847.444	296404.995	467.018	469.774	2.76	3.500	470.005	6.60	5.50	469.837	6.60
-5.500	468.626	-6.60	-3.50	469.058	-6.60	2261	+	0.00	8401853.360	296390.473	465.975	469.289	3.31	3.500	469.520	6.60	5.50	469.352	6.60
-5.500	468.010	-6.60	-3.50	468.442	-6.60	2262	+	0.00	8401860.080	296371.638	464.375	468.673	4.30	3.500	468.904	6.60	5.50	468.736	6.60
-5.500	467.393	-6.60	-3.50	467.825	-6.60	2263	+	0.00	8401865.849	296352.490	462.129	468.056	5.93	3.500	468.287	6.60	5.50	468.119	6.60

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	467.222	-6.60	-3.50	467.654	-6.60	2263	+	5.57	8401867.284	296347.111	462.177	467.885	5.71	3.500	468.116	6.60	5.50	467.948	6.60
-5.500	466.842	-5.41	-3.50	467.251	-5.41	2264	+	0.00	8401870.675	296333.083	462.623	467.440	4.82	3.500	467.629	5.41	5.50	467.438	5.41
-5.500	466.316	-3.77	-3.50	466.691	-3.77	2265	+	0.00	8401874.771	296313.508	463.447	466.823	3.38	3.500	466.955	3.77	5.50	466.730	3.77
-5.500	465.790	-2.13	-3.50	466.132	-2.13	2266	+	0.00	8401878.468	296293.852	463.547	466.207	2.66	3.500	466.282	2.13	5.50	466.024	2.13
-5.500	465.696	-1.83	-3.50	466.033	-1.83	2266	+	3.57	8401879.111	296290.344	463.603	466.097	2.49	3.500	466.161	1.83	5.50	465.898	1.83
-5.500	465.264	-0.48	-3.50	465.573	-0.48	2267	+	0.00	8401882.073	296274.180	463.280	465.590	2.31	3.500	465.607	0.48	5.50	465.316	0.48
-5.500	464.738	1.16	-3.50	465.015	1.16	2268	+	0.00	8401885.678	296254.508	463.145	464.974	1.83	3.500	464.933	-1.16	5.50	464.610	-1.16
-5.500	464.522	1.83	-3.50	464.785	1.83	2268	+	8.19	8401887.154	296246.454	463.168	464.721	1.55	3.500	464.657	-1.83	5.50	464.320	-1.83
-5.500	464.211	2.80	-3.50	464.455	2.80	2269	+	0.00	8401889.295	296234.837	463.189	464.357	1.17	3.500	464.259	-2.80	5.50	463.903	-2.80
-5.500	463.595	2.80	-3.50	463.839	2.80	2270	+	0.00	8401893.116	296215.206	464.657	463.741	-0.92	3.500	463.643	-2.80	5.50	463.287	-2.80
-5.500	463.159	6.09	-3.50	463.337	6.09	2271	+	0.00	8401897.473	296195.688	465.783	463.124	-2.66	3.500	462.911	-6.09	5.50	462.489	-6.09
-5.500	462.996	6.60	-3.50	463.164	6.60	2271	+	6.19	8401898.982	296189.687	465.919	462.933	-2.99	3.500	462.702	-6.60	5.50	462.270	-6.60
-5.500	462.570	6.60	-3.50	462.738	6.60	2272	+	0.00	8401902.679	296176.379	465.508	462.507	-3.00	3.500	462.276	-6.60	5.50	461.844	-6.60
-5.500	461.954	6.60	-3.50	462.122	6.60	2273	+	0.00	8401908.842	296157.354	460.580	461.891	1.31	3.500	461.660	-6.60	5.50	461.228	-6.60
-5.500	461.337	6.60	-3.50	461.505	6.60	2274	+	0.00	8401915.948	296138.662	458.023	461.274	3.25	3.500	461.043	-6.60	5.50	460.611	-6.60
-5.500	460.721	6.60	-3.50	460.889	6.60	2275	+	0.00	8401923.979	296120.347	456.822	460.658	3.84	3.500	460.427	-6.60	5.50	459.995	-6.60
-5.500	460.202	6.60	-3.50	460.370	6.60	2275	+	16.84	8401931.374	296105.256	455.757	460.139	4.38	3.500	459.908	-6.60	5.50	459.476	-6.60
-5.500	460.104	6.60	-3.50	460.272	6.60	2276	+	0.00	8401932.916	296102.457	455.534	460.041	4.51	3.500	459.810	-6.60	5.50	459.378	-6.60
-5.500	459.488	6.60	-3.50	459.656	6.60	2277	+	0.00	8401942.736	296085.036	454.713	459.425	4.71	3.500	459.194	-6.60	5.50	458.762	-6.60
-5.500	458.884	6.60	-3.50	459.052	6.60	2278	+	0.00	8401953.414	296068.128	454.051	458.821	4.77	3.500	458.590	-6.60	5.50	458.158	-6.60
-5.500	458.370	6.60	-3.50	458.538	6.60	2279	+	0.00	8401964.923	296051.774	453.564	458.307	4.74	3.500	458.076	-6.60	5.50	457.644	-6.60
-5.500	457.960	6.60	-3.50	458.128	6.60	2280	+	0.00	8401977.236	296036.016	453.157	457.897	4.74	3.500	457.666	-6.60	5.50	457.234	-6.60
-5.500	457.832	6.60	-3.50	458.000	6.60	2280	+	7.50	8401982.054	296030.269	453.011	457.769	4.76	3.500	457.538	-6.60	5.50	457.106	-6.60
-5.500	457.574	5.18	-3.50	457.770	5.18	2281	+	0.00	8401990.311	296020.884	452.996	457.589	4.59	3.500	457.408	-5.18	5.50	457.004	-5.18
-5.500	457.244	2.90	-3.50	457.486	2.90	2282	+	0.00	8402003.967	296006.273	453.343	457.384	4.04	3.500	457.244	-4.00	5.50	456.864	-4.00
-5.500	457.005	0.63	-3.50	457.292	0.63	2283	+	0.00	8402017.942	295991.966	453.419	457.270	3.85	3.500	457.130	-4.00	5.50	456.750	-4.00
-5.500	456.942	0.00	-3.50	457.242	0.00	2283	+	5.50	8402021.806	295988.053	453.306	457.242	3.94	3.500	457.102	-4.00	5.50	456.722	-4.00
-5.500	456.777	-1.65	-3.50	457.110	-1.65	2284	+	0.00	8402031.999	295977.740	453.216	457.168	3.95	3.500	457.028	-4.00	5.50	456.648	-4.00
-5.500	456.550	-3.93	-3.50	456.928	-3.93	2285	+	0.00	8402046.058	295963.515	453.878	457.066	3.19	3.500	456.926	-4.00	5.50	456.546	-4.00
-5.500	456.444	-4.00	-3.50	456.824	-4.00	2286	+	0.00	8402060.117	295949.290	454.586	456.964	2.38	3.500	456.824	-4.00	5.50	456.444	-4.00
-5.500	456.343	-4.00	-3.50	456.723	-4.00	2287	+	0.00	8402074.176	295935.065	454.878	456.863	1.99	3.500	456.723	-4.00	5.50	456.343	-4.00
-5.500	456.241	-4.00	-3.50	456.621	-4.00	2288	+	0.00	8402088.235	295920.840	454.753	456.761	2.01	3.500	456.621	-4.00	5.50	456.241	-4.00
-5.500	456.139	-4.00	-3.50	456.519	-4.00	2289	+	0.00	8402102.294	295906.615	455.012	456.659	1.65	3.500	456.519	-4.00	5.50	456.139	-4.00
-5.500	456.037	-4.00	-3.50	456.417	-4.00	2290	+	0.00	8402116.352	295892.390	455.736	456.557	0.82	3.500	456.417	-4.00	5.50	456.037	-4.00
-5.500	455.936	-4.00	-3.50	456.316	-4.00	2291	+	0.00	8402130.411	295878.165	456.179	456.456	0.28	3.500	456.316	-4.00	5.50	455.936	-4.00
-5.500	455.834	-4.00	-3.50	456.214	-4.00	2292	+	0.00	8402144.470	295863.940	456.904	456.354	-0.55	3.500	456.214	-4.00	5.50	455.834	-4.00
-5.500	455.732	-4.00	-3.50	456.112	-4.00	2293	+	0.00	8402158.529	295849.715	457.403	456.252	-1.15	3.500	456.112	-4.00	5.50	455.732	-4.00
-5.500	455.630	-4.00	-3.50	456.010	-4.00	2294	+	0.00	8402172.588	295835.490	458.012	456.150	-1.86	3.500	456.010	-4.00	5.50	455.630	-4.00
-5.500	455.529	-4.00	-3.50	455.909	-4.00	2295	+	0.00	8402186.646	295821.265	458.306	456.049	-2.26	3.500	455.909	-4.00	5.50	455.529	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	455.427	-4.00	-3.50	455.807	-4.00	2296	+	0.00	8402200.705	295807.040	458.399	455.947	-2.45	3.500	455.807	-4.00	5.50	455.427	-4.00
-5.500	455.325	-4.00	-3.50	455.705	-4.00	2297	+	0.00	8402214.764	295792.815	458.234	455.845	-2.39	3.500	455.705	-4.00	5.50	455.325	-4.00
-5.500	455.223	-4.00	-3.50	455.603	-4.00	2298	+	0.00	8402228.823	295778.590	458.059	455.743	-2.32	3.500	455.603	-4.00	5.50	455.223	-4.00
-5.500	455.122	-4.00	-3.50	455.502	-4.00	2299	+	0.00	8402242.882	295764.365	457.701	455.642	-2.06	3.500	455.502	-4.00	5.50	455.122	-4.00
-5.500	455.020	-4.00	-3.50	455.400	-4.00	2300	+	0.00	8402256.940	295750.140	457.128	455.540	-1.59	3.500	455.400	-4.00	5.50	455.020	-4.00
-5.500	454.918	-4.00	-3.50	455.298	-4.00	2301	+	0.00	8402270.999	295735.915	456.481	455.438	-1.04	3.500	455.298	-4.00	5.50	454.918	-4.00
-5.500	454.816	-4.00	-3.50	455.196	-4.00	2302	+	0.00	8402285.058	295721.690	455.735	455.336	-0.40	3.500	455.196	-4.00	5.50	454.816	-4.00
-5.500	454.793	-4.00	-3.50	455.173	-4.00	2302	+	4.68	8402288.345	295718.365	455.531	455.313	-0.22	3.500	455.173	-4.00	5.50	454.793	-4.00
-5.500	454.715	-4.00	-3.50	455.095	-4.00	2303	+	0.00	8402299.142	295707.491	454.831	455.235	0.40	3.500	455.095	-4.00	5.50	454.715	-4.00
-5.500	454.613	-4.00	-3.50	454.993	-4.00	2304	+	0.00	8402313.312	295693.376	453.934	455.133	1.20	3.500	454.993	-4.00	5.50	454.613	-4.00
-5.500	454.511	-4.00	-3.50	454.891	-4.00	2305	+	0.00	8402327.567	295679.348	453.187	455.031	1.84	3.500	454.891	-4.00	5.50	454.511	-4.00
-5.500	454.469	-4.00	-3.50	454.849	-4.00	2306	+	0.00	8402341.909	295665.409	452.702	454.989	2.29	3.500	454.849	-4.00	5.50	454.469	-4.00
-5.500	454.548	-4.00	-3.50	454.928	-4.00	2307	+	0.00	8402356.337	295651.558	452.535	455.068	2.53	3.500	454.928	-4.00	5.50	454.548	-4.00
-5.500	454.745	-4.00	-3.50	455.125	-4.00	2307	+	19.90	8402370.780	295637.866	452.758	455.265	2.51	3.500	455.125	-4.00	5.50	454.745	-4.00
-5.500	454.746	-4.00	-3.50	455.126	-4.00	2308	+	0.00	8402370.849	295637.796	452.760	455.266	2.51	3.500	455.126	-4.00	5.50	454.746	-4.00
-5.500	455.065	-4.00	-3.50	455.445	-4.00	2309	+	0.00	8402385.446	295624.123	453.272	455.585	2.31	3.500	455.445	-4.00	5.50	455.065	-4.00
-5.500	455.504	-4.00	-3.50	455.884	-4.00	2310	+	0.00	8402400.126	295610.541	454.354	456.024	1.67	3.500	455.884	-4.00	5.50	455.504	-4.00
-5.500	456.063	-4.00	-3.50	456.443	-4.00	2311	+	0.00	8402414.890	295597.049	456.223	456.583	0.36	3.500	456.443	-4.00	5.50	456.063	-4.00
-5.500	456.742	-4.00	-3.50	457.122	-4.00	2312	+	0.00	8402429.737	295583.649	457.711	457.262	-0.45	3.500	457.122	-4.00	5.50	456.742	-4.00
-5.500	457.481	-4.00	-3.50	457.861	-4.00	2313	+	0.00	8402444.666	295570.340	458.822	458.001	-0.82	3.500	457.861	-4.00	5.50	457.481	-4.00
-5.500	458.040	-4.00	-3.50	458.420	-4.00	2313	+	15.12	8402456.009	295560.337	459.543	458.560	-0.98	3.500	458.420	-4.00	5.50	458.040	-4.00
-5.500	458.220	-4.00	-3.50	458.600	-4.00	2314	+	0.00	8402459.674	295557.120	459.795	458.740	-1.06	3.500	458.600	-4.00	5.50	458.220	-4.00
-5.500	458.959	-4.00	-3.50	459.339	-4.00	2315	+	0.00	8402474.705	295543.927	460.885	459.479	-1.41	3.500	459.339	-4.00	5.50	458.959	-4.00
-5.500	459.698	-4.00	-3.50	460.078	-4.00	2316	+	0.00	8402489.736	295530.734	461.549	460.218	-1.33	3.500	460.078	-4.00	5.50	459.698	-4.00
-5.500	460.438	-4.00	-3.50	460.818	-4.00	2317	+	0.00	8402504.767	295517.541	462.254	460.958	-1.30	3.500	460.818	-4.00	5.50	460.438	-4.00
-5.500	461.161	-4.00	-3.50	461.541	-4.00	2318	+	0.00	8402519.799	295504.347	462.797	461.681	-1.12	3.500	461.541	-4.00	5.50	461.161	-4.00
-5.500	461.773	-4.00	-3.50	462.153	-4.00	2319	+	0.00	8402534.830	295491.154	463.241	462.293	-0.95	3.500	462.153	-4.00	5.50	461.773	-4.00
-5.500	462.257	-4.00	-3.50	462.637	-4.00	2320	+	0.00	8402549.861	295477.961	463.544	462.777	-0.77	3.500	462.637	-4.00	5.50	462.257	-4.00
-5.500	462.614	-4.00	-3.50	462.994	-4.00	2321	+	0.00	8402564.893	295464.768	463.716	463.134	-0.58	3.500	462.994	-4.00	5.50	462.614	-4.00
-5.500	462.844	-4.00	-3.50	463.224	-4.00	2322	+	0.00	8402579.924	295451.575	463.621	463.364	-0.26	3.500	463.224	-4.00	5.50	462.844	-4.00
-5.500	462.963	-4.00	-3.50	463.343	-4.00	2323	+	0.00	8402594.955	295438.381	463.574	463.483	-0.09	3.500	463.343	-4.00	5.50	462.963	-4.00
-5.500	463.065	-4.00	-3.50	463.445	-4.00	2324	+	0.00	8402609.986	295425.188	463.583	463.585	0.00	3.500	463.445	-4.00	5.50	463.065	-4.00
-5.500	463.168	-4.00	-3.50	463.548	-4.00	2325	+	0.00	8402625.018	295411.995	463.590	463.688	0.10	3.500	463.548	-4.00	5.50	463.168	-4.00
-5.500	463.270	-4.00	-3.50	463.650	-4.00	2326	+	0.00	8402640.049	295398.802	463.544	463.790	0.25	3.500	463.650	-4.00	5.50	463.270	-4.00
-5.500	463.373	-4.00	-3.50	463.753	-4.00	2327	+	0.00	8402655.080	295385.609	463.581	463.893	0.31	3.500	463.753	-4.00	5.50	463.373	-4.00
-5.500	463.475	-4.00	-3.50	463.855	-4.00	2328	+	0.00	8402670.112	295372.415	463.595	463.995	0.40	3.500	463.855	-4.00	5.50	463.475	-4.00
-5.500	463.578	-4.00	-3.50	463.958	-4.00	2329	+	0.00	8402685.143	295359.222	463.584	464.098	0.51	3.500	463.958	-4.00	5.50	463.578	-4.00
-5.500	463.680	-4.00	-3.50	464.060	-4.00	2330	+	0.00	8402700.174	295346.029	463.531	464.200	0.67	3.500	464.060	-4.00	5.50	463.680	-4.00
-5.500	463.783	-4.00	-3.50	464.163	-4.00	2331	+	0.00	8402715.205	295332.836	463.580	464.303	0.72	3.500	464.163	-4.00	5.50	463.783	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	463.885	-4.00	-3.50	464.265	-4.00	2332	+	0.00	8402730.237	295319.643	463.654	464.405	0.75	3.500	464.265	-4.00	5.50	463.885	-4.00
-5.500	463.988	-4.00	-3.50	464.368	-4.00	2333	+	0.00	8402745.268	295306.449	463.750	464.508	0.76	3.500	464.368	-4.00	5.50	463.988	-4.00
-5.500	464.090	-4.00	-3.50	464.470	-4.00	2334	+	0.00	8402760.299	295293.256	463.913	464.610	0.70	3.500	464.470	-4.00	5.50	464.090	-4.00
-5.500	464.193	-4.00	-3.50	464.573	-4.00	2335	+	0.00	8402775.331	295280.063	464.063	464.713	0.65	3.500	464.573	-4.00	5.50	464.193	-4.00
-5.500	464.295	-4.00	-3.50	464.675	-4.00	2336	+	0.00	8402790.362	295266.870	464.223	464.815	0.59	3.500	464.675	-4.00	5.50	464.295	-4.00
-5.500	464.398	-4.00	-3.50	464.778	-4.00	2337	+	0.00	8402805.393	295253.677	464.359	464.918	0.56	3.500	464.778	-4.00	5.50	464.398	-4.00
-5.500	464.500	-4.00	-3.50	464.880	-4.00	2338	+	0.00	8402820.424	295240.483	464.530	465.020	0.49	3.500	464.880	-4.00	5.50	464.500	-4.00
-5.500	464.603	-4.00	-3.50	464.983	-4.00	2339	+	0.00	8402835.456	295227.290	464.720	465.123	0.40	3.500	464.983	-4.00	5.50	464.603	-4.00
-5.500	464.705	-4.00	-3.50	465.085	-4.00	2340	+	0.00	8402850.487	295214.097	464.889	465.225	0.34	3.500	465.085	-4.00	5.50	464.705	-4.00
-5.500	464.808	-4.00	-3.50	465.188	-4.00	2341	+	0.00	8402865.518	295200.904	465.004	465.328	0.32	3.500	465.188	-4.00	5.50	464.808	-4.00
-5.500	464.910	-4.00	-3.50	465.290	-4.00	2342	+	0.00	8402880.550	295187.711	465.129	465.430	0.30	3.500	465.290	-4.00	5.50	464.910	-4.00
-5.500	465.013	-4.00	-3.50	465.393	-4.00	2343	+	0.00	8402895.581	295174.517	465.156	465.533	0.38	3.500	465.393	-4.00	5.50	465.013	-4.00
-5.500	465.115	-4.00	-3.50	465.495	-4.00	2344	+	0.00	8402910.612	295161.324	465.137	465.635	0.50	3.500	465.495	-4.00	5.50	465.115	-4.00
-5.500	465.218	-4.00	-3.50	465.598	-4.00	2345	+	0.00	8402925.643	295148.131	465.208	465.738	0.53	3.500	465.598	-4.00	5.50	465.218	-4.00
-5.500	465.320	-4.00	-3.50	465.700	-4.00	2346	+	0.00	8402940.675	295134.938	465.284	465.840	0.56	3.500	465.700	-4.00	5.50	465.320	-4.00
-5.500	465.423	-4.00	-3.50	465.803	-4.00	2347	+	0.00	8402955.706	295121.745	465.358	465.943	0.58	3.500	465.803	-4.00	5.50	465.423	-4.00
-5.500	465.525	-4.00	-3.50	465.905	-4.00	2348	+	0.00	8402970.737	295108.551	465.377	466.045	0.67	3.500	465.905	-4.00	5.50	465.525	-4.00
-5.500	465.628	-4.00	-3.50	466.008	-4.00	2349	+	0.00	8402985.769	295095.358	465.429	466.148	0.72	3.500	466.008	-4.00	5.50	465.628	-4.00
-5.500	465.730	-4.00	-3.50	466.110	-4.00	2350	+	0.00	8403000.80	295082.165	465.523	466.250	0.73	3.500	466.110	-4.00	5.50	465.730	-4.00
-5.500	465.833	-4.00	-3.50	466.213	-4.00	2351	+	0.00	8403015.831	295068.972	465.592	466.353	0.76	3.500	466.213	-4.00	5.50	465.833	-4.00
-5.500	465.935	-4.00	-3.50	466.315	-4.00	2352	+	0.00	8403030.862	295055.779	465.648	466.455	0.81	3.500	466.315	-4.00	5.50	465.935	-4.00
-5.500	466.038	-4.00	-3.50	466.418	-4.00	2353	+	0.00	8403045.894	295042.585	465.774	466.558	0.78	3.500	466.418	-4.00	5.50	466.038	-4.00
-5.500	466.140	-4.00	-3.50	466.520	-4.00	2354	+	0.00	8403060.925	295029.392	465.786	466.660	0.87	3.500	466.520	-4.00	5.50	466.140	-4.00
-5.500	466.243	-4.00	-3.50	466.623	-4.00	2355	+	0.00	8403075.956	295016.199	465.846	466.763	0.92	3.500	466.623	-4.00	5.50	466.243	-4.00
-5.500	466.345	-4.00	-3.50	466.725	-4.00	2356	+	0.00	8403090.987	295003.006	465.882	466.865	0.98	3.500	466.725	-4.00	5.50	466.345	-4.00
-5.500	466.448	-4.00	-3.50	466.828	-4.00	2357	+	0.00	8403106.019	294989.813	465.907	466.968	1.06	3.500	466.828	-4.00	5.50	466.448	-4.00
-5.500	466.542	-4.00	-3.50	466.922	-4.00	2358	+	0.00	8403121.050	294976.619	465.942	467.062	1.12	3.500	466.922	-4.00	5.50	466.542	-4.00
-5.500	466.582	-4.00	-3.50	466.962	-4.00	2359	+	0.00	8403136.081	294963.426	466.002	467.102	1.10	3.500	466.962	-4.00	5.50	466.582	-4.00
-5.500	466.559	-4.00	-3.50	466.939	-4.00	2360	+	0.00	8403151.113	294950.233	466.092	467.079	0.99	3.500	466.939	-4.00	5.50	466.559	-4.00
-5.500	466.473	-4.00	-3.50	466.853	-4.00	2361	+	0.00	8403166.144	294937.040	466.075	466.993	0.92	3.500	466.853	-4.00	5.50	466.473	-4.00
-5.500	466.324	-4.00	-3.50	466.704	-4.00	2362	+	0.00	8403181.175	294923.847	466.107	466.844	0.74	3.500	466.704	-4.00	5.50	466.324	-4.00
-5.500	466.120	-4.00	-3.50	466.500	-4.00	2363	+	0.00	8403196.206	294910.653	466.026	466.640	0.61	3.500	466.500	-4.00	5.50	466.120	-4.00
-5.500	465.908	-4.00	-3.50	466.288	-4.00	2364	+	0.00	8403211.238	294897.460	465.853	466.428	0.57	3.500	466.288	-4.00	5.50	465.908	-4.00
-5.500	465.696	-4.00	-3.50	466.076	-4.00	2365	+	0.00	8403226.269	294884.267	465.785	466.216	0.43	3.500	466.076	-4.00	5.50	465.696	-4.00
-5.500	465.484	-4.00	-3.50	465.864	-4.00	2366	+	0.00	8403241.30	294871.074	465.643	466.004	0.36	3.500	465.864	-4.00	5.50	465.484	-4.00
-5.500	465.273	-4.00	-3.50	465.653	-4.00	2367	+	0.00	8403256.332	294857.881	465.493	465.793	0.30	3.500	465.653	-4.00	5.50	465.273	-4.00
-5.500	465.061	-4.00	-3.50	465.441	-4.00	2368	+	0.00	8403271.363	294844.687	465.242	465.581	0.34	3.500	465.441	-4.00	5.50	465.061	-4.00
-5.500	464.849	-4.00	-3.50	465.229	-4.00	2369	+	0.00	8403286.394	294831.494	465.039	465.369	0.33	3.500	465.229	-4.00	5.50	464.849	-4.00
-5.500	464.637	-4.00	-3.50	465.017	-4.00	2370	+	0.00	8403301.425	294818.301	464.724	465.157	0.43	3.500	465.017	-4.00	5.50	464.637	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	464.426	-4.00	-3.50	464.806	-4.00	2371	+	0.00	8403316.457	294805.108	464.274	464.946	0.67	3.500	464.806	-4.00	5.50	464.426	-4.00
-5.500	464.214	-4.00	-3.50	464.594	-4.00	2372	+	0.00	8403331.488	294791.915	463.690	464.734	1.04	3.500	464.594	-4.00	5.50	464.214	-4.00
-5.500	464.002	-4.00	-3.50	464.382	-4.00	2373	+	0.00	8403346.519	294778.721	462.755	464.522	1.77	3.500	464.429	-2.66	5.50	464.076	-2.66
-5.500	463.798	-4.00	-3.50	464.178	-4.00	2373	+	19.27	8403361.001	294766.011	462.032	464.318	2.29	3.500	464.318	0.00	5.50	464.018	0.00
-5.500	463.790	-4.00	-3.50	464.170	-4.00	2374	+	0.00	8403361.551	294765.528	462.005	464.310	2.31	3.500	464.314	0.10	5.50	464.016	0.10
-5.500	463.591	-4.00	-3.50	463.971	-4.00	2375	+	0.00	8403376.508	294752.252	461.345	464.111	2.77	3.500	464.211	2.86	5.50	463.968	2.86
-5.500	463.390	-5.62	-3.50	463.802	-5.62	2376	+	0.00	8403391.045	294738.518	461.505	463.999	2.49	3.500	464.196	5.62	5.50	464.008	5.62
-5.500	463.242	-8.00	-3.50	463.702	-8.00	2376	+	17.27	8403402.916	294725.981	461.761	463.982	2.22	3.500	464.262	8.00	5.50	464.122	8.00
-5.500	463.246	-8.00	-3.50	463.706	-8.00	2377	+	0.00	8403404.714	294723.925	461.681	463.986	2.31	3.500	464.266	8.00	5.50	464.126	8.00
-5.500	463.333	-8.00	-3.50	463.793	-8.00	2378	+	0.00	8403417.114	294708.241	461.655	464.073	2.42	3.500	464.353	8.00	5.50	464.213	8.00
-5.500	463.519	-8.00	-3.50	463.979	-8.00	2379	+	0.00	8403428.105	294691.539	462.157	464.259	2.10	3.500	464.539	8.00	5.50	464.399	8.00
-5.500	463.792	-8.00	-3.50	464.252	-8.00	2380	+	0.00	8403437.604	294673.946	463.009	464.532	1.52	3.500	464.812	8.00	5.50	464.672	8.00
-5.500	463.989	-8.00	-3.50	464.449	-8.00	2380	+	13.80	8403443.225	294661.381	463.610	464.729	1.12	3.500	465.009	8.00	5.50	464.869	8.00
-5.500	464.078	-8.00	-3.50	464.538	-8.00	2381	+	0.00	8403445.539	294655.594	464.002	464.818	0.82	3.500	465.098	8.00	5.50	464.958	8.00
-5.500	464.364	-8.00	-3.50	464.824	-8.00	2382	+	0.00	8403451.850	294636.623	464.897	465.104	0.21	3.500	465.384	8.00	5.50	465.244	8.00
-5.500	464.649	-8.00	-3.50	465.109	-8.00	2383	+	0.00	8403456.490	294617.175	465.585	465.389	-0.20	3.500	465.669	8.00	5.50	465.529	8.00
-5.500	464.935	-8.00	-3.50	465.395	-8.00	2384	+	0.00	8403459.424	294597.398	465.864	465.675	-0.19	3.500	465.955	8.00	5.50	465.815	8.00
-5.500	465.083	-8.00	-3.50	465.543	-8.00	2384	+	10.34	8403460.263	294587.097	466.029	465.823	-0.21	3.500	466.103	8.00	5.50	465.963	8.00
-5.500	465.294	-6.67	-3.50	465.728	-6.67	2385	+	0.00	8403460.640	294577.441	466.102	465.961	-0.14	3.500	466.194	6.67	5.50	466.028	6.67
-5.500	465.579	-6.67	-3.50	466.013	-6.67	2386	+	0.00	8403460.421	294557.445	466.249	466.246	0.00	3.500	466.479	6.67	5.50	466.313	6.67
-5.500	466.012	-4.00	-3.50	466.392	-4.00	2387	+	0.00	8403459.354	294537.474	466.428	466.532	0.10	3.500	466.572	1.15	5.50	466.295	1.15
-5.500	466.131	-4.00	-3.50	466.511	-4.00	2387	+	8.34	8403458.801	294529.157	466.522	466.651	0.13	3.500	466.651	0.00	5.50	466.351	0.00
-5.500	466.298	-4.00	-3.50	466.678	-4.00	2388	+	0.00	8403458.017	294517.519	466.560	466.818	0.26	3.500	466.762	-1.61	5.50	466.429	-1.61
-5.500	466.584	-4.00	-3.50	466.964	-4.00	2389	+	0.00	8403456.673	294497.564	466.674	467.104	0.43	3.500	466.964	-4.00	5.50	466.584	-4.00
-5.500	466.869	-4.00	-3.50	467.249	-4.00	2390	+	0.00	8403455.329	294477.609	466.869	467.389	0.52	3.500	467.249	-4.00	5.50	466.869	-4.00
-5.500	467.155	-4.00	-3.50	467.535	-4.00	2391	+	0.00	8403453.985	294457.654	467.037	467.675	0.64	3.500	467.535	-4.00	5.50	467.155	-4.00
-5.500	467.441	-4.00	-3.50	467.821	-4.00	2392	+	0.00	8403452.641	294437.699	467.263	467.961	0.70	3.500	467.821	-4.00	5.50	467.441	-4.00
-5.500	467.726	-4.00	-3.50	468.106	-4.00	2393	+	0.00	8403451.297	294417.745	467.430	468.246	0.82	3.500	468.106	-4.00	5.50	467.726	-4.00
-5.500	468.012	-4.00	-3.50	468.392	-4.00	2394	+	0.00	8403449.953	294397.790	467.578	468.532	0.95	3.500	468.392	-4.00	5.50	468.012	-4.00
-5.500	468.298	-4.00	-3.50	468.678	-4.00	2395	+	0.00	8403448.609	294377.835	467.695	468.818	1.12	3.500	468.678	-4.00	5.50	468.298	-4.00
-5.500	468.574	-4.00	-3.50	468.954	-4.00	2396	+	0.00	8403447.265	294357.880	467.795	469.094	1.30	3.500	468.954	-4.00	5.50	468.574	-4.00
-5.500	468.783	-4.00	-3.50	469.163	-4.00	2397	+	0.00	8403445.921	294337.925	467.869	469.303	1.43	3.500	469.163	-4.00	5.50	468.783	-4.00
-5.500	468.914	-4.00	-3.50	469.294	-4.00	2398	+	0.00	8403444.577	294317.971	467.918	469.434	1.52	3.500	469.294	-4.00	5.50	468.914	-4.00
-5.500	468.968	-4.00	-3.50	469.348	-4.00	2399	+	0.00	8403443.233	294298.016	468.006	469.488	1.48	3.500	469.348	-4.00	5.50	468.968	-4.00
-5.500	468.945	-4.00	-3.50	469.325	-4.00	2400	+	0.00	8403441.889	294278.061	468.067	469.465	1.40	3.500	469.325	-4.00	5.50	468.945	-4.00
-5.500	468.855	-4.00	-3.50	469.235	-4.00	2401	+	0.00	8403440.545	294258.106	468.198	469.375	1.18	3.500	469.235	-4.00	5.50	468.855	-4.00
-5.500	468.755	-4.00	-3.50	469.135	-4.00	2402	+	0.00	8403439.201	294238.152	468.137	469.275	1.14	3.500	469.135	-4.00	5.50	468.755	-4.00
-5.500	468.655	-4.00	-3.50	469.035	-4.00	2403	+	0.00	8403437.857	294218.197	468.180	469.175	1.00	3.500	469.035	-4.00	5.50	468.655	-4.00
-5.500	468.555	-4.00	-3.50	468.935	-4.00	2404	+	0.00	8403436.513	294198.242	468.071	469.075	1.00	3.500	468.935	-4.00	5.50	468.555	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	468.455	-4.00	-3.50	468.835	-4.00	2405	+	0.00	8403435.169	294178.287	467.961	468.975	1.01	3.500	468.835	-4.00	5.50	468.455	-4.00
-5.500	468.355	-4.00	-3.50	468.735	-4.00	2406	+	0.00	8403433.825	294158.332	467.868	468.875	1.01	3.500	468.735	-4.00	5.50	468.355	-4.00
-5.500	468.255	-4.00	-3.50	468.635	-4.00	2407	+	0.00	8403432.480	294138.378	467.882	468.775	0.89	3.500	468.635	-4.00	5.50	468.255	-4.00
-5.500	468.245	-2.37	-3.50	468.592	-2.37	2408	+	0.00	8403431.136	294118.423	467.862	468.675	0.81	3.500	468.535	-4.00	5.50	468.155	-4.00
-5.500	468.266	-0.17	-3.50	468.569	-0.17	2409	+	0.00	8403429.792	294098.468	467.847	468.575	0.73	3.500	468.435	-4.00	5.50	468.055	-4.00
-5.500	468.267	0.00	-3.50	468.567	0.00	2409	+	1.52	8403429.690	294096.949	467.844	468.567	0.72	3.500	468.427	-4.00	5.50	468.047	-4.00
-5.500	468.287	2.03	-3.50	468.546	2.03	2410	+	0.00	8403428.492	294078.510	467.775	468.475	0.70	3.500	468.335	-4.00	5.50	467.955	-4.00
-5.500	468.308	4.23	-3.50	468.523	4.23	2411	+	0.00	8403427.499	294058.536	467.650	468.375	0.73	3.500	468.227	-4.23	5.50	467.842	-4.23
-5.500	468.329	6.43	-3.50	468.500	6.43	2412	+	0.00	8403427.147	294038.540	467.426	468.275	0.85	3.500	468.050	-6.43	5.50	467.621	-6.43
-5.500	468.330	6.60	-3.50	468.498	6.60	2412	+	1.52	8403427.156	294037.017	467.442	468.267	0.82	3.500	468.036	-6.60	5.50	467.604	-6.60
-5.500	468.249	6.60	-3.50	468.417	6.60	2412	+	17.85	8403427.929	294020.819	467.369	468.186	0.82	3.500	467.955	-6.60	5.50	467.523	-6.60
-5.500	468.238	6.60	-3.50	468.406	6.60	2413	+	0.00	8403427.726	294018.550	467.354	468.175	0.82	3.500	467.944	-6.60	5.50	467.512	-6.60
-5.500	468.167	6.60	-3.50	468.335	6.60	2413	+	14.18	8403428.741	294004.412	467.152	468.104	0.95	3.500	467.873	-6.60	5.50	467.441	-6.60
-5.500	468.103	5.96	-3.50	468.284	5.96	2414	+	0.00	8403429.302	293998.615	467.044	468.075	1.03	3.500	467.866	-5.96	5.50	467.447	-5.96
-5.500	467.882	3.76	-3.50	468.107	3.76	2415	+	0.00	8403431.756	293978.767	466.823	467.975	1.15	3.500	467.835	-4.00	5.50	467.455	-4.00
-5.500	467.661	1.56	-3.50	467.930	1.56	2416	+	0.00	8403434.774	293958.996	466.408	467.875	1.47	3.500	467.735	-4.00	5.50	467.355	-4.00
-5.500	467.504	0.00	-3.50	467.804	0.00	2416	+	14.18	8403437.075	293945.009	466.034	467.804	1.77	3.500	467.664	-4.00	5.50	467.284	-4.00
-5.500	467.440	-0.64	-3.50	467.753	-0.64	2417	+	0.00	8403438.028	293939.263	465.878	467.775	1.90	3.500	467.635	-4.00	5.50	467.255	-4.00
-5.500	467.227	-2.84	-3.50	467.584	-2.84	2418	+	0.00	8403441.301	293919.532	465.379	467.683	2.30	3.500	467.543	-4.00	5.50	467.163	-4.00
-5.500	467.130	-4.00	-3.50	467.510	-4.00	2419	+	0.00	8403444.573	293899.802	465.293	467.650	2.36	3.500	467.510	-4.00	5.50	467.130	-4.00
-5.500	467.164	-4.00	-3.50	467.544	-4.00	2420	+	0.00	8403447.846	293880.072	465.684	467.684	2.00	3.500	467.544	-4.00	5.50	467.164	-4.00
-5.500	467.265	-4.00	-3.50	467.645	-4.00	2421	+	0.00	8403451.119	293860.341	465.322	467.785	2.46	3.500	467.645	-4.00	5.50	467.265	-4.00
-5.500	467.432	-4.00	-3.50	467.812	-4.00	2422	+	0.00	8403454.392	293840.611	464.727	467.952	3.23	3.500	467.812	-4.00	5.50	467.432	-4.00
-5.500	467.658	-4.00	-3.50	468.038	-4.00	2423	+	0.00	8403457.665	293820.880	464.770	468.178	3.41	3.500	468.038	-4.00	5.50	467.658	-4.00
-5.500	467.892	-4.00	-3.50	468.272	-4.00	2424	+	0.00	8403460.937	293801.150	465.212	468.412	3.20	3.500	468.310	-2.91	5.50	467.952	-2.91
-5.500	468.126	-4.00	-3.50	468.506	-4.00	2425	+	0.00	8403464.210	293781.420	465.816	468.646	2.83	3.500	468.624	-0.64	5.50	468.311	-0.64
-5.500	468.192	-4.00	-3.50	468.572	-4.00	2425	+	5.60	8403465.127	293775.894	465.936	468.712	2.78	3.500	468.712	0.00	5.50	468.412	0.00
-5.500	468.361	-4.00	-3.50	468.741	-4.00	2426	+	0.00	8403467.462	293761.686	466.198	468.881	2.68	3.500	468.938	1.64	5.50	468.671	1.64
-5.500	468.595	-4.00	-3.50	468.975	-4.00	2427	+	0.00	8403470.467	293741.913	466.562	469.115	2.55	3.500	469.252	3.91	5.50	469.030	3.91
-5.500	468.709	-6.19	-3.50	469.132	-6.19	2428	+	0.00	8403472.884	293722.061	466.991	469.349	2.36	3.500	469.566	6.19	5.50	469.389	6.19
-5.500	468.728	-6.60	-3.50	469.160	-6.60	2428	+	3.60	8403473.231	293718.477	467.047	469.391	2.34	3.500	469.622	6.60	5.50	469.454	6.60
-5.500	468.921	-6.60	-3.50	469.353	-6.60	2429	+	0.00	8403474.40	293702.121	467.448	469.584	2.14	3.500	469.815	6.60	5.50	469.647	6.60
-5.500	469.155	-6.60	-3.50	469.587	-6.60	2430	+	0.00	8403474.918	293682.129	467.855	469.818	1.96	3.500	470.049	6.60	5.50	469.881	6.60
-5.500	469.389	-6.60	-3.50	469.821	-6.60	2431	+	0.00	8403474.435	293662.137	468.492	470.052	1.56	3.500	470.283	6.60	5.50	470.115	6.60
-5.500	469.492	-6.60	-3.50	469.924	-6.60	2431	+	8.77	8403473.945	293653.313	468.690	470.155	1.46	3.500	470.386	6.60	5.50	470.218	6.60
-5.500	469.623	-6.60	-3.50	470.055	-6.60	2432	+	0.00	8403472.954	293642.194	468.852	470.286	1.43	3.500	470.517	6.60	5.50	470.349	6.60
-5.500	469.858	-6.60	-3.50	470.290	-6.60	2433	+	0.00	8403470.479	293622.350	469.242	470.521	1.28	3.500	470.752	6.60	5.50	470.584	6.60
-5.500	470.092	-6.60	-3.50	470.524	-6.60	2434	+	0.00	8403467.014	293602.655	469.735	470.755	1.02	3.500	470.986	6.60	5.50	470.818	6.60
-5.500	470.255	-6.60	-3.50	470.687	-6.60	2434	+	13.95	8403464.018	293589.036	470.044	470.918	0.87	3.500	471.149	6.60	5.50	470.981	6.60

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	470.364	-5.91	-3.50	470.782	-5.91	2435	+	0.00	8403462.571	293583.156	470.179	470.989	0.81	3.500	471.196	5.91	5.50	471.014	5.91
-5.500	470.704	-4.00	-3.50	471.084	-4.00	2436	+	0.00	8403457.278	293563.871	470.520	471.224	0.70	3.500	471.351	3.64	5.50	471.124	3.64
-5.500	470.938	-4.00	-3.50	471.318	-4.00	2437	+	0.00	8403451.456	293544.737	470.792	471.458	0.67	3.500	471.506	1.36	5.50	471.233	1.36
-5.500	471.078	-4.00	-3.50	471.458	-4.00	2437	+	11.95	8403447.864	293533.345	470.923	471.598	0.68	3.500	471.598	0.00	5.50	471.298	0.00
-5.500	471.172	-4.00	-3.50	471.552	-4.00	2438	+	0.00	8403445.434	293525.665	471.036	471.692	0.66	3.500	471.660	-0.92	5.50	471.341	-0.92
-5.500	471.406	-4.00	-3.50	471.786	-4.00	2439	+	0.00	8403439.40	293506.597	471.252	471.926	0.67	3.500	471.814	-3.19	5.50	471.451	-3.19
-5.500	471.641	-4.00	-3.50	472.021	-4.00	2440	+	0.00	8403433.366	293487.529	471.334	472.161	0.83	3.500	472.021	-4.00	5.50	471.641	-4.00
-5.500	471.875	-4.00	-3.50	472.255	-4.00	2441	+	0.00	8403427.332	293468.461	471.488	472.395	0.91	3.500	472.255	-4.00	5.50	471.875	-4.00
-5.500	472.109	-4.00	-3.50	472.489	-4.00	2442	+	0.00	8403421.297	293449.393	471.632	472.629	1.00	3.500	472.489	-4.00	5.50	472.109	-4.00
-5.500	472.356	-3.78	-3.50	472.732	-3.78	2443	+	0.00	8403415.263	293430.325	471.831	472.864	1.03	3.500	472.724	-4.00	5.50	472.344	-4.00
-5.500	472.741	-1.03	-3.50	473.062	-1.03	2444	+	0.00	8403409.229	293411.257	472.038	473.098	1.06	3.500	472.958	-4.00	5.50	472.578	-4.00
-5.500	472.885	0.00	-3.50	473.185	0.00	2444	+	7.48	8403406.973	293404.129	472.136	473.185	1.05	3.500	473.045	-4.00	5.50	472.665	-4.00
-5.500	473.127	1.72	-3.50	473.392	1.72	2445	+	0.00	8403403.211	293392.184	472.231	473.332	1.10	3.500	473.192	-4.00	5.50	472.812	-4.00
-5.500	473.512	4.47	-3.50	473.722	4.47	2446	+	0.00	8403397.446	293373.034	472.408	473.566	1.16	3.500	473.410	-4.47	5.50	473.020	-4.47
-5.500	473.811	6.60	-3.50	473.979	6.60	2446	+	15.48	8403393.411	293358.092	472.595	473.748	1.15	3.500	473.517	-6.60	5.50	473.085	-6.60
-5.500	473.864	6.60	-3.50	474.032	6.60	2447	+	0.00	8403392.333	293353.70	472.651	473.801	1.15	3.500	473.570	-6.60	5.50	473.138	-6.60
-5.500	474.098	6.60	-3.50	474.266	6.60	2448	+	0.00	8403388.161	293334.142	472.992	474.035	1.04	3.500	473.804	-6.60	5.50	473.372	-6.60
-5.500	474.332	6.60	-3.50	474.500	6.60	2449	+	0.00	8403384.971	293314.40	473.117	474.269	1.15	3.500	474.038	-6.60	5.50	473.606	-6.60
-5.500	474.567	6.60	-3.50	474.735	6.60	2450	+	0.00	8403382.772	293294.524	473.256	474.504	1.25	3.500	474.273	-6.60	5.50	473.841	-6.60
-5.500	474.801	6.60	-3.50	474.969	6.60	2451	+	0.00	8403381.570	293274.562	473.399	474.738	1.34	3.500	474.507	-6.60	5.50	474.075	-6.60
-5.500	475.035	6.60	-3.50	475.203	6.60	2452	+	0.00	8403381.366	293254.565	473.408	474.972	1.56	3.500	474.741	-6.60	5.50	474.309	-6.60
-5.500	475.261	6.60	-3.50	475.429	6.60	2453	+	0.00	8403382.162	293234.583	473.459	475.198	1.74	3.500	474.967	-6.60	5.50	474.535	-6.60
-5.500	475.324	6.60	-3.50	475.492	6.60	2453	+	6.68	8403382.679	293227.956	473.401	475.261	1.86	3.500	475.030	-6.60	5.50	474.598	-6.60
-5.500	475.428	6.60	-3.50	475.596	6.60	2454	+	0.00	8403383.956	293214.666	473.325	475.365	2.04	3.500	475.134	-6.60	5.50	474.702	-6.60
-5.500	475.529	6.60	-3.50	475.697	6.60	2455	+	0.00	8403386.743	293194.863	473.175	475.466	2.29	3.500	475.235	-6.60	5.50	474.803	-6.60
-5.500	475.563	6.60	-3.50	475.731	6.60	2456	+	0.00	8403390.517	293175.224	472.993	475.500	2.51	3.500	475.269	-6.60	5.50	474.837	-6.60
-5.500	475.530	6.60	-3.50	475.698	6.60	2457	+	0.00	8403395.267	293155.799	473.018	475.467	2.45	3.500	475.236	-6.60	5.50	474.804	-6.60
-5.500	475.438	6.60	-3.50	475.606	6.60	2458	+	0.00	8403400.982	293136.635	472.690	475.375	2.69	3.500	475.144	-6.60	5.50	474.712	-6.60
-5.500	475.338	6.60	-3.50	475.506	6.60	2459	+	0.00	8403407.648	293117.780	472.728	475.275	2.55	3.500	475.044	-6.60	5.50	474.612	-6.60
-5.500	475.249	6.60	-3.50	475.417	6.60	2459	+	17.88	8403414.398	293101.225	472.705	475.186	2.48	3.500	474.955	-6.60	5.50	474.523	-6.60
-5.500	475.222	6.31	-3.50	475.396	6.31	2460	+	0.00	8403415.247	293099.283	472.718	475.175	2.46	3.500	474.954	-6.31	5.50	474.528	-6.31
-5.500	474.971	3.56	-3.50	475.200	3.56	2461	+	0.00	8403423.677	293081.148	472.684	475.075	2.39	3.500	474.935	-4.00	5.50	474.555	-4.00
-5.500	474.720	0.81	-3.50	475.003	0.81	2462	+	0.00	8403432.594	293063.245	472.674	474.975	2.30	3.500	474.835	-4.00	5.50	474.455	-4.00
-5.500	474.646	0.00	-3.50	474.946	0.00	2462	+	5.88	8403435.252	293058.001	472.664	474.946	2.28	3.500	474.806	-4.00	5.50	474.426	-4.00
-5.500	474.468	-1.94	-3.50	474.807	-1.94	2463	+	0.00	8403441.641	293045.409	472.630	474.875	2.25	3.500	474.735	-4.00	5.50	474.355	-4.00
-5.500	474.255	-4.00	-3.50	474.635	-4.00	2464	+	0.00	8403450.691	293027.573	472.656	474.775	2.12	3.500	474.635	-4.00	5.50	474.255	-4.00
-5.500	474.155	-4.00	-3.50	474.535	-4.00	2465	+	0.00	8403459.740	293009.738	472.595	474.675	2.08	3.500	474.535	-4.00	5.50	474.155	-4.00
-5.500	474.055	-4.00	-3.50	474.435	-4.00	2466	+	0.00	8403468.789	292991.902	472.526	474.575	2.05	3.500	474.435	-4.00	5.50	474.055	-4.00
-5.500	473.955	-4.00	-3.50	474.335	-4.00	2467	+	0.00	8403477.838	292974.066	472.375	474.475	2.10	3.500	474.335	-4.00	5.50	473.955	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	473.855	-4.00	-3.50	474.235	-4.00	2468	+	0.00	8403486.888	292956.230	472.400	474.375	1.98	3.500	474.235	-4.00	5.50	473.855	-4.00
-5.500	473.755	-4.00	-3.50	474.135	-4.00	2469	+	0.00	8403495.937	292938.395	472.431	474.275	1.84	3.500	474.135	-4.00	5.50	473.755	-4.00
-5.500	473.655	-4.00	-3.50	474.035	-4.00	2470	+	0.00	8403504.986	292920.559	472.448	474.175	1.73	3.500	474.035	-4.00	5.50	473.655	-4.00
-5.500	473.555	-4.00	-3.50	473.935	-4.00	2471	+	0.00	8403514.035	292902.723	472.491	474.075	1.58	3.500	473.935	-4.00	5.50	473.555	-4.00
-5.500	473.455	-4.00	-3.50	473.835	-4.00	2472	+	0.00	8403523.085	292884.888	472.452	473.975	1.52	3.500	473.835	-4.00	5.50	473.455	-4.00
-5.500	473.365	-4.00	-3.50	473.745	-4.00	2473	+	0.00	8403532.134	292867.052	472.623	473.885	1.26	3.500	473.745	-4.00	5.50	473.365	-4.00
-5.500	473.345	-4.00	-3.50	473.725	-4.00	2474	+	0.00	8403541.183	292849.216	472.652	473.865	1.21	3.500	473.725	-4.00	5.50	473.345	-4.00
-5.500	473.405	-4.00	-3.50	473.785	-4.00	2475	+	0.00	8403550.232	292831.381	472.830	473.925	1.10	3.500	473.785	-4.00	5.50	473.405	-4.00
-5.500	473.545	-4.00	-3.50	473.925	-4.00	2476	+	0.00	8403559.281	292813.545	472.785	474.065	1.28	3.500	473.925	-4.00	5.50	473.545	-4.00
-5.500	473.765	-4.00	-3.50	474.145	-4.00	2477	+	0.00	8403568.331	292795.709	472.998	474.285	1.29	3.500	474.145	-4.00	5.50	473.765	-4.00
-5.500	474.055	-4.00	-3.50	474.435	-4.00	2478	+	0.00	8403577.380	292777.874	473.265	474.575	1.31	3.500	474.435	-4.00	5.50	474.055	-4.00
-5.500	474.355	-4.00	-3.50	474.735	-4.00	2479	+	0.00	8403586.429	292760.038	473.644	474.875	1.23	3.500	474.822	-1.52	5.50	474.491	-1.52
-5.500	474.521	-4.00	-3.50	474.901	-4.00	2479	+	11.05	8403591.431	292750.180	474.116	475.041	0.93	3.500	475.041	0.00	5.50	474.741	0.00
-5.500	474.655	-4.00	-3.50	475.035	-4.00	2480	+	0.00	8403595.470	292742.198	474.456	475.175	0.72	3.500	475.218	1.23	5.50	474.943	1.23
-5.500	474.955	-4.00	-3.50	475.335	-4.00	2481	+	0.00	8403604.256	292724.232	475.152	475.475	0.32	3.500	475.615	3.99	5.50	475.394	3.99
-5.500	475.104	-6.75	-3.50	475.539	-6.75	2482	+	0.00	8403612.253	292705.904	475.621	475.775	0.15	3.500	476.011	6.75	5.50	475.846	6.75
-5.500	475.171	-8.00	-3.50	475.631	-8.00	2482	+	9.05	8403615.460	292697.437	475.860	475.911	0.05	3.500	476.191	8.00	5.50	476.051	8.00
-5.500	475.335	-8.00	-3.50	475.795	-8.00	2483	+	0.00	8403618.90	292687.047	476.270	476.075	-0.19	3.500	476.355	8.00	5.50	476.215	8.00
-5.500	475.635	-8.00	-3.50	476.095	-8.00	2484	+	0.00	8403623.892	292667.686	476.654	476.375	-0.28	3.500	476.655	8.00	5.50	476.515	8.00
-5.500	475.935	-8.00	-3.50	476.395	-8.00	2485	+	0.00	8403627.184	292647.966	476.989	476.675	-0.31	3.500	476.955	8.00	5.50	476.815	8.00
-5.500	476.235	-8.00	-3.50	476.695	-8.00	2486	+	0.00	8403628.751	292628.033	476.956	476.975	0.02	3.500	477.255	8.00	5.50	477.115	8.00
-5.500	476.535	-8.00	-3.50	476.995	-8.00	2487	+	0.00	8403628.581	292608.040	477.037	477.275	0.24	3.500	477.555	8.00	5.50	477.415	8.00
-5.500	476.831	-8.00	-3.50	477.291	-8.00	2488	+	0.00	8403626.676	292588.138	476.732	477.571	0.84	3.500	477.851	8.00	5.50	477.711	8.00
-5.500	477.100	-8.00	-3.50	477.560	-8.00	2489	+	0.00	8403623.049	292568.476	476.827	477.840	1.01	3.500	478.120	8.00	5.50	477.980	8.00
-5.500	477.337	-8.00	-3.50	477.797	-8.00	2490	+	0.00	8403617.728	292549.203	476.958	478.077	1.12	3.500	478.357	8.00	5.50	478.217	8.00
-5.500	477.496	-8.00	-3.50	477.956	-8.00	2490	+	15.19	8403612.559	292534.883	476.909	478.236	1.33	3.500	478.516	8.00	5.50	478.376	8.00
-5.500	477.543	-8.00	-3.50	478.003	-8.00	2491	+	0.00	8403610.753	292530.465	476.886	478.283	1.40	3.500	478.563	8.00	5.50	478.423	8.00
-5.500	477.718	-8.00	-3.50	478.178	-8.00	2492	+	0.00	8403602.178	292512.404	476.878	478.458	1.58	3.500	478.738	8.00	5.50	478.598	8.00
-5.500	477.865	-8.00	-3.50	478.325	-8.00	2493	+	0.00	8403592.066	292495.156	476.933	478.605	1.67	3.500	478.885	8.00	5.50	478.745	8.00
-5.500	478.008	-8.00	-3.50	478.468	-8.00	2494	+	0.00	8403580.495	292478.851	477.835	478.748	0.91	3.500	479.028	8.00	5.50	478.888	8.00
-5.500	478.152	-8.00	-3.50	478.612	-8.00	2495	+	0.00	8403567.551	292463.612	478.413	478.892	0.48	3.500	479.172	8.00	5.50	479.032	8.00
-5.500	478.295	-8.00	-3.50	478.755	-8.00	2496	+	0.00	8403553.333	292449.556	479.084	479.035	-0.05	3.500	479.315	8.00	5.50	479.175	8.00
-5.500	478.438	-8.00	-3.50	478.898	-8.00	2497	+	0.00	8403537.948	292436.787	479.042	479.178	0.14	3.500	479.458	8.00	5.50	479.318	8.00
-5.500	478.582	-8.00	-3.50	479.042	-8.00	2498	+	0.00	8403521.512	292425.403	479.004	479.322	0.32	3.500	479.602	8.00	5.50	479.462	8.00
-5.500	478.725	-8.00	-3.50	479.185	-8.00	2499	+	0.00	8403504.149	292415.489	478.858	479.465	0.61	3.500	479.745	8.00	5.50	479.605	8.00
-5.500	478.735	-8.00	-3.50	479.195	-8.00	2499	+	1.33	8403502.962	292414.882	478.849	479.475	0.63	3.500	479.755	8.00	5.50	479.615	8.00
-5.500	479.009	-5.43	-3.50	479.418	-5.43	2500	+	0.00	8403486.023	292407.046	478.496	479.608	1.11	3.500	479.798	5.43	5.50	479.607	5.43
-5.500	479.232	-4.00	-3.50	479.612	-4.00	2501	+	0.00	8403467.429	292399.684	478.274	479.752	1.48	3.500	479.845	2.67	5.50	479.599	2.67
-5.500	479.370	-4.00	-3.50	479.750	-4.00	2501	+	19.33	8403449.257	292393.089	478.157	479.890	1.73	3.500	479.890	0.00	5.50	479.590	0.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	479.375	-4.00	-3.50	479.755	-4.00	2502	+	0.00	8403448.628	292392.865	478.170	479.895	1.72	3.500	479.892	-0.09	5.50	479.590	-0.09
-5.500	479.518	-4.00	-3.50	479.898	-4.00	2503	+	0.00	8403429.796	292386.130	478.349	480.038	1.69	3.500	479.938	-2.85	5.50	479.581	-2.85
-5.500	479.662	-4.00	-3.50	480.042	-4.00	2504	+	0.00	8403410.964	292379.395	478.569	480.182	1.61	3.500	480.042	-4.00	5.50	479.662	-4.00
-5.500	479.805	-4.00	-3.50	480.185	-4.00	2505	+	0.00	8403392.132	292372.660	478.921	480.325	1.40	3.500	480.185	-4.00	5.50	479.805	-4.00
-5.500	479.948	-4.00	-3.50	480.328	-4.00	2506	+	0.00	8403373.30	292365.925	479.430	480.468	1.04	3.500	480.328	-4.00	5.50	479.948	-4.00
-5.500	480.092	-4.00	-3.50	480.472	-4.00	2507	+	0.00	8403354.468	292359.190	479.600	480.612	1.01	3.500	480.472	-4.00	5.50	480.092	-4.00
-5.500	480.235	-4.00	-3.50	480.615	-4.00	2508	+	0.00	8403335.637	292352.455	479.909	480.755	0.85	3.500	480.615	-4.00	5.50	480.235	-4.00
-5.500	480.378	-4.00	-3.50	480.758	-4.00	2509	+	0.00	8403316.805	292345.720	479.874	480.898	1.02	3.500	480.758	-4.00	5.50	480.378	-4.00
-5.500	480.522	-4.00	-3.50	480.902	-4.00	2510	+	0.00	8403297.973	292338.985	479.874	481.042	1.17	3.500	480.902	-4.00	5.50	480.522	-4.00
-5.500	480.665	-4.00	-3.50	481.045	-4.00	2511	+	0.00	8403279.141	292332.250	480.180	481.185	1.01	3.500	481.045	-4.00	5.50	480.665	-4.00
-5.500	480.808	-4.00	-3.50	481.188	-4.00	2512	+	0.00	8403260.309	292325.515	480.476	481.328	0.85	3.500	481.188	-4.00	5.50	480.808	-4.00
-5.500	480.952	-4.00	-3.50	481.332	-4.00	2513	+	0.00	8403241.477	292318.781	481.137	481.472	0.33	3.500	481.332	-4.00	5.50	480.952	-4.00
-5.500	481.095	-4.00	-3.50	481.475	-4.00	2514	+	0.00	8403222.645	292312.046	480.919	481.615	0.70	3.500	481.475	-4.00	5.50	481.095	-4.00
-5.500	481.238	-4.00	-3.50	481.618	-4.00	2515	+	0.00	8403203.813	292305.311	480.955	481.758	0.80	3.500	481.618	-4.00	5.50	481.238	-4.00
-5.500	481.382	-4.00	-3.50	481.762	-4.00	2516	+	0.00	8403184.981	292298.576	480.344	481.902	1.56	3.500	481.762	-4.00	5.50	481.382	-4.00
-5.500	481.525	-4.00	-3.50	481.905	-4.00	2517	+	0.00	8403166.149	292291.841	480.744	482.045	1.30	3.500	481.905	-4.00	5.50	481.525	-4.00
-5.500	481.662	-4.00	-3.50	482.042	-4.00	2518	+	0.00	8403147.317	292285.106	479.750	482.182	2.43	3.500	482.042	-4.00	5.50	481.662	-4.00
-5.500	481.757	-4.00	-3.50	482.137	-4.00	2519	+	0.00	8403128.485	292278.371	478.785	482.277	3.49	3.500	482.137	-4.00	5.50	481.757	-4.00
-5.500	481.803	-4.00	-3.50	482.183	-4.00	2520	+	0.00	8403109.654	292271.636	478.388	482.323	3.94	3.500	482.183	-4.00	5.50	481.803	-4.00
-5.500	481.800	-4.00	-3.50	482.180	-4.00	2521	+	0.00	8403090.822	292264.901	477.936	482.320	4.38	3.500	482.180	-4.00	5.50	481.800	-4.00
-5.500	481.839	-2.35	-3.50	482.186	-2.35	2522	+	0.00	8403071.990	292258.166	477.929	482.268	4.34	3.500	482.128	-4.00	5.50	481.748	-4.00
-5.500	481.846	-0.49	-3.50	482.156	-0.49	2523	+	0.00	8403053.158	292251.431	478.183	482.173	3.99	3.500	482.033	-4.00	5.50	481.653	-4.00
-5.500	481.847	0.00	-3.50	482.147	0.00	2523	+	5.26	8403048.204	292249.660	478.233	482.147	3.91	3.500	482.007	-4.00	5.50	481.627	-4.00
-5.500	481.848	1.37	-3.50	482.121	1.37	2524	+	0.00	8403034.332	292244.681	478.229	482.073	3.84	3.500	481.933	-4.00	5.50	481.553	-4.00
-5.500	481.850	3.23	-3.50	482.085	3.23	2525	+	0.00	8403015.569	292237.756	478.329	481.972	3.64	3.500	481.832	-4.00	5.50	481.452	-4.00
-5.500	481.852	5.10	-3.50	482.050	5.10	2526	+	0.00	8402996.962	292230.424	478.464	481.871	3.41	3.500	481.693	-5.10	5.50	481.291	-5.10
-5.500	481.852	5.40	-3.50	482.044	5.40	2526	+	3.26	8402993.950	292229.174	478.455	481.855	3.40	3.500	481.666	-5.40	5.50	481.258	-5.40
-5.500	481.768	5.40	-3.50	481.960	5.40	2527	+	0.00	8402978.608	292222.481	478.580	481.771	3.19	3.500	481.582	-5.40	5.50	481.174	-5.40
-5.500	481.667	5.40	-3.50	481.859	5.40	2528	+	0.00	8402960.555	292213.876	478.631	481.670	3.04	3.500	481.481	-5.40	5.50	481.073	-5.40
-5.500	481.567	5.40	-3.50	481.759	5.40	2529	+	0.00	8402942.827	292204.620	478.238	481.570	3.33	3.500	481.381	-5.40	5.50	480.973	-5.40
-5.500	481.466	5.40	-3.50	481.658	5.40	2530	+	0.00	8402925.447	292194.726	477.597	481.469	3.87	3.500	481.280	-5.40	5.50	480.872	-5.40
-5.500	481.365	5.40	-3.50	481.557	5.40	2531	+	0.00	8402908.438	292184.206	477.480	481.368	3.89	3.500	481.179	-5.40	5.50	480.771	-5.40
-5.500	481.265	5.40	-3.50	481.457	5.40	2532	+	0.00	8402891.823	292173.075	477.556	481.268	3.71	3.500	481.079	-5.40	5.50	480.671	-5.40
-5.500	481.164	5.40	-3.50	481.356	5.40	2533	+	0.00	8402875.624	292161.348	477.487	481.167	3.68	3.500	480.978	-5.40	5.50	480.570	-5.40
-5.500	481.064	5.40	-3.50	481.256	5.40	2534	+	0.00	8402859.862	292149.039	477.547	481.067	3.52	3.500	480.878	-5.40	5.50	480.470	-5.40
-5.500	480.963	5.40	-3.50	481.155	5.40	2535	+	0.00	8402844.557	292136.165	477.536	480.966	3.43	3.500	480.777	-5.40	5.50	480.369	-5.40
-5.500	480.862	5.40	-3.50	481.054	5.40	2536	+	0.00	8402829.731	292122.744	477.568	480.865	3.30	3.500	480.676	-5.40	5.50	480.268	-5.40
-5.500	480.762	5.40	-3.50	480.954	5.40	2537	+	0.00	8402815.403	292108.792	477.517	480.765	3.25	3.500	480.576	-5.40	5.50	480.168	-5.40
-5.500	480.661	5.40	-3.50	480.853	5.40	2538	+	0.00	8402801.591	292094.329	477.539	480.664	3.13	3.500	480.475	-5.40	5.50	480.067	-5.40

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	480.561	5.40	-3.50	480.753	5.40	2539	+	0.00	8402788.314	292079.373	477.685	480.564	2.88	3.500	480.375	-5.40	5.50	479.967	-5.40
-5.500	480.460	5.40	-3.50	480.652	5.40	2540	+	0.00	8402775.590	292063.944	477.509	480.463	2.95	3.500	480.274	-5.40	5.50	479.866	-5.40
-5.500	480.359	5.40	-3.50	480.551	5.40	2541	+	0.00	8402763.435	292048.063	477.635	480.362	2.73	3.500	480.173	-5.40	5.50	479.765	-5.40
-5.500	480.259	5.40	-3.50	480.451	5.40	2542	+	0.00	8402751.865	292031.750	477.543	480.262	2.72	3.500	480.073	-5.40	5.50	479.665	-5.40
-5.500	480.231	5.40	-3.50	480.423	5.40	2542	+	5.51	8402748.822	292027.205	477.507	480.234	2.73	3.500	480.045	-5.40	5.50	479.637	-5.40
-5.500	480.158	5.40	-3.50	480.350	5.40	2543	+	0.00	8402740.896	292015.028	477.593	480.161	2.57	3.500	479.972	-5.40	5.50	479.564	-5.40
-5.500	480.058	5.40	-3.50	480.250	5.40	2544	+	0.00	8402730.542	291997.918	477.738	480.061	2.32	3.500	479.872	-5.40	5.50	479.464	-5.40
-5.500	479.957	5.40	-3.50	480.149	5.40	2545	+	0.00	8402720.818	291980.443	477.537	479.960	2.42	3.500	479.771	-5.40	5.50	479.363	-5.40
-5.500	479.856	5.40	-3.50	480.048	5.40	2546	+	0.00	8402711.734	291962.625	477.499	479.859	2.36	3.500	479.670	-5.40	5.50	479.262	-5.40
-5.500	479.756	5.40	-3.50	479.948	5.40	2547	+	0.00	8402703.305	291944.490	477.088	479.759	2.67	3.500	479.570	-5.40	5.50	479.162	-5.40
-5.500	479.655	5.40	-3.50	479.847	5.40	2548	+	0.00	8402695.541	291926.059	477.276	479.658	2.38	3.500	479.469	-5.40	5.50	479.061	-5.40
-5.500	479.555	5.40	-3.50	479.747	5.40	2549	+	0.00	8402688.452	291907.359	477.408	479.558	2.15	3.500	479.369	-5.40	5.50	478.961	-5.40
-5.500	479.454	5.40	-3.50	479.646	5.40	2550	+	0.00	8402682.047	291888.414	477.377	479.457	2.08	3.500	479.268	-5.40	5.50	478.860	-5.40
-5.500	479.353	5.40	-3.50	479.545	5.40	2551	+	0.00	8402676.335	291869.248	477.727	479.356	1.63	3.500	479.167	-5.40	5.50	478.759	-5.40
-5.500	479.253	5.40	-3.50	479.445	5.40	2552	+	0.00	8402671.324	291849.887	477.569	479.256	1.69	3.500	479.067	-5.40	5.50	478.659	-5.40
-5.500	479.152	5.40	-3.50	479.344	5.40	2553	+	0.00	8402667.020	291830.356	477.561	479.155	1.59	3.500	478.966	-5.40	5.50	478.558	-5.40
-5.500	479.052	5.40	-3.50	479.244	5.40	2554	+	0.00	8402663.429	291810.683	477.458	479.055	1.60	3.500	478.866	-5.40	5.50	478.458	-5.40
-5.500	478.951	5.40	-3.50	479.143	5.40	2555	+	0.00	8402660.556	291790.891	477.702	478.954	1.25	3.500	478.765	-5.40	5.50	478.357	-5.40
-5.500	478.850	5.40	-3.50	479.042	5.40	2556	+	0.00	8402658.404	291771.008	477.782	478.853	1.07	3.500	478.664	-5.40	5.50	478.256	-5.40
-5.500	478.750	5.40	-3.50	478.942	5.40	2557	+	0.00	8402656.976	291751.061	477.842	478.753	0.91	3.500	478.564	-5.40	5.50	478.156	-5.40
-5.500	478.649	5.40	-3.50	478.841	5.40	2558	+	0.00	8402656.275	291731.074	477.752	478.652	0.90	3.500	478.463	-5.40	5.50	478.055	-5.40
-5.500	478.610	5.40	-3.50	478.802	5.40	2558	+	7.76	8402656.198	291723.316	477.706	478.613	0.91	3.500	478.424	-5.40	5.50	478.016	-5.40
-5.500	478.486	4.26	-3.50	478.701	4.26	2559	+	0.00	8402656.291	291711.075	477.556	478.552	1.00	3.500	478.403	-4.26	5.50	478.018	-4.26
-5.500	478.283	2.40	-3.50	478.535	2.40	2560	+	0.00	8402656.878	291691.084	477.235	478.451	1.22	3.500	478.311	-4.00	5.50	477.931	-4.00
-5.500	478.080	0.54	-3.50	478.369	0.54	2561	+	0.00	8402657.788	291671.105	476.820	478.350	1.53	3.500	478.210	-4.00	5.50	477.830	-4.00
-5.500	478.021	0.00	-3.50	478.321	0.00	2561	+	5.76	8402658.074	291665.353	476.668	478.321	1.65	3.500	478.181	-4.00	5.50	477.801	-4.00
-5.500	477.877	-1.33	-3.50	478.203	-1.33	2562	+	0.00	8402658.785	291651.130	476.277	478.250	1.97	3.500	478.110	-4.00	5.50	477.730	-4.00
-5.500	477.664	-3.19	-3.50	478.027	-3.19	2563	+	0.00	8402659.783	291631.155	475.584	478.139	2.56	3.500	477.999	-4.00	5.50	477.619	-4.00
-5.500	477.433	-4.00	-3.50	477.813	-4.00	2564	+	0.00	8402660.782	291611.179	474.958	477.953	2.99	3.500	477.813	-4.00	5.50	477.433	-4.00
-5.500	477.162	-4.00	-3.50	477.542	-4.00	2565	+	0.00	8402661.780	291591.204	474.379	477.682	3.30	3.500	477.542	-4.00	5.50	477.162	-4.00
-5.500	476.806	-4.00	-3.50	477.186	-4.00	2566	+	0.00	8402662.778	291571.229	473.884	477.326	3.44	3.500	477.229	-2.78	5.50	476.873	-2.78
-5.500	476.365	-4.00	-3.50	476.745	-4.00	2567	+	0.00	8402663.776	291551.254	473.280	476.885	3.61	3.500	476.884	-0.02	5.50	476.584	-0.02
-5.500	476.361	-4.00	-3.50	476.741	-4.00	2567	+	0.15	8402663.784	291551.102	473.275	476.881	3.61	3.500	476.881	0.00	5.50	476.581	0.00
-5.500	475.849	-4.00	-3.50	476.229	-4.00	2568	+	0.00	8402664.677	291531.275	472.679	476.369	3.69	3.500	476.465	2.74	5.50	476.220	2.74
-5.500	475.241	-5.50	-3.50	475.651	-5.50	2569	+	0.00	8402664.983	291511.279	472.121	475.843	3.72	3.500	476.036	5.50	5.50	475.846	5.50
-5.500	474.626	-8.00	-3.50	475.086	-8.00	2569	+	18.15	8402664.242	291493.145	471.696	475.366	3.67	3.500	475.646	8.00	5.50	475.506	8.00
-5.500	474.577	-8.00	-3.50	475.037	-8.00	2570	+	0.00	8402664.094	291491.303	471.639	475.317	3.68	3.500	475.597	8.00	5.50	475.457	8.00
-5.500	474.051	-8.00	-3.50	474.511	-8.00	2571	+	0.00	8402661.548	291471.472	471.283	474.791	3.51	3.500	475.071	8.00	5.50	474.931	8.00
-5.500	473.580	-8.00	-3.50	474.040	-8.00	2571	+	17.91	8402657.791	291453.985	471.086	474.320	3.23	3.500	474.600	8.00	5.50	474.460	8.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	473.525	-8.00	-3.50	473.985	-8.00	2572	+	0.00	8402657.290	291451.937	471.068	474.265	3.20	3.500	474.545	8.00	5.50	474.405	8.00
-5.500	473.009	-8.00	-3.50	473.469	-8.00	2573	+	0.00	8402651.352	291432.846	470.784	473.749	2.97	3.500	474.029	8.00	5.50	473.889	8.00
-5.500	472.615	-8.00	-3.50	473.075	-8.00	2573	+	17.67	8402644.743	291416.466	470.761	473.355	2.59	3.500	473.635	8.00	5.50	473.495	8.00
-5.500	472.583	-7.73	-3.50	473.037	-7.73	2574	+	0.00	8402643.777	291414.342	470.764	473.308	2.54	3.500	473.579	7.73	5.50	473.433	7.73
-5.500	472.355	-5.40	-3.50	472.763	-5.40	2575	+	0.00	8402634.747	291396.501	470.870	472.952	2.08	3.500	473.141	5.40	5.50	472.949	5.40
-5.500	472.212	-3.07	-3.50	472.574	-3.07	2576	+	0.00	8402624.775	291379.166	470.856	472.681	1.82	3.500	472.788	3.07	5.50	472.550	3.07
-5.500	472.161	-1.24	-3.50	472.486	-1.24	2576	+	15.67	8402616.655	291365.768	470.876	472.529	1.65	3.500	472.572	1.24	5.50	472.297	1.24
-5.500	472.155	-0.74	-3.50	472.470	-0.74	2577	+	0.00	8402614.398	291362.069	470.891	472.496	1.60	3.500	472.522	0.74	5.50	472.237	0.74
-5.500	472.164	0.86	-3.50	472.447	0.86	2577	+	13.65	8402607.287	291350.418	470.873	472.417	1.54	3.500	472.387	-0.86	5.50	472.070	-0.86
-5.500	472.173	1.60	-3.50	472.441	1.60	2578	+	0.00	8402603.981	291344.996	470.882	472.385	1.50	3.500	472.329	-1.60	5.50	471.997	-1.60
-5.500	472.200	3.93	-3.50	472.422	3.93	2579	+	0.00	8402593.689	291327.848	470.869	472.284	1.41	3.500	472.146	-3.93	5.50	471.768	-3.93
-5.500	472.227	6.10	-3.50	472.405	6.10	2579	+	18.65	8402584.490	291311.625	470.732	472.191	1.46	3.500	471.978	-6.10	5.50	471.556	-6.10
-5.500	472.220	6.10	-3.50	472.398	6.10	2580	+	0.00	8402583.847	291310.438	470.718	472.184	1.47	3.500	471.971	-6.10	5.50	471.549	-6.10
-5.500	472.119	6.10	-3.50	472.297	6.10	2581	+	0.00	8402574.741	291292.633	470.571	472.083	1.51	3.500	471.870	-6.10	5.50	471.448	-6.10
-5.500	472.019	6.10	-3.50	472.197	6.10	2582	+	0.00	8402566.436	291274.441	470.370	471.983	1.61	3.500	471.770	-6.10	5.50	471.348	-6.10
-5.500	471.918	6.10	-3.50	472.096	6.10	2583	+	0.00	8402558.947	291255.898	470.096	471.882	1.79	3.500	471.669	-6.10	5.50	471.247	-6.10
-5.500	471.818	6.10	-3.50	471.996	6.10	2584	+	0.00	8402552.289	291237.040	469.553	471.782	2.23	3.500	471.569	-6.10	5.50	471.147	-6.10
-5.500	471.720	6.10	-3.50	471.898	6.10	2584	+	19.55	8402547.793	291218.005	469.224	471.684	2.46	3.500	471.471	-6.10	5.50	471.049	-6.10
-5.500	471.718	6.10	-3.50	471.896	6.10	2585	+	0.00	8402546.475	291217.906	469.215	471.682	2.47	3.500	471.469	-6.10	5.50	471.047	-6.10
-5.500	471.617	6.10	-3.50	471.795	6.10	2586	+	0.00	8402541.518	291198.532	469.039	471.581	2.54	3.500	471.368	-6.10	5.50	470.946	-6.10
-5.500	471.517	6.10	-3.50	471.695	6.10	2587	+	0.00	8402537.426	291178.956	469.057	471.481	2.42	3.500	471.268	-6.10	5.50	470.846	-6.10
-5.500	471.416	6.10	-3.50	471.594	6.10	2588	+	0.00	8402534.208	291159.219	469.143	471.380	2.24	3.500	471.167	-6.10	5.50	470.745	-6.10
-5.500	471.316	6.10	-3.50	471.494	6.10	2589	+	0.00	8402531.869	291139.357	468.885	471.280	2.39	3.500	471.067	-6.10	5.50	470.645	-6.10
-5.500	471.215	6.10	-3.50	471.393	6.10	2590	+	0.00	8402530.416	291119.412	468.678	471.179	2.50	3.500	470.966	-6.10	5.50	470.544	-6.10
-5.500	471.213	6.10	-3.50	471.391	6.10	2590	+	0.44	8402530.394	291118.970	468.669	471.177	2.51	3.500	470.964	-6.10	5.50	470.542	-6.10
-5.500	470.969	3.45	-3.50	471.200	3.45	2591	+	0.00	8402529.789	291099.423	468.683	471.079	2.40	3.500	470.939	-4.00	5.50	470.559	-4.00
-5.500	470.720	0.74	-3.50	471.005	0.74	2592	+	0.00	8402529.664	291079.423	468.737	470.979	2.24	3.500	470.839	-4.00	5.50	470.459	-4.00
-5.500	470.651	0.00	-3.50	470.951	0.00	2592	+	5.44	8402529.665	291073.981	468.715	470.951	2.24	3.500	470.811	-4.00	5.50	470.431	-4.00
-5.500	470.470	-1.97	-3.50	470.809	-1.97	2593	+	0.00	8402529.672	291059.423	468.615	470.878	2.26	3.500	470.738	-4.00	5.50	470.358	-4.00
-5.500	470.258	-4.00	-3.50	470.638	-4.00	2594	+	0.00	8402529.682	291039.423	468.380	470.778	2.40	3.500	470.638	-4.00	5.50	470.258	-4.00
-5.500	470.157	-4.00	-3.50	470.537	-4.00	2595	+	0.00	8402529.691	291019.423	468.164	470.677	2.51	3.500	470.537	-4.00	5.50	470.157	-4.00
-5.500	470.057	-4.00	-3.50	470.437	-4.00	2596	+	0.00	8402529.70	290999.423	468.022	470.577	2.56	3.500	470.437	-4.00	5.50	470.057	-4.00
-5.500	469.956	-4.00	-3.50	470.336	-4.00	2597	+	0.00	8402529.710	290979.423	467.925	470.476	2.55	3.500	470.336	-4.00	5.50	469.956	-4.00
-5.500	469.863	-4.00	-3.50	470.243	-4.00	2598	+	0.00	8402529.719	290959.423	467.872	470.383	2.51	3.500	470.243	-4.00	5.50	469.863	-4.00
-5.500	469.816	-4.00	-3.50	470.196	-4.00	2599	+	0.00	8402529.729	290939.423	467.889	470.336	2.45	3.500	470.196	-4.00	5.50	469.816	-4.00
-5.500	469.824	-4.00	-3.50	470.204	-4.00	2600	+	0.00	8402529.738	290919.423	467.885	470.344	2.46	3.500	470.204	-4.00	5.50	469.824	-4.00
-5.500	469.885	-4.00	-3.50	470.265	-4.00	2601	+	0.00	8402529.748	290899.423	467.855	470.405	2.55	3.500	470.265	-4.00	5.50	469.885	-4.00
-5.500	470.000	-4.00	-3.50	470.380	-4.00	2602	+	0.00	8402529.757	290879.423	467.845	470.520	2.67	3.500	470.380	-4.00	5.50	470.000	-4.00
-5.500	470.163	-4.00	-3.50	470.543	-4.00	2603	+	0.00	8402529.766	290859.423	467.784	470.683	2.90	3.500	470.543	-4.00	5.50	470.163	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	470.332	-4.00	-3.50	470.712	-4.00	2604	+	0.00	8402529.776	290839.423	467.836	470.852	3.02	3.500	470.712	-4.00	5.50	470.332	-4.00
-5.500	470.502	-4.00	-3.50	470.882	-4.00	2605	+	0.00	8402529.785	290819.423	467.777	471.022	3.25	3.500	470.882	-4.00	5.50	470.502	-4.00
-5.500	470.671	-4.00	-3.50	471.051	-4.00	2606	+	0.00	8402529.795	290799.423	468.015	471.191	3.18	3.500	471.051	-4.00	5.50	470.671	-4.00
-5.500	470.820	-4.00	-3.50	471.200	-4.00	2606	+	17.54	8402529.803	290781.883	468.409	471.340	2.93	3.500	471.200	-4.00	5.50	470.820	-4.00
-5.500	470.840	-4.00	-3.50	471.220	-4.00	2607	+	0.00	8402529.805	290779.423	468.515	471.360	2.85	3.500	471.220	-4.00	5.50	470.840	-4.00
-5.500	471.010	-4.00	-3.50	471.390	-4.00	2608	+	0.00	8402529.891	290759.424	468.724	471.530	2.81	3.500	471.390	-4.00	5.50	471.010	-4.00
-5.500	471.179	-4.00	-3.50	471.559	-4.00	2609	+	0.00	8402530.10	290739.425	468.659	471.699	3.04	3.500	471.559	-4.00	5.50	471.179	-4.00
-5.500	471.348	-4.00	-3.50	471.728	-4.00	2610	+	0.00	8402530.433	290719.428	468.907	471.868	2.96	3.500	471.728	-4.00	5.50	471.348	-4.00
-5.500	471.518	-4.00	-3.50	471.898	-4.00	2611	+	0.00	8402530.888	290699.433	469.185	472.038	2.85	3.500	471.898	-4.00	5.50	471.518	-4.00
-5.500	471.687	-4.00	-3.50	472.067	-4.00	2612	+	0.00	8402531.466	290679.441	469.338	472.207	2.87	3.500	472.067	-4.00	5.50	471.687	-4.00
-5.500	471.856	-4.00	-3.50	472.236	-4.00	2613	+	0.00	8402532.167	290659.454	469.600	472.376	2.78	3.500	472.236	-4.00	5.50	471.856	-4.00
-5.500	472.026	-4.00	-3.50	472.406	-4.00	2614	+	0.00	8402532.992	290639.471	470.202	472.546	2.34	3.500	472.406	-4.00	5.50	472.026	-4.00
-5.500	472.117	-4.00	-3.50	472.497	-4.00	2614	+	10.74	8402533.503	290628.733	470.597	472.637	2.04	3.500	472.497	-4.00	5.50	472.117	-4.00
-5.500	472.195	-4.00	-3.50	472.575	-4.00	2615	+	0.00	8402533.939	290619.493	470.809	472.715	1.91	3.500	472.575	-4.00	5.50	472.195	-4.00
-5.500	472.364	-4.00	-3.50	472.744	-4.00	2616	+	0.00	8402535.009	290599.522	471.328	472.884	1.56	3.500	472.744	-4.00	5.50	472.364	-4.00
-5.500	472.534	-4.00	-3.50	472.914	-4.00	2617	+	0.00	8402536.202	290579.557	471.774	473.054	1.28	3.500	472.914	-4.00	5.50	472.534	-4.00
-5.500	472.703	-4.00	-3.50	473.083	-4.00	2618	+	0.00	8402537.518	290559.601	472.251	473.223	0.97	3.500	473.083	-4.00	5.50	472.703	-4.00
-5.500	472.872	-4.00	-3.50	473.252	-4.00	2619	+	0.00	8402538.957	290539.653	472.908	473.392	0.48	3.500	473.252	-4.00	5.50	472.872	-4.00
-5.500	473.042	-4.00	-3.50	473.422	-4.00	2620	+	0.00	8402540.518	290519.714	473.247	473.562	0.31	3.500	473.422	-4.00	5.50	473.042	-4.00
-5.500	473.211	-4.00	-3.50	473.591	-4.00	2621	+	0.00	8402542.202	290499.785	473.703	473.731	0.03	3.500	473.591	-4.00	5.50	473.211	-4.00
-5.500	473.380	-4.00	-3.50	473.760	-4.00	2622	+	0.00	8402544.009	290479.867	473.827	473.900	0.07	3.500	473.760	-4.00	5.50	473.380	-4.00
-5.500	473.414	-4.00	-3.50	473.794	-4.00	2622	+	3.93	8402544.379	290475.953	473.802	473.934	0.13	3.500	473.794	-4.00	5.50	473.414	-4.00
-5.500	473.542	-4.00	-3.50	473.922	-4.00	2623	+	0.00	8402545.899	290459.956	473.381	474.062	0.68	3.500	473.922	-4.00	5.50	473.542	-4.00
-5.500	473.654	-4.00	-3.50	474.034	-4.00	2624	+	0.00	8402547.791	290440.046	472.950	474.174	1.22	3.500	474.034	-4.00	5.50	473.654	-4.00
-5.500	473.708	-4.00	-3.50	474.088	-4.00	2625	+	0.00	8402549.683	290420.135	472.519	474.228	1.71	3.500	474.088	-4.00	5.50	473.708	-4.00
-5.500	473.704	-4.00	-3.50	474.084	-4.00	2626	+	0.00	8402551.575	290400.225	472.011	474.224	2.21	3.500	474.084	-4.00	5.50	473.704	-4.00
-5.500	473.642	-4.00	-3.50	474.022	-4.00	2627	+	0.00	8402553.467	290380.315	471.874	474.162	2.29	3.500	474.022	-4.00	5.50	473.642	-4.00
-5.500	473.529	-4.00	-3.50	473.909	-4.00	2628	+	0.00	8402555.359	290360.405	471.602	474.049	2.45	3.500	473.909	-4.00	5.50	473.529	-4.00
-5.500	473.409	-4.00	-3.50	473.789	-4.00	2629	+	0.00	8402557.251	290340.494	471.225	473.929	2.70	3.500	473.789	-4.00	5.50	473.409	-4.00
-5.500	473.290	-4.00	-3.50	473.670	-4.00	2630	+	0.00	8402559.143	290320.584	471.106	473.810	2.70	3.500	473.670	-4.00	5.50	473.290	-4.00
-5.500	473.170	-4.00	-3.50	473.550	-4.00	2631	+	0.00	8402561.035	290300.674	470.681	473.690	3.01	3.500	473.550	-4.00	5.50	473.170	-4.00
-5.500	473.050	-4.00	-3.50	473.430	-4.00	2632	+	0.00	8402562.927	290280.763	470.584	473.570	2.99	3.500	473.430	-4.00	5.50	473.050	-4.00
-5.500	472.930	-4.00	-3.50	473.310	-4.00	2633	+	0.00	8402564.819	290260.853	470.868	473.450	2.58	3.500	473.310	-4.00	5.50	472.930	-4.00
-5.500	472.811	-4.00	-3.50	473.191	-4.00	2634	+	0.00	8402566.712	290240.943	470.770	473.331	2.56	3.500	473.191	-4.00	5.50	472.811	-4.00
-5.500	472.691	-4.00	-3.50	473.071	-4.00	2635	+	0.00	8402568.604	290221.032	471.135	473.211	2.08	3.500	473.071	-4.00	5.50	472.691	-4.00
-5.500	472.571	-4.00	-3.50	472.951	-4.00	2636	+	0.00	8402570.496	290201.122	470.759	473.091	2.33	3.500	472.951	-4.00	5.50	472.571	-4.00
-5.500	472.451	-4.00	-3.50	472.831	-4.00	2637	+	0.00	8402572.388	290181.212	470.773	472.971	2.20	3.500	472.831	-4.00	5.50	472.451	-4.00
-5.500	472.332	-4.00	-3.50	472.712	-4.00	2638	+	0.00	8402574.280	290161.301	470.689	472.852	2.16	3.500	472.712	-4.00	5.50	472.332	-4.00
-5.500	472.212	-4.00	-3.50	472.592	-4.00	2639	+	0.00	8402576.172	290141.391	470.776	472.732	1.96	3.500	472.592	-4.00	5.50	472.212	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	472.092	-4.00	-3.50	472.472	-4.00	2640	+	0.00	8402578.064	290121.481	470.902	472.612	1.71	3.500	472.472	-4.00	5.50	472.092	-4.00
-5.500	471.972	-4.00	-3.50	472.352	-4.00	2641	+	0.00	8402579.956	290101.571	470.967	472.492	1.53	3.500	472.352	-4.00	5.50	471.972	-4.00
-5.500	471.853	-4.00	-3.50	472.233	-4.00	2642	+	0.00	8402581.848	290081.660	471.241	472.373	1.13	3.500	472.233	-4.00	5.50	471.853	-4.00
-5.500	471.733	-4.00	-3.50	472.113	-4.00	2643	+	0.00	8402583.740	290061.750	471.386	472.253	0.87	3.500	472.113	-4.00	5.50	471.733	-4.00
-5.500	471.613	-4.00	-3.50	471.993	-4.00	2644	+	0.00	8402585.632	290041.840	471.422	472.133	0.71	3.500	471.993	-4.00	5.50	471.613	-4.00
-5.500	471.493	-4.00	-3.50	471.873	-4.00	2645	+	0.00	8402587.524	290021.929	471.580	472.013	0.43	3.500	471.873	-4.00	5.50	471.493	-4.00
-5.500	471.374	-4.00	-3.50	471.754	-4.00	2646	+	0.00	8402589.416	290002.019	471.569	471.894	0.32	3.500	471.754	-4.00	5.50	471.374	-4.00
-5.500	471.254	-4.00	-3.50	471.634	-4.00	2647	+	0.00	8402591.308	289982.109	471.555	471.774	0.22	3.500	471.634	-4.00	5.50	471.254	-4.00
-5.500	471.134	-4.00	-3.50	471.514	-4.00	2648	+	0.00	8402593.20	289962.198	471.438	471.654	0.22	3.500	471.521	-3.81	5.50	471.144	-3.81
-5.500	471.014	-4.00	-3.50	471.394	-4.00	2649	+	0.00	8402595.092	289942.288	470.964	471.534	0.57	3.500	471.485	-1.41	5.50	471.156	-1.41
-5.500	470.944	-4.00	-3.50	471.324	-4.00	2649	+	11.71	8402596.201	289930.627	470.800	471.464	0.66	3.500	471.464	0.00	5.50	471.164	0.00
-5.500	470.886	-4.00	-3.50	471.266	-4.00	2650	+	0.00	8402596.980	289922.377	470.628	471.406	0.78	3.500	471.441	0.99	5.50	471.160	0.99
-5.500	470.699	-4.00	-3.50	471.079	-4.00	2651	+	0.00	8402598.706	289902.452	470.308	471.219	0.91	3.500	471.338	3.39	5.50	471.105	3.39
-5.500	470.348	-5.79	-3.50	470.763	-5.79	2652	+	0.00	8402599.918	289882.490	469.972	470.966	0.99	3.500	471.169	5.79	5.50	470.984	5.79
-5.500	470.203	-6.60	-3.50	470.635	-6.60	2652	+	6.71	8402600.147	289875.781	469.755	470.866	1.11	3.500	471.097	6.60	5.50	470.929	6.60
-5.500	469.982	-6.60	-3.50	470.414	-6.60	2653	+	0.00	8402600.272	289862.495	469.058	470.645	1.59	3.500	470.876	6.60	5.50	470.708	6.60
-5.500	469.595	-6.60	-3.50	470.027	-6.60	2654	+	0.00	8402599.627	289842.508	468.459	470.258	1.80	3.500	470.489	6.60	5.50	470.321	6.60
-5.500	469.148	-6.60	-3.50	469.580	-6.60	2655	+	0.00	8402597.985	289822.577	467.643	469.811	2.17	3.500	470.042	6.60	5.50	469.874	6.60
-5.500	468.694	-6.60	-3.50	469.126	-6.60	2656	+	0.00	8402595.349	289802.754	466.797	469.357	2.56	3.500	469.588	6.60	5.50	469.420	6.60
-5.500	468.239	-6.60	-3.50	468.671	-6.60	2657	+	0.00	8402591.725	289783.087	465.856	468.902	3.05	3.500	469.133	6.60	5.50	468.965	6.60
-5.500	467.785	-6.60	-3.50	468.217	-6.60	2658	+	0.00	8402587.122	289763.626	465.578	468.448	2.87	3.500	468.679	6.60	5.50	468.511	6.60
-5.500	467.453	-6.60	-3.50	467.885	-6.60	2658	+	14.62	8402583.135	289749.556	465.392	468.116	2.72	3.500	468.347	6.60	5.50	468.179	6.60
-5.500	467.330	-6.60	-3.50	467.762	-6.60	2659	+	0.00	8402581.553	289744.419	465.313	467.993	2.68	3.500	468.224	6.60	5.50	468.056	6.60
-5.500	466.876	-6.60	-3.50	467.308	-6.60	2660	+	0.00	8402575.031	289725.515	465.140	467.539	2.40	3.500	467.770	6.60	5.50	467.602	6.60
-5.500	466.429	-6.60	-3.50	466.861	-6.60	2661	+	0.00	8402567.572	289706.960	465.434	467.092	1.66	3.500	467.323	6.60	5.50	467.155	6.60
-5.500	466.038	-6.60	-3.50	466.470	-6.60	2662	+	0.00	8402559.195	289688.801	465.510	466.701	1.19	3.500	466.932	6.60	5.50	466.764	6.60
-5.500	465.710	-6.60	-3.50	466.142	-6.60	2663	+	0.00	8402549.921	289671.084	465.458	466.373	0.91	3.500	466.604	6.60	5.50	466.436	6.60
-5.500	465.445	-6.60	-3.50	465.877	-6.60	2664	+	0.00	8402539.773	289653.852	465.269	466.108	0.84	3.500	466.339	6.60	5.50	466.171	6.60
-5.500	465.243	-6.60	-3.50	465.675	-6.60	2665	+	0.00	8402528.777	289637.149	465.214	465.906	0.69	3.500	466.137	6.60	5.50	465.969	6.60
-5.500	465.222	-6.60	-3.50	465.654	-6.60	2665	+	2.52	8402527.332	289635.083	465.194	465.885	0.69	3.500	466.116	6.60	5.50	465.948	6.60
-5.500	465.213	-4.50	-3.50	465.603	-4.50	2666	+	0.00	8402516.992	289620.992	465.046	465.760	0.71	3.500	465.918	4.50	5.50	465.708	4.50
-5.500	465.102	-4.00	-3.50	465.482	-4.00	2667	+	0.00	8402504.662	289605.245	464.878	465.622	0.74	3.500	465.696	2.10	5.50	465.438	2.10
-5.500	464.981	-4.00	-3.50	465.361	-4.00	2667	+	17.52	8402493.645	289591.621	464.884	465.501	0.62	3.500	465.501	0.00	5.50	465.201	0.00
-5.500	464.964	-4.00	-3.50	465.344	-4.00	2668	+	0.00	8402492.082	289589.697	464.886	465.484	0.60	3.500	465.474	-0.30	5.50	465.168	-0.30
-5.500	464.825	-4.00	-3.50	465.205	-4.00	2669	+	0.00	8402479.471	289574.174	464.997	465.345	0.35	3.500	465.251	-2.70	5.50	464.897	-2.70
-5.500	464.687	-4.00	-3.50	465.067	-4.00	2670	+	0.00	8402466.860	289558.651	464.910	465.207	0.30	3.500	465.067	-4.00	5.50	464.687	-4.00
-5.500	464.549	-4.00	-3.50	464.929	-4.00	2671	+	0.00	8402454.249	289543.128	464.694	465.069	0.38	3.500	464.929	-4.00	5.50	464.549	-4.00
-5.500	464.510	-2.19	-3.50	464.853	-2.19	2672	+	0.00	8402441.637	289527.606	464.604	464.930	0.33	3.500	464.790	-4.00	5.50	464.410	-4.00
-5.500	464.497	0.00	-3.50	464.797	0.00	2672	+	19.29	8402429.475	289512.636	464.353	464.797	0.44	3.500	464.657	-4.00	5.50	464.277	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	464.496	0.08	-3.50	464.795	0.08	2673	+	0.00	8402429.026	289512.083	464.340	464.792	0.45	3.500	464.652	-4.00	5.50	464.272	-4.00
-5.500	464.484	2.36	-3.50	464.737	2.36	2674	+	0.00	8402416.465	289496.520	463.931	464.654	0.72	3.500	464.514	-4.00	5.50	464.134	-4.00
-5.500	464.470	4.63	-3.50	464.677	4.63	2675	+	0.00	8402404.183	289480.735	463.615	464.515	0.90	3.500	464.353	-4.63	5.50	463.960	-4.63
-5.500	464.459	6.60	-3.50	464.627	6.60	2675	+	17.29	8402394.010	289466.760	463.208	464.396	1.19	3.500	464.165	-6.60	5.50	463.733	-6.60
-5.500	464.440	6.60	-3.50	464.608	6.60	2676	+	0.00	8402392.464	289464.531	463.115	464.377	1.26	3.500	464.146	-6.60	5.50	463.714	-6.60
-5.500	464.302	6.60	-3.50	464.470	6.60	2677	+	0.00	8402381.538	289447.781	462.469	464.239	1.77	3.500	464.008	-6.60	5.50	463.576	-6.60
-5.500	464.164	6.60	-3.50	464.332	6.60	2678	+	0.00	8402371.463	289430.507	461.824	464.101	2.28	3.500	463.870	-6.60	5.50	463.438	-6.60
-5.500	464.025	6.60	-3.50	464.193	6.60	2679	+	0.00	8402362.264	289412.750	461.409	463.962	2.55	3.500	463.731	-6.60	5.50	463.299	-6.60
-5.500	463.887	6.60	-3.50	464.055	6.60	2680	+	0.00	8402353.964	289394.556	460.911	463.824	2.91	3.500	463.593	-6.60	5.50	463.161	-6.60
-5.500	463.856	6.60	-3.50	464.024	6.60	2680	+	4.44	8402352.196	289390.465	461.006	463.793	2.79	3.500	463.562	-6.60	5.50	463.130	-6.60
-5.500	463.749	6.60	-3.50	463.917	6.60	2681	+	0.00	8402346.584	289375.970	460.966	463.686	2.72	3.500	463.455	-6.60	5.50	463.023	-6.60
-5.500	463.610	6.60	-3.50	463.778	6.60	2682	+	0.00	8402340.141	289357.038	460.824	463.547	2.72	3.500	463.316	-6.60	5.50	462.884	-6.60
-5.500	463.472	6.60	-3.50	463.640	6.60	2683	+	0.00	8402334.653	289337.808	460.547	463.409	2.86	3.500	463.178	-6.60	5.50	462.746	-6.60
-5.500	463.334	6.60	-3.50	463.502	6.60	2684	+	0.00	8402330.133	289318.328	460.259	463.271	3.01	3.500	463.040	-6.60	5.50	462.608	-6.60
-5.500	463.254	6.60	-3.50	463.422	6.60	2684	+	11.59	8402327.962	289306.943	460.207	463.191	2.98	3.500	462.960	-6.60	5.50	462.528	-6.60
-5.500	463.142	5.64	-3.50	463.329	5.64	2685	+	0.00	8402326.588	289298.646	460.038	463.132	3.09	3.500	462.935	-5.64	5.50	462.522	-5.64
-5.500	462.879	3.37	-3.50	463.112	3.37	2686	+	0.00	8402323.877	289278.832	459.722	462.994	3.27	3.500	462.854	-4.00	5.50	462.474	-4.00
-5.500	462.616	1.09	-3.50	462.894	1.09	2687	+	0.00	8402321.671	289258.954	459.367	462.856	3.49	3.500	462.716	-4.00	5.50	462.336	-4.00
-5.500	462.490	0.00	-3.50	462.790	0.00	2687	+	9.59	8402320.693	289249.414	459.137	462.790	3.65	3.500	462.650	-4.00	5.50	462.270	-4.00
-5.500	462.353	-1.18	-3.50	462.677	-1.18	2688	+	0.00	8402319.638	289239.058	458.963	462.718	3.76	3.500	462.578	-4.00	5.50	462.198	-4.00
-5.500	462.089	-3.46	-3.50	462.458	-3.46	2689	+	0.00	8402317.611	289219.161	458.743	462.579	3.84	3.500	462.439	-4.00	5.50	462.059	-4.00
-5.500	461.921	-4.00	-3.50	462.301	-4.00	2690	+	0.00	8402315.584	289199.264	458.539	462.441	3.90	3.500	462.301	-4.00	5.50	461.921	-4.00
-5.500	461.783	-4.00	-3.50	462.163	-4.00	2691	+	0.00	8402313.557	289179.367	458.443	462.303	3.86	3.500	462.163	-4.00	5.50	461.783	-4.00
-5.500	461.644	-4.00	-3.50	462.024	-4.00	2692	+	0.00	8402311.530	289159.470	458.311	462.164	3.85	3.500	462.024	-4.00	5.50	461.644	-4.00
-5.500	461.506	-4.00	-3.50	461.886	-4.00	2693	+	0.00	8402309.503	289139.573	458.284	462.026	3.74	3.500	461.886	-4.00	5.50	461.506	-4.00
-5.500	461.368	-4.00	-3.50	461.748	-4.00	2694	+	0.00	8402307.477	289119.676	458.308	461.888	3.58	3.500	461.748	-4.00	5.50	461.368	-4.00
-5.500	461.229	-4.00	-3.50	461.609	-4.00	2695	+	0.00	8402305.450	289099.779	458.454	461.749	3.30	3.500	461.609	-4.00	5.50	461.229	-4.00
-5.500	461.091	-4.00	-3.50	461.471	-4.00	2696	+	0.00	8402303.423	289079.882	458.451	461.611	3.16	3.500	461.471	-4.00	5.50	461.091	-4.00
-5.500	460.953	-4.00	-3.50	461.333	-4.00	2697	+	0.00	8402301.396	289059.985	458.401	461.473	3.07	3.500	461.333	-4.00	5.50	460.953	-4.00
-5.500	460.815	-4.00	-3.50	461.195	-4.00	2698	+	0.00	8402299.369	289040.088	458.223	461.335	3.11	3.500	461.195	-4.00	5.50	460.815	-4.00
-5.500	460.676	-4.00	-3.50	461.056	-4.00	2699	+	0.00	8402297.342	289020.190	458.321	461.196	2.88	3.500	461.056	-4.00	5.50	460.676	-4.00
-5.500	460.538	-4.00	-3.50	460.918	-4.00	2700	+	0.00	8402295.315	289000.293	458.084	461.058	2.97	3.500	460.918	-4.00	5.50	460.538	-4.00
-5.500	460.400	-4.00	-3.50	460.780	-4.00	2701	+	0.00	8402293.288	288980.396	458.179	460.920	2.74	3.500	460.780	-4.00	5.50	460.400	-4.00
-5.500	460.261	-4.00	-3.50	460.641	-4.00	2702	+	0.00	8402291.261	288960.499	457.914	460.781	2.87	3.500	460.641	-4.00	5.50	460.261	-4.00
-5.500	460.123	-4.00	-3.50	460.503	-4.00	2703	+	0.00	8402289.235	288940.602	457.938	460.643	2.70	3.500	460.503	-4.00	5.50	460.123	-4.00
-5.500	459.985	-4.00	-3.50	460.365	-4.00	2704	+	0.00	8402287.208	288920.705	457.917	460.505	2.59	3.500	460.365	-4.00	5.50	459.985	-4.00
-5.500	459.846	-4.00	-3.50	460.226	-4.00	2705	+	0.00	8402285.181	288900.808	457.650	460.366	2.72	3.500	460.274	-2.62	5.50	459.922	-2.62
-5.500	459.708	-4.00	-3.50	460.088	-4.00	2706	+	0.00	8402283.154	288880.911	457.450	460.228	2.78	3.500	460.216	-0.35	5.50	459.909	-0.35
-5.500	459.687	-4.00	-3.50	460.067	-4.00	2706	+	3.07	8402282.843	288877.862	457.438	460.207	2.77	3.500	460.207	0.00	5.50	459.907	0.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	459.570	-4.00	-3.50	459.950	-4.00	2707	+	0.00	8402281.092	288861.018	457.287	460.090	2.80	3.500	460.158	1.93	5.50	459.896	1.93
-5.500	459.427	-4.20	-3.50	459.811	-4.20	2708	+	0.00	8402278.740	288841.157	457.254	459.958	2.70	3.500	460.105	4.20	5.50	459.889	4.20
-5.500	459.216	-6.48	-3.50	459.645	-6.48	2709	+	0.00	8402275.757	288821.382	457.271	459.872	2.60	3.500	460.099	6.48	5.50	459.928	6.48
-5.500	459.206	-6.60	-3.50	459.638	-6.60	2709	+	1.07	8402275.574	288820.333	457.266	459.869	2.60	3.500	460.100	6.60	5.50	459.932	6.60
-5.500	459.174	-6.60	-3.50	459.606	-6.60	2710	+	0.00	8402271.856	288801.769	457.281	459.837	2.56	3.500	460.068	6.60	5.50	459.900	6.60
-5.500	459.176	-6.60	-3.50	459.608	-6.60	2710	+	8.96	8402269.066	288793.226	457.308	459.839	2.53	3.500	460.070	6.60	5.50	459.902	6.60
-5.500	459.192	-6.60	-3.50	459.624	-6.60	2711	+	0.00	8402266.979	288782.374	457.331	459.855	2.52	3.500	460.086	6.60	5.50	459.918	6.60
-5.500	459.247	-6.60	-3.50	459.679	-6.60	2711	+	16.85	8402262.122	288766.240	457.403	459.910	2.51	3.500	460.141	6.60	5.50	459.973	6.60
-5.500	459.281	-6.24	-3.50	459.706	-6.24	2712	+	0.00	8402261.139	288763.248	457.424	459.924	2.50	3.500	460.142	6.24	5.50	459.967	6.24
-5.500	459.519	-4.00	-3.50	459.899	-4.00	2713	+	0.00	8402254.434	288744.407	457.637	460.039	2.40	3.500	460.178	3.97	5.50	459.957	3.97
-5.500	459.641	-4.00	-3.50	460.021	-4.00	2714	+	0.00	8402247.165	288725.775	457.934	460.161	2.23	3.500	460.220	1.69	5.50	459.954	1.69
-5.500	459.731	-4.00	-3.50	460.111	-4.00	2714	+	14.85	8402241.596	288712.007	458.300	460.251	1.95	3.500	460.251	0.00	5.50	459.951	0.00
-5.500	459.762	-4.00	-3.50	460.142	-4.00	2715	+	0.00	8402239.658	288707.238	458.372	460.282	1.91	3.500	460.261	-0.59	5.50	459.950	-0.59
-5.500	459.884	-4.00	-3.50	460.264	-4.00	2716	+	0.00	8402232.128	288688.709	458.589	460.404	1.82	3.500	460.304	-2.86	5.50	459.947	-2.86
-5.500	460.005	-4.00	-3.50	460.385	-4.00	2717	+	0.00	8402224.599	288670.180	458.937	460.525	1.59	3.500	460.385	-4.00	5.50	460.005	-4.00
-5.500	460.126	-4.00	-3.50	460.506	-4.00	2718	+	0.00	8402217.069	288651.652	459.128	460.646	1.52	3.500	460.506	-4.00	5.50	460.126	-4.00
-5.500	460.248	-4.00	-3.50	460.628	-4.00	2719	+	0.00	8402209.540	288633.123	459.084	460.768	1.68	3.500	460.628	-4.00	5.50	460.248	-4.00
-5.500	460.369	-4.00	-3.50	460.749	-4.00	2720	+	0.00	8402202.010	288614.595	459.153	460.889	1.74	3.500	460.749	-4.00	5.50	460.369	-4.00
-5.500	460.491	-4.00	-3.50	460.871	-4.00	2721	+	0.00	8402194.481	288596.066	459.151	461.011	1.86	3.500	460.871	-4.00	5.50	460.491	-4.00
-5.500	460.612	-4.00	-3.50	460.992	-4.00	2722	+	0.00	8402186.952	288577.538	459.313	461.132	1.82	3.500	460.992	-4.00	5.50	460.612	-4.00
-5.500	460.734	-4.00	-3.50	461.114	-4.00	2723	+	0.00	8402179.422	288559.009	459.491	461.254	1.76	3.500	461.114	-4.00	5.50	460.734	-4.00
-5.500	460.855	-4.00	-3.50	461.235	-4.00	2724	+	0.00	8402171.893	288540.481	459.485	461.375	1.89	3.500	461.235	-4.00	5.50	460.855	-4.00
-5.500	460.976	-4.00	-3.50	461.356	-4.00	2725	+	0.00	8402164.363	288521.952	459.506	461.496	1.99	3.500	461.356	-4.00	5.50	460.976	-4.00
-5.500	461.098	-4.00	-3.50	461.478	-4.00	2726	+	0.00	8402156.834	288503.423	460.035	461.618	1.58	3.500	461.478	-4.00	5.50	461.098	-4.00
-5.500	461.219	-4.00	-3.50	461.599	-4.00	2727	+	0.00	8402149.304	288484.895	459.939	461.739	1.80	3.500	461.599	-4.00	5.50	461.219	-4.00
-5.500	461.341	-4.00	-3.50	461.721	-4.00	2728	+	0.00	8402141.775	288466.366	460.160	461.861	1.70	3.500	461.752	-3.11	5.50	461.390	-3.11
-5.500	461.462	-4.00	-3.50	461.842	-4.00	2729	+	0.00	8402134.246	288447.838	460.613	461.982	1.37	3.500	461.953	-0.83	5.50	461.636	-0.83
-5.500	461.506	-4.00	-3.50	461.886	-4.00	2729	+	7.29	8402131.502	288441.085	460.858	462.026	1.17	3.500	462.026	0.00	5.50	461.726	0.00
-5.500	461.584	-4.00	-3.50	461.964	-4.00	2730	+	0.00	8402126.703	288429.315	461.278	462.104	0.83	3.500	462.155	1.45	5.50	461.884	1.45
-5.500	461.705	-4.00	-3.50	462.085	-4.00	2731	+	0.00	8402118.955	288410.877	461.591	462.225	0.63	3.500	462.355	3.72	5.50	462.130	3.72
-5.500	461.716	-6.00	-3.50	462.136	-6.00	2732	+	0.00	8402110.690	288392.665	461.569	462.346	0.78	3.500	462.556	6.00	5.50	462.376	6.00
-5.500	461.716	-6.60	-3.50	462.148	-6.60	2732	+	5.29	8402108.380	288387.908	461.212	462.379	1.17	3.500	462.610	6.60	5.50	462.442	6.60
-5.500	461.805	-6.60	-3.50	462.237	-6.60	2733	+	0.00	8402101.628	288374.839	460.868	462.468	1.60	3.500	462.699	6.60	5.50	462.531	6.60
-5.500	461.926	-6.60	-3.50	462.358	-6.60	2734	+	0.00	8402091.686	288357.487	460.475	462.589	2.11	3.500	462.820	6.60	5.50	462.652	6.60
-5.500	461.942	-6.60	-3.50	462.374	-6.60	2734	+	2.67	8402090.280	288355.236	460.451	462.605	2.15	3.500	462.836	6.60	5.50	462.668	6.60
-5.500	462.048	-6.60	-3.50	462.480	-6.60	2735	+	0.00	8402080.891	288340.653	460.441	462.711	2.27	3.500	462.942	6.60	5.50	462.774	6.60
-5.500	462.169	-6.60	-3.50	462.601	-6.60	2736	+	0.00	8402069.267	288324.381	460.418	462.832	2.41	3.500	463.063	6.60	5.50	462.895	6.60
-5.500	462.169	-6.60	-3.50	462.601	-6.60	2736	+	0.05	8402069.239	288324.344	460.418	462.832	2.41	3.500	463.063	6.60	5.50	462.895	6.60
-5.500	462.416	-4.33	-3.50	462.802	-4.33	2737	+	0.00	8402056.889	288308.673	460.445	462.954	2.51	3.500	463.106	4.33	5.50	462.892	4.33

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	462.555	-4.00	-3.50	462.935	-4.00	2738	+	0.00	8402044.001	288293.379	460.482	463.075	2.59	3.500	463.147	2.05	5.50	462.888	2.05
-5.500	462.665	-4.00	-3.50	463.045	-4.00	2738	+	18.05	8402032.163	288279.759	460.582	463.185	2.60	3.500	463.185	0.00	5.50	462.885	0.00
-5.500	462.676	-4.00	-3.50	463.056	-4.00	2739	+	0.00	8402030.878	288278.288	460.602	463.196	2.59	3.500	463.188	-0.22	5.50	462.884	-0.22
-5.500	462.798	-4.00	-3.50	463.178	-4.00	2740	+	0.00	8402017.722	288263.223	460.965	463.318	2.35	3.500	463.231	-2.50	5.50	462.881	-2.50
-5.500	462.919	-4.00	-3.50	463.299	-4.00	2741	+	0.00	8402004.566	288248.159	461.769	463.439	1.67	3.500	463.299	-4.00	5.50	462.919	-4.00
-5.500	463.041	-4.00	-3.50	463.421	-4.00	2742	+	0.00	8401991.410	288233.095	462.233	463.561	1.33	3.500	463.421	-4.00	5.50	463.041	-4.00
-5.500	463.162	-4.00	-3.50	463.542	-4.00	2743	+	0.00	8401978.255	288218.031	462.583	463.682	1.10	3.500	463.542	-4.00	5.50	463.162	-4.00
-5.500	463.284	-4.00	-3.50	463.664	-4.00	2744	+	0.00	8401965.099	288202.967	463.208	463.804	0.60	3.500	463.664	-4.00	5.50	463.284	-4.00
-5.500	463.405	-4.00	-3.50	463.785	-4.00	2745	+	0.00	8401951.943	288187.903	463.256	463.925	0.67	3.500	463.785	-4.00	5.50	463.405	-4.00
-5.500	463.526	-4.00	-3.50	463.906	-4.00	2746	+	0.00	8401938.787	288172.839	463.203	464.046	0.84	3.500	463.906	-4.00	5.50	463.526	-4.00
-5.500	463.648	-4.00	-3.50	464.028	-4.00	2747	+	0.00	8401925.632	288157.775	463.336	464.168	0.83	3.500	464.028	-4.00	5.50	463.648	-4.00
-5.500	463.769	-4.00	-3.50	464.149	-4.00	2748	+	0.00	8401912.476	288142.711	463.633	464.289	0.66	3.500	464.149	-4.00	5.50	463.769	-4.00
-5.500	463.891	-4.00	-3.50	464.271	-4.00	2749	+	0.00	8401899.320	288127.647	463.882	464.411	0.53	3.500	464.271	-4.00	5.50	463.891	-4.00
-5.500	464.012	-4.00	-3.50	464.392	-4.00	2750	+	0.00	8401886.164	288112.583	464.340	464.532	0.19	3.500	464.392	-4.00	5.50	464.012	-4.00
-5.500	464.134	-4.00	-3.50	464.514	-4.00	2751	+	0.00	8401873.009	288097.519	464.849	464.654	-0.19	3.500	464.514	-4.00	5.50	464.134	-4.00
-5.500	464.255	-4.00	-3.50	464.635	-4.00	2752	+	0.00	8401859.853	288082.454	464.082	464.775	0.69	3.500	464.635	-4.00	5.50	464.255	-4.00
-5.500	464.376	-4.00	-3.50	464.756	-4.00	2753	+	0.00	8401846.697	288067.390	463.814	464.896	1.08	3.500	464.756	-4.00	5.50	464.376	-4.00
-5.500	464.498	-4.00	-3.50	464.878	-4.00	2754	+	0.00	8401833.542	288052.326	463.896	465.018	1.12	3.500	464.878	-4.00	5.50	464.498	-4.00
-5.500	464.626	-3.87	-3.50	465.004	-3.87	2755	+	0.00	8401820.386	288037.262	463.849	465.139	1.29	3.500	464.999	-4.00	5.50	464.619	-4.00
-5.500	464.898	-1.14	-3.50	465.221	-1.14	2756	+	0.00	8401807.230	288022.198	464.024	465.261	1.24	3.500	465.121	-4.00	5.50	464.741	-4.00
-5.500	465.169	1.59	-3.50	465.438	1.59	2757	+	0.00	8401794.074	288007.134	463.945	465.382	1.44	3.500	465.242	-4.00	5.50	464.862	-4.00
-5.500	465.191	1.80	-3.50	465.455	1.80	2757	+	1.57	8401793.040	288005.949	463.964	465.392	1.43	3.500	465.252	-4.00	5.50	464.872	-4.00
-5.500	465.441	4.31	-3.50	465.655	4.31	2758	+	0.00	8401781.103	287991.912	464.251	465.504	1.25	3.500	465.353	-4.31	5.50	464.967	-4.31
-5.500	465.573	4.50	-3.50	465.783	4.50	2759	+	0.00	8401768.570	287976.327	464.628	465.625	1.00	3.500	465.468	-4.50	5.50	465.078	-4.50
-5.500	465.694	4.50	-3.50	465.904	4.50	2760	+	0.00	8401756.487	287960.390	464.957	465.746	0.79	3.500	465.589	-4.50	5.50	465.199	-4.50
-5.500	465.701	4.50	-3.50	465.911	4.50	2760	+	1.06	8401755.851	287959.540	464.973	465.753	0.78	3.500	465.596	-4.50	5.50	465.206	-4.50
-5.500	465.816	4.50	-3.50	466.026	4.50	2761	+	0.00	8401744.865	287944.114	465.134	465.868	0.73	3.500	465.711	-4.50	5.50	465.321	-4.50
-5.500	465.937	4.50	-3.50	466.147	4.50	2762	+	0.00	8401733.712	287927.513	465.398	465.989	0.59	3.500	465.832	-4.50	5.50	465.442	-4.50
-5.500	465.914	1.87	-3.50	466.176	1.87	2763	+	0.00	8401723.039	287910.60	465.490	466.111	0.62	3.500	465.971	-4.00	5.50	465.591	-4.00
-5.500	465.913	1.80	-3.50	466.177	1.80	2763	+	0.54	8401722.759	287910.143	465.489	466.114	0.63	3.500	465.974	-4.00	5.50	465.594	-4.00
-5.500	465.885	-0.85	-3.50	466.202	-0.85	2764	+	0.00	8401712.620	287893.528	465.535	466.232	0.70	3.500	466.092	-4.00	5.50	465.712	-4.00
-5.500	465.857	-3.58	-3.50	466.229	-3.58	2765	+	0.00	8401702.202	287876.456	465.712	466.354	0.64	3.500	466.214	-4.00	5.50	465.834	-4.00
-5.500	465.955	-4.00	-3.50	466.335	-4.00	2766	+	0.00	8401691.783	287859.384	465.730	466.475	0.75	3.500	466.335	-4.00	5.50	465.955	-4.00
-5.500	466.076	-4.00	-3.50	466.456	-4.00	2767	+	0.00	8401681.365	287842.312	465.878	466.596	0.72	3.500	466.456	-4.00	5.50	466.076	-4.00
-5.500	466.198	-4.00	-3.50	466.578	-4.00	2768	+	0.00	8401670.946	287825.240	466.069	466.718	0.65	3.500	466.578	-4.00	5.50	466.198	-4.00
-5.500	466.319	-4.00	-3.50	466.699	-4.00	2769	+	0.00	8401660.528	287808.168	466.434	466.839	0.40	3.500	466.699	-4.00	5.50	466.319	-4.00
-5.500	466.441	-4.00	-3.50	466.821	-4.00	2770	+	0.00	8401650.110	287791.096	466.671	466.961	0.29	3.500	466.821	-4.00	5.50	466.441	-4.00
-5.500	466.562	-4.00	-3.50	466.942	-4.00	2771	+	0.00	8401639.691	287774.024	466.741	467.082	0.34	3.500	466.942	-4.00	5.50	466.562	-4.00
-5.500	466.684	-4.00	-3.50	467.064	-4.00	2772	+	0.00	8401629.273	287756.952	466.791	467.204	0.41	3.500	467.064	-4.00	5.50	466.684	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	466.805	-4.00	-3.50	467.185	-4.00	2773	+	0.00	8401618.854	287739.880	466.862	467.325	0.46	3.500	467.185	-4.00	5.50	466.805	-4.00
-5.500	466.926	-4.00	-3.50	467.306	-4.00	2774	+	0.00	8401608.436	287722.807	466.826	467.446	0.62	3.500	467.306	-4.00	5.50	466.926	-4.00
-5.500	467.048	-4.00	-3.50	467.428	-4.00	2775	+	0.00	8401598.017	287705.735	466.664	467.568	0.90	3.500	467.428	-4.00	5.50	467.048	-4.00
-5.500	467.215	-3.17	-3.50	467.578	-3.17	2776	+	0.00	8401587.599	287688.663	466.573	467.689	1.12	3.500	467.549	-4.00	5.50	467.169	-4.00
-5.500	467.458	-0.44	-3.50	467.767	-0.44	2777	+	0.00	8401577.181	287671.591	466.571	467.782	1.21	3.500	467.642	-4.00	5.50	467.262	-4.00
-5.500	467.585	1.80	-3.50	467.849	1.80	2777	+	16.42	8401568.625	287657.571	466.582	467.786	1.20	3.500	467.646	-4.00	5.50	467.266	-4.00
-5.500	467.604	2.29	-3.50	467.858	2.29	2778	+	0.00	8401566.770	287654.514	466.563	467.778	1.22	3.500	467.638	-4.00	5.50	467.258	-4.00
-5.500	467.621	4.50	-3.50	467.831	4.50	2779	+	0.00	8401556.685	287637.244	466.497	467.673	1.18	3.500	467.516	-4.50	5.50	467.126	-4.50
-5.500	467.415	4.50	-3.50	467.625	4.50	2780	+	0.00	8401547.097	287619.693	466.390	467.467	1.08	3.500	467.310	-4.50	5.50	466.920	-4.50
-5.500	467.109	4.50	-3.50	467.319	4.50	2781	+	0.00	8401538.015	287601.874	466.020	467.161	1.14	3.500	467.004	-4.50	5.50	466.614	-4.50
-5.500	466.870	4.50	-3.50	467.080	4.50	2781	+	12.34	8401532.657	287590.740	465.413	466.922	1.51	3.500	466.765	-4.50	5.50	466.375	-4.50
-5.500	466.702	4.50	-3.50	466.912	4.50	2782	+	0.00	8401529.446	287583.804	464.853	466.754	1.90	3.500	466.597	-4.50	5.50	466.207	-4.50
-5.500	466.195	4.50	-3.50	466.405	4.50	2783	+	0.00	8401521.396	287565.496	462.636	466.247	3.61	3.500	466.090	-4.50	5.50	465.700	-4.50
-5.500	465.590	4.50	-3.50	465.800	4.50	2784	+	0.00	8401513.873	287546.966	461.178	465.642	4.46	3.500	465.485	-4.50	5.50	465.095	-4.50
-5.500	464.869	2.93	-3.50	465.111	2.93	2785	+	0.00	8401506.881	287528.228	460.200	465.008	4.81	3.500	464.868	-4.00	5.50	464.488	-4.00
-5.500	464.546	1.80	-3.50	464.810	1.80	2785	+	8.26	8401504.150	287520.430	459.903	464.747	4.84	3.500	464.607	-4.00	5.50	464.227	-4.00
-5.500	464.086	0.20	-3.50	464.382	0.20	2786	+	0.00	8401500.335	287509.330	459.563	464.375	4.81	3.500	464.235	-4.00	5.50	463.855	-4.00
-5.500	463.303	-2.53	-3.50	463.653	-2.53	2787	+	0.00	8401493.835	287490.416	459.151	463.742	4.59	3.500	463.602	-4.00	5.50	463.222	-4.00
-5.500	462.588	-4.00	-3.50	462.968	-4.00	2788	+	0.00	8401487.335	287471.502	458.815	463.108	4.29	3.500	462.968	-4.00	5.50	462.588	-4.00
-5.500	461.955	-4.00	-3.50	462.335	-4.00	2789	+	0.00	8401480.835	287452.587	458.515	462.475	3.96	3.500	462.335	-4.00	5.50	461.955	-4.00
-5.500	461.322	-4.00	-3.50	461.702	-4.00	2790	+	0.00	8401474.335	287433.673	458.219	461.842	3.62	3.500	461.702	-4.00	5.50	461.322	-4.00
-5.500	460.688	-4.00	-3.50	461.068	-4.00	2791	+	0.00	8401467.835	287414.759	457.982	461.208	3.23	3.500	461.068	-4.00	5.50	460.688	-4.00
-5.500	460.083	-4.00	-3.50	460.463	-4.00	2792	+	0.00	8401461.335	287395.845	457.835	460.603	2.77	3.500	460.463	-4.00	5.50	460.083	-4.00
-5.500	459.572	-4.00	-3.50	459.952	-4.00	2793	+	0.00	8401454.835	287376.930	457.710	460.092	2.38	3.500	459.952	-4.00	5.50	459.572	-4.00
-5.500	459.159	-4.00	-3.50	459.539	-4.00	2794	+	0.00	8401448.335	287358.016	457.681	459.679	2.00	3.500	459.539	-4.00	5.50	459.159	-4.00
-5.500	458.845	-4.00	-3.50	459.225	-4.00	2795	+	0.00	8401441.835	287339.102	457.624	459.365	1.74	3.500	459.225	-4.00	5.50	458.845	-4.00
-5.500	458.629	-4.00	-3.50	459.009	-4.00	2796	+	0.00	8401435.334	287320.188	457.590	459.149	1.56	3.500	459.009	-4.00	5.50	458.629	-4.00
-5.500	458.511	-4.00	-3.50	458.891	-4.00	2797	+	0.00	8401428.834	287301.273	457.605	459.031	1.43	3.500	458.891	-4.00	5.50	458.511	-4.00
-5.500	458.491	-4.00	-3.50	458.871	-4.00	2798	+	0.00	8401422.334	287282.359	457.476	459.011	1.54	3.500	458.871	-4.00	5.50	458.491	-4.00
-5.500	458.566	-4.00	-3.50	458.946	-4.00	2799	+	0.00	8401415.834	287263.445	457.448	459.086	1.64	3.500	458.946	-4.00	5.50	458.566	-4.00
-5.500	458.669	-4.00	-3.50	459.049	-4.00	2800	+	0.00	8401409.334	287244.531	457.434	459.189	1.76	3.500	459.049	-4.00	5.50	458.669	-4.00
-5.500	458.772	-4.00	-3.50	459.152	-4.00	2801	+	0.00	8401402.834	287225.616	457.447	459.292	1.84	3.500	459.152	-4.00	5.50	458.772	-4.00
-5.500	458.875	-4.00	-3.50	459.255	-4.00	2802	+	0.00	8401396.334	287206.702	457.397	459.395	2.00	3.500	459.255	-4.00	5.50	458.875	-4.00
-5.500	458.959	-4.00	-3.50	459.339	-4.00	2802	+	16.38	8401391.011	287191.212	457.358	459.479	2.12	3.500	459.339	-4.00	5.50	458.959	-4.00
-5.500	458.978	-4.00	-3.50	459.358	-4.00	2803	+	0.00	8401389.836	287187.787	457.366	459.498	2.13	3.500	459.358	-4.00	5.50	458.978	-4.00
-5.500	459.081	-4.00	-3.50	459.461	-4.00	2804	+	0.00	8401383.415	287168.846	457.369	459.601	2.23	3.500	459.461	-4.00	5.50	459.081	-4.00
-5.500	459.184	-4.00	-3.50	459.564	-4.00	2805	+	0.00	8401377.111	287149.866	457.388	459.704	2.32	3.500	459.564	-4.00	5.50	459.184	-4.00
-5.500	459.286	-4.00	-3.50	459.666	-4.00	2806	+	0.00	8401370.924	287130.847	457.373	459.806	2.43	3.500	459.666	-4.00	5.50	459.286	-4.00
-5.500	459.389	-4.00	-3.50	459.769	-4.00	2807	+	0.00	8401364.854	287111.790	457.303	459.909	2.61	3.500	459.769	-4.00	5.50	459.389	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	459.492	-4.00	-3.50	459.872	-4.00	2808	+	0.00	8401358.901	287092.696	457.286	460.012	2.73	3.500	459.872	-4.00	5.50	459.492	-4.00
-5.500	459.595	-4.00	-3.50	459.975	-4.00	2809	+	0.00	8401353.066	287073.567	457.173	460.115	2.94	3.500	459.975	-4.00	5.50	459.595	-4.00
-5.500	459.698	-4.00	-3.50	460.078	-4.00	2810	+	0.00	8401347.349	287054.401	456.979	460.218	3.24	3.500	460.078	-4.00	5.50	459.698	-4.00
-5.500	459.801	-4.00	-3.50	460.181	-4.00	2811	+	0.00	8401341.750	287035.201	456.915	460.321	3.41	3.500	460.181	-4.00	5.50	459.801	-4.00
-5.500	459.879	-4.00	-3.50	460.259	-4.00	2811	+	15.28	8401337.564	287020.510	456.921	460.399	3.48	3.500	460.259	-4.00	5.50	459.879	-4.00
-5.500	459.904	-4.00	-3.50	460.284	-4.00	2812	+	0.00	8401336.269	287015.967	456.886	460.424	3.54	3.500	460.284	-4.00	5.50	459.904	-4.00
-5.500	460.006	-4.00	-3.50	460.386	-4.00	2813	+	0.00	8401330.907	286996.699	456.854	460.526	3.67	3.500	460.386	-4.00	5.50	460.006	-4.00
-5.500	460.109	-4.00	-3.50	460.489	-4.00	2814	+	0.00	8401325.663	286977.399	457.217	460.629	3.41	3.500	460.489	-4.00	5.50	460.109	-4.00
-5.500	460.212	-4.00	-3.50	460.592	-4.00	2815	+	0.00	8401320.538	286958.066	457.726	460.732	3.01	3.500	460.592	-4.00	5.50	460.212	-4.00
-5.500	460.315	-4.00	-3.50	460.695	-4.00	2816	+	0.00	8401315.532	286938.703	458.365	460.835	2.47	3.500	460.695	-4.00	5.50	460.315	-4.00
-5.500	460.418	-4.00	-3.50	460.798	-4.00	2817	+	0.00	8401310.646	286919.309	458.955	460.938	1.98	3.500	460.798	-4.00	5.50	460.418	-4.00
-5.500	460.521	-4.00	-3.50	460.901	-4.00	2818	+	0.00	8401305.879	286899.886	459.099	461.041	1.94	3.500	460.901	-4.00	5.50	460.521	-4.00
-5.500	460.624	-4.00	-3.50	461.004	-4.00	2819	+	0.00	8401301.231	286880.433	459.299	461.144	1.85	3.500	461.004	-4.00	5.50	460.624	-4.00
-5.500	460.726	-4.00	-3.50	461.106	-4.00	2820	+	0.00	8401296.704	286860.952	459.362	461.246	1.88	3.500	461.106	-4.00	5.50	460.726	-4.00
-5.500	460.799	-4.00	-3.50	461.179	-4.00	2820	+	14.18	8401293.565	286847.121	459.395	461.319	1.92	3.500	461.179	-4.00	5.50	460.799	-4.00
-5.500	460.829	-4.00	-3.50	461.209	-4.00	2821	+	0.00	8401292.291	286841.445	459.362	461.349	1.99	3.500	461.209	-4.00	5.50	460.829	-4.00
-5.500	460.932	-4.00	-3.50	461.312	-4.00	2822	+	0.00	8401287.908	286821.931	459.436	461.452	2.02	3.500	461.312	-4.00	5.50	460.932	-4.00
-5.500	461.035	-4.00	-3.50	461.415	-4.00	2823	+	0.00	8401283.526	286802.418	459.512	461.555	2.04	3.500	461.415	-4.00	5.50	461.035	-4.00
-5.500	461.138	-4.00	-3.50	461.518	-4.00	2824	+	0.00	8401279.143	286782.904	459.497	461.658	2.16	3.500	461.518	-4.00	5.50	461.138	-4.00
-5.500	461.241	-4.00	-3.50	461.621	-4.00	2825	+	0.00	8401274.760	286763.390	459.365	461.761	2.40	3.500	461.621	-4.00	5.50	461.241	-4.00
-5.500	461.344	-4.00	-3.50	461.724	-4.00	2826	+	0.00	8401270.378	286743.876	459.262	461.864	2.60	3.500	461.724	-4.00	5.50	461.344	-4.00
-5.500	461.446	-4.00	-3.50	461.826	-4.00	2827	+	0.00	8401265.995	286724.362	459.267	461.966	2.70	3.500	461.826	-4.00	5.50	461.446	-4.00
-5.500	461.544	-4.00	-3.50	461.924	-4.00	2828	+	0.00	8401261.613	286704.848	459.160	462.064	2.90	3.500	461.924	-4.00	5.50	461.544	-4.00
-5.500	461.605	-4.00	-3.50	461.985	-4.00	2829	+	0.00	8401257.230	286685.334	458.987	462.125	3.14	3.500	461.985	-4.00	5.50	461.605	-4.00
-5.500	461.623	-4.00	-3.50	462.003	-4.00	2830	+	0.00	8401252.847	286665.820	459.092	462.143	3.05	3.500	462.003	-4.00	5.50	461.623	-4.00
-5.500	461.600	-4.00	-3.50	461.980	-4.00	2831	+	0.00	8401248.465	286646.306	458.989	462.120	3.13	3.500	461.980	-4.00	5.50	461.600	-4.00
-5.500	461.535	-4.00	-3.50	461.915	-4.00	2832	+	0.00	8401244.082	286626.792	459.200	462.055	2.86	3.500	461.915	-4.00	5.50	461.535	-4.00
-5.500	461.432	-4.00	-3.50	461.812	-4.00	2833	+	0.00	8401239.70	286607.278	459.165	461.952	2.79	3.500	461.812	-4.00	5.50	461.432	-4.00
-5.500	461.325	-4.00	-3.50	461.705	-4.00	2834	+	0.00	8401235.317	286587.765	459.070	461.845	2.78	3.500	461.705	-4.00	5.50	461.325	-4.00
-5.500	461.217	-4.00	-3.50	461.597	-4.00	2835	+	0.00	8401230.934	286568.251	459.152	461.737	2.59	3.500	461.597	-4.00	5.50	461.217	-4.00
-5.500	461.109	-4.00	-3.50	461.489	-4.00	2836	+	0.00	8401226.552	286548.737	459.027	461.629	2.60	3.500	461.489	-4.00	5.50	461.109	-4.00
-5.500	461.002	-4.00	-3.50	461.382	-4.00	2837	+	0.00	8401222.169	286529.223	459.094	461.522	2.43	3.500	461.382	-4.00	5.50	461.002	-4.00
-5.500	460.894	-4.00	-3.50	461.274	-4.00	2838	+	0.00	8401217.787	286509.709	459.178	461.414	2.24	3.500	461.274	-4.00	5.50	460.894	-4.00
-5.500	460.787	-4.00	-3.50	461.167	-4.00	2839	+	0.00	8401213.404	286490.195	459.224	461.307	2.08	3.500	461.167	-4.00	5.50	460.787	-4.00
-5.500	460.679	-4.00	-3.50	461.059	-4.00	2840	+	0.00	8401209.021	286470.681	458.990	461.199	2.21	3.500	461.059	-4.00	5.50	460.679	-4.00
-5.500	460.572	-4.00	-3.50	460.952	-4.00	2841	+	0.00	8401204.639	286451.167	458.921	461.092	2.17	3.500	460.952	-4.00	5.50	460.572	-4.00
-5.500	460.464	-4.00	-3.50	460.844	-4.00	2842	+	0.00	8401200.256	286431.653	458.894	460.984	2.09	3.500	460.844	-4.00	5.50	460.464	-4.00
-5.500	460.356	-4.00	-3.50	460.736	-4.00	2843	+	0.00	8401195.874	286412.139	458.895	460.876	1.98	3.500	460.736	-4.00	5.50	460.356	-4.00
-5.500	460.249	-4.00	-3.50	460.629	-4.00	2844	+	0.00	8401191.491	286392.625	458.962	460.769	1.81	3.500	460.629	-4.00	5.50	460.249	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	460.141	-4.00	-3.50	460.521	-4.00	2845	+	0.00	8401187.108	286373.111	458.885	460.661	1.78	3.500	460.521	-4.00	5.50	460.141	-4.00
-5.500	460.034	-4.00	-3.50	460.414	-4.00	2846	+	0.00	8401182.726	286353.598	459.000	460.554	1.55	3.500	460.414	-4.00	5.50	460.034	-4.00
-5.500	459.926	-4.00	-3.50	460.306	-4.00	2847	+	0.00	8401178.343	286334.084	459.113	460.446	1.33	3.500	460.306	-4.00	5.50	459.926	-4.00
-5.500	459.818	-4.00	-3.50	460.198	-4.00	2848	+	0.00	8401173.961	286314.570	459.156	460.338	1.18	3.500	460.198	-4.00	5.50	459.818	-4.00
-5.500	459.711	-4.00	-3.50	460.091	-4.00	2849	+	0.00	8401169.578	286295.056	459.212	460.231	1.02	3.500	460.091	-4.00	5.50	459.711	-4.00
-5.500	459.603	-4.00	-3.50	459.983	-4.00	2850	+	0.00	8401165.195	286275.542	459.058	460.123	1.07	3.500	459.983	-4.00	5.50	459.603	-4.00
-5.500	459.496	-4.00	-3.50	459.876	-4.00	2851	+	0.00	8401160.813	286256.028	458.867	460.016	1.15	3.500	459.876	-4.00	5.50	459.496	-4.00
-5.500	459.388	-4.00	-3.50	459.768	-4.00	2852	+	0.00	8401156.430	286236.514	458.302	459.908	1.61	3.500	459.768	-4.00	5.50	459.388	-4.00
-5.500	459.281	-4.00	-3.50	459.661	-4.00	2853	+	0.00	8401152.048	286217.0	457.971	459.801	1.83	3.500	459.661	-4.00	5.50	459.281	-4.00
-5.500	459.173	-4.00	-3.50	459.553	-4.00	2854	+	0.00	8401147.665	286197.486	457.663	459.693	2.03	3.500	459.553	-4.00	5.50	459.173	-4.00
-5.500	459.065	-4.00	-3.50	459.445	-4.00	2855	+	0.00	8401143.282	286177.972	456.967	459.585	2.62	3.500	459.445	-4.00	5.50	459.065	-4.00
-5.500	458.958	-4.00	-3.50	459.338	-4.00	2856	+	0.00	8401138.90	286158.458	456.906	459.478	2.57	3.500	459.338	-4.00	5.50	458.958	-4.00
-5.500	458.850	-4.00	-3.50	459.230	-4.00	2857	+	0.00	8401134.517	286138.945	456.509	459.370	2.86	3.500	459.230	-4.00	5.50	458.850	-4.00
-5.500	458.743	-4.00	-3.50	459.123	-4.00	2858	+	0.00	8401130.135	286119.431	456.362	459.263	2.90	3.500	459.123	-4.00	5.50	458.743	-4.00
-5.500	458.635	-4.00	-3.50	459.015	-4.00	2859	+	0.00	8401125.752	286099.917	455.747	459.155	3.41	3.500	459.015	-4.00	5.50	458.635	-4.00
-5.500	458.527	-4.00	-3.50	458.907	-4.00	2860	+	0.00	8401121.369	286080.403	455.429	459.047	3.62	3.500	458.907	-4.00	5.50	458.527	-4.00
-5.500	458.420	-4.00	-3.50	458.800	-4.00	2861	+	0.00	8401116.987	286060.889	455.277	458.940	3.66	3.500	458.800	-4.00	5.50	458.420	-4.00
-5.500	458.312	-4.00	-3.50	458.692	-4.00	2862	+	0.00	8401112.604	286041.375	454.926	458.832	3.91	3.500	458.692	-4.00	5.50	458.312	-4.00
-5.500	458.205	-4.00	-3.50	458.585	-4.00	2863	+	0.00	8401108.222	286021.861	454.156	458.725	4.57	3.500	458.585	-4.00	5.50	458.205	-4.00
-5.500	458.097	-4.00	-3.50	458.477	-4.00	2864	+	0.00	8401103.839	286002.347	453.182	458.617	5.44	3.500	458.477	-4.00	5.50	458.097	-4.00
-5.500	458.125	-1.52	-3.50	458.456	-1.52	2865	+	0.00	8401099.456	285982.833	452.752	458.509	5.76	3.500	458.369	-4.00	5.50	457.989	-4.00
-5.500	458.150	0.00	-3.50	458.450	0.00	2865	+	11.07	8401097.030	285972.029	452.342	458.450	6.11	3.500	458.310	-4.00	5.50	457.930	-4.00
-5.500	458.170	1.23	-3.50	458.445	1.23	2866	+	0.00	8401095.080	285963.318	452.257	458.402	6.14	3.500	458.262	-4.00	5.50	457.882	-4.00
-5.500	458.213	3.98	-3.50	458.433	3.98	2867	+	0.00	8401090.896	285943.761	452.224	458.294	6.07	3.500	458.154	-4.00	5.50	457.774	-4.00
-5.500	458.255	6.60	-3.50	458.423	6.60	2867	+	19.07	8401087.452	285925.002	452.069	458.192	6.12	3.500	457.961	-6.60	5.50	457.529	-6.60
-5.500	458.250	6.60	-3.50	458.418	6.60	2868	+	0.00	8401087.304	285924.087	452.109	458.187	6.08	3.500	457.956	-6.60	5.50	457.524	-6.60
-5.500	458.142	6.60	-3.50	458.310	6.60	2869	+	0.00	8401084.640	285904.268	451.552	458.079	6.53	3.500	457.848	-6.60	5.50	457.416	-6.60
-5.500	458.035	6.60	-3.50	458.203	6.60	2870	+	0.00	8401082.970	285884.340	450.885	457.972	7.09	3.500	457.741	-6.60	5.50	457.309	-6.60
-5.500	457.927	6.60	-3.50	458.095	6.60	2871	+	0.00	8401082.299	285864.353	450.780	457.864	7.08	3.500	457.633	-6.60	5.50	457.201	-6.60
-5.500	457.819	6.60	-3.50	457.987	6.60	2872	+	0.00	8401082.626	285844.358	451.690	457.756	6.07	3.500	457.525	-6.60	5.50	457.093	-6.60
-5.500	457.790	6.60	-3.50	457.958	6.60	2872	+	5.39	8401083.885	285838.995	452.039	457.727	5.69	3.500	457.496	-6.60	5.50	457.064	-6.60
-5.500	457.712	6.60	-3.50	457.880	6.60	2873	+	0.00	8401083.953	285824.404	452.745	457.649	4.90	3.500	457.418	-6.60	5.50	456.986	-6.60
-5.500	457.604	6.60	-3.50	457.772	6.60	2874	+	0.00	8401086.275	285804.541	453.264	457.541	4.28	3.500	457.310	-6.60	5.50	456.878	-6.60
-5.500	457.497	6.60	-3.50	457.665	6.60	2875	+	0.00	8401089.588	285784.820	453.075	457.434	4.36	3.500	457.203	-6.60	5.50	456.771	-6.60
-5.500	457.389	6.60	-3.50	457.557	6.60	2876	+	0.00	8401093.881	285765.288	453.023	457.326	4.30	3.500	457.095	-6.60	5.50	456.663	-6.60
-5.500	457.326	6.60	-3.50	457.494	6.60	2876	+	11.71	8401096.848	285753.956	453.274	457.263	3.99	3.500	457.032	-6.60	5.50	456.600	-6.60
-5.500	457.218	5.46	-3.50	457.409	5.46	2877	+	0.00	8401099.141	285745.994	453.369	457.218	3.85	3.500	457.027	-5.46	5.50	456.618	-5.46
-5.500	456.960	2.71	-3.50	457.206	2.71	2878	+	0.00	8401105.181	285726.929	453.295	457.111	3.82	3.500	457.016	-2.71	5.50	456.662	-2.71
-5.500	456.705	0.00	-3.50	457.005	0.00	2878	+	19.71	8401111.517	285708.277	453.072	457.005	3.93	3.500	457.005	0.00	5.50	456.705	0.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	456.701	-0.04	-3.50	457.002	-0.04	2879	+	0.00	8401111.612	285707.991	453.055	457.003	3.95	3.500	457.004	0.04	5.50	456.705	0.04
-5.500	456.443	-2.79	-3.50	456.798	-2.79	2880	+	0.00	8401118.037	285689.051	452.814	456.896	4.08	3.500	456.994	2.79	5.50	456.749	2.79
-5.500	456.183	-5.54	-3.50	456.594	-5.54	2881	+	0.00	8401124.060	285669.981	452.878	456.788	3.91	3.500	456.982	5.54	5.50	456.793	5.54
-5.500	456.084	-6.60	-3.50	456.516	-6.60	2881	+	7.71	8401126.191	285662.567	452.924	456.747	3.82	3.500	456.978	6.60	5.50	456.810	6.60
-5.500	456.018	-6.60	-3.50	456.450	-6.60	2882	+	0.00	8401129.293	285650.679	452.928	456.681	3.75	3.500	456.912	6.60	5.50	456.744	6.60
-5.500	455.910	-6.60	-3.50	456.342	-6.60	2883	+	0.00	8401133.559	285631.142	452.826	456.573	3.75	3.500	456.804	6.60	5.50	456.636	6.60
-5.500	455.802	-6.60	-3.50	456.234	-6.60	2884	+	0.00	8401136.843	285611.415	452.571	456.465	3.89	3.500	456.696	6.60	5.50	456.528	6.60
-5.500	455.718	-6.60	-3.50	456.150	-6.60	2884	+	15.64	8401138.724	285595.907	452.430	456.381	3.95	3.500	456.612	6.60	5.50	456.444	6.60
-5.500	455.695	-6.60	-3.50	456.127	-6.60	2885	+	0.00	8401139.137	285591.549	452.409	456.358	3.95	3.500	456.589	6.60	5.50	456.421	6.60
-5.500	455.587	-6.60	-3.50	456.019	-6.60	2886	+	0.00	8401140.435	285571.594	452.172	456.250	4.08	3.500	456.481	6.60	5.50	456.313	6.60
-5.500	455.480	-6.60	-3.50	455.912	-6.60	2887	+	0.00	8401140.734	285551.598	452.098	456.143	4.04	3.500	456.374	6.60	5.50	456.206	6.60
-5.500	455.372	-6.60	-3.50	455.804	-6.60	2888	+	0.00	8401140.034	285531.612	452.168	456.035	3.87	3.500	456.266	6.60	5.50	456.098	6.60
-5.500	455.353	-6.60	-3.50	455.785	-6.60	2888	+	3.57	8401139.804	285528.051	452.159	456.016	3.86	3.500	456.247	6.60	5.50	456.079	6.60
-5.500	455.388	-4.34	-3.50	455.775	-4.34	2889	+	0.00	8401138.374	285511.683	452.053	455.927	3.87	3.500	456.079	4.34	5.50	455.866	4.34
-5.500	455.300	-4.00	-3.50	455.680	-4.00	2890	+	0.00	8401136.059	285491.818	452.142	455.820	3.68	3.500	455.876	1.59	5.50	455.607	1.59
-5.500	455.238	-4.00	-3.50	455.618	-4.00	2890	+	11.57	8401134.585	285480.343	452.174	455.758	3.58	3.500	455.758	0.00	5.50	455.458	0.00
-5.500	455.192	-4.00	-3.50	455.572	-4.00	2891	+	0.00	8401133.501	285471.982	452.172	455.712	3.54	3.500	455.671	-1.16	5.50	455.348	-1.16
-5.500	455.085	-4.00	-3.50	455.465	-4.00	2892	+	0.00	8401130.929	285452.148	452.179	455.605	3.43	3.500	455.468	-3.91	5.50	455.090	-3.91
-5.500	454.977	-4.00	-3.50	455.357	-4.00	2893	+	0.00	8401128.357	285432.314	452.129	455.497	3.37	3.500	455.357	-4.00	5.50	454.977	-4.00
-5.500	454.869	-4.00	-3.50	455.249	-4.00	2894	+	0.00	8401125.784	285412.480	452.036	455.389	3.35	3.500	455.249	-4.00	5.50	454.869	-4.00
-5.500	454.762	-4.00	-3.50	455.142	-4.00	2895	+	0.00	8401123.212	285392.646	451.929	455.282	3.35	3.500	455.142	-4.00	5.50	454.762	-4.00
-5.500	454.654	-4.00	-3.50	455.034	-4.00	2896	+	0.00	8401120.640	285372.813	451.932	455.174	3.24	3.500	455.106	-1.93	5.50	454.768	-1.93
-5.500	454.547	-4.00	-3.50	454.927	-4.00	2897	+	0.00	8401118.068	285352.979	451.944	455.067	3.12	3.500	455.094	0.76	5.50	454.809	0.76
-5.500	454.502	-4.00	-3.50	454.882	-4.00	2897	+	8.37	8401116.992	285344.677	451.925	455.022	3.10	3.500	455.088	1.88	5.50	454.825	1.88
-5.500	454.439	-4.00	-3.50	454.819	-4.00	2898	+	0.00	8401115.393	285333.159	451.880	454.959	3.08	3.500	455.079	3.44	5.50	454.848	3.44
-5.500	454.294	-4.70	-3.50	454.688	-4.70	2899	+	0.00	8401112.163	285313.422	451.808	454.852	3.04	3.500	455.017	4.70	5.50	454.811	4.70
-5.500	454.186	-4.70	-3.50	454.580	-4.70	2900	+	0.00	8401108.327	285293.794	451.762	454.744	2.98	3.500	454.909	4.70	5.50	454.703	4.70
-5.500	454.078	-4.70	-3.50	454.472	-4.70	2901	+	0.00	8401103.889	285274.294	451.751	454.636	2.89	3.500	454.801	4.70	5.50	454.595	4.70
-5.500	454.062	-4.70	-3.50	454.456	-4.70	2901	+	3.02	8401103.222	285271.358	451.745	454.620	2.88	3.500	454.785	4.70	5.50	454.579	4.70
-5.500	453.971	-4.70	-3.50	454.365	-4.70	2902	+	0.00	8401098.853	285254.939	451.706	454.529	2.82	3.500	454.694	4.70	5.50	454.488	4.70
-5.500	453.863	-4.70	-3.50	454.257	-4.70	2903	+	0.00	8401093.224	285235.748	451.696	454.421	2.72	3.500	454.586	4.70	5.50	454.380	4.70
-5.500	453.780	-4.25	-3.50	454.165	-4.25	2904	+	0.00	8401087.007	285216.740	451.584	454.314	2.73	3.500	454.463	4.25	5.50	454.248	4.25
-5.500	453.699	-4.00	-3.50	454.079	-4.00	2904	+	17.67	8401081.032	285200.115	451.405	454.219	2.81	3.500	454.285	1.88	5.50	454.022	1.88
-5.500	453.686	-4.00	-3.50	454.066	-4.00	2905	+	0.00	8401080.213	285197.930	451.383	454.206	2.82	3.500	454.261	1.57	5.50	453.992	1.57
-5.500	453.578	-4.00	-3.50	453.958	-4.00	2906	+	0.00	8401073.193	285179.202	451.282	454.098	2.82	3.500	454.059	-1.12	5.50	453.736	-1.12
-5.500	453.471	-4.00	-3.50	453.851	-4.00	2907	+	0.00	8401066.172	285160.475	451.186	453.991	2.81	3.500	453.858	-3.80	5.50	453.482	-3.80
-5.500	453.363	-4.00	-3.50	453.743	-4.00	2908	+	0.00	8401059.152	285141.748	451.047	453.883	2.84	3.500	453.743	-4.00	5.50	453.363	-4.00
-5.500	453.256	-4.00	-3.50	453.636	-4.00	2909	+	0.00	8401052.132	285123.020	450.914	453.776	2.86	3.500	453.636	-4.00	5.50	453.256	-4.00
-5.500	453.148	-4.00	-3.50	453.528	-4.00	2910	+	0.00	8401045.112	285104.293	450.760	453.668	2.91	3.500	453.528	-4.00	5.50	453.148	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	453.041	-4.00	-3.50	453.421	-4.00	2911	+	0.00	8401038.092	285085.565	450.651	453.561	2.91	3.500	453.421	-4.00	5.50	453.041	-4.00
-5.500	452.933	-4.00	-3.50	453.313	-4.00	2912	+	0.00	8401031.072	285066.838	450.550	453.453	2.90	3.500	453.313	-4.00	5.50	452.933	-4.00
-5.500	452.825	-4.00	-3.50	453.205	-4.00	2913	+	0.00	8401024.052	285048.110	450.453	453.345	2.89	3.500	453.205	-4.00	5.50	452.825	-4.00
-5.500	452.718	-4.00	-3.50	453.098	-4.00	2914	+	0.00	8401017.031	285029.383	450.299	453.238	2.94	3.500	453.098	-4.00	5.50	452.718	-4.00
-5.500	452.610	-4.00	-3.50	452.990	-4.00	2915	+	0.00	8401010.011	285010.655	450.197	453.130	2.93	3.500	452.990	-4.00	5.50	452.610	-4.00
-5.500	452.503	-4.00	-3.50	452.883	-4.00	2916	+	0.00	8401002.991	284991.928	450.117	453.023	2.91	3.500	452.883	-4.00	5.50	452.503	-4.00
-5.500	452.395	-4.00	-3.50	452.775	-4.00	2917	+	0.00	8400995.971	284973.20	450.061	452.915	2.85	3.500	452.775	-4.00	5.50	452.395	-4.00
-5.500	452.287	-4.00	-3.50	452.667	-4.00	2918	+	0.00	8400988.951	284954.473	450.064	452.807	2.74	3.500	452.667	-4.00	5.50	452.287	-4.00
-5.500	452.180	-4.00	-3.50	452.560	-4.00	2919	+	0.00	8400981.931	284935.746	450.054	452.700	2.65	3.500	452.560	-4.00	5.50	452.180	-4.00
-5.500	452.072	-4.00	-3.50	452.452	-4.00	2920	+	0.00	8400974.911	284917.018	450.073	452.592	2.52	3.500	452.452	-4.00	5.50	452.072	-4.00
-5.500	451.965	-4.00	-3.50	452.345	-4.00	2921	+	0.00	8400967.890	284898.291	450.036	452.485	2.45	3.500	452.345	-4.00	5.50	451.965	-4.00
-5.500	451.857	-4.00	-3.50	452.237	-4.00	2922	+	0.00	8400960.870	284879.563	450.036	452.377	2.34	3.500	452.237	-4.00	5.50	451.857	-4.00
-5.500	451.749	-4.00	-3.50	452.129	-4.00	2923	+	0.00	8400953.850	284860.836	450.021	452.269	2.25	3.500	452.129	-4.00	5.50	451.749	-4.00
-5.500	451.642	-4.00	-3.50	452.022	-4.00	2924	+	0.00	8400946.830	284842.108	449.929	452.162	2.23	3.500	452.022	-4.00	5.50	451.642	-4.00
-5.500	451.534	-4.00	-3.50	451.914	-4.00	2925	+	0.00	8400939.810	284823.381	449.866	452.054	2.19	3.500	451.914	-4.00	5.50	451.534	-4.00
-5.500	451.427	-4.00	-3.50	451.807	-4.00	2926	+	0.00	8400932.790	284804.653	449.770	451.947	2.18	3.500	451.807	-4.00	5.50	451.427	-4.00
-5.500	451.319	-4.00	-3.50	451.699	-4.00	2927	+	0.00	8400925.770	284785.926	449.624	451.839	2.21	3.500	451.699	-4.00	5.50	451.319	-4.00
-5.500	451.212	-4.00	-3.50	451.592	-4.00	2928	+	0.00	8400918.749	284767.198	449.574	451.732	2.16	3.500	451.592	-4.00	5.50	451.212	-4.00
-5.500	451.104	-4.00	-3.50	451.484	-4.00	2929	+	0.00	8400911.729	284748.471	449.438	451.624	2.19	3.500	451.484	-4.00	5.50	451.104	-4.00
-5.500	450.996	-4.00	-3.50	451.376	-4.00	2930	+	0.00	8400904.709	284729.744	449.326	451.516	2.19	3.500	451.376	-4.00	5.50	450.996	-4.00
-5.500	450.889	-4.00	-3.50	451.269	-4.00	2931	+	0.00	8400897.689	284711.016	449.075	451.409	2.33	3.500	451.269	-4.00	5.50	450.889	-4.00
-5.500	450.781	-4.00	-3.50	451.161	-4.00	2932	+	0.00	8400890.669	284692.289	448.050	451.301	3.25	3.500	451.161	-4.00	5.50	450.781	-4.00
-5.500	450.674	-4.00	-3.50	451.054	-4.00	2933	+	0.00	8400883.649	284673.561	447.507	451.194	3.69	3.500	451.054	-4.00	5.50	450.674	-4.00
-5.500	450.566	-4.00	-3.50	450.946	-4.00	2934	+	0.00	8400876.629	284654.834	447.469	451.086	3.62	3.500	450.946	-4.00	5.50	450.566	-4.00
-5.500	450.458	-4.00	-3.50	450.838	-4.00	2935	+	0.00	8400869.608	284636.106	447.552	450.978	3.43	3.500	450.838	-4.00	5.50	450.458	-4.00
-5.500	450.351	-4.00	-3.50	450.731	-4.00	2936	+	0.00	8400862.588	284617.379	447.390	450.871	3.48	3.500	450.797	-2.12	5.50	450.454	-2.12
-5.500	450.243	-4.00	-3.50	450.623	-4.00	2937	+	0.00	8400855.568	284598.651	447.411	450.763	3.35	3.500	450.784	0.60	5.50	450.496	0.60
-5.500	450.196	-4.00	-3.50	450.576	-4.00	2937	+	8.78	8400852.488	284590.434	447.365	450.716	3.35	3.500	450.779	1.80	5.50	450.515	1.80
-5.500	450.136	-4.00	-3.50	450.516	-4.00	2938	+	0.00	8400848.464	284579.956	447.402	450.656	3.25	3.500	450.773	3.33	5.50	450.539	3.33
-5.500	450.001	-4.50	-3.50	450.391	-4.50	2939	+	0.00	8400840.879	284561.451	447.460	450.548	3.09	3.500	450.706	4.50	5.50	450.496	4.50
-5.500	449.905	-4.50	-3.50	450.295	-4.50	2939	+	17.78	8400833.660	284545.225	447.509	450.452	2.94	3.500	450.610	4.50	5.50	450.400	4.50
-5.500	449.894	-4.50	-3.50	450.284	-4.50	2940	+	0.00	8400832.770	284543.169	447.520	450.441	2.92	3.500	450.599	4.50	5.50	450.389	4.50
-5.500	449.786	-4.50	-3.50	450.176	-4.50	2941	+	0.00	8400824.141	284525.127	447.564	450.333	2.77	3.500	450.491	4.50	5.50	450.281	4.50
-5.500	449.705	-4.00	-3.50	450.085	-4.00	2942	+	0.00	8400815.0	284507.339	447.555	450.225	2.67	3.500	450.321	2.73	5.50	450.075	2.73
-5.500	449.669	-4.00	-3.50	450.049	-4.00	2942	+	6.79	8400811.784	284501.365	447.579	450.189	2.61	3.500	450.252	1.80	5.50	449.988	1.80
-5.500	449.598	-4.00	-3.50	449.978	-4.00	2943	+	0.00	8400805.464	284489.759	447.572	450.118	2.55	3.500	450.118	0.00	5.50	449.818	0.00
-5.500	449.490	-4.00	-3.50	449.870	-4.00	2944	+	0.00	8400795.899	284472.195	447.639	450.010	2.37	3.500	449.914	-2.73	5.50	449.560	-2.73
-5.500	449.383	-4.00	-3.50	449.763	-4.00	2945	+	0.00	8400786.334	284454.630	447.614	449.903	2.29	3.500	449.763	-4.00	5.50	449.383	-4.00
-5.500	449.275	-4.00	-3.50	449.655	-4.00	2946	+	0.00	8400776.769	284437.066	447.774	449.795	2.02	3.500	449.655	-4.00	5.50	449.275	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	449.167	-4.00	-3.50	449.547	-4.00	2947	+	0.00	8400767.204	284419.501	447.897	449.687	1.79	3.500	449.547	-4.00	5.50	449.167	-4.00
-5.500	449.060	-4.00	-3.50	449.440	-4.00	2948	+	0.00	8400757.639	284401.937	448.018	449.580	1.56	3.500	449.440	-4.00	5.50	449.060	-4.00
-5.500	448.952	-4.00	-3.50	449.332	-4.00	2949	+	0.00	8400748.074	284384.372	448.208	449.472	1.26	3.500	449.332	-4.00	5.50	448.952	-4.00
-5.500	448.845	-4.00	-3.50	449.225	-4.00	2950	+	0.00	8400738.509	284366.808	448.103	449.365	1.26	3.500	449.225	-4.00	5.50	448.845	-4.00
-5.500	448.737	-4.00	-3.50	449.117	-4.00	2951	+	0.00	8400728.944	284349.243	448.233	449.257	1.02	3.500	449.117	-4.00	5.50	448.737	-4.00
-5.500	448.629	-4.00	-3.50	449.009	-4.00	2952	+	0.00	8400719.379	284331.679	448.152	449.149	1.00	3.500	449.009	-4.00	5.50	448.629	-4.00
-5.500	448.522	-4.00	-3.50	448.902	-4.00	2953	+	0.00	8400709.814	284314.114	448.133	449.042	0.91	3.500	448.902	-4.00	5.50	448.522	-4.00
-5.500	448.414	-4.00	-3.50	448.794	-4.00	2954	+	0.00	8400700.249	284296.550	447.990	448.934	0.94	3.500	448.794	-4.00	5.50	448.414	-4.00
-5.500	448.307	-4.00	-3.50	448.687	-4.00	2955	+	0.00	8400690.684	284278.985	447.964	448.827	0.86	3.500	448.687	-4.00	5.50	448.307	-4.00
-5.500	448.199	-4.00	-3.50	448.579	-4.00	2956	+	0.00	8400681.119	284261.421	447.773	448.719	0.95	3.500	448.579	-4.00	5.50	448.199	-4.00
-5.500	448.092	-4.00	-3.50	448.472	-4.00	2957	+	0.00	8400671.554	284243.856	447.743	448.612	0.87	3.500	448.472	-4.00	5.50	448.092	-4.00
-5.500	447.984	-4.00	-3.50	448.364	-4.00	2958	+	0.00	8400661.989	284226.292	447.655	448.504	0.85	3.500	448.364	-4.00	5.50	447.984	-4.00
-5.500	447.876	-4.00	-3.50	448.256	-4.00	2959	+	0.00	8400652.424	284208.727	447.682	448.396	0.71	3.500	448.256	-4.00	5.50	447.876	-4.00
-5.500	447.769	-4.00	-3.50	448.149	-4.00	2960	+	0.00	8400642.859	284191.163	447.643	448.289	0.65	3.500	448.149	-4.00	5.50	447.769	-4.00
-5.500	447.661	-4.00	-3.50	448.041	-4.00	2961	+	0.00	8400633.294	284173.598	447.718	448.181	0.46	3.500	448.041	-4.00	5.50	447.661	-4.00
-5.500	447.554	-4.00	-3.50	447.934	-4.00	2962	+	0.00	8400623.729	284156.034	447.580	448.074	0.49	3.500	447.934	-4.00	5.50	447.554	-4.00
-5.500	447.446	-4.00	-3.50	447.826	-4.00	2963	+	0.00	8400614.164	284138.469	447.531	447.966	0.44	3.500	447.826	-4.00	5.50	447.446	-4.00
-5.500	447.338	-4.00	-3.50	447.718	-4.00	2964	+	0.00	8400604.599	284120.905	447.248	447.858	0.61	3.500	447.718	-4.00	5.50	447.338	-4.00
-5.500	447.231	-4.00	-3.50	447.611	-4.00	2965	+	0.00	8400595.034	284103.340	447.235	447.751	0.52	3.500	447.611	-4.00	5.50	447.231	-4.00
-5.500	447.123	-4.00	-3.50	447.503	-4.00	2966	+	0.00	8400585.469	284085.776	447.059	447.643	0.58	3.500	447.503	-4.00	5.50	447.123	-4.00
-5.500	447.016	-4.00	-3.50	447.396	-4.00	2967	+	0.00	8400575.904	284068.211	446.966	447.536	0.57	3.500	447.396	-4.00	5.50	447.016	-4.00
-5.500	446.908	-4.00	-3.50	447.288	-4.00	2968	+	0.00	8400566.340	284050.647	446.903	447.428	0.52	3.500	447.288	-4.00	5.50	446.908	-4.00
-5.500	446.801	-4.00	-3.50	447.181	-4.00	2969	+	0.00	8400556.775	284033.082	446.725	447.321	0.60	3.500	447.251	-1.99	5.50	446.912	-1.99
-5.500	446.723	-4.00	-3.50	447.103	-4.00	2969	+	14.45	8400549.863	284020.391	446.771	447.243	0.47	3.500	447.243	0.00	5.50	446.943	0.00
-5.500	446.693	-4.00	-3.50	447.073	-4.00	2970	+	0.00	8400547.208	284015.519	446.685	447.213	0.53	3.500	447.240	0.76	5.50	446.955	0.76
-5.500	446.585	-4.00	-3.50	446.965	-4.00	2971	+	0.00	8400537.518	283998.023	446.714	447.105	0.39	3.500	447.228	3.51	5.50	446.998	3.51
-5.500	446.354	-6.26	-3.50	446.779	-6.26	2972	+	0.00	8400527.366	283980.793	446.603	446.998	0.39	3.500	447.217	6.26	5.50	447.042	6.26
-5.500	446.322	-6.60	-3.50	446.754	-6.60	2972	+	2.45	8400526.073	283978.710	446.605	446.985	0.38	3.500	447.216	6.60	5.50	447.048	6.60
-5.500	446.218	-6.60	-3.50	446.650	-6.60	2973	+	0.00	8400516.448	283964.038	446.600	446.881	0.28	3.500	447.112	6.60	5.50	446.944	6.60
-5.500	446.034	-6.60	-3.50	446.466	-6.60	2974	+	0.00	8400504.706	283947.850	446.119	446.697	0.58	3.500	446.928	6.60	5.50	446.760	6.60
-5.500	445.773	-6.60	-3.50	446.205	-6.60	2975	+	0.00	8400492.170	283932.270	445.622	446.436	0.81	3.500	446.667	6.60	5.50	446.499	6.60
-5.500	445.436	-6.60	-3.50	445.868	-6.60	2976	+	0.00	8400478.871	283917.335	445.476	446.099	0.62	3.500	446.330	6.60	5.50	446.162	6.60
-5.500	445.022	-6.60	-3.50	445.454	-6.60	2977	+	0.00	8400464.842	283903.083	445.068	445.685	0.62	3.500	445.916	6.60	5.50	445.748	6.60
-5.500	444.982	-6.60	-3.50	445.414	-6.60	2977	+	1.76	8400463.981	283901.432	445.158	445.645	0.49	3.500	445.876	6.60	5.50	445.708	6.60
-5.500	444.542	-6.60	-3.50	444.974	-6.60	2978	+	0.00	8400450.118	283889.551	445.936	445.205	-0.73	3.500	445.436	6.60	5.50	445.268	6.60
-5.500	444.052	-6.60	-3.50	444.484	-6.60	2979	+	0.00	8400434.736	283876.771	445.970	444.715	-1.26	3.500	444.946	6.60	5.50	444.778	6.60
-5.500	443.562	-6.60	-3.50	443.994	-6.60	2980	+	0.00	8400418.735	283864.776	445.983	444.225	-1.76	3.500	444.456	6.60	5.50	444.288	6.60
-5.500	443.087	-6.60	-3.50	443.519	-6.60	2981	+	0.00	8400402.154	283853.596	445.968	443.750	-2.22	3.500	443.981	6.60	5.50	443.813	6.60
-5.500	442.720	-6.60	-3.50	443.152	-6.60	2982	+	0.00	8400385.036	283843.258	445.109	443.383	-1.73	3.500	443.614	6.60	5.50	443.446	6.60

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	442.704	-6.60	-3.50	443.136	-6.60	2982	+	1.07	8400384.106	283842.730	444.856	443.367	-1.49	3.500	443.598	6.60	5.50	443.430	6.60
-5.500	442.618	-4.00	-3.50	442.998	-4.00	2983	+	0.00	8400367.449	283833.737	444.050	443.138	-0.91	3.500	443.278	4.00	5.50	443.058	4.00
-5.500	442.495	-4.00	-3.50	442.875	-4.00	2984	+	0.00	8400349.581	283824.752	442.906	443.015	0.11	3.500	443.059	1.25	5.50	442.784	1.25
-5.500	442.480	-4.00	-3.50	442.860	-4.00	2984	+	9.07	8400341.440	283820.756	442.330	443.000	0.67	3.500	443.000	0.00	5.50	442.700	0.00
-5.500	442.480	-4.00	-3.50	442.860	-4.00	2985	+	0.00	8400331.624	283815.946	441.802	443.000	1.20	3.500	442.948	-1.50	5.50	442.618	-1.50
-5.500	442.480	-4.00	-3.50	442.860	-4.00	2986	+	0.00	8400313.664	283807.146	438.595	443.000	4.40	3.500	442.860	-4.00	5.50	442.480	-4.00
-5.500	442.480	-4.00	-3.50	442.860	-4.00	2987	+	0.00	8400295.704	283798.346	437.081	443.000	5.92	3.500	442.860	-4.00	5.50	442.480	-4.00
-5.500	442.480	-4.00	-3.50	442.860	-4.00	2987	+	12.25	8400284.691	283792.969	436.744	443.000	6.26	3.500	442.860	-4.00	5.50	442.480	-4.00
-5.500	442.480	-4.00	-3.50	442.860	-4.00	2991	+	17.47	8400208.157	283755.457	436.159	443.000	6.84	3.500	442.860	-4.00	5.50	442.480	-4.00
-5.500	442.480	-4.00	-3.50	442.860	-4.00	2992	+	0.00	8400205.904	283754.347	436.120	443.000	6.88	3.500	442.860	-4.00	5.50	442.480	-4.00
-5.500	442.484	-4.00	-3.50	442.864	-4.00	2993	+	0.00	8400187.944	283745.547	437.058	443.004	5.95	3.500	442.864	-4.00	5.50	442.484	-4.00
-5.500	442.520	-4.00	-3.50	442.900	-4.00	2994	+	0.00	8400169.984	283736.747	436.561	443.040	6.48	3.500	442.900	-4.00	5.50	442.520	-4.00
-5.500	442.657	-2.80	-3.50	443.013	-2.80	2995	+	0.00	8400152.024	283727.947	436.545	443.111	6.57	3.500	442.971	-4.00	5.50	442.591	-4.00
-5.500	442.915	-0.05	-3.50	443.216	-0.05	2996	+	0.00	8400134.064	283719.147	436.930	443.218	6.29	3.500	443.078	-4.00	5.50	442.698	-4.00
-5.500	442.921	0.00	-3.50	443.221	0.00	2996	+	0.33	8400133.765	283719.001	436.935	443.221	6.29	3.500	443.081	-4.00	5.50	442.701	-4.00
-5.500	443.210	2.71	-3.50	443.456	2.71	2997	+	0.00	8400116.146	283710.262	438.754	443.361	4.61	3.500	443.221	-4.00	5.50	442.841	-4.00
-5.500	443.536	5.47	-3.50	443.726	5.47	2998	+	0.00	8400098.499	283700.854	440.722	443.535	2.81	3.500	443.344	-5.47	5.50	442.934	-5.47
-5.500	443.838	8.00	-3.50	443.978	8.00	2998	+	18.33	8400082.835	283691.335	443.426	443.698	0.27	3.500	443.418	-8.00	5.50	442.958	-8.00
-5.500	443.853	8.00	-3.50	443.993	8.00	2999	+	0.00	8400081.446	283690.414	443.431	443.713	0.28	3.500	443.433	-8.00	5.50	442.973	-8.00
-5.500	444.032	8.00	-3.50	444.172	8.00	3000	+	0.00	8400065.318	283678.596	443.656	443.892	0.24	3.500	443.612	-8.00	5.50	443.152	-8.00
-5.500	444.210	8.00	-3.50	444.350	8.00	3001	+	0.00	8400050.279	283665.422	443.831	444.070	0.24	3.500	443.790	-8.00	5.50	443.330	-8.00
-5.500	444.388	8.00	-3.50	444.528	8.00	3002	+	0.00	8400036.440	283650.992	444.083	444.248	0.16	3.500	443.968	-8.00	5.50	443.508	-8.00
-5.500	444.567	8.00	-3.50	444.707	8.00	3003	+	0.00	8400023.906	283635.415	443.927	444.427	0.50	3.500	444.147	-8.00	5.50	443.687	-8.00
-5.500	444.638	8.00	-3.50	444.778	8.00	3003	+	8.00	8400019.256	283628.884	443.955	444.498	0.54	3.500	444.218	-8.00	5.50	443.758	-8.00
-5.500	444.745	8.00	-3.50	444.885	8.00	3004	+	0.00	8400012.773	283618.807	443.886	444.605	0.72	3.500	444.325	-8.00	5.50	443.865	-8.00
-5.500	444.923	8.00	-3.50	445.063	8.00	3005	+	0.00	8400003.124	283601.296	443.769	444.783	1.01	3.500	444.503	-8.00	5.50	444.043	-8.00
-5.500	445.102	8.00	-3.50	445.242	8.00	3006	+	0.00	8399995.033	283583.013	443.628	444.962	1.33	3.500	444.682	-8.00	5.50	444.222	-8.00
-5.500	445.280	8.00	-3.50	445.420	8.00	3007	+	0.00	8399988.560	283564.096	443.091	445.140	2.05	3.500	444.860	-8.00	5.50	444.400	-8.00
-5.500	445.433	8.00	-3.50	445.573	8.00	3007	+	17.67	8399984.226	283546.967	442.837	445.293	2.46	3.500	445.013	-8.00	5.50	444.553	-8.00
-5.500	445.433	7.68	-3.50	445.580	7.68	3008	+	0.00	8399983.754	283544.688	442.838	445.311	2.47	3.500	445.042	-7.68	5.50	444.589	-7.68
-5.500	445.404	4.92	-3.50	445.605	4.92	3009	+	0.00	8399980.514	283524.956	442.821	445.433	2.61	3.500	445.261	-4.92	5.50	444.862	-4.92
-5.500	445.318	2.16	-3.50	445.575	2.16	3010	+	0.00	8399978.334	283505.077	442.583	445.499	2.92	3.500	445.359	-4.00	5.50	444.979	-4.00
-5.500	445.212	0.00	-3.50	445.512	0.00	3010	+	15.67	8399976.982	283489.463	442.500	445.512	3.01	3.500	445.372	-4.00	5.50	444.992	-4.00
-5.500	445.176	-0.60	-3.50	445.488	-0.60	3011	+	0.00	8399976.622	283485.150	442.529	445.509	2.98	3.500	445.369	-4.00	5.50	444.989	-4.00
-5.500	444.977	-3.36	-3.50	445.344	-3.36	3012	+	0.00	8399974.958	283465.220	442.560	445.462	2.90	3.500	445.322	-4.00	5.50	444.942	-4.00
-5.500	444.846	-4.00	-3.50	445.226	-4.00	3013	+	0.00	8399973.294	283445.289	442.478	445.366	2.89	3.500	445.226	-4.00	5.50	444.846	-4.00
-5.500	444.744	-4.00	-3.50	445.124	-4.00	3014	+	0.00	8399971.630	283425.358	442.383	445.264	2.88	3.500	445.124	-4.00	5.50	444.744	-4.00
-5.500	444.733	-2.32	-3.50	445.080	-2.32	3015	+	0.00	8399969.966	283405.428	442.349	445.161	2.81	3.500	445.021	-4.00	5.50	444.641	-4.00
-5.500	444.769	0.00	-3.50	445.069	0.00	3015	+	17.74	8399968.490	283387.747	442.385	445.069	2.68	3.500	444.929	-4.00	5.50	444.549	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	444.775	0.30	-3.50	445.069	0.30	3016	+	0.00	8399968.302	283385.497	442.396	445.058	2.66	3.500	444.918	-4.00	5.50	444.538	-4.00
-5.500	444.816	2.92	-3.50	445.057	2.92	3017	+	0.00	8399966.744	283365.558	442.360	444.955	2.59	3.500	444.815	-4.00	5.50	444.435	-4.00
-5.500	444.857	5.54	-3.50	445.046	5.54	3018	+	0.00	8399965.695	283345.587	442.361	444.852	2.49	3.500	444.658	-5.54	5.50	444.247	-5.54
-5.500	444.889	7.60	-3.50	445.037	7.60	3018	+	15.74	8399965.530	283329.847	442.452	444.771	2.32	3.500	444.505	-7.60	5.50	444.053	-7.60
-5.500	444.867	7.60	-3.50	445.015	7.60	3019	+	0.00	8399965.617	283325.590	442.472	444.749	2.28	3.500	444.483	-7.60	5.50	444.031	-7.60
-5.500	444.764	7.60	-3.50	444.912	7.60	3020	+	0.00	8399966.835	283305.631	442.466	444.646	2.18	3.500	444.380	-7.60	5.50	443.928	-7.60
-5.500	444.662	7.60	-3.50	444.810	7.60	3021	+	0.00	8399969.378	283285.797	442.405	444.544	2.14	3.500	444.278	-7.60	5.50	443.826	-7.60
-5.500	444.584	7.60	-3.50	444.732	7.60	3021	+	15.02	8399972.122	283271.095	441.593	444.466	2.87	3.500	444.200	-7.60	5.50	443.748	-7.60
-5.500	444.559	7.60	-3.50	444.707	7.60	3022	+	0.00	8399973.238	283266.176	441.550	444.441	2.89	3.500	444.175	-7.60	5.50	443.723	-7.60
-5.500	444.456	7.60	-3.50	444.604	7.60	3023	+	0.00	8399978.396	283246.857	440.819	444.338	3.52	3.500	444.072	-7.60	5.50	443.620	-7.60
-5.500	444.353	7.60	-3.50	444.501	7.60	3024	+	0.00	8399984.830	283227.924	440.152	444.235	4.08	3.500	443.969	-7.60	5.50	443.517	-7.60
-5.500	444.279	7.60	-3.50	444.427	7.60	3024	+	14.29	8399990.193	283214.678	439.679	444.161	4.48	3.500	443.895	-7.60	5.50	443.443	-7.60
-5.500	444.218	7.01	-3.50	444.377	7.01	3025	+	0.00	8399992.509	283209.461	439.551	444.132	4.58	3.500	443.887	-7.01	5.50	443.446	-7.01
-5.500	444.023	4.96	-3.50	444.224	4.96	3026	+	0.00	8400001.258	283191.478	440.111	444.050	3.94	3.500	443.876	-4.96	5.50	443.477	-4.96
-5.500	443.868	2.90	-3.50	444.110	2.90	3027	+	0.00	8400010.670	283173.832	440.494	444.008	3.51	3.500	443.907	-2.90	5.50	443.549	-2.90
-5.500	443.793	1.64	-3.50	444.060	1.64	3027	+	12.29	8400016.604	283163.067	440.187	444.003	3.82	3.500	443.946	-1.64	5.50	443.613	-1.64
-5.500	443.754	0.84	-3.50	444.037	0.84	3028	+	0.00	8400020.334	283156.322	439.918	444.008	4.09	3.500	443.979	-0.84	5.50	443.662	-0.84
-5.500	443.681	-1.21	-3.50	444.006	-1.21	3029	+	0.00	8400030.014	283138.820	439.699	444.048	4.35	3.500	444.090	1.21	5.50	443.815	1.21
-5.500	443.663	-2.04	-3.50	444.004	-2.04	3029	+	8.03	8400033.902	283131.791	439.776	444.075	4.30	3.500	444.146	2.04	5.50	443.887	2.04
-5.500	443.649	-3.27	-3.50	444.015	-3.27	3030	+	0.00	8400039.675	283121.309	440.013	444.129	4.12	3.500	444.243	3.27	5.50	444.009	3.27
-5.500	443.637	-5.32	-3.50	444.044	-5.32	3031	+	0.00	8400049.014	283103.624	440.812	444.230	3.42	3.500	444.416	5.32	5.50	444.223	5.32
-5.500	443.626	-7.38	-3.50	444.074	-7.38	3032	+	0.00	8400057.494	283085.514	442.012	444.332	2.32	3.500	444.590	7.38	5.50	444.438	7.38
-5.500	443.623	-8.00	-3.50	444.083	-8.00	3032	+	6.03	8400059.798	283079.939	442.350	444.363	2.01	3.500	444.643	8.00	5.50	444.503	8.00
-5.500	443.693	-8.00	-3.50	444.153	-8.00	3033	+	0.00	8400064.570	283066.815	443.009	444.433	1.42	3.500	444.713	8.00	5.50	444.573	8.00
-5.500	443.795	-8.00	-3.50	444.255	-8.00	3034	+	0.00	8400069.998	283047.572	443.276	444.535	1.26	3.500	444.815	8.00	5.50	444.675	8.00
-5.500	443.837	-8.00	-3.50	444.297	-8.00	3034	+	8.18	8400071.725	283039.580	443.299	444.577	1.28	3.500	444.857	8.00	5.50	444.717	8.00
-5.500	443.897	-8.00	-3.50	444.357	-8.00	3035	+	0.00	8400073.733	283027.930	442.896	444.637	1.74	3.500	444.917	8.00	5.50	444.777	8.00
-5.500	443.998	-8.00	-3.50	444.458	-8.00	3036	+	0.00	8400075.749	283008.038	442.445	444.738	2.29	3.500	445.018	8.00	5.50	444.878	8.00
-5.500	444.050	-8.00	-3.50	444.510	-8.00	3036	+	10.32	8400076.111	282997.728	442.133	444.790	2.66	3.500	445.070	8.00	5.50	444.930	8.00
-5.500	444.174	-6.66	-3.50	444.607	-6.66	3037	+	0.00	8400076.041	282988.046	442.032	444.840	2.81	3.500	445.073	6.66	5.50	444.906	6.66
-5.500	444.426	-3.91	-3.50	444.804	-3.91	3038	+	0.00	8400074.899	282968.082	441.825	444.941	3.12	3.500	445.078	3.91	5.50	444.856	3.91
-5.500	444.680	-1.15	-3.50	445.003	-1.15	3039	+	0.00	8400072.911	282948.181	441.753	445.043	3.29	3.500	445.083	1.15	5.50	444.806	1.15
-5.500	444.785	0.00	-3.50	445.085	0.00	3039	+	8.32	8400071.954	282939.906	441.693	445.085	3.39	3.500	445.085	0.00	5.50	444.785	0.00
-5.500	444.933	1.61	-3.50	445.200	1.61	3040	+	0.00	8400070.674	282928.307	442.016	445.144	3.13	3.500	445.088	-1.61	5.50	444.755	-1.61
-5.500	445.186	4.37	-3.50	445.399	4.37	3041	+	0.00	8400068.786	282908.397	442.354	445.246	2.89	3.500	445.093	-4.37	5.50	444.706	-4.37
-5.500	445.439	7.13	-3.50	445.597	7.13	3042	+	0.00	8400067.845	282888.423	442.369	445.347	2.98	3.500	445.097	-7.13	5.50	444.655	-7.13
-5.500	445.519	8.00	-3.50	445.659	8.00	3042	+	6.32	8400067.842	282882.105	442.564	445.379	2.82	3.500	445.099	-8.00	5.50	444.639	-8.00
-5.500	445.589	8.00	-3.50	445.729	8.00	3043	+	0.00	8400068.422	282868.437	442.890	445.449	2.56	3.500	445.169	-8.00	5.50	444.709	-8.00
-5.500	445.690	8.00	-3.50	445.830	8.00	3044	+	0.00	8400070.728	282848.577	443.194	445.550	2.36	3.500	445.270	-8.00	5.50	444.810	-8.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	445.792	8.00	-3.50	445.932	8.00	3045	+	0.00	8400074.751	282828.992	443.502	445.652	2.15	3.500	445.372	-8.00	5.50	444.912	-8.00
-5.500	445.882	8.00	-3.50	446.022	8.00	3045	+	17.77	8400080.989	282812.363	443.662	445.742	2.08	3.500	445.462	-8.00	5.50	445.002	-8.00
-5.500	445.893	8.00	-3.50	446.033	8.00	3046	+	0.00	8400080.460	282809.831	443.636	445.753	2.12	3.500	445.473	-8.00	5.50	445.013	-8.00
-5.500	445.995	8.00	-3.50	446.135	8.00	3047	+	0.00	8400087.811	282791.237	443.636	445.855	2.22	3.500	445.575	-8.00	5.50	445.115	-8.00
-5.500	446.097	8.00	-3.50	446.237	8.00	3048	+	0.00	8400096.749	282773.353	443.634	445.957	2.32	3.500	445.677	-8.00	5.50	445.217	-8.00
-5.500	446.198	8.00	-3.50	446.338	8.00	3049	+	0.00	8400107.206	282756.312	442.794	446.058	3.26	3.500	445.778	-8.00	5.50	445.318	-8.00
-5.500	446.245	8.00	-3.50	446.385	8.00	3049	+	9.23	8400112.522	282748.770	442.815	446.105	3.29	3.500	445.825	-8.00	5.50	445.365	-8.00
-5.500	446.300	8.00	-3.50	446.440	8.00	3050	+	0.00	8400119.092	282740.234	442.838	446.160	3.32	3.500	445.880	-8.00	5.50	445.420	-8.00
-5.500	446.401	8.00	-3.50	446.541	8.00	3051	+	0.00	8400132.080	282725.029	442.806	446.261	3.46	3.500	445.981	-8.00	5.50	445.521	-8.00
-5.500	446.503	8.00	-3.50	446.643	8.00	3052	+	0.00	8400145.679	282710.364	442.769	446.363	3.59	3.500	446.083	-8.00	5.50	445.623	-8.00
-5.500	446.539	8.00	-3.50	446.679	8.00	3052	+	7.23	8400150.655	282705.122	442.798	446.399	3.60	3.500	446.119	-8.00	5.50	445.659	-8.00
-5.500	446.604	8.00	-3.50	446.744	8.00	3053	+	0.00	8400159.455	282695.866	442.851	446.464	3.61	3.500	446.184	-8.00	5.50	445.724	-8.00
-5.500	446.683	8.00	-3.50	446.823	8.00	3053	+	15.50	8400170.135	282684.632	442.997	446.543	3.55	3.500	446.263	-8.00	5.50	445.803	-8.00
-5.500	446.706	8.00	-3.50	446.846	8.00	3054	+	0.00	8400173.236	282681.371	443.049	446.566	3.52	3.500	446.286	-8.00	5.50	445.826	-8.00
-5.500	446.807	8.00	-3.50	446.947	8.00	3055	+	0.00	8400187.147	282667.002	443.350	446.667	3.32	3.500	446.387	-8.00	5.50	445.927	-8.00
-5.500	446.909	8.00	-3.50	447.049	8.00	3056	+	0.00	8400201.576	282653.156	443.537	446.769	3.23	3.500	446.489	-8.00	5.50	446.029	-8.00
-5.500	446.977	8.00	-3.50	447.117	8.00	3056	+	13.50	8400211.798	282644.340	443.560	446.837	3.28	3.500	446.557	-8.00	5.50	446.097	-8.00
-5.500	447.010	8.00	-3.50	447.150	8.00	3057	+	0.00	8400216.890	282640.301	443.579	446.870	3.29	3.500	446.590	-8.00	5.50	446.130	-8.00
-5.500	447.105	8.00	-3.50	447.245	8.00	3058	+	0.00	8400233.245	282628.80	443.560	446.965	3.40	3.500	446.685	-8.00	5.50	446.225	-8.00
-5.500	447.155	8.00	-3.50	447.295	8.00	3059	+	0.00	8400250.537	282618.763	443.611	447.015	3.40	3.500	446.735	-8.00	5.50	446.275	-8.00
-5.500	447.158	8.00	-3.50	447.298	8.00	3059	+	3.91	8400254.125	282617.219	443.614	447.018	3.40	3.500	446.738	-8.00	5.50	446.278	-8.00
-5.500	447.152	8.00	-3.50	447.292	8.00	3060	+	0.00	8400268.635	282610.266	443.658	447.012	3.35	3.500	446.732	-8.00	5.50	446.272	-8.00
-5.500	447.096	8.00	-3.50	447.236	8.00	3061	+	0.00	8400287.403	282603.373	443.755	446.956	3.20	3.500	446.676	-8.00	5.50	446.216	-8.00
-5.500	447.024	8.00	-3.50	447.164	8.00	3061	+	14.32	8400301.175	282599.452	443.909	446.884	2.98	3.500	446.604	-8.00	5.50	446.144	-8.00
-5.500	446.945	7.22	-3.50	447.101	7.22	3062	+	0.00	8400306.698	282598.133	443.992	446.848	2.86	3.500	446.595	-7.22	5.50	446.151	-7.22
-5.500	446.640	4.46	-3.50	446.851	4.46	3063	+	0.00	8400326.340	282594.385	444.127	446.695	2.57	3.500	446.539	-4.46	5.50	446.150	-4.46
-5.500	446.329	1.70	-3.50	446.595	1.70	3064	+	0.00	8400346.144	282591.593	444.124	446.535	2.41	3.500	446.395	-4.00	5.50	446.015	-4.00
-5.500	446.136	0.00	-3.50	446.436	0.00	3064	+	12.32	8400358.373	282590.092	444.093	446.436	2.34	3.500	446.296	-4.00	5.50	445.916	-4.00
-5.500	446.017	-1.06	-3.50	446.338	-1.06	3065	+	0.00	8400365.997	282589.172	443.976	446.375	2.40	3.500	446.235	-4.00	5.50	445.855	-4.00
-5.500	445.705	-3.82	-3.50	446.081	-3.82	3066	+	0.00	8400385.852	282586.774	443.405	446.215	2.81	3.500	446.075	-4.00	5.50	445.695	-4.00
-5.500	445.535	-4.00	-3.50	445.915	-4.00	3067	+	0.00	8400405.708	282584.377	443.023	446.055	3.03	3.500	445.915	-4.00	5.50	445.535	-4.00
-5.500	445.375	-4.00	-3.50	445.755	-4.00	3068	+	0.00	8400425.564	282581.979	443.010	445.895	2.88	3.500	445.755	-4.00	5.50	445.375	-4.00
-5.500	445.215	-4.00	-3.50	445.595	-4.00	3069	+	0.00	8400445.420	282579.581	442.837	445.735	2.90	3.500	445.595	-4.00	5.50	445.215	-4.00
-5.500	445.055	-4.00	-3.50	445.435	-4.00	3070	+	0.00	8400465.275	282577.184	442.878	445.575	2.70	3.500	445.435	-4.00	5.50	445.055	-4.00
-5.500	444.895	-4.00	-3.50	445.275	-4.00	3071	+	0.00	8400485.131	282574.786	442.900	445.415	2.52	3.500	445.275	-4.00	5.50	444.895	-4.00
-5.500	444.735	-4.00	-3.50	445.115	-4.00	3072	+	0.00	8400504.987	282572.389	443.032	445.255	2.22	3.500	445.115	-4.00	5.50	444.735	-4.00
-5.500	444.575	-4.00	-3.50	444.955	-4.00	3073	+	0.00	8400524.843	282569.991	443.022	445.095	2.07	3.500	444.955	-4.00	5.50	444.575	-4.00
-5.500	444.415	-4.00	-3.50	444.795	-4.00	3074	+	0.00	8400544.698	282567.593	442.867	444.935	2.07	3.500	444.795	-4.00	5.50	444.415	-4.00
-5.500	444.255	-4.00	-3.50	444.635	-4.00	3075	+	0.00	8400564.554	282565.196	443.031	444.775	1.74	3.500	444.635	-4.00	5.50	444.255	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	444.095	-4.00	-3.50	444.475	-4.00	3076	+	0.00	8400584.410	282562.798	443.278	444.615	1.34	3.500	444.553	-1.76	5.50	444.218	-1.76
-5.500	443.993	-4.00	-3.50	444.373	-4.00	3076	+	12.77	8400597.088	282561.267	443.308	444.513	1.20	3.500	444.513	0.00	5.50	444.213	0.00
-5.500	443.935	-4.00	-3.50	444.315	-4.00	3077	+	0.00	8400604.265	282560.396	443.302	444.455	1.15	3.500	444.490	1.00	5.50	444.210	1.00
-5.500	443.775	-4.00	-3.50	444.155	-4.00	3078	+	0.00	8400624.089	282557.753	442.852	444.295	1.44	3.500	444.427	3.76	5.50	444.202	3.76
-5.500	443.477	-6.51	-3.50	443.907	-6.51	3079	+	0.00	8400643.787	282554.303	442.485	444.135	1.65	3.500	444.363	6.51	5.50	444.193	6.51
-5.500	443.309	-8.00	-3.50	443.769	-8.00	3079	+	10.77	8400654.287	282551.908	442.365	444.049	1.68	3.500	444.329	8.00	5.50	444.189	8.00
-5.500	443.235	-8.00	-3.50	443.695	-8.00	3080	+	0.00	8400663.190	282549.479	442.323	443.975	1.65	3.500	444.255	8.00	5.50	444.115	8.00
-5.500	443.075	-8.00	-3.50	443.535	-8.00	3081	+	0.00	8400682.106	282543.003	442.120	443.815	1.69	3.500	444.095	8.00	5.50	443.955	8.00
-5.500	442.915	-8.00	-3.50	443.375	-8.00	3082	+	0.00	8400700.388	282534.909	442.098	443.655	1.56	3.500	443.935	8.00	5.50	443.795	8.00
-5.500	442.762	-8.00	-3.50	443.222	-8.00	3083	+	0.00	8400717.898	282525.257	442.054	443.502	1.45	3.500	443.782	8.00	5.50	443.642	8.00
-5.500	442.656	-8.00	-3.50	443.116	-8.00	3084	+	0.00	8400734.503	282514.121	441.976	443.396	1.42	3.500	443.676	8.00	5.50	443.536	8.00
-5.500	442.604	-8.00	-3.50	443.064	-8.00	3085	+	0.00	8400750.079	282501.585	441.894	443.344	1.45	3.500	443.624	8.00	5.50	443.484	8.00
-5.500	442.605	-8.00	-3.50	443.065	-8.00	3085	+	18.76	8400763.657	282488.625	441.789	443.345	1.56	3.500	443.625	8.00	5.50	443.485	8.00
-5.500	442.606	-8.00	-3.50	443.066	-8.00	3086	+	0.00	8400764.507	282487.744	441.780	443.346	1.57	3.500	443.626	8.00	5.50	443.486	8.00
-5.500	442.663	-8.00	-3.50	443.123	-8.00	3087	+	0.00	8400777.678	282472.702	441.870	443.403	1.53	3.500	443.683	8.00	5.50	443.543	8.00
-5.500	442.767	-8.00	-3.50	443.227	-8.00	3088	+	0.00	8400789.494	282456.573	441.843	443.507	1.66	3.500	443.787	8.00	5.50	443.647	8.00
-5.500	442.877	-8.00	-3.50	443.337	-8.00	3089	+	0.00	8400799.864	282439.479	441.862	443.617	1.76	3.500	443.897	8.00	5.50	443.757	8.00
-5.500	442.988	-8.00	-3.50	443.448	-8.00	3090	+	0.00	8400808.710	282421.548	441.898	443.728	1.83	3.500	444.008	8.00	5.50	443.868	8.00
-5.500	443.099	-8.00	-3.50	443.559	-8.00	3091	+	0.00	8400815.965	282402.918	442.072	443.839	1.77	3.500	444.119	8.00	5.50	443.979	8.00
-5.500	443.209	-8.00	-3.50	443.669	-8.00	3092	+	0.00	8400821.575	282383.727	442.047	443.949	1.90	3.500	444.229	8.00	5.50	444.089	8.00
-5.500	443.246	-8.00	-3.50	443.706	-8.00	3092	+	6.75	8400823.090	282377.146	442.057	443.986	1.93	3.500	444.266	8.00	5.50	444.126	8.00
-5.500	443.399	-6.56	-3.50	443.830	-6.56	3093	+	0.00	8400825.526	282364.127	442.053	444.060	2.01	3.500	444.189	3.69	5.50	443.963	3.69
-5.500	443.629	-4.39	-3.50	444.016	-4.39	3094	+	0.00	8400828.158	282344.303	441.940	444.170	2.23	3.500	444.071	-2.82	5.50	443.715	-2.82
-5.500	443.827	-2.80	-3.50	444.183	-2.80	3095	+	0.00	8400830.053	282324.394	442.069	444.281	2.21	3.500	444.141	-4.00	5.50	443.761	-4.00
-5.500	443.888	-2.16	-3.50	444.231	-2.16	3095	+	4.75	8400830.461	282319.657	442.064	444.307	2.24	3.500	444.167	-4.00	5.50	443.787	-4.00
-5.500	444.084	-0.12	-3.50	444.387	-0.12	3096	+	0.00	8400831.762	282304.467	441.992	444.391	2.40	3.500	444.251	-4.00	5.50	443.871	-4.00
-5.500	444.277	1.88	-3.50	444.540	1.88	3096	+	14.87	8400833.032	282289.647	441.945	444.474	2.53	3.500	444.334	-4.00	5.50	443.954	-4.00
-5.500	444.343	2.57	-3.50	444.592	2.57	3097	+	0.00	8400833.490	282284.541	441.956	444.502	2.55	3.500	444.362	-4.00	5.50	443.982	-4.00
-5.500	444.572	4.70	-3.50	444.778	4.70	3098	+	0.00	8400835.661	282264.660	441.933	444.613	2.68	3.500	444.449	-4.70	5.50	444.055	-4.70
-5.500	444.682	4.70	-3.50	444.888	4.70	3099	+	0.00	8400838.442	282244.856	441.938	444.723	2.79	3.500	444.559	-4.70	5.50	444.165	-4.70
-5.500	444.793	4.70	-3.50	444.999	4.70	3100	+	0.00	8400841.831	282225.146	441.852	444.834	2.98	3.500	444.670	-4.70	5.50	444.276	-4.70
-5.500	444.903	4.70	-3.50	445.109	4.70	3101	+	0.00	8400845.825	282205.549	441.787	444.944	3.16	3.500	444.780	-4.70	5.50	444.386	-4.70
-5.500	444.966	4.70	-3.50	445.172	4.70	3101	+	11.34	8400848.362	282194.499	441.752	445.007	3.26	3.500	444.843	-4.70	5.50	444.449	-4.70
-5.500	445.014	4.70	-3.50	445.220	4.70	3102	+	0.00	8400850.420	282186.085	441.724	445.055	3.33	3.500	444.891	-4.70	5.50	444.497	-4.70
-5.500	445.125	4.70	-3.50	445.331	4.70	3103	+	0.00	8400855.612	282166.772	441.761	445.166	3.40	3.500	445.002	-4.70	5.50	444.608	-4.70
-5.500	445.235	4.70	-3.50	445.441	4.70	3104	+	0.00	8400861.395	282147.627	441.817	445.276	3.46	3.500	445.112	-4.70	5.50	444.718	-4.70
-5.500	445.346	4.70	-3.50	445.552	4.70	3105	+	0.00	8400867.765	282128.669	441.832	445.387	3.56	3.500	445.223	-4.70	5.50	444.829	-4.70
-5.500	445.358	2.93	-3.50	445.600	2.93	3106	+	0.00	8400874.715	282109.916	441.818	445.497	3.68	3.500	445.357	-4.00	5.50	444.977	-4.00
-5.500	445.344	1.88	-3.50	445.607	1.88	3106	+	7.82	8400877.586	282102.648	441.786	445.541	3.76	3.500	445.401	-4.00	5.50	445.021	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	445.321	0.24	-3.50	445.616	0.24	3107	+	0.00	8400882.132	282091.343	441.816	445.608	3.79	3.500	445.468	-4.00	5.50	445.088	-4.00
-5.500	445.285	-2.44	-3.50	445.634	-2.44	3108	+	0.00	8400889.594	282072.787	441.852	445.719	3.87	3.500	445.579	-4.00	5.50	445.199	-4.00
-5.500	445.309	-4.00	-3.50	445.689	-4.00	3109	+	0.00	8400897.055	282054.231	441.961	445.829	3.87	3.500	445.689	-4.00	5.50	445.309	-4.00
-5.500	445.420	-4.00	-3.50	445.800	-4.00	3110	+	0.00	8400904.517	282035.675	441.981	445.940	3.96	3.500	445.800	-4.00	5.50	445.420	-4.00
-5.500	445.530	-4.00	-3.50	445.910	-4.00	3111	+	0.00	8400911.978	282017.118	441.889	446.050	4.16	3.500	445.910	-4.00	5.50	445.530	-4.00
-5.500	445.641	-4.00	-3.50	446.021	-4.00	3112	+	0.00	8400919.439	281998.562	441.879	446.161	4.28	3.500	446.021	-4.00	5.50	445.641	-4.00
-5.500	445.751	-4.00	-3.50	446.131	-4.00	3113	+	0.00	8400926.901	281980.006	441.720	446.271	4.55	3.500	446.131	-4.00	5.50	445.751	-4.00
-5.500	445.862	-4.00	-3.50	446.242	-4.00	3114	+	0.00	8400934.362	281961.450	441.674	446.382	4.71	3.500	446.242	-4.00	5.50	445.862	-4.00
-5.500	445.973	-4.00	-3.50	446.353	-4.00	3115	+	0.00	8400941.823	281942.894	441.695	446.493	4.80	3.500	446.353	-4.00	5.50	445.973	-4.00
-5.500	446.083	-4.00	-3.50	446.463	-4.00	3116	+	0.00	8400949.285	281924.338	441.699	446.603	4.90	3.500	446.463	-4.00	5.50	446.083	-4.00
-5.500	446.194	-4.00	-3.50	446.574	-4.00	3117	+	0.00	8400956.746	281905.782	441.646	446.714	5.07	3.500	446.574	-4.00	5.50	446.194	-4.00
-5.500	446.304	-4.00	-3.50	446.684	-4.00	3118	+	0.00	8400964.208	281887.226	441.684	446.824	5.14	3.500	446.684	-4.00	5.50	446.304	-4.00
-5.500	446.415	-4.00	-3.50	446.795	-4.00	3119	+	0.00	8400971.669	281868.670	441.657	446.935	5.28	3.500	446.795	-4.00	5.50	446.415	-4.00
-5.500	446.526	-4.00	-3.50	446.906	-4.00	3120	+	0.00	8400979.130	281850.114	441.749	447.046	5.30	3.500	446.906	-4.00	5.50	446.526	-4.00
-5.500	446.636	-4.00	-3.50	447.016	-4.00	3121	+	0.00	8400986.592	281831.558	441.957	447.156	5.20	3.500	447.016	-4.00	5.50	446.636	-4.00
-5.500	446.747	-4.00	-3.50	447.127	-4.00	3122	+	0.00	8400994.053	281813.002	442.174	447.267	5.09	3.500	447.127	-4.00	5.50	446.747	-4.00
-5.500	446.857	-4.00	-3.50	447.237	-4.00	3123	+	0.00	8401001.515	281794.446	442.560	447.377	4.82	3.500	447.237	-4.00	5.50	446.857	-4.00
-5.500	446.968	-4.00	-3.50	447.348	-4.00	3124	+	0.00	8401008.976	281775.890	443.057	447.488	4.43	3.500	447.348	-4.00	5.50	446.968	-4.00
-5.500	447.079	-4.00	-3.50	447.459	-4.00	3125	+	0.00	8401016.437	281757.333	443.510	447.599	4.09	3.500	447.459	-4.00	5.50	447.079	-4.00
-5.500	447.168	-4.00	-3.50	447.548	-4.00	3126	+	0.00	8401023.899	281738.777	444.048	447.688	3.64	3.500	447.548	-4.00	5.50	447.168	-4.00
-5.500	447.215	-4.00	-3.50	447.595	-4.00	3127	+	0.00	8401031.360	281720.221	444.171	447.735	3.56	3.500	447.595	-4.00	5.50	447.215	-4.00
-5.500	447.220	-4.00	-3.50	447.600	-4.00	3128	+	0.00	8401038.821	281701.665	444.052	447.740	3.69	3.500	447.613	-3.62	5.50	447.241	-3.62
-5.500	447.183	-4.00	-3.50	447.563	-4.00	3129	+	0.00	8401046.283	281683.109	443.848	447.703	3.85	3.500	447.672	-0.90	5.50	447.354	-0.90
-5.500	447.105	-4.00	-3.50	447.485	-4.00	3129	+	19.78	8401053.663	281664.756	443.630	447.625	4.00	3.500	447.688	1.80	5.50	447.424	1.80
-5.500	447.104	-4.00	-3.50	447.484	-4.00	3130	+	0.00	8401053.744	281664.553	443.629	447.624	4.00	3.500	447.688	1.83	5.50	447.425	1.83
-5.500	446.977	-4.50	-3.50	447.367	-4.50	3131	+	0.00	8401060.934	281645.891	443.435	447.524	4.09	3.500	447.682	4.50	5.50	447.472	4.50
-5.500	446.876	-4.50	-3.50	447.266	-4.50	3132	+	0.00	8401067.587	281627.031	443.136	447.423	4.29	3.500	447.581	4.50	5.50	447.371	4.50
-5.500	446.776	-4.50	-3.50	447.166	-4.50	3133	+	0.00	8401073.699	281607.988	442.871	447.323	4.45	3.500	447.481	4.50	5.50	447.271	4.50
-5.500	446.676	-4.50	-3.50	447.066	-4.50	3134	+	0.00	8401079.264	281588.779	442.698	447.223	4.53	3.500	447.381	4.50	5.50	447.171	4.50
-5.500	446.597	-4.50	-3.50	446.987	-4.50	3134	+	15.74	8401083.234	281573.553	442.561	447.144	4.58	3.500	447.302	4.50	5.50	447.092	4.50
-5.500	446.575	-4.50	-3.50	446.965	-4.50	3135	+	0.00	8401084.279	281569.418	442.558	447.122	4.56	3.500	447.280	4.50	5.50	447.070	4.50
-5.500	446.475	-4.50	-3.50	446.865	-4.50	3136	+	0.00	8401088.738	281549.922	442.486	447.022	4.54	3.500	447.180	4.50	5.50	446.970	4.50
-5.500	446.375	-4.50	-3.50	446.765	-4.50	3137	+	0.00	8401092.639	281530.307	442.433	446.922	4.49	3.500	447.080	4.50	5.50	446.870	4.50
-5.500	446.274	-4.50	-3.50	446.664	-4.50	3138	+	0.00	8401095.977	281510.588	442.494	446.821	4.33	3.500	446.979	4.50	5.50	446.769	4.50
-5.500	446.201	-4.00	-3.50	446.581	-4.00	3139	+	0.00	8401098.751	281490.782	442.530	446.721	4.19	3.500	446.840	3.40	5.50	446.608	3.40
-5.500	446.142	-4.00	-3.50	446.522	-4.00	3139	+	11.70	8401100.111	281479.163	442.540	446.662	4.12	3.500	446.725	1.80	5.50	446.461	1.80
-5.500	446.101	-4.00	-3.50	446.481	-4.00	3140	+	0.00	8401101.007	281470.910	442.549	446.621	4.07	3.500	446.644	0.67	5.50	446.358	0.67
-5.500	446.000	-4.00	-3.50	446.380	-4.00	3141	+	0.00	8401103.165	281451.027	442.384	446.520	4.14	3.500	446.448	-2.06	5.50	446.107	-2.06
-5.500	445.900	-4.00	-3.50	446.280	-4.00	3142	+	0.00	8401105.324	281431.144	442.003	446.420	4.42	3.500	446.280	-4.00	5.50	445.900	-4.00

LADO ESQUERDO						EIXO EXISTENTE								LADO DIREITO					
Bordo Acostamento			Bordo Pista			Estaca			Coordenadas		Cota Terreno	Cota Projeto	Cota Vermelha	Bordo Pista			Bordo Acostamento		
afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)				Norte	Este				afast. (m)	cota pav.	Incl. (%)	afast. (m)	cota pav.	Incl. (%)
Notas de Serviço - Rodovia GO-236 - Implantação Rodoviária - Pavimento acabado																			
-5.500	445.799	-4.00	-3.50	446.179	-4.00	3143	+	0.00	8401107.483	281411.261	441.792	446.319	4.53	3.500	446.179	-4.00	5.50	445.799	-4.00
-5.500	445.699	-4.00	-3.50	446.079	-4.00	3144	+	0.00	8401109.642	281391.378	441.655	446.219	4.56	3.500	446.079	-4.00	5.50	445.699	-4.00
-5.500	445.599	-4.00	-3.50	445.979	-4.00	3145	+	0.00	8401111.80	281371.495	441.653	446.119	4.47	3.500	445.979	-4.00	5.50	445.599	-4.00
-5.500	445.498	-4.00	-3.50	445.878	-4.00	3146	+	0.00	8401113.959	281351.611	441.625	446.018	4.39	3.500	445.878	-4.00	5.50	445.498	-4.00
-5.500	445.398	-4.00	-3.50	445.778	-4.00	3147	+	0.00	8401116.118	281331.728	441.643	445.918	4.28	3.500	445.778	-4.00	5.50	445.398	-4.00
-5.500	445.298	-4.00	-3.50	445.678	-4.00	3148	+	0.00	8401118.277	281311.845	441.636	445.818	4.18	3.500	445.678	-4.00	5.50	445.298	-4.00
-5.500	445.197	-4.00	-3.50	445.577	-4.00	3149	+	0.00	8401120.435	281291.962	441.700	445.717	4.02	3.500	445.577	-4.00	5.50	445.197	-4.00
-5.500	445.097	-4.00	-3.50	445.477	-4.00	3150	+	0.00	8401122.594	281272.079	441.825	445.617	3.79	3.500	445.477	-4.00	5.50	445.097	-4.00
-5.500	444.997	-4.00	-3.50	445.377	-4.00	3151	+	0.00	8401124.753	281252.196	442.003	445.517	3.51	3.500	445.377	-4.00	5.50	444.997	-4.00
-5.500	444.896	-4.00	-3.50	445.276	-4.00	3152	+	0.00	8401126.911	281232.312	442.314	445.416	3.10	3.500	445.276	-4.00	5.50	444.896	-4.00
-5.500	444.796	-4.00	-3.50	445.176	-4.00	3153	+	0.00	8401129.070	281212.429	442.520	445.316	2.80	3.500	445.176	-4.00	5.50	444.796	-4.00
-5.500	444.696	-4.00	-3.50	445.076	-4.00	3154	+	0.00	8401131.229	281192.546	442.709	445.216	2.51	3.500	445.076	-4.00	5.50	444.696	-4.00
-5.500	444.595	-4.00	-3.50	444.975	-4.00	3155	+	0.00	8401133.388	281172.663	442.474	445.115	2.64	3.500	444.975	-4.00	5.50	444.595	-4.00
-5.500	444.495	-4.00	-3.50	444.875	-4.00	3156	+	0.00	8401135.546	281152.780	441.810	445.015	3.20	3.500	444.875	-4.00	5.50	444.495	-4.00
-5.500	444.395	-4.00	-3.50	444.775	-4.00	3157	+	0.00	8401137.705	281132.897	441.809	444.915	3.11	3.500	444.775	-4.00	5.50	444.395	-4.00
-5.500	444.294	-4.00	-3.50	444.674	-4.00	3158	+	0.00	8401139.864	281113.014	441.909	444.814	2.91	3.500	444.674	-4.00	5.50	444.294	-4.00
-5.500	444.194	-4.00	-3.50	444.574	-4.00	3159	+	0.00	8401142.023	281093.130	441.951	444.714	2.76	3.500	444.574	-4.00	5.50	444.194	-4.00
-5.500	444.093	-4.00	-3.50	444.473	-4.00	3160	+	0.00	8401144.181	281073.247	441.953	444.613	2.66	3.500	444.473	-4.00	5.50	444.093	-4.00
-5.500	444.029	-4.00	-3.50	444.409	-4.00	3160	+	12.77	8401145.559	281060.556	442.001	444.549	2.55	3.500	444.409	-4.00	5.50	444.029	-4.00
-5.500	443.993	-4.00	-3.50	444.373	-4.00	3161	+	0.00	8401146.348	281053.365	442.179	444.513	2.33	3.500	444.373	-4.00	5.50	443.993	-4.00
-5.500	443.952	-4.00	-3.50	444.332	-4.00	3161	+	8.17	8401147.276	281045.218	442.395	444.472	2.08	3.500	444.332	-4.00	5.50	443.952	-4.00
-5.500	443.893	-4.00	-3.50	444.273	-4.00	3162	+	0.00	8401148.612	281033.494	442.866	444.413	1.55	3.500	444.273	-4.00	5.50	443.893	-4.00
-5.500	443.875	-4.00	-3.50	444.255	-4.00	3162	+	3.58	8401149.030	281029.939	442.997	444.395	1.40	3.500	444.255	-4.00	5.50	443.875	-4.00
-5.500	443.792	-4.00	-3.50	444.172	-4.00	3163	+	0.00	8401150.957	281013.632	443.387	444.312	0.93	3.500	444.172	-4.00	5.50	443.792	-4.00
-5.500	443.692	-4.00	-3.50	444.072	-4.00	3164	+	0.00	8401153.305	280993.770	443.345	444.212	0.87	3.500	444.072	-4.00	5.50	443.692	-4.00
-5.500	443.592	-4.00	-3.50	443.972	-4.00	3165	+	0.00	8401155.652	280973.908	443.059	444.112	1.05	3.500	443.972	-4.00	5.50	443.592	-4.00
-5.500	443.491	-4.00	-3.50	443.871	-4.00	3166	+	0.00	8401157.999	280954.046	442.943	444.011	1.07	3.500	443.871	-4.00	5.50	443.491	-4.00
-5.500	443.391	-4.00	-3.50	443.771	-4.00	3167	+	0.00	8401160.346	280934.184	442.825	443.911	1.09	3.500	443.771	-4.00	5.50	443.391	-4.00
-5.500	443.291	-4.00	-3.50	443.671	-4.00	3168	+	0.00	8401162.693	280914.323	442.912	443.811	0.90	3.500	443.671	-4.00	5.50	443.291	-4.00
-5.500	443.202	-4.00	-3.50	443.582	-4.00	3168	+	17.66	8401164.765	280896.788	443.019	443.722	0.70	3.500	443.582	-4.00	5.50	443.202	-4.00

IV. PROJETO DE OBRA DE ARTE ESPECIAL

1- Utilizar dispositivos distanciadores e espaçadores que garantam os cobrimentos e posicionamentos das armaduras.

2- As armaduras deverão estar limpas e isentas de quaisquer substâncias que prejudiquem sua aderência ao concreto, inclusive escamas de oxidação.

3- Obedecer aos diâmetros de dobramento das barras de aço especificados pela NBR 6118.

4- Limpar as formas e vedar todas as juntas antes do lançamento do concreto. Em hipótese alguma a concretagem poderá ocorrer sobre raspa, pó, pedaços de madeira ou qualquer outro corpo estranho a estrutura.

5- Os volumes de concreto indicados nas plantas de formas das fundações e do tabuleiro, referem-se a toda obra de arte e os quantitativos de aço indicados nas demais plantas referem-se aos elementos constantes em cada uma delas.

6- O cumprimento por parte deste projeto, das normas pertinentes em vigência, não isenta o proprietário da responsabilidade de inspeções e manutenções periódicas na estrutura.

7- Modificação neste projeto, utilização do todo ou parte do projeto em obra diferente da especificada, ou sua repetição sem autorização, sujeitará os responsáveis as penas da legislação vigente.

8- Este projeto foi uso das normas técnicas da ABNT pertinentes a esta área, sendo elas: NBR 7187, NBR 7188, NBR 6118, NBR 6120, NBR 6122, NBR 6123, NBR 8681, NBR 12655.

DADOS DO PROJETO

- CLASSE DE AGRESSIVIDADE AMBIENTAL II	- FATOR ÁGUA/CIMENTO:
- CONSUMO DE CIMENTO > ou = 280Kg/m³	PARA CONCRETO ARMADO: < ou = 0,60
- VIDA UTIL DO PROJETO (VUP) DE 50 ANOS	PARA CONCRETO PROTENDIDO: < ou = 0,55
- fcj = 25 MPa	
PARA ESTACAS DO TIPO RAIZ	
- CONSUMO DE CIMENTO > ou = 600Kg/m³	- FATOR ÁGUA/CIMENTO ENTRE 0,50 E 0,60
- AGREGADO: AREIA	

COBRIMENTOS

Armaduras Passivas (CA-50 e CA-60)				Armaduras Ativas	
Pilares e Vigas	2.5 cm	Elementos em contato com solo:		Vigas	3.0 cm
Lajes	2.0 cm	Pilares	4.0 cm	Lajes	2.5 cm
Fundações	5.0 cm	Vigas e Lajes	2.5 cm		

Atenção: Deve ser adotado controle rigoroso de qualidade e rígidos limites de tolerância da variabilidade das medidas durante a execução.

TREM TIPO: CLASSE 45

CARACTERÍSTICAS DO CONCRETO

Elementos:	fck (MPa)	Elementos:	fck (MPa)	Elementos:	fck (MPa)
Estacas	20	Lajes de Aproximação	30	Lajes	35
Blocos	30	Longarinas	35	Guarda Rodas	35
Pilares	30	Transversinas	35		
Travessas	30	Alas	35		

- MÓDULOS DE ELASTICIDADE:

PARA fck = 25 MPa	Ecs = 24.2 GPa	PARA fck = 50 MPa	Ecs = 36.6 GPa
PARA fck = 30 MPa	Ecs = 25.8 GPa	PARA fck = 55 MPa	Ecs = 38.1 GPa
PARA fck = 35 MPa	Ecs = 29.4 GPa	PARA fck = 60 MPa	Ecs = 39.6 GPa
PARA fck = 40 MPa	Ecs = 31.9 GPa	PARA fck = 65 MPa	Ecs = 41.0 GPa
PARA fck = 45 MPa	Ecs = 34.3 GPa	PARA fck = 70 MPa	Ecs = 42.4 GPa

Revisão Nº	Data	Descrição da Revisão	Responsável
08			
07			
06			
05			
04			
03			
02			
01			
00	10/02/2025	EMISSÃO INICIAL	ENGº HÉRBIO

PROJETO ESTRUTURAL

Autores do Projeto:

AGNALDO JOSÉ DE OLIVEIRA JÚNIOR
CREA: 5069103486/D-SP

HÉRBIO HENRIQUE LOPES
CREA: 2091BD-GO

Etapa do Projeto:	Projeto Nº:	Escala:	Data:
PROJETO EXECUTIVO	24_0108	1:150	10/02/2025

Conteúdo:
IMPLANTAÇÃO

AGÊNCIA GOIANA DE INFRAESTRUTURA E TRANSPORTES - GOINFRA

Ponte sobre o Rio dos Macacos na Rodovia GO-236 | Trecho: Flores de Goiás - Entr. BR-020

PROJETO DE OBRA DE ARTE ESPECIAL | PROJETOS DE ESTRUTURAS E FUNDAÇÕES PARA OBRAS DE PONTES

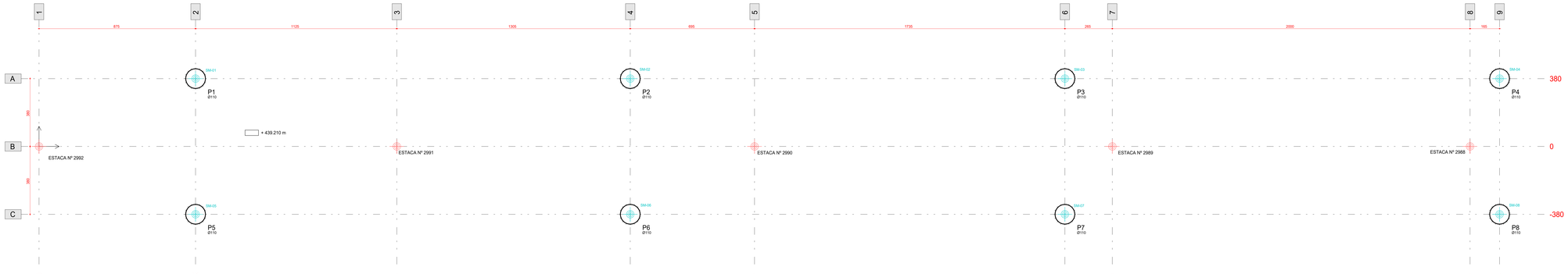
Folha Nº:	Revisão:	Unidades:		
001	R.00	Cota: cm	Carga: tf	Momento: tf.m

ESTA PLANTA DEVERÁ OBRIGATORIAMENTE SER PLOTADA COLORIDA

Arquivo:
24_108-001-IMP-EX-R00

DIREITOS AUTORAIS RESERVADOS. LEI Nº. 5194/66

DADOS PROJETOS ESTRUTURAIS\24_108-001-IMP-EX-R00.PLT 11/02/2025 11:19:48



LOCAÇÃO DOS PILARES
ESC.: 1:75

Baricentros de pilares			Coordenadas UTM:	
Pilar	X cm	Y cm	X	Y
P1	875.0	380.0	263754.7846	8400215.4336
P2	3305.0	380.0	263763.4766	8400227.2549
P3	5735.0	380.0	263776.1683	8400239.0764
P4	8165.0	380.0	263786.8601	8400250.8978
P5	875.0	-380.0	263761.6093	8400212.0896
P6	3305.0	-380.0	263772.3013	8400233.9110
P7	5735.0	-380.0	263782.9931	8400255.7324
P8	8165.0	-380.0	263793.6850	8400277.5538
ESTACA Nº 2988	8000.0	0.0	263785.5465	8400277.7443
ESTACA Nº 2989	6000.0	0.0	263780.7466	8400259.7842
ESTACA Nº 2990	4000.0	0.0	263771.9466	8400241.8239
ESTACA Nº 2991	2000.0	0.0	263763.1469	8400223.8641
ESTACA Nº 2992	0.0	0.0	263754.3468	8400205.9040

ESTAQUEAMENTO
PONTOS DE SONDAGEM

1- Utilizar dispositivos distanciadores e espaçadores que garantam os cobrimentos e posicionamentos das armaduras.
2- As armaduras deverão estar limpas e isentas de quaisquer substâncias que prejudiquem sua aderência ao concreto, inclusive escamas de oxidação.
3- Obedecer aos diâmetros de dobramento das barras de aço especificados pela NBR 6118.
4- Limpar as formas e vedar todas as juntas antes do lançamento do concreto. Em hipótese alguma a concretagem poderá ocorrer sobre neve, pó, pedaços de madeira ou qualquer outro corpo estranho a estrutura.
5- Os volumes de concreto indicados nas plantas de formas das fundações e do tabuleiro, referem-se a toda obra de arte e os quantitativos de aço indicados nas demais plantas referem-se aos elementos constantes em cada uma delas.
6- O cumprimento por parte deste projeto, das normas pertinentes em vigência, não isenta o proprietário da responsabilidade de inspeções e manutenções periódicas na estrutura.
7- Modificação neste projeto, utilização do todo ou parte do projeto em obra diferente da especificada, ou sua repetição sem autorização, sujeitará os responsáveis as penas da legislação vigente.
8- Este projeto foi uso das normas técnicas da ABNT pertinentes a esta área, sendo elas: NBR 7187, NBR 7188, NBR 6118, NBR 8100, NBR 6122, NBR 6123, NBR 8681, NBR 12655.

DADOS DO PROJETO

- CLASSE DE AGRESSIVIDADE AMBIENTAL II	- FATOR AGUACIMENTO:	
- CONSUMO DE CIMENTO ? ou = 280Kg/m³	PARA CONCRETO ARMADO:	< ou = 0.60
- VIDA ÚTIL DO PROJETO (VUP) DE 50 ANOS	PARA CONCRETO PROTENDIDO:	< ou = 0.55
- f'c ? 25 MPa		
	PARA ESTACAS DO TIPO RAIZ	
- CONSUMO DE CIMENTO ? ou = 600Kg/m³	- FATOR AGUACIMENTO ENTRE 0.50 E 0.60	
- AGREGADO: AREIA		

COBRIMENTOS

Armaduras Passivas (CA-50 e CA-60)				Armaduras Ativas	
Pilares e Vigas	2.5 cm	Elementos em contato com solo:		Vigas	3.0 cm
Lajes	2.0 cm	Pilares	4.5 cm	Lajes	2.5 cm
Fundações	5.0 cm	Vigas e Lajes	2.5 cm		

Atenção: Deve ser adotado controle rigoroso de qualidade e rígidos limites de tolerância da variabilidade das medidas durante a execução.

TREM TIPO: CLASSE 45

CARACTERÍSTICAS DO CONCRETO

Elementos:	fck (MPa)	Elementos:	fck (MPa)	Elementos:	fck (MPa)
Estacas	20	Lajes de Aproximação	30	Lajes	35
Blocos	30	Longarinas	35	Guarda Rodas	35
Pilares	30	Transversinas	35		
Travessas	30	Ales	35		

- MÓDULOS DE ELASTICIDADE:

PARA fck = 25 MPa:	Eci = 24.2 GPa	PARA fck = 50 MPa:	Eci = 36.8 GPa
PARA fck = 30 MPa:	Eci = 26.8 GPa	PARA fck = 55 MPa:	Eci = 38.1 GPa
PARA fck = 35 MPa:	Eci = 29.4 GPa	PARA fck = 60 MPa:	Eci = 39.8 GPa
PARA fck = 40 MPa:	Eci = 31.9 GPa	PARA fck = 65 MPa:	Eci = 41.0 GPa
PARA fck = 45 MPa:	Eci = 34.3 GPa	PARA fck = 70 MPa:	Eci = 42.4 GPa

Revisão Nº	Data	Descrição da Revisão	Responsável
08			
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00	10/02/2025	EMISSÃO INICIAL	ENGº HÉRBIO

PROJETO ESTRUTURAL

Autores do Projeto:
AGNALDO JOSÉ DE OLIVEIRA JÚNIOR — CREA: 5069100MBD-SP
HÉRBIO HENRIQUE LOPES — CREA: 2991851/GO

Etapa do Projeto:	Projeto Nº:	Escala:	Data:
PROJETO EXECUTIVO	24_0108	1:75	10/02/2025

Conteúdo:
LOCAÇÃO DOS PILARES

AGÊNCIA GOIANA DE INFRAESTRUTURA E TRANSPORTES - GOINFRA

Ponte sobre o Rio dos Macacos na Rodovia GO-236 | Trecho: Flores de Goiás - Entr. BR-020

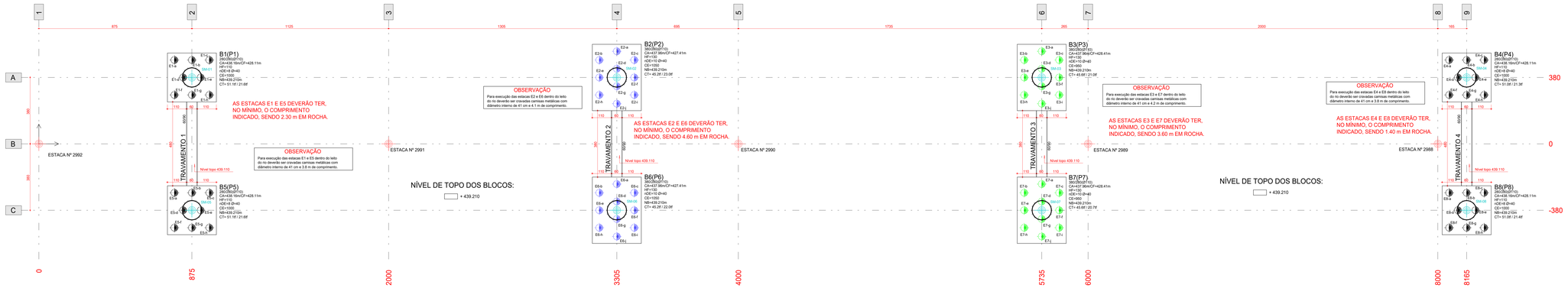
PROJETO DE OBRA DE ARTE ESPECIAL | PROJETOS DE ESTRUTURAS E FUNDAÇÕES PARA OBRAS DE PONTES

Folha Nº:	Revisão:	Unidades:	
002	R00	Cota: cm	Carga: tf Momento: tf.m

ESTA PLANTA DEVERÁ OBRIGATORIAMENTE SER PLOTADA COLORIDA.
DIREITOS AUTORAIS RESERVADOS. LEI Nº 9.594/98

Arquivo:
04_166-0024-LOC-EX-R00

DATA PACKET:0166-0024_R_01_REVISÃO:00_DATA:11/02/2025 15:58:57

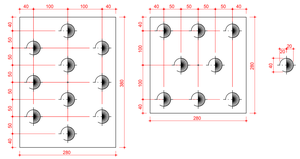


PLANTA DE FORMAS DAS FUNDAÇÕES
ESC.:1:75

Resistência Geotécnica das Estacas:

Para estacas E1 e E5 (SM-01 e SM-05):
Compressão = 57.84 tf / Tração: -18.22 tf
Para estacas E2 e E6 (SM-02 e SM-06):
Compressão = 57.49 tf / Tração: -17.97 tf
Para estacas E3 e E7 (SM-03 e SM-07):
Compressão = 60.84 tf / Tração: -20.32 tf
Para estacas E4 e E8 (SM-04 e SM-08):
Compressão = 60.80 tf / Tração: -20.30 tf

ESTAQUEAMENTO
PONTOS DE SONDAGEM



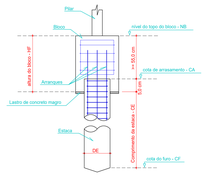
DETALHES DAS FUNDAÇÕES
ESC.:1:50

TABELA DE ESTACAS

Símbolo	Tipo	Quantidade (un)	Diâmetro (cm)	Comprimento unitário (cm)	Comprimento total (m)
	Estaca RAIZ	20	40	950	190
	Estaca RAIZ	32	40	1000	320
	Estaca RAIZ	20	40	1050	210

RESUMO DE MATERIAIS TOTAL DA FUNDAÇÃO

	Blocos	Estacas
Forma (m²)	191.84	
Concreto (m³)	89.80	90.48



Corte esquemático bloco sobre estaca
ESC.: Sem escala

LEGENDA DOS BLOCOS:
Bx (Px)
H / B (h / b ou Ø)
HF
hDE
CE

Onde:
Bx - Nome do bloco
Px - Nome do pilar
H e B - Dimensões do bloco (cm)
h / b ou Ø - Dimensões do pilar (cm)
HF - Altura do bloco (cm)
n - Número de estacas no bloco
DE - Diâmetro das estacas (cm)
CE - Comprimento das estacas (cm)

NOTAS :

1. Todas as ESTACAS são do tipo RAIZ.

2. O diâmetro nominal das estacas é de 40 cm e o diâmetro mínimo externo do tubo de revestimento é de 35.5 cm conforme especifica a NBR 6122/2022 anexo K, item K.3.1, tabela K.1.

3. Foi considerado a resistência de ponta no calculo da capacidade de carga geotécnica das estacas;

4. Quando houver rocha:
- O diâmetro das estacas é de 40 cm para camadas de solo, podendo ser reduzido para 30 cm em camadas de rocha;
- O comprimento das estacas em camadas de solo e camadas de rocha deverão ser verificados no campo, obedecendo o comprimento mínimo das estacas e no mínimo 80 cm de comprimento inseridos na rocha;

5. Quando houver blocos elevados no leito do rio:
- Deverão ser cravadas camisas metálicas com diâmetro interno do tubo de 41 cm para execução das estacas;

6. As estacas deverão obedecer a profundidade mínima (CE) como indicado na planta de formas dos blocos;

7. A profundidade das estacas deverá ser cotada a partir da face inferior do respectivo bloco;

8. A locação das estacas será feita a partir da planta de locação e formas dos blocos;

9. Projeto de fundações elaborado com base no Relatório de Sondagem da Empresa OLIVEIRA-RAE ENGENHARIA realizados entre os dias 09/12/2024 a 11/12/2024.
Contratante: Agência Goiana de Infraestrutura e Transportes
Obra: Ponte dos Macacos, rodovia GO-236, município de Flores de Goiás – GO
Local: Rodovia GO-236, estrada não pavimentada, 14°27' 41.00"S, 47°6'21.00"W, zona rural - Flores de Goiás - GO
Relatórios: SM-01 até SM-08.

1- Utilizar dispositivos distanciadores e espaçadores que garantam os cobrimentos e posicionamentos das armaduras.
2- As armaduras deverão estar limpas e isentas de quaisquer substâncias que prejudiquem sua aderência ao concreto, inclusive escamas de oxidação.
3- Obedecer aos diâmetros de dobramento das barras de aço especificados pela NBR 6118.
4- Limpar as formas e vedar todas as juntas antes do lançamento do concreto. Em hipótese alguma a concretagem poderá ocorrer sobre neve, pó, pedaços de madeira ou qualquer outro corpo estranho a estrutura.
5- Os volumes de concreto indicados nas plantas de formas das fundações e do tabuleiro, referem-se a toda obra de arte e os quantitativos de aço indicados nas demais plantas referem-se aos elementos constantes em cada uma delas.
6- O cumprimento por parte deste projeto, das normas pertinentes em vigência, não isenta o proprietário da responsabilidade de inspeções e manutenções periódicas na estrutura.
7- Modificação neste projeto, utilização do todo ou parte do projeto em obra diferente da especificada, ou sua repetição sem autorização, sujeitará os responsáveis as penas da legislação vigente.
8- Este projeto foi uso das normas técnicas da ABNT pertinentes a esta área, sendo elas: NBR 7187, NBR 7188, NBR 6118, NBR 6120, NBR 6122, NBR 6123, NBR 8681, NBR 12655.

DADOS DO PROJETO

- CLASSE DE AGRESSIVIDADE AMBIENTAL II	- FATOR AGUACIMENTO:	
- CONSUMO DE CIMENTO = ou > 280Kg/m³	PARA CONCRETO ARMADO:	= ou < 0.60
- VIDA ÚTIL DO PROJETO (VUP) DE 50 ANOS	PARA CONCRETO PROTENDIDO:	= ou < 0.55
- f'c = 25 MPa		
PARA ESTACAS DO TIPO RAIZ		
- CONSUMO DE CIMENTO = ou > 600Kg/m³	- FATOR AGUACIMENTO ENTRE 0.50 E 0.60	
- AGREGADO: AREIA		

COBRIMENTOS

Armaduras Passivas (CA-50 e CA-60)			Armaduras Ativas
Pilares e Vigas	2.5 cm	Elementos em contato com solo:	3.0 cm
Lajes	2.0 cm	Pilares	4.5 cm	Vigas	3.0 cm
Fundações	5.0 cm	Vigas e Lajes	2.5 cm	Lajes	2.5 cm

Atenção: Deve ser adotado controle rigoroso de qualidade e rígidos limites de tolerância da variabilidade das medidas durante a execução.

TREM TIPO: CLASSE 45

CARACTERÍSTICAS DO CONCRETO

Elementos:	fck (MPa)	Elementos:	fck (MPa)	Elementos:	fck (MPa)
Estacas	20	Lajes de Aproximação	30	Lajes	35
Blocos	30	Longarinas	35	Guarda Rodas	35
Pilares	30	Transversinas	35		
Travessas	30	Aba	30		

- MÓDULOS DE ELASTICIDADE:

PARA fck = 20 MPa	Eca = 24.2 GPa	PARA fck = 50 MPa	Eca = 36.8 GPa
PARA fck = 30 MPa	Eca = 26.8 GPa	PARA fck = 55 MPa	Eca = 38.1 GPa
PARA fck = 35 MPa	Eca = 29.4 GPa	PARA fck = 60 MPa	Eca = 39.8 GPa
PARA fck = 40 MPa	Eca = 31.9 GPa	PARA fck = 65 MPa	Eca = 41.0 GPa
PARA fck = 45 MPa	Eca = 34.3 GPa	PARA fck = 70 MPa	Eca = 42.4 GPa

Revisão Nº	Data	Descrição da Revisão	Responsável
08			
07			
06			
05			
04			
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01	07/03/2025	CORREÇÃO QUANTITATIVOS BLOCOS	ENGº HÉRBIO
00	10/02/2025	EMISSÃO INICIAL	ENGº HÉRBIO

PROJETO ESTRUTURAL

Autores do Projeto:
AGNALDO JOSÉ DE OLIVEIRA JÚNIOR
CREA: 5060100486/D-GO
HÉRBIO HENRIQUE LOPES
CREA: 2081681/GO

Etapa do Projeto:	Projeto Nº:	Escala:	Data:
PROJETO EXECUTIVO	24_0108	Indicada	10/02/2025

Conteúdo:
PLANTA DE FORMAS DAS FUNDAÇÕES

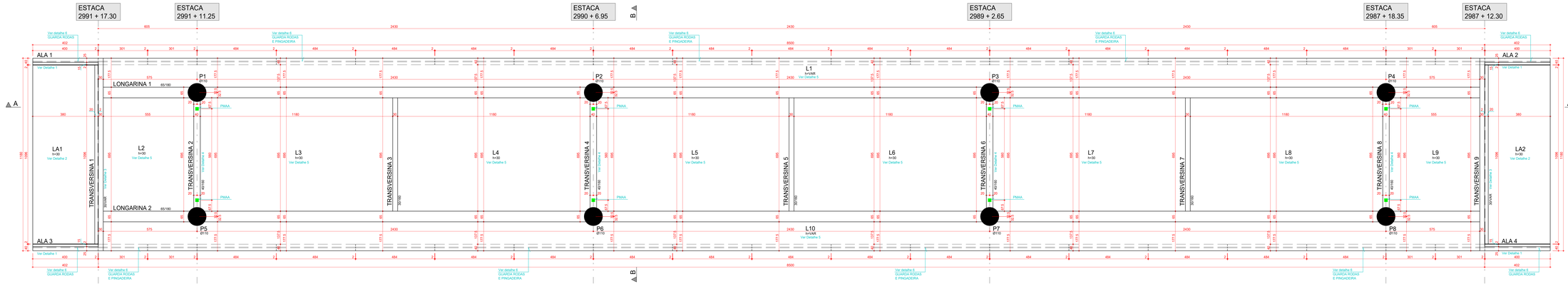
AGÊNCIA GOIANA DE INFRAESTRUTURA E TRANSPORTES - GOINFRA
Ponte sobre o Rio dos Macacos na Rodovia GO-236 | Trecho: Flores de Goiás - Entr. BR-020
PROJETO DE OBRA DE ARTE ESPECIAL | PROJETOS DE ESTRUTURAS E FUNDAÇÕES PARA OBRAS DE PONTES

Folha Nº:	Revisão:	Unidades:	
003	R01	Cota: cm	Carga: tf Momento: tf.m

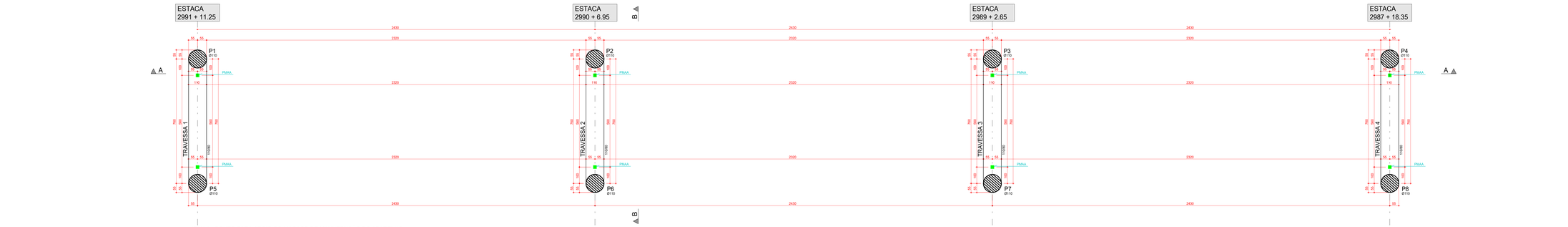
Arquivo:
24_108-003-FUN-EX-R01

DISTA PLANTA DEVERÁ OBRIGATORIAMENTE SER PLOTADA COLORIDA.
DIREITOS AUTORAIS RESERVADOS. LEI Nº 9.594/98.

POLÍGONAL - 1:50 (1:1)



PLANTA DE FORMAS TABULEIRO
ESC.:1:75



*PMAA - PONTO PARA APOIO DO MACACO DE MANUTENÇÃO DO APARELHO DE APOIO. ESTES DEVERÃO OBRIGATORIAMENTE SER POSICIONADOS NOS PONTOS DETERMINADOS ACIMA E ACIONADOS SIMULTANEAMENTE.

PLANTA DE FORMAS TRAVESSAS
ESC.:1:75

RESUMO DE MATERIAIS TOTAL

ELEMENTOS:	VOLUME DE CONCRETO (m³)	ÁREA DE FORMAS (m²)
VIGAS DE TRAVAMENTO	8.21	37.56
PILARES	11.78	42.65
TRAVESSAS	22.88	71.96
LONGARINAS	165.76	620.50
TRANSVERSINAS	40.55	260.20
ALAS	7.82	68.87
LAJES	306.34	992.00
GUARDA RODAS	43.16	327.36
LAJES DE APROXIMAÇÃO	25.30	17.98
TOTAL	632.80	2399.26

TABELA DE NÍVEIS

ELEMENTOS	NÍVEL
BASE PILARES	+ 439.210
TOPO PILARES	+ 440.760
TRAVESSAS 1 ate 4	+ 442.510
LONGARINAS 1 e 2	+ 442.810
TRANSVERSINAS 2 a 9	Ver Detalhe 3
TRANSVERSINAS 2 ate 8	+ 442.610
ALAS 1 ate 4	+ 442.555
LAJES	Ver Detalhe 5
LAJES DE APROXIMAÇÃO	Ver Detalhe 2

CARGAS DE PAVIMENTAÇÃO

TIPO	CARGA	ESPESSURA	PESO ESPECÍFICO
PAVIMENTAÇÃO	120.0 Kgf/m²	5.00 cm	2400.00 Kgf/m³
RECAPEAMENTO	200.0 Kgf/m²	8.00 cm	2400.00 Kgf/m³

A pavimentação deverá ser feita em pavimento rígido de concreto ou CBUQ.
O recapeamento deverá ser feito em CBUQ.

Observações para troca dos aparelhos de apoio:

1 - Para a troca dos aparelhos de apoio as vigas poderão ser levantadas no máximo 1,0 cm;

2 - A carga vertical máxima para cada macaco é de 320,0 tf;

3 - A troca deverá acontecer sempre de um pórtico por vez, usando um macaco em cada ponto (como marcado na planta de formas) e elevando todas as longarinas simultaneamente.

Observações gerais sobre a execução da estrutura:

1- As cotas de implantação da obra, as cotas e os níveis das formas deverão ser verificados e aceitos pelo responsável técnico pela obra antes da execução das mesmas.

2- Reconhecemos que todos os pontos necessários à implantação de todas as estruturas, sejam locados e conferidos pelo responsável técnico pela obra antes da execução das fundações.

3- Como referência para o projeto de implantação foi utilizado somente o projeto geométrico.

4- A execução da estrutura deverá seguir criteriosamente as recomendações das normas pertinentes da ABNT, especialmente a NBR 6118.

5- O conhecimento da NBR 14931 é fundamental para a boa execução de estruturas de concreto.

6- O escoramento, o re-escoramento e o cimbramento desta estrutura de concreto deverá ser objeto de um projeto adicional específico de responsabilidade do executante da estrutura, o qual deverá respeitar a NBR 15696, bem como a resistência e a maturidade dos concretos sem exceder os carregamentos máximos considerados no projeto estrutural. Especial atenção deverá ser dada para não causar carregamentos inadequados nem tampouco submeter o concreto a ações em idade precoce, o que poderá aumentar significativamente as deformações lentas apresentadas pela estrutura.

7- Realizar cura e o controle tecnológico do concreto de acordo com a NBR 12655.

8- A definição do "slump" fica a critério do engenheiro da obra. Alertamos que os parâmetros físicos do concreto devem ser obedecidos e que quanto maior o fator água/cimento, maior a probabilidade de problemas, como a retração.

9- Cura: A proteção contra secagem prematura, pelo menos 10 dias após o lançamento do concreto, poderá ser feita mantendo-se umedecida a superfície ou protegendo-se com película impermeável.

10- Sobre as juntas de concretagem:
- Sempre que possível coincidir com juntas estruturais;
- Utilizar zonas de mínimo esforço de cisalhamento (afastar dos apoios);
- Vigas e lajes - paralelas as armaduras principais (em planta) e formando ângulo de 45° com a superfície (em elevação);
- Vigas paredes - concretar em camadas de 60 cm;

Na retomada da concretagem:
- Apresentar superfície rugosa, isenta de pó e outros materiais estranhos;
- Remover a nata de pasta de cimento da superfície;
- A superfície deverá estar saturada e não apresentar acúmulo de água.

11- Recomendações gerais:
- O lançamento do concreto nas formas, deve-se tomar as precauções necessárias para que não haja segregação do mesmo. Recomenda-se que a altura de queda não ultrapasse 2,0 metros;
- Toda peça em contato direto com o solo deverá ter base em concreto magro com espessura maior ou igual a 5,0 cm;
- Todo o ferreno deverá ser apiloado satisfatoriamente antes da aplicação do concreto magro;
- As ie user desmoldantes estes deverão ser aplicados antes da disposição das armaduras nas formas previamente limpas;
- Em nenhuma hipótese o lançamento do concreto poderá ser feito após o início da pega;

12- Utilizar dispositivos distanciadores e espaçadores que garantam os cobrimentos e posicionamentos das armaduras.

13- As armaduras deverão estar limpas e isentas de quaisquer substâncias que prejudiquem sua aderência ao concreto, inclusive escamas de oxidação.

14- Obedecer aos diâmetros de dobramento das barras de aço especificados pela NBR 6118.

15- Limpar as formas e vedar todas as juntas antes do lançamento do concreto. Em hipótese alguma a concretagem poderá ocorrer sobre nata, pó, pedaços de madeira ou qualquer outro corpo estranho a estrutura.

16- Os volumes de concreto indicados nas plantas de formas das fundações e do tabuleiro, referem-se a toda obra de arte e os quantitativos de aço indicados nas demais plantas referem-se aos elementos constantes em cada uma delas.

17- O cumprimento por parte deste projeto, das normas pertinentes em vigência, não isenta o proprietário da responsabilidade de inspeções e manutenções periódicas na estrutura.

18- Modificação neste projeto, utilização do todo ou parte do projeto em obra diferente da especificada, ou sua repetição sem autorização, sujeitará os responsáveis as penas da legislação vigente.

19- Este projeto foi/ vai das normas técnicas da ABNT pertinentes a esta área, sendo elas: NBR 7187, NBR 7188, NBR 6118, NBR 8120, NBR 6122, NBR 6123, NBR 8681, NBR 12655.

DADOS DO PROJETO

- CLASSE DE AGRESSIVIDADE AMBIENTAL II	- FATOR AGUA/CIMENTO:	
- CONSUMO DE CIMENTO = ou > 280kg/m³	PARA CONCRETO ARMADO	= ou < 0.60
- VIDA ÚTIL DO PROJETO (VUP) DE 50 ANOS	PARA CONCRETO PROTENDIDO:	= ou < 0,55
- Fck = 25 MPa	PARA ESTACAS DO TIPO RAIZ	
- CONSUMO DE CIMENTO = ou > 600Kg/m³	- FATOR AGUA/CIMENTO ENTRE 0,50 E 0,60	
- AGREGADO: AREIA		

COBRIMENTOS

Armaduras Passivas (CA-50 e CA-60)			Armaduras Ativas
Pilares e Vigas	2.5 cm	Elementos em contato com solo:	Vigas 3.0 cm
Lajes	2.0 cm	Pilares 4.5 cm	Lajes 2.5 cm
Fundações	5.0 cm	Vigas e Lajes 2.5 cm	

Atenção: Deve ser adotado controle rigoroso de qualidade e rígidos limites de tolerância da variabilidade das medidas durante a execução.

TREM TIPO: CLASSE 45

CARACTERÍSTICAS DO CONCRETO

Elementos:	fck (MPa)	Elementos:	fck (MPa)	Elementos:	fck (MPa)
Estacas	20	Lajes de Aproximação	30	Lajes	35
Blocos	30	Longarinas	35	Guarda Rodas	35
Pilares	30	Transversinas	35		
Travessas	30	Alas	30		

- MÓDULOS DE ELASTICIDADE:

PARA fck = 20 MPa	PARA fck = 50 MPa	Eci = 36,8 GPa
PARA fck = 30 MPa	Eci = 24,2 GPa	PARA fck = 55 MPa Eci = 38,1 GPa
PARA fck = 35 MPa	Eci = 26,8 GPa	PARA fck = 60 MPa Eci = 39,4 GPa
PARA fck = 40 MPa	Eci = 29,4 GPa	PARA fck = 65 MPa Eci = 41,0 GPa
PARA fck = 45 MPa	Eci = 31,9 GPa	PARA fck = 70 MPa Eci = 42,4 GPa
	Eci = 34,3 GPa	

Revisão Nº	Data	Descrição da Revisão	Responsável
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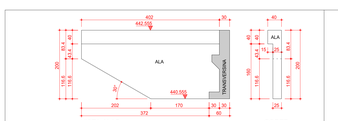
00	10/02/2025	EMISSÃO INICIAL	ENGº HÉRBIO



DETALHE 1
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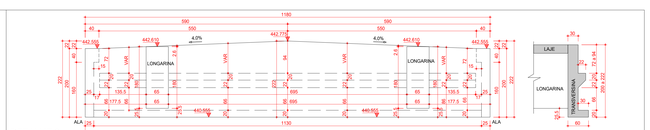
DETALHE 2
ESC.:1:50



DETALHE 3
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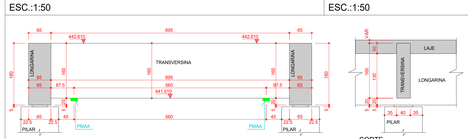

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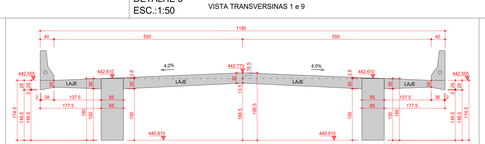

DETALHE 5
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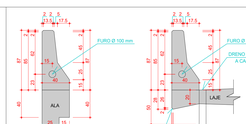
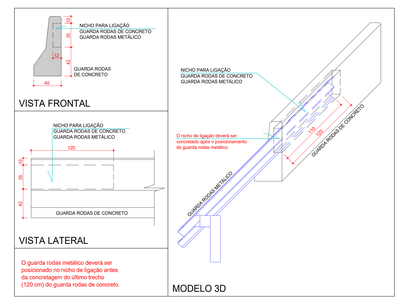


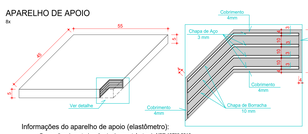
DETALHE 6
ESC.:1:25

*PMAA - PONTO PARA APOIO DO MACACO DE MANUTENÇÃO DO APARELHO DE APOIO. ESTES DEVERÃO OBRIGATORIAMENTE SER POSICIONADOS NOS PONTOS DETERMINADOS ACIMA E ACIONADOS SIMULTANEAMENTE.



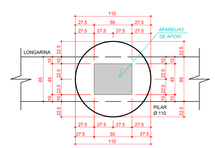
DETALHE LIGAÇÃO GUARDA RODAS
ESC.: SEM ESCALA

APARELHO DE APOIO
4x



Informações do aparelho de apoio (elastômero):
- Os aparelhos de apoio deverão atender as exigências da NBR 15783:2015;
- Deverão ser realizados ensaios para verificação da qualidade de fabricação conforme a NBR 15783:2015;
- Dureza 60 Shore A , com tolerância de + ou - 5 pontos;
- Composto por 3 chapas de borracha e 4 chapas de aço.
- Todo o aparelho de apoio deverá ser revestido por uma camada de 4 mm de borracha.

DETALHE DOS APARELHOS DE APOIO
ESC.:1:10



DETALHE POSICIONAMENTO DOS APARELHOS DE APOIO
ESC.:1:25

PROJETO ESTRUTURAL

Autores do Projeto:
AGNALDO JOSÉ DE OLIVEIRA JÚNIOR — CREA: 5069109/MBO/SP
HÉRBIO HENRIQUE LOPES — CREA: 2991903/GO

Etapa do Projeto:	Projeto Nº:	Escala:	Data:
PROJETO EXECUTIVO	24_0108	Indicada	10/02/2025

Conteúdo:
PLANTA DE FORMAS DO TABULEIRO E DETALHES

GO INFRA — AGÊNCIA GOIANA DE INFRAESTRUTURA E TRANSPORTES - GOINFRA
Ponte sobre o Rio das Mesacas na Rodovia GO-236 | Trecho: Flores de Goiás - Entr. BR-020
PROJETO DE OBRA DE ARTE ESPECIAL | PROJETOS DE ESTRUTURAS E FUNDAÇÕES PARA OBRAS DE PONTES

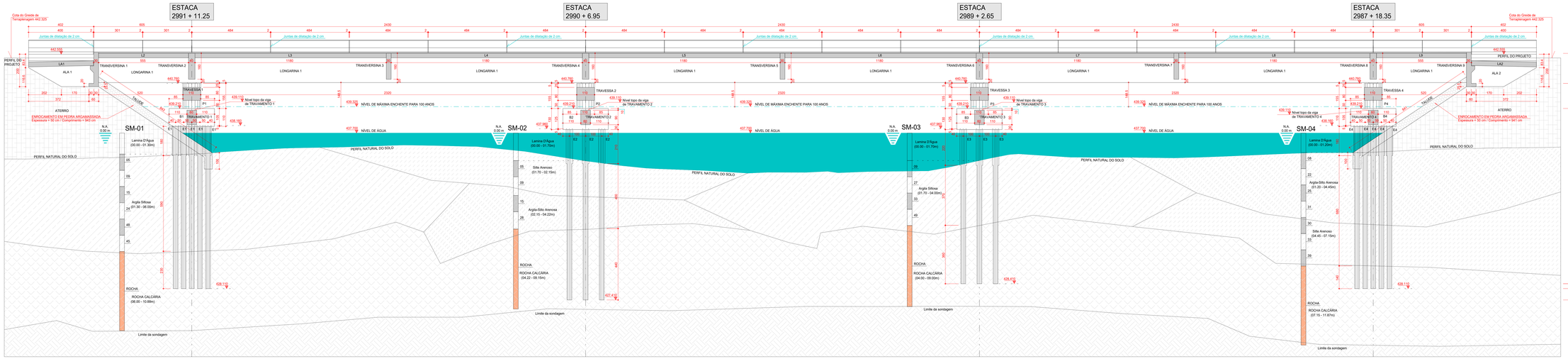
Folha Nº:	Revisão:	Unidades:	
004	R00	Cota: cm	Carga: tf Momento: tf.m

Oliveira-Ree Engenharia

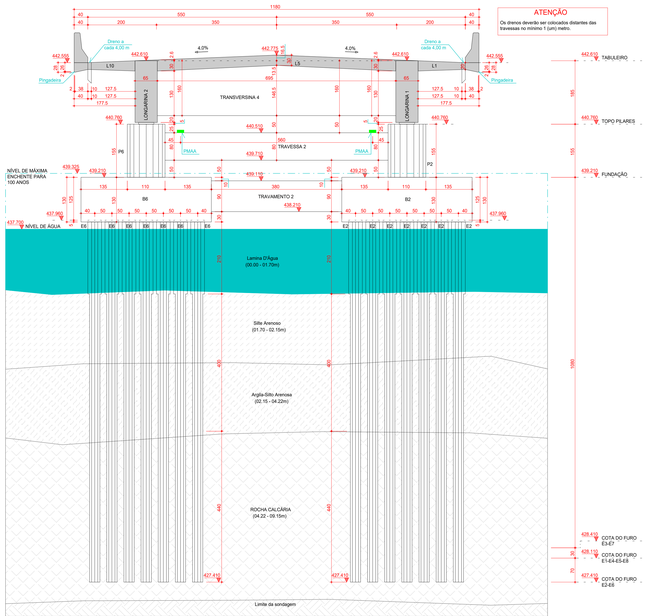
ESTA PLANTA DEVERÁ OBRIGATORIAMENTE SER PLOTADA COLORIDA.
DIREITOS AUTORAIS RESERVADOS, LEI Nº 9164/98

Arquivo:
04_168-004-FOR-EX-R00

PCRUNK.XSL - 15/07/2447



Corte A-A
ESC.:1:75



*PMAA - PONTO PARA APOIO DO MACACO DE MANUTENÇÃO DO APARELHO DE APOIO. ESTES DEVERÃO OBRIGATORIAMENTE SER POSICIONADOS NOS PONTOS DETERMINADOS ACIMA E ACIONADOS SIMULTANEAMENTE.

Corte B-B
ESC.:1:50

Observações para troca dos aparelhos de apoio:

1 - Para a troca dos aparelhos de apoio as vigas poderão ser levantadas no máximo 1,0 cm;

2 - A carga vertical máxima para cada macaco é de 320,0 tf;

3 - A troca deverá acontecer sempre de um pórtico por vez, usando um macaco em cada ponto (como marcado na planta de formas) e elevando todas as longarinas simultaneamente.

1- Utilizar dispositivos distanciadores e espaçadores que garantam os cobrimentos e posicionamentos das armaduras.
2- As armaduras deverão estar limpas e isentas de quaisquer substâncias que prejudiquem sua aderência ao concreto, inclusive escamas de oxidação.
3- Obedecer aos diâmetros de dobramento das barras de aço especificados pela NBR 6118.
4- Limpar as formas e vedar todas as juntas antes do lançamento do concreto. Em hipótese alguma a concretagem poderá ocorrer sobre raspa, pó, pedaços de madeira ou qualquer outro corpo estranho a estrutura.
5- Os volumes de concreto indicados nas plantas de formas das fundações e do tabuleiro, referem-se a toda obra de arte e os quantitativos de aço indicados nas demais plantas referem-se aos elementos constantes em cada uma delas.
6- O comprimento por parte deste projeto, das normas pertinentes em vigência, não isenta o proprietário da responsabilidade de inspeções e manutenções periódicas na estrutura.
7- Modificação neste projeto, utilização do todo ou parte do projeto em obra diferente da especificada, ou sua repetição sem autorização, sujeitará os responsáveis as penas da legislação vigente.
8- Este projeto foi uso das normas técnicas da ABNT pertinentes a esta área, sendo elas: NBR 7187, NBR 7188, NBR 6118, NBR 6120, NBR 6122, NBR 6123, NBR 8681, NBR 12655.

DADOS DO PROJETO

- CLASSE DE AGRESSIVIDADE AMBIENTAL II	- FATOR AGUACIMENTO:	
- CONSUMO DE CIMENTO = ou > 280Kg/m³	PARA CONCRETO ARMADO:	= ou < 0.60
- VIDA ÚTIL DO PROJETO (VUP) DE 50 ANOS	PARA CONCRETO PROTENDIDO:	= ou < 0,55
- fck = 25 MPa		
	PARA ESTACAS DO TIPO RAIZ	
- CONSUMO DE CIMENTO = ou > 600Kg/m³	- FATOR AGUACIMENTO ENTRE 0,50 E 0,60	
- AGREGADO: AREIA		

COBRIMENTOS

Armaduras Passivas (CA-50 e CA-60)				Armaduras Ativas
Pilares e Vigas	2,5 cm	Elementos em contato com solo:	Vigas	3,0 cm
Lajes	2,0 cm	Pilares: 4,5 cm	Lajes	2,5 cm
Fundações	5,0 cm	Vigas e Lajes: 2,5 cm		

Atenção: Deve ser adotado controle rigoroso de qualidade e rígidos limites de tolerância da variabilidade das medidas durante a execução.

TREM TIPO: CLASSE 45

CARACTERÍSTICAS DO CONCRETO

Elementos:	fck (MPa)	Elementos:	fck (MPa)	Elementos:	fck (MPa)
Estacas	20	Lajes de Aproximação	30	Lajes	35
Blocos	30	Longarinas	35	Guarda Rodas	35
Pilares	30	Transversinas	35		
Travessas	30	Ales	30		

- MÓDULOS DE ELASTICIDADE:

PARA fck = 25 MPa	Eck = 24,2 GPa	PARA fck = 50 MPa	Eck = 36,6 GPa
PARA fck = 30 MPa	Eck = 26,8 GPa	PARA fck = 55 MPa	Eck = 38,1 GPa
PARA fck = 35 MPa	Eck = 29,4 GPa	PARA fck = 60 MPa	Eck = 39,6 GPa
PARA fck = 40 MPa	Eck = 31,9 GPa	PARA fck = 65 MPa	Eck = 41,0 GPa
PARA fck = 45 MPa	Eck = 34,3 GPa	PARA fck = 70 MPa	Eck = 42,4 GPa

Revisão Nº	Data	Descrição da Revisão	Responsável
08			
07			
06			
05			
04			
03			
02			
01	07/03/2025	CORREÇÃO NÍVEL DOS BLOCOS INTERNOS	ENGº HÉRBIO
00	10/02/2025	EMISSÃO INICIAL	ENGº HÉRBIO

PROJETO ESTRUTURAL

Autores do Projeto:
AGNALDO JOSÉ DE OLIVEIRA JÚNIOR — CREA: 5069109/MBO/SP
HÉRBIO HENRIQUE LOPES — CREA: 2991902/GO

Etapa do Projeto:	Projeto Nº:	Escala:	Data:
PROJETO EXECUTIVO	24_0108	Indicada	10/02/2025

Conteúdo:
CORTE A-A E CORTE B-B

GO INFRA
Oliveira-Rae Engenharia

AGÊNCIA GOIANA DE INFRAESTRUTURA E TRANSPORTES - GOINFRA
Ponte sobre o Rio dos Macacos na Rodovia GO-236 | Trecho: Flores de Goiás - Entr. BR-020
PROJETO DE OBRA DE ARTE ESPECIAL | PROJETOS DE ESTRUTURAS E FUNDAÇÕES PARA OBRAS DE PONTES

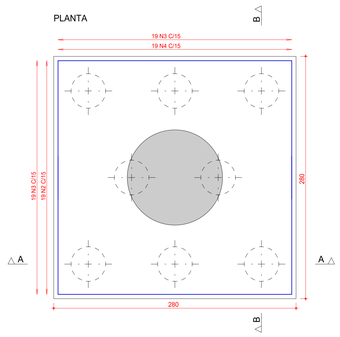
Folha Nº:	Revisão:	Unidades:	
005	R01	Cota: cm	Carga: tf Momento: tf.m

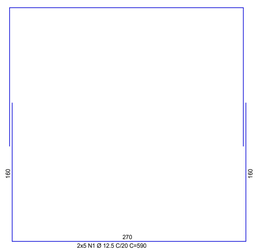
ESTA PLANTA DEVERÁ OBRIGATORIAMENTE SER PLOTADA COLORIDA.
DIREITOS AUTORAIS RESERVADOS. LEI Nº 9.594/98.

Arquivo:
04_168-005-COR-EX-R01

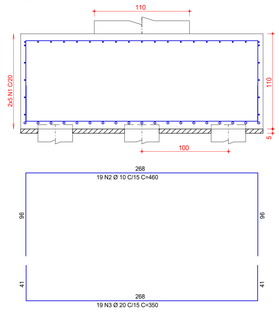
B1=B4=B5=B8
(ESCALA 1:25)

PLANTA

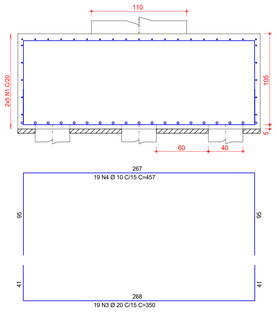




CORTE A - A



CORTE B - B

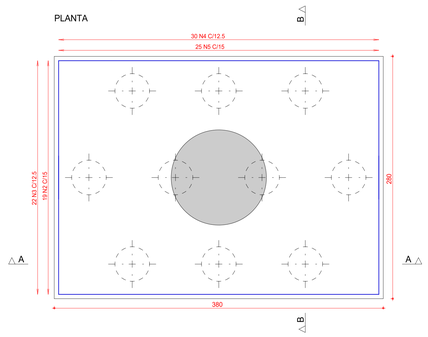


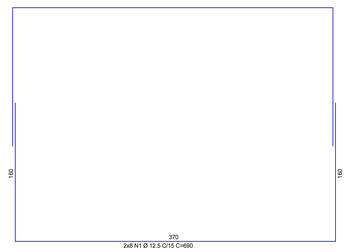
AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
B1=B4=B5=B8 (X4)					
50A	1	12.5	40	590	23600
50A	2	10	76	460	34960
50A	3	20	152	350	53200
50A	4	10	76	457	34732
B2=B3=B6=B7 (X4)					
50A	1	12.5	64	690	44160
50A	2	10	76	600	45600
50A	3	20	88	450	39600
50A	4	20	120	350	42000
50A	5	10	100	497	49700

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	10	1650	1017
50A	12.5	678	653
50A	20	1348	3324
Peso Total	50A =		4995 kgf

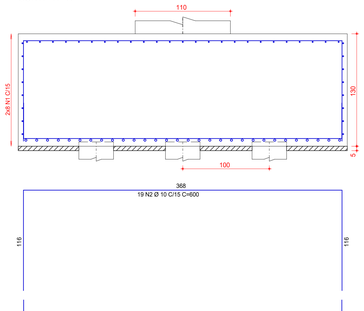
B2=B3=B6=B7
(ESCALA 1:25)

PLANTA

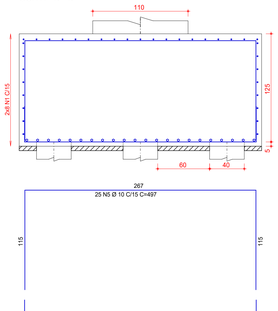




CORTE A - A



CORTE B - B



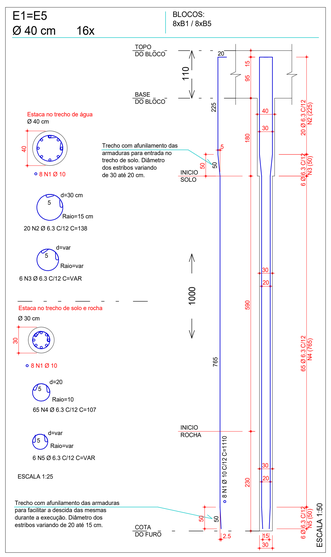
DETALHAMENTO DOS BLOCOS
ESC.:1:25

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
E1=E5 (X16)					
50A	1	10	128	1110	142080
50A	2	6.3	320	138	44160
50A	3	6.3	96	123	11808
50A	4	6.3	1040	107	111280
50A	5	6.3	96	99	9504
E2=E6 (X20)					
50A	1	10	160	1180	188800
50A	2	6.3	480	138	66240
50A	3	6.3	120	123	14760
50A	4	6.3	1340	107	143380
50A	5	6.3	120	99	11880
E3=E7 (X20)					
50A	1	10	160	1080	172800
50A	2	6.3	500	138	69000
50A	3	6.3	120	123	14760
50A	4	6.3	1160	107	124120
50A	5	6.3	120	99	11880
E4=E8 (X16)					
50A	1	10	128	1110	142080
50A	2	6.3	320	138	44160
50A	3	6.3	96	123	11808
50A	4	6.3	1040	107	111280
50A	5	6.3	96	99	9504

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	6.3	8095	1982
50A	10	6458	3982
Peso Total	50A =		5963 kgf

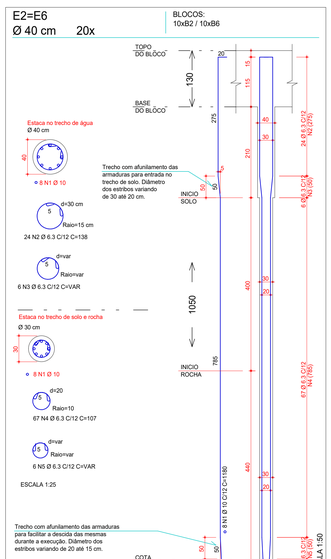
E1=E5
Ø 40 cm 16x

BLOCOS:
8xB1 / 8xB5



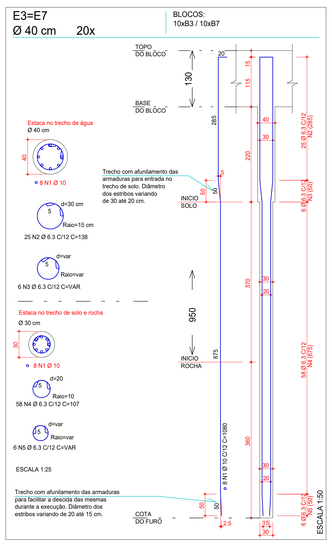
E2=E6
Ø 40 cm 20x

BLOCOS:
10xB2 / 10xB6



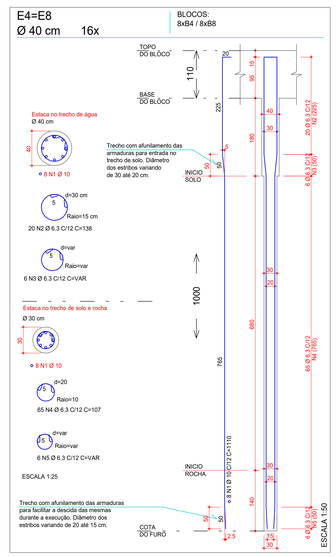
E3=E7
Ø 40 cm 20x

BLOCOS:
10xB3 / 10xB7



E4=E8
Ø 40 cm 16x

BLOCOS:
8xB4 / 8xB8

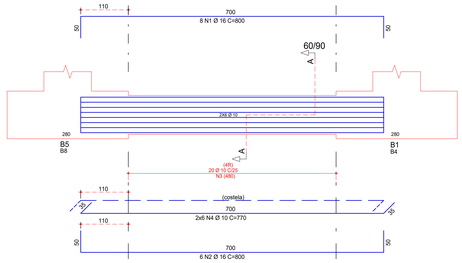


DETALHAMENTO DAS ESTACAS
ESC.:1:25/1:50

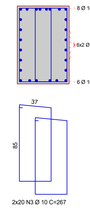
AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
TRAVAMENTO 1=TRAVAMENTO 4 (X2)					
50A	1	16	16	800	12800
50A	2	16	12	800	9600
50A	3	10	80	267	21360
50A	4	10	24	770	18480

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	10	398	246
50A	16	224	354
Peso Total	50A =		599 kgf

TRAVAMENTO 1=TRAVAMENTO 4



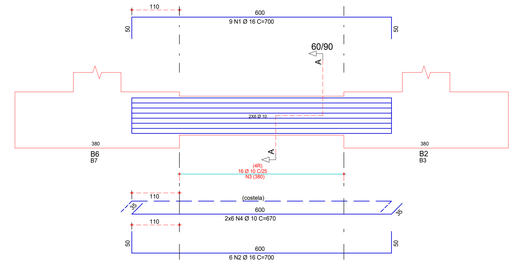
Corte A



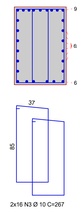
AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
TRAVAMENTO 2=TRAVAMENTO 3 (X2)					
50A	1	16	18	700	12600
50A	2	16	12	700	8400
50A	3	10	64	267	17088
50A	4	10	24	670	16080

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	10	332	205
50A	16	210	331
Peso Total	50A =		536 kgf

TRAVAMENTO 2=TRAVAMENTO 3



Corte A



DETALHAMENTO DAS VIGAS DE TRAVAMENTO
ESC.:1:50/1:25

1- Utilizar dispositivos distanciadores e espaçadores que garantam os cobrimentos e posicionamentos das armaduras.

2- As armaduras deverão estar limpas e isentas de quaisquer substâncias que prejudiquem sua aderência ao concreto, inclusive escamas de oxidação.

3- Obedecer aos diâmetros de dobramento das barras de aço especificados pela NBR 6118.

4- Limpar as formas e vedar todas as juntas antes do lançamento do concreto. Em hipótese alguma a concretagem poderá ocorrer sobre raspa, pó, pedaços de madeira ou qualquer outro corpo estranho a estrutura.

5- Os volumes de concreto indicados nas plantas de formas das fundações e do tabuleiro, referem-se a toda obra de arte e os quantitativos de aço indicados nas demais plantas referem-se aos elementos constantes em cada uma delas.

6- O cumprimento por parte deste projeto, das normas pertinentes em vigência, não isenta o proprietário da responsabilidade de inspeções e manutenções periódicas na estrutura.

7- Modificação neste projeto, utilização do todo ou parte do projeto em obra diferente da especificada, ou sua repetição sem autorização, sujeitará os responsáveis as penas da legislação vigente.

8- Este projeto foi uso das normas técnicas da ABNT pertinentes a esta área, sendo elas: NBR 7187, NBR 7188, NBR 6118, NBR 6120, NBR 6122, NBR 6123, NBR 8681, NBR 12655.

DADOS DO PROJETO

- CLASSE DE AGRESSIVIDADE AMBIENTAL II	- FATOR ÁGUA/CIMENTO:
- CONSUMO DE CIMENTO > ou = 290Kg/m³	PARA CONCRETO ARMADO: < ou = 0,60
- VIDA UTIL DO PROJETO (VUP) DE 50 ANOS	PARA CONCRETO PROTENDIDO: < ou = 0,55
- fcj = 25 MPa	
PARA ESTACAS DO TIPO RAIZ	
- CONSUMO DE CIMENTO > ou = 600Kg/m³	- FATOR ÁGUA/CIMENTO ENTRE 0,50 E 0,60
- AGREGADO: AREIA	

COBRIMENTOS

Armaduras Passivas (CA-50 e CA-60)				Armaduras Ativas	
Pilares e Vigas	2.5 cm	Elementos em contato com solo:		Vigas	3.0 cm
Lajes	2.0 cm	Pilares	4.0 cm	Lajes	2.5 cm
Fundações	5.0 cm	Vigas e Lajes	2.5 cm		

Atenção: Deve ser adotado controle rigoroso de qualidade e rígidos limites de tolerância da variabilidade das medidas durante a execução.

TREM TIPO: CLASSE 45

CARACTERÍSTICAS DO CONCRETO

Elementos:	fck (MPa)	Elementos:	fck (MPa)	Elementos:	fck (MPa)
Estacas	20	Lajes de Aproximação	30	Lajes	35
Blocos	30	Longarinas	35	Guarda Rodas	35
Pilares	30	Transversinas	35		
Travessas	30	Alas	35		

- MÓDULOS DE ELASTICIDADE:

PARA fck = 25 MPa	Ecs = 24.2 GPa	PARA fck = 50 MPa	Ecs = 36.6 GPa
PARA fck = 30 MPa	Ecs = 26.8 GPa	PARA fck = 55 MPa	Ecs = 38.1 GPa
PARA fck = 35 MPa	Ecs = 29.4 GPa	PARA fck = 60 MPa	Ecs = 39.6 GPa
PARA fck = 40 MPa	Ecs = 31.9 GPa	PARA fck = 65 MPa	Ecs = 41.2 GPa
PARA fck = 45 MPa	Ecs = 34.3 GPa	PARA fck = 70 MPa	Ecs = 42.4 GPa

Revisão Nº	Data	Descrição da Revisão	Responsável
08			
07			
06			
05			
04			
03			
02			
01	07/03/2025	CORREÇÃO ARMADURAS DAS ESTACAS	ENG° HÉRBIO
00	10/02/2025	EMISSÃO INICIAL	ENG° HÉRBIO

PROJETO ESTRUTURAL

Autores do Projeto:
AGNALDO JOSÉ DE OLIVEIRA JÚNIOR
CREA: 006910486/D-GP
HÉRBIO HENRIQUE LOPES
CREA: 2597/D-GO

Etapa do Projeto:	Projeto Nº:	Escala:	Data:
PROJETO EXECUTIVO	24_0108	Indicada	10/02/2025

Conteúdo:
DETALHAMENTO DAS FUNDAÇÕES

GO INFRA
Oliveira-Rae Engenharia

AGÊNCIA GOIANA DE INFRAESTRUTURA E TRANSPORTES - GOINFRA

Ponte sobre o Rio dos Macacos na Rodovia GO-236 | Trecho: Flores de Goiás - Entr. BR-020

PROJETO DE OBRA DE ARTE ESPECIAL | PROJETOS DE ESTRUTURAS E FUNDAÇÕES PARA OBRAS DE PONTES

Folha Nº:	Revisão:	Unidades:		
006	R01	Cota: cm	Carga: tf	Momento: tf.m

ESTA PLANTA DEVERÁ OBRIGATORIAMENTE SER PLOTADA COLORIDA
DIREITOS AUTORAIS RESERVADOS. LEI Nº: 5194/66

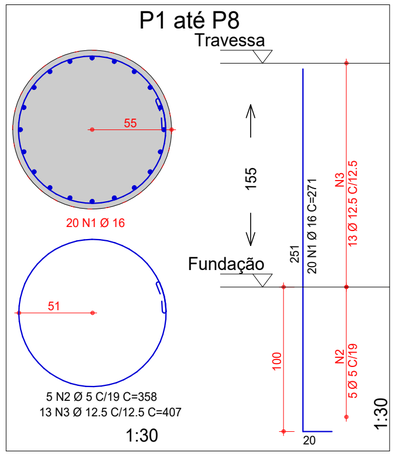
Arquivo:
24_108-006-FUN-EX-R01

FOLHA A2 - 118.8x84.1

I:\1 PROJETOS ESTRUTURAIS\OBRAS\1 TIPO PL_20_160 CM\CAD\A1\1 TIPO2025 08.03.dwg

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
P1 até P8 (X8)					
50A	1	16	160	271	43360
60B	2	5	40	358	14320
50A	3	12.5	104	407	42328

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
60B	5	143	22
50A	12.5	423	408
50A	16	434	684
Peso Total	60B =		22 kgf
Peso Total	50A =		1092 kgf



1- Utilizar dispositivos distanciadores e espaçadores que garantam os cobrimentos e posicionamentos das armaduras.

2- As armaduras deverão estar limpas e isentas de quaisquer substâncias que prejudiquem sua aderência ao concreto, inclusive escamas de oxidação.

3- Obedecer aos diâmetros de dobramento das barras de aço especificados pela NBR 6118.

4- Limpar as formas e vedar todas as juntas antes do lançamento do concreto. Em hipótese alguma a concretagem poderá ocorrer sobre raspa, pó, pedaços de madeira ou qualquer outro corpo estranho a estrutura.

5- Os volumes de concreto indicados nas plantas de formas das fundações e do tabuleiro, referem-se a toda obra de arte e os quantitativos de aço indicados nas demais plantas referem-se aos elementos constantes em cada uma delas.

6- O cumprimento por parte deste projeto, das normas pertinentes em vigência, não isenta o proprietário da responsabilidade de inspeções e manutenções periódicas na estrutura.

7- Modificação neste projeto, utilização do todo ou parte do projeto em obra diferente da especificada, ou sua repetição sem autorização, sujeitará os responsáveis as penas da legislação vigente.

8- Este projeto fez uso das normas técnicas da ABNT pertinentes a esta área, sendo elas: NBR 7187, NBR 7188, NBR 6118, NBR 6120, NBR 6122, NBR 6123, NBR 8681, NBR 12655.

DADOS DO PROJETO

- CLASSE DE AGRESSIVIDADE AMBIENTAL II	- FATOR ÁGUA/CIMENTO:
- CONSUMO DE CIMENTO > ou = 280Kg/m³	PARA CONCRETO ARMADO: < ou = 0,60
- VIDA UTIL DO PROJETO (VUP) DE 50 ANOS	PARA CONCRETO PROTENDIDO: < ou = 0,55
- fcj = 25 MPa	
PARA ESTACAS DO TIPO RAIZ	
- CONSUMO DE CIMENTO > ou = 600Kg/m³	- FATOR ÁGUA/CIMENTO ENTRE 0,50 E 0,60
- AGREGADO: AREIA	

COBRIMENTOS

Armaduras Passivas (CA-50 e CA-60)				Armaduras Ativas	
Pilares e Vigas	2.5 cm	Elementos em contato com solo:		Vigas	3.0 cm
Lajes	2.0 cm	Pilares	4.0 cm	Lajes	2.5 cm
Fundações	5.0 cm	Vigas e Lajes	2.5 cm		

Atenção: Deve ser adotado controle rigoroso de qualidade e rígidos limites de tolerância da variabilidade das medidas durante a execução.

TREM TIPO: CLASSE 45

CARACTERÍSTICAS DO CONCRETO

Elementos:	fck (MPa)	Elementos:	fck (MPa)	Elementos:	fck (MPa)
Estacas	20	Lajes de Aproximação	30	Lajes	35
Blocos	30	Longarinas	35	Guarda Rodas	35
Pilares	30	Transversinas	35		
Travessas	30	Alas	35		

- MÓDULOS DE ELASTICIDADE:

PARA fck = 25 MPa	Ecs = 24.2 GPa	PARA fck = 50 MPa	Ecs = 36.6 GPa
PARA fck = 30 MPa	Ecs = 26.8 GPa	PARA fck = 55 MPa	Ecs = 38.1 GPa
PARA fck = 35 MPa	Ecs = 29.4 GPa	PARA fck = 60 MPa	Ecs = 39.6 GPa
PARA fck = 40 MPa	Ecs = 31.9 GPa	PARA fck = 65 MPa	Ecs = 41.0 GPa
PARA fck = 45 MPa	Ecs = 34.3 GPa	PARA fck = 70 MPa	Ecs = 42.4 GPa

Revisão Nº	Data	Descrição da Revisão	Responsável
08			
07			
06			
05			
04			
03			
02			
01			
00	10/02/2025	EMISSÃO INICIAL	ENGº HÉRBIO

PROJETO ESTRUTURAL

Autores do Projeto:

AGNALDO JOSÉ DE OLIVEIRA JÚNIOR
CREA: 5069103486/D-SP

HÉRBIO HENRIQUE LOPES
CREA: 20918/D-GO

Etapa do Projeto:	Projeto Nº:	Escala:	Data:
PROJETO EXECUTIVO	24_0108	1:30	10/02/2025

Conteúdo:
DETALHAMENTO DOS PILARES

AGÊNCIA GOIANA DE INFRAESTRUTURA E TRANSPORTES - GOINFRA

Ponte sobre o Rio dos Macacos na Rodovia GO-236 | Trecho: Flores de Goiás - Entr. BR-020

PROJETO DE OBRA DE ARTE ESPECIAL | PROJETOS DE ESTRUTURAS E FUNDAÇÕES PARA OBRAS DE PONTES

Folha Nº:	Revisão:	Unidades:
007	R00	Cota: cm Carga: tf Momento: tf.m

ESTA PLANTA DEVERÁ OBRIGATORIAMENTE SER PLOTADA COLORIDA
DIREITOS AUTORAIS RESERVADOS. LEI Nº :5194/66

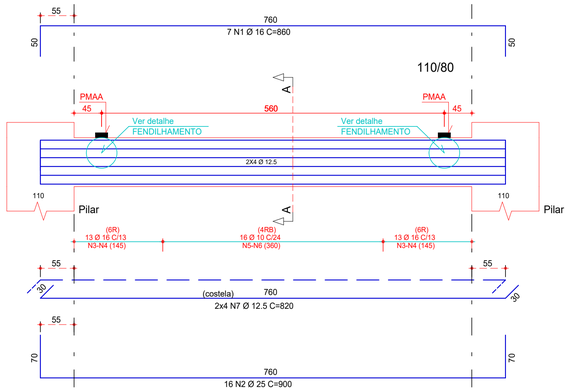
Arquivo:
24_108-007-PIL-EX-R00

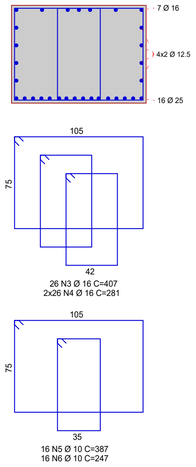
SATUS PROJETOS ESTRUTURAIS PL_24_108-007-PIL-EX-R00.PLT 17/02/2025 17:33:53

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
TRAVESSA 1=2=3=4 (X4)					
50A	1	16	28	860	24080
50A	2	25	64	900	57600
50A	3	16	104	407	42328
50A	4	16	208	281	58448
50A	5	10	64	387	24768
50A	6	10	64	247	15808
50A	7	12.5	32	820	26240

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	10	406	250
50A	12.5	262	253
50A	16	1249	1971
50A	25	576	2220
Peso Total	50A =		4693 kgf

TRAVESSA 1=2=3=4



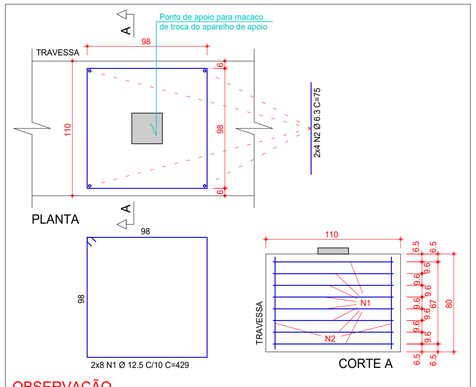


*PMAA - PONTO PARA APOIO DO MACACO DE MANUTENÇÃO DO APARELHO DE APOIO. ESTES DEVERÃO OBRIGATORIAMENTE SER POSICIONADOS NOS PONTOS DETERMINADOS ACIMA E ACIONADOS SIMULTANEAMENTE

DETALHAMENTO DAS TRAVESSAS
ESC.:1:50/1:25

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
FENDILHAMENTO TRAVESSAS (X4)					
50A	1	12.5	64	429	27456
50A	2	6.3	32	75	2400

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	6.3	24	6
50A	12.5	275	265
Peso Total	50A =		270 kgf



OBSERVAÇÃO

As armaduras de fendilhamento deverão ser posicionadas rigorosamente a 6.5 cm da face superior da travessa, na projeção do ponto de troca do aparelho de apoio marcado na planta de formas das travessas.

FENDILHAMENTO TRAVESSAS
ESC.:1:25

1- Utilizar dispositivos distanciadores e espaçadores que garantam os cobrimentos e posicionamentos das armaduras.

2- As armaduras deverão estar limpas e isentas de quaisquer substâncias que prejudiquem sua aderência ao concreto, inclusive escamas de oxidação.

3- Obedecer aos diâmetros de dobramento das barras de aço especificados pela NBR 6118.

4- Limpar as formas e vedar todas as juntas antes do lançamento do concreto. Em hipótese alguma a concretagem poderá ocorrer sobre raspa, pó, pedaços de madeira ou qualquer outro corpo estranho a estrutura.

5- Os volumes de concreto indicados nas plantas de formas das fundações e do tabuleiro, referem-se a toda obra de arte e os quantitativos de aço indicados nas demais plantas referem-se aos elementos constantes em cada uma delas.

6- O cumprimento por parte deste projeto, das normas pertinentes em vigência, não isenta o proprietário da responsabilidade de inspeções e manutenções periódicas na estrutura.

7- Modificação neste projeto, utilização do todo ou parte do projeto em obra diferente da especificada, ou sua repetição sem autorização, sujeitará os responsáveis as penas da legislação vigente.

8- Este projeto fez uso das normas técnicas da ABNT pertinentes a esta área, sendo elas: NBR 7187, NBR 7188, NBR 6118, NBR 6120, NBR 6122, NBR 6123, NBR 8681, NBR 12655.

DADOS DO PROJETO

- CLASSE DE AGRESSIVIDADE AMBIENTAL II	- FATOR ÁGUA/CIMENTO:
- CONSUMO DE CIMENTO > ou = 280Kg/m³	PARA CONCRETO ARMADO: < ou = 0,60
- VIDA UTIL DO PROJETO (VUP) DE 50 ANOS	PARA CONCRETO PROTENDIDO: < ou = 0,55
- fcj = 25 MPa	
PARA ESTACAS DO TIPO RAIZ	
- CONSUMO DE CIMENTO > ou = 600Kg/m³	- FATOR ÁGUA/CIMENTO ENTRE 0,50 E 0,60
- AGREGADO: AREIA	

COBRIMENTOS

Armaduras Passivas (CA-50 e CA-60)				Armaduras Ativas	
Pilares e Vigas	2.5 cm	Elementos em contato com solo:		Vigas	3.0 cm
Lajes	2.0 cm	Pilares	4.0 cm	Lajes	2.5 cm
Fundações	5.0 cm	Vigas e Lajes	2.5 cm		

Atenção: Deve ser adotado controle rigoroso de qualidade e rígidos limites de tolerância da variabilidade das medidas durante a execução.

TREM TIPO: CLASSE 45

CARACTERÍSTICAS DO CONCRETO

Elementos:	fck (MPa)	Elementos:	fck (MPa)	Elementos:	fck (MPa)
Estacas	20	Lajes de Aproximação	30	Lajes	35
Blocos	30	Longarinas	35	Guarda Rodas	35
Pilares	30	Transversinas	35		
Travessas	30	Alas	35		

- MÓDULOS DE ELASTICIDADE:

PARA fck = 25 MPa	Ecs = 24.2 GPa	PARA fck = 50 MPa	Ecs = 36.6 GPa
PARA fck = 30 MPa	Ecs = 26.8 GPa	PARA fck = 55 MPa	Ecs = 38.1 GPa
PARA fck = 35 MPa	Ecs = 29.4 GPa	PARA fck = 60 MPa	Ecs = 39.6 GPa
PARA fck = 40 MPa	Ecs = 31.9 GPa	PARA fck = 65 MPa	Ecs = 41.0 GPa
PARA fck = 45 MPa	Ecs = 34.3 GPa	PARA fck = 70 MPa	Ecs = 42.4 GPa

Revisão Nº	Data	Descrição da Revisão	Responsável
08			
07			
06			
05			
04			
03			
02			
01			
00	10/02/2025	EMISSÃO INICIAL	ENGº HÉRBIO

PROJETO ESTRUTURAL

Autores do Projeto:

AGNALDO JOSÉ DE OLIVEIRA JÚNIOR — CREA: 5069103486/D-SP

HÉRBIO HENRIQUE LOPES — CREA: 20918/D-GO

Etapa do Projeto:	Projeto Nº:	Escala:	Data:
PROJETO EXECUTIVO	24_0108	Indicada	10/02/2025

Conteúdo: DETALHAMENTO DAS VIGAS

AGÊNCIA GOIANA DE INFRAESTRUTURA E TRANSPORTES - GOINFRA

Ponte sobre o Rio dos Macacos na Rodovia GO-236 | Trecho: Flores de Goiás - Entr. BR-020

PROJETO DE OBRA DE ARTE ESPECIAL | PROJETOS DE ESTRUTURAS E FUNDAÇÕES PARA OBRAS DE PONTES

Folha Nº:	Revisão:	Unidades:
008	R00	Cota: cm Carga: tf Momento: tf.m

ESTA PLANTA DEVERÁ OBRIGATORIAMENTE SER PLOTADA COLORIDA

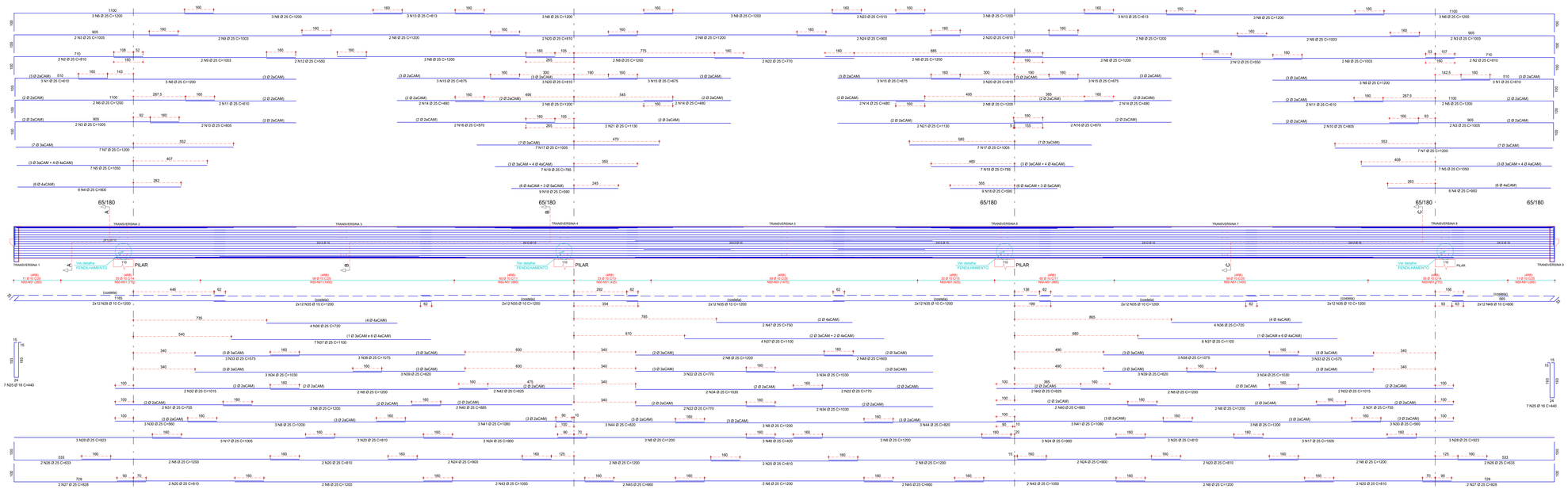
Arquivo: 24_108-008-VIG-EX-R00

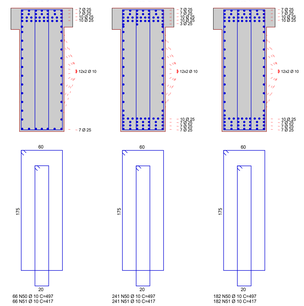
DIREITOS AUTORAIS RESERVADOS. LEI Nº :5194/66

FOLHA A1 - 84,1x59,4

DADOS PROJETOS ESTRUTURAIS PL 24_108-008-VIG-EX-R00.PLT 17/02/2025 17:33:33

LONGARINA 1=LONGARINA 2

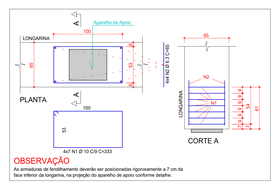




AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
LONGARINA 1=LONGARINA 2 (X2)					
50A	1	25	12	610	7320
50A	2	25	8	810	6480
50A	3	25	16	1005	16080
50A	4	25	24	900	21600
50A	5	25	28	1050	29400
50A	6	25	20	1200	24000
50A	7	25	28	1200	33600
50A	8	25	156	1200	187200
50A	9	25	16	1003	16048
50A	10	25	8	1005	8040
50A	11	25	8	610	4880
50A	12	25	8	550	4400
50A	13	25	12	613	7356
50A	14	25	16	480	7680
50A	15	25	24	675	16200
50A	16	25	8	870	6960
50A	17	25	12	1005	12060
50A	18	25	36	590	21240
50A	19	25	28	785	21980
50A	20	25	52	810	42120
50A	21	25	8	1130	9040
50A	22	25	18	770	13860
50A	23	25	6	510	3060
50A	24	25	24	515	12360
50A	25	16	28	440	12320
50A	26	25	8	633	5064
50A	27	25	8	828	6624
50A	28	25	12	923	11076
50A	29	10	48	1200	57600
50A	30	25	12	560	6720
50A	31	25	8	1005	8040
50A	32	25	8	1015	8120
50A	33	25	12	575	6900
50A	34	25	26	1030	26780
50A	35	10	288	1200	345600
50A	36	25	16	720	11520
50A	37	25	34	1100	37400
50A	38	25	12	1030	12360
50A	39	25	12	620	7440
50A	40	25	8	885	7080
50A	41	25	12	1080	12960
50A	42	25	8	625	5000
50A	43	25	8	1050	8400
50A	44	25	12	820	9840
50A	45	25	8	660	5280
50A	46	25	6	420	2520
50A	47	25	4	750	3000
50A	48	25	4	600	2400
50A	49	10	48	600	28800
50A	50	10	978	497	486066
50A	51	10	978	417	407826

RESUMO DE AÇO			
AÇO	BIT	COMPR.	PESO
	mm	m	kgf
50A	10	13259	8175
50A	16	123	194
50A	25	7718	30741
Peso Total 50A =			38111 kgf

DETALHAMENTO DAS LONGARINAS
ESC.:1:75 / 1:25



OBSERVAÇÃO
As armaduras de fendilhamento deverão ser posicionadas rigorosamente a 7 cm da face inferior da longarina, na projeção do aparelho de apoio conforme detalhe.

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
FENDILHAMENTO LONGARINAS (X2)					
50A	1	10	96	333	19648
50A	2	6.3	32	65	2080

RESUMO DE AÇO			
AÇO	BIT	COMPR.	PESO
	mm	m	kgf
50A	6.3	21	5
50A	10	186	115
Peso Total 50A =			120 kgf

FENDILHAMENTO LONGARINAS
ESC.:1:25

1- Utilizar dispositivos distanciadores e espaçadores que garantam os cobrimentos e posicionamentos das armaduras.

2- As armaduras deverão estar limpas e isentas de quaisquer substâncias que prejudiquem sua aderência ao concreto, inclusive escamas de oxidação.

3- Obedecer aos diâmetros de dobramento das barras de aço especificados pela NBR 6118.

4- Limpar as formas e vedar todas as juntas antes do lançamento do concreto. Em hipótese alguma a concretagem poderá ocorrer sobre neve, gelo, pedaços de madeira ou qualquer outro corpo estranho a estrutura.

5- Os volumes de concreto indicados nas plantas de formas das fundações e do tabuleiro, referem-se a toda obra de arte e os quantitativos de aço indicados nas demais plantas referem-se aos elementos constantes em cada uma delas.

6- O cumprimento por parte deste projeto, das normas pertinentes em vigência, não isenta o proprietário da responsabilidade de inspeções e manutenções periódicas na estrutura.

7- Modificação neste projeto, utilização do todo ou parte do projeto em obra diferente da especificada, ou sua repetição sem autorização, sujeitará os responsáveis as penas da legislação vigente.

8- Este projeto foi uso das normas técnicas da ABNT pertinentes a esta área, sendo elas: NBR 7187, NBR 7188, NBR 6118, NBR 6120, NBR 6122, NBR 6123, NBR 8681, NBR 12655.

DADOS DO PROJETO

- CLASSE DE AGRESSIVIDADE AMBIENTAL: II	- FATOR AGUA/CIMENTO:	
- CONSUMO DE CIMENTO = ou > 280Kg/m³	PARA CONCRETO ARMADO:	= ou < 0.60
- VIDA ÚTIL DO PROJETO (VUP) DE 50 ANOS	PARA CONCRETO PROTENDIDO:	= ou < 0.55
- f'c = 25 MPa		
	PARA ESTACAS DO TIPO RAIZ	
- CONSUMO DE CIMENTO = ou < 600Kg/m³	- FATOR AGUA/CIMENTO ENTRE 0.50 E 0.60	
- AGREGADO: AREIA		

COBRIMENTOS

Armaduras Passivas (CA-50 e CA-60)			Armaduras Ativas
Pilares e Vigas	2.5 cm	Elementos em contato com solo:	Vigas 3.0 cm
Lajes	2.0 cm	Pilares 4.5 cm	Lajes 2.5 cm
Fundações	5.0 cm	Vigas e Lajes 2.5 cm	

Atenção: Deve ser adotado controle rigoroso de qualidade e rígidos limites de tolerância da variabilidade das medidas durante a execução.

TREM TIPO: CLASSE 45

CARACTERÍSTICAS DO CONCRETO

Elementos:	fck (MPa)	Elementos:	fck (MPa)	Elementos:	fck (MPa)
Estacas	20	Lajes de Aproximação	30	Lajes	35
Blocos	30	Longarinas	35	Guarda Rodas	35
Pilares	30	Transversinas	35		
Travessas	30	Ales	30		

- MÓDULOS DE ELASTICIDADE:

PARA fck = 25 MPa	Eci = 24.2 GPa	PARA fck = 50 MPa Eci = 36.8 GPa
PARA fck = 30 MPa	Eci = 26.8 GPa	PARA fck = 55 MPa Eci = 38.1 GPa
PARA fck = 35 MPa	Eci = 29.4 GPa	PARA fck = 60 MPa Eci = 39.8 GPa
PARA fck = 40 MPa	Eci = 31.9 GPa	PARA fck = 65 MPa Eci = 41.0 GPa
PARA fck = 45 MPa	Eci = 34.3 GPa	PARA fck = 70 MPa Eci = 42.4 GPa

08			
07			
06			
05			
04			
03			
02			
01			
00	10/02/2025	EMISSÃO INICIAL	ENG° HÉRBIO
Revisão Nº	Data	Descrição da Revisão	Responsável

PROJETO ESTRUTURAL

Autores do Projeto:
AGNALDO JOSÉ DE OLIVEIRA JÚNIOR — CREA: 5060109MSP/SP
HÉRBIO HENRIQUE LOPES — CREA: 2081952/D

Etapa do Projeto: PROJETO EXECUTIVO | Projeto Nº: 24_0108 | Escala: Indicada | Data: 10/02/2025

Conteúdo: DETALHAMENTO DAS LONGARINAS

AGÊNCIA GOIANA DE INFRAESTRUTURA E TRANSPORTES - GOINFRA

Ponte sobre o Rio dos Macacos na Rodovia GO-236 | Trecho: Flores de Goiás - Entr. BR-020

PROJETO DE OBRA DE ARTE ESPECIAL | PROJETOS DE ESTRUTURAS E FUNDAÇÕES PARA OBRAS DE PONTES

Folha Nº	Revisão:	Unidades:	
009	R00	Cota: cm	Carga: tf Momento: tf.m

Arquivo: 24_108-009-VIG-EX-R00

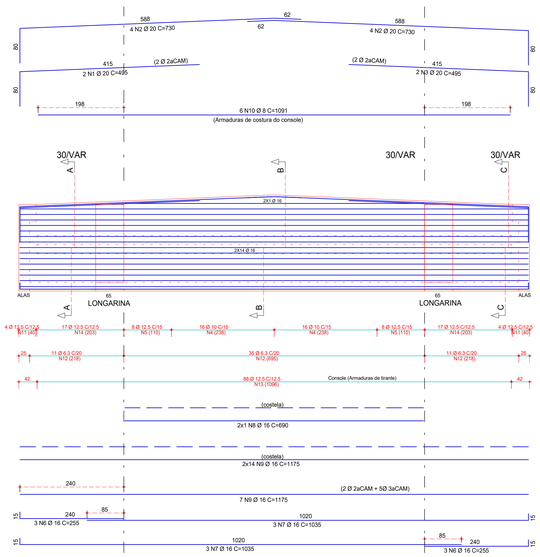
ESTA PLANTA DEVERÁ OBRIGATORIAMENTE SER PLOTADA COLORIDA.
DIREITOS AUTORAIS RESERVADOS. LEI Nº 9.594/98.

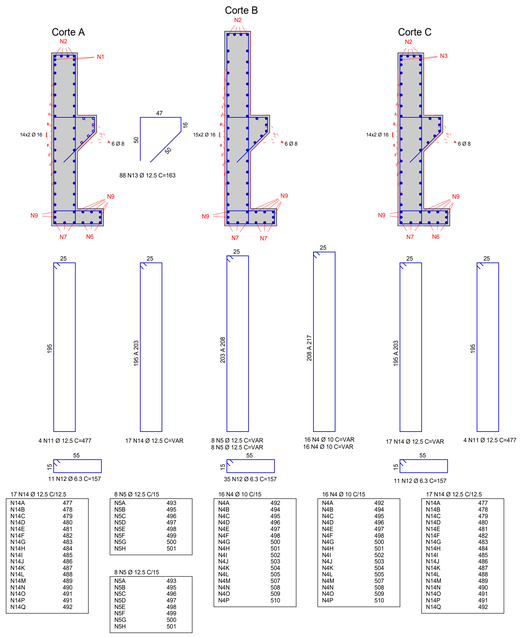
DATA: 2025-02-10 15:57:51 | ARQUIVO: 24_108-009-VIG-EX-R00.dwg | USUÁRIO: Hérbio Henrique Lopes | 10/02/2025 15:57

TRANSVERSINA 1=TRANSVERSINA 9

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
TRANSVERSINA 1=TRANSVERSINA 9 (X2)					
50A	1	20	4	495	1980
50A	2	20	16	730	11680
50A	3	20	4	495	1980
50A	4	10	64	--VAR-	32050
50A	5	12.5	32	--VAR-	15900
50A	6	16	12	255	3060
50A	7	16	12	1035	12420
50A	8	16	4	690	2760
50A	9	16	70	1175	82250
50A	10	8	12	1091	13092
50A	11	12.5	16	477	7632
50A	12	6.3	114	157	17898
50A	13	12.5	176	163	28688
50A	14	12.5	68	--VAR-	32971

RESUMO DE AÇO				
AÇO	BIT	COMPR		PESO
	mm	m		kgf
50A	6.3	179		44
50A	8	131		52
50A	10	320		198
50A	12.5	852		821
50A	16	1005		1586
50A	20	156		386
Peso Total	50A =			3086 kgf





17 N14 Ø 12.5 C/12.5	
N14A	477
N14B	478
N14C	479
N14D	480
N14E	481
N14F	482
N14G	483
N14H	484
N14I	485
N14J	486
N14K	487
N14L	488
N14M	489
N14N	490
N14O	491
N14P	491
N14Q	492

8 N5 Ø 12.5 C/15	
N5A	493
N5B	495
N5C	496
N5D	497
N5E	498
N5F	499
N5G	500
N5H	501

8 N5 Ø 12.5 C/15	
N5A	493
N5B	495
N5C	496
N5D	497
N5E	498
N5F	499
N5G	500
N5H	501

16 N4 Ø 10 C/15	
N4A	492
N4B	494
N4C	495
N4D	496
N4E	497
N4F	498
N4G	500
N4H	501
N4I	502
N4J	503
N4K	504
N4L	506
N4M	507
N4N	508
N4O	509
N4P	510

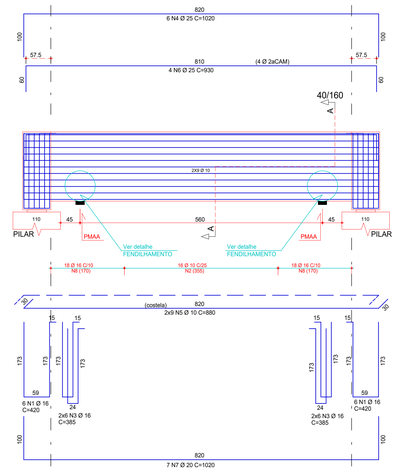
16 N4 Ø 10 C/15	
N4A	492
N4B	494
N4C	495
N4D	496
N4E	497
N4F	498
N4G	500
N4H	501
N4I	502
N4J	503
N4K	504
N4L	506
N4M	507
N4N	508
N4O	509
N4P	510

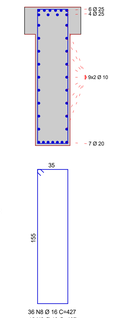
17 N14 Ø 12.5 C/12.5	
N14A	477
N14B	478
N14C	479
N14D	480
N14E	481
N14F	482
N14G	483
N14H	484
N14I	485
N14J	486
N14K	487
N14L	488
N14M	489
N14N	490
N14O	491
N14P	491
N14Q	492

TRANSVERSINA 2=4=6=8

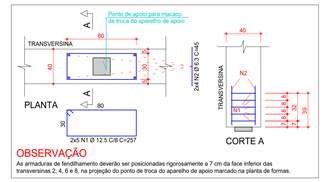
AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
TRANSVERSINA 2=4=6=8 (X4)					
50A	1	16	48	420	20160
50A	2	10	64	407	26048
50A	3	16	96	385	36960
50A	4	25	24	1020	24480
50A	5	10	72	880	63360
50A	6	25	16	930	14880
50A	7	20	28	1020	28560
50A	8	16	144	427	61488

RESUMO DE AÇO				
AÇO	BIT	COMPR		PESO
	mm	m		kgf
50A	10	894		551
50A	16	1186		1872
50A	20	286		704
50A	25	394		1517
Peso Total	50A =			4644 kgf





*PMAA - PONTO PARA APOIO DO MACACO DE MANUTENÇÃO DO APARELHO DE APOIO. ESTES DEVERÃO OBRIGATORIAMENTE SER POSICIONADOS NOS PONTOS DETERMINADOS ACIMA E ACIONADOS SIMULTANEAMENTE



OBSERVAÇÃO

As armaduras de fendilhamento deverão ser posicionadas rigorosamente a 7 cm da face inferior das transversinas 2, 4, 6 e 8, na projeção do ponto de troca do aparelho de apoio marcado na planta de formas.

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
FENDILHAMENTO TRANSVERSINAS (X4)					
50A	1	12.5	40	257	10280
50A	2	6.3	32	45	1440

RESUMO DE AÇO				
AÇO	BIT	COMPR		PESO
	mm	m		kgf
50A	6.3	14		4
50A	12.5	103		99
Peso Total	50A =			103 kgf

FENDILHAMENTO TRANSVERSINAS
ESC.:1:25

TRANSVERSINA 3=5=7

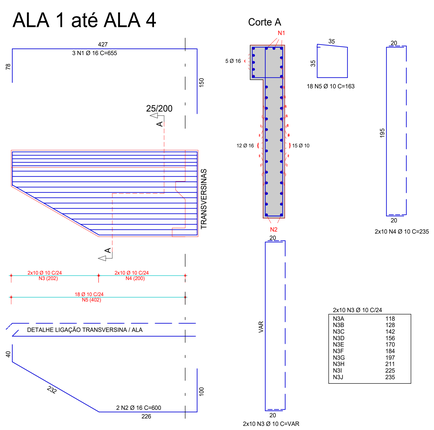
AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
TRANSVERSINA 3=5=7 (X3)					
50A	1	20	9	1020	9180
50A	2	20	18	1020	18360
50A	3	10	84	387	32508
50A	4	8	60	860	51600

RESUMO DE AÇO				
AÇO	BIT	COMPR		PESO
	mm	m		kgf
50A	8	516		204
50A	10	325		200
50A	20	275		679
Peso Total	50A =			1083 kgf

ALA 1 até ALA 4

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
ALA 1 até ALA 4 (X4)					
50A	1	16	12	655	7860
50A	2	16	8	600	4800
50A	3	10	80	--VAR-	14160
50A	4	10	80	235	18800
50A	5	10	72	163	11736

RESUMO DE AÇO				
AÇO	BIT	COMPR		PESO
	mm	m		kgf
50A	10	447		276
50A	16	127		200
Peso Total	50A =			475 kgf

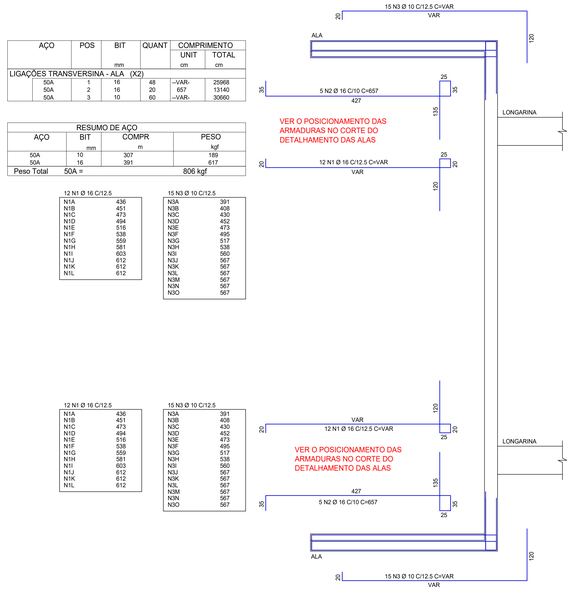


2x10 N3 Ø 10 C/24	
N3A	118
N3B	128
N3C	142
N3D	156
N3E	170
N3F	184
N3G	197
N3H	211
N3I	225
N3J	235

DETALHAMENTO DAS VIGAS
ESC.:1:50/1:25

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
LIGAÇÕES TRANSVERSINA - ALA (X2)					
50A	1	16	48	--VAR-	25968
50A	2	16	20	657	13140
50A	3	10	60	--VAR-	30660

RESUMO DE AÇO				
AÇO	BIT	COMPR		PESO
	mm	m		kgf
50A	10	307		189
50A	16	391		617
Peso Total	50A =			806 kgf



LIGAÇÕES TRANSVERSINA - ALA
ESC.:1:50

1- Utilizar dispositivos distanciadores e espaçadores que garantam os cobrimentos e posicionamentos das armaduras.

2- As armaduras deverão estar limpas e isentas de quaisquer substâncias que prejudiquem sua aderência ao concreto, inclusive escamas de oxidação.

3- Obedecer aos diâmetros de dobramento das barras de aço especificados pela NBR 6118.

4- Limpar as formas e vedar todas as juntas antes do lançamento do concreto. Em hipótese alguma a concretagem poderá ocorrer sobre raspa, pó, pedaços de madeira ou qualquer outro corpo estranho a estrutura.

5- Os volumes de concreto indicados nas plantas de formas das fundações e do tabuleiro, referem-se a toda obra de arte e os quantitativos de aço indicados nas demais plantas referem-se aos elementos constantes em cada uma delas.

6- O cumprimento por parte deste projeto, das normas pertinentes em vigência, não isenta o proprietário da responsabilidade de inspeções e manutenções periódicas na estrutura.

7- Modificação neste projeto, utilização do todo ou parte do projeto em obra diferente da especificada, ou sua repetição sem autorização, sujeitará os responsáveis as penas da legislação vigente.

8- Este projeto foi uso das normas técnicas da ABNT pertinentes a esta área, sendo elas: NBR 7187, NBR 7188, NBR 6118, NBR 6120, NBR 6122, NBR 6123, NBR 8681, NBR 12655.

DADOS DO PROJETO

- CLASSE DE AGRESSIVIDADE AMBIENTAL II	- FATOR ÁGUA/CIMENTO:
- CONSUMO DE CIMENTO > ou = 280Kg/m³	PARA CONCRETO ARMADO: < ou = 0,60
- VIDA ÚTIL DO PROJETO (VUP) DE 50 ANOS	PARA CONCRETO PROTENDIDO: < ou = 0,55
- fcj = 25 MPa	
PARA ESTACAS DO TIPO RAIZ	
- CONSUMO DE CIMENTO > ou = 600Kg/m³	- FATOR ÁGUA/CIMENTO ENTRE 0,50 E 0,60
- AGREGADO: AREIA	

COBRIMENTOS

Armaduras Passivas (CA-50 e CA-60)			Armaduras Ativas	
Pilares e Vigas	2.5 cm	Elementos em contato com solo:	Vigas	3.0 cm
Lajes	2.0 cm	Pilares	4.0 cm	Lajes	2.5 cm
Fundações	5.0 cm	Vigas e Lajes	2.5 cm		

Atenção: Deve ser adotado controle rigoroso de qualidade e rígidos limites de tolerância da variabilidade das medidas durante a execução.

TREM TIPO: CLASSE 45

CARACTERÍSTICAS DO CONCRETO

Elementos:	fck (MPa)	Elementos:	fck (MPa)	Elementos:	fck (MPa)
Estacas	20	Lajes de Aproximação	30	Lajes	35
Blocos	30	Longarinas	35	Guarda Rodas	35
Pilares	30	Transversinas	35		
Travessas	30	Alas	35		

- MÓDULOS DE ELASTICIDADE:

PARA fck = 25 MPa	Ecs = 24.2 GPa	PARA fck = 50 MPa	Ecs = 36.6 GPa
PARA fck = 30 MPa	Ecs = 26.8 GPa	PARA fck = 55 MPa	Ecs = 38.1 GPa
PARA fck = 35 MPa	Ecs = 29.4 GPa	PARA fck = 60 MPa	Ecs = 39.6 GPa
PARA fck = 40 MPa	Ecs = 31.9 GPa	PARA fck = 65 MPa	Ecs = 41.0 GPa
PARA fck = 45 MPa	Ecs = 34.3 GPa	PARA fck = 70 MPa	Ecs = 42.4 GPa

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PROJETO ESTRUTURAL

Autores do Projeto:
AGNALDO JOSÉ DE OLIVEIRA JÚNIOR — CREA: 5069103486/D-SP
HÉRBIO HENRIQUE LOPES — CREA: 2091810-GO

Etapa do Projeto:	Projeto Nº:	Escala:	Data:
PROJETO EXECUTIVO	24_0108	Indicada	10/02/2025

Conteúdo:
DETALHAMENTO DAS TRANSVERSINAS E ALAS

GO INFRA — Oliveira-Rae Engenharia

AGÊNCIA GOIANA DE INFRAESTRUTURA E TRANSPORTES - GOINFRA

Ponte sobre o Rio dos Macacos na Rodovia GO-236 | Trecho: Flores de Goiás - Entr. BR-020

PROJETO DE OBRA DE ARTE ESPECIAL | PROJETOS DE ESTRUTURAS E FUNDAÇÕES PARA OBRAS DE PONTES

Folha Nº:	Revisão:	Unidades:		
010	R00	Cota: cm	Carga: tf	Momento: tf.m

ESTA PLANTA DEVERÁ OBRIGATORIAMENTE SER PLOTADA COLORIDA

Arquivo: 24_108-010-VIG-EX-R00

DIREITOS AUTORAIS RESERVADOS. LEI Nº: 5194/66

Escala: 1/25 Gs 1:25

FOLHA A0 - 118.9x84.1

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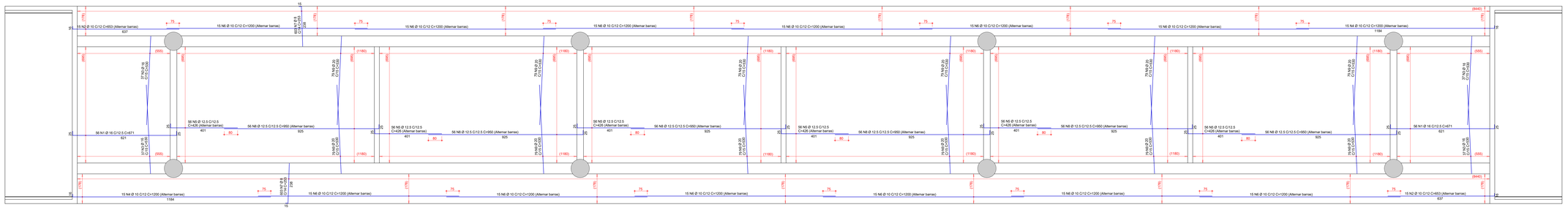
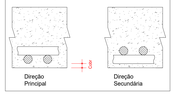


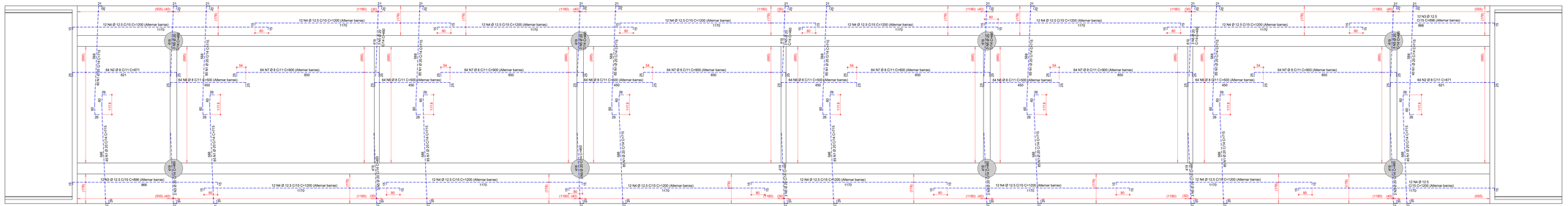
ARMADURAS POSITIVAS
ESC.: 1:75

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
ARMADURAS POSITIVAS					
50A	1	16	112	671	75152
50A	2	10	30	653	19590
50A	3	16	56	1200	67200
50A	4	10	180	1200	216000
50A	5	12.5	336	426	143136
50A	6	10	180	1200	216000
50A	7	8	1206	253	305118
50A	8	12.5	336	950	319200
50A	9	20	948	530	502440

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	8	3051	1204
50A	10	2716	1675
50A	12.5	4623	4454
50A	16	1536	2424
50A	20	5024	12991
Peso Total	50A =		22148 kgf

Detalhe genérico do alojamento
de armaduras positivas



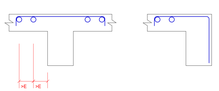


ARMADURAS NEGATIVAS
ESC.: 1:75

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
ARMADURAS NEGATIVAS					
50A	1	20	1180	715	843700
50A	2	8	64	621	39744
50A	3	12.5	24	896	21504
50A	4	12.5	168	1200	201600
50A	5	20	42	480	19320
50A	6	8	384	500	192000
50A	7	8	384	900	345600

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	8	6235	2480
50A	12.5	2231	2149
50A	20	8630	21284
Peso Total	50A =		25893 kgf

DETALHE TÍPICO DE DISTRIBUIÇÃO
DE ARMADURA NEGATIVA



1- Utilizar dispositivos distanciadores e espaçadores que garantam os cobrimentos e posicionamentos das armaduras.

2- As armaduras deverão estar limpas e isentas de quaisquer substâncias que prejudiquem sua aderência ao concreto, inclusive escamas de oxidação.

3- Obedecer aos diâmetros de dobramento das barras de aço especificados pela NBR 6118.

4- Limpar as formas e vedar todas as juntas antes do lançamento do concreto. Em hipótese alguma a concretagem poderá ocorrer sobre neve, gelo, pedaços de madeira ou qualquer outro corpo estranho a estrutura.

5- Os volumes de concreto indicados nas plantas de formas das fundações e do tabuleiro, referem-se a toda obra de arte e os quantitativos de aço indicados nas demais plantas referem-se aos elementos constantes em cada uma delas.

6- O cumprimento por parte deste projeto, das normas pertinentes em vigência, não isenta o proprietário da responsabilidade de inspeções e manutenções periódicas na estrutura.

7- Modificação neste projeto, utilização do todo ou parte do projeto em obra diferente da especificada, ou sua repetição sem autorização, sujeitará os responsáveis as penas da legislação vigente.

8- Este projeto foi uso das normas técnicas da ABNT pertinentes a esta área, sendo elas: NBR 7187, NBR 7188, NBR 6118, NBR 8100, NBR 6122, NBR 6123, NBR 8681, NBR 12655.

DADOS DO PROJETO

- CLASSE DE AGRESSIVIDADE AMBIENTAL II	- FATOR AGUACIMENTO:	
- CONSUMO DE CIMENTO = a/c = 280kg/m³	PARA CONCRETO ARMADO	= a/c = 0.60
- VIDA ÚTIL DO PROJETO (VUP) DE 50 ANOS	PARA CONCRETO PROTENDIDO	= a/c = 0.55
- fck = 25 MPa		
PARA ESTACAS DO TIPO RAIZ		
- CONSUMO DE CIMENTO = a/c = 600kg/m³	- FATOR AGUACIMENTO ENTRE 0.50 E 0.60	
- AGREGADO: AREIA		

COBRIMENTOS

Armaduras Passivas (CA-50 e CA-60)				Armaduras Ativas	
Pilares e Vigas	2.5 cm	Elementos em contato com solo:		Vigas	3.0 cm
Lajes	2.0 cm	Pilares	4.5 cm	Lajes	2.5 cm
Fundações	5.0 cm	Vigas e Lajes	2.5 cm		

Atenção: Deve ser adotado controle rigoroso de qualidade e rígidos limites de tolerância da variabilidade das medidas durante a execução.

TREM TIPO: CLASSE 45

CARACTERÍSTICAS DO CONCRETO

Elementos:	fck (MPa)	Elementos:	fck (MPa)	Elementos:	fck (MPa)
Estacas	20	Lajes de Aproximação	30	Lajes	35
Blocos	30	Longarinas	35	Guarda Rodas	35
Pilares	30	Transversinas	35		
Travessas	30	Ales	30		

- MÓDULOS DE ELASTICIDADE:

PARA fck = 20 MPa	Eca = 24.2 GPa	PARA fck = 50 MPa	Eca = 36.8 GPa
PARA fck = 30 MPa	Eca = 26.8 GPa	PARA fck = 55 MPa	Eca = 38.1 GPa
PARA fck = 35 MPa	Eca = 29.4 GPa	PARA fck = 60 MPa	Eca = 39.8 GPa
PARA fck = 40 MPa	Eca = 31.9 GPa	PARA fck = 65 MPa	Eca = 41.5 GPa
PARA fck = 45 MPa	Eca = 34.3 GPa	PARA fck = 70 MPa	Eca = 42.4 GPa

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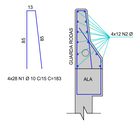
Revisão Nº	Data	Descrição da Revisão	Responsável

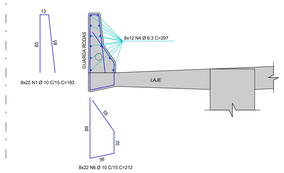
AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
GUARDA RODAS					
50A	1	10	1308	183	239364
50A	2	6.3	40	396	15836
50A	3	6.3	16	247	3952
50A	4	6.3	80	1200	9600
50A	5	6.3	360	480	172800
50A	6	10	1196	212	253552

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	6.3	2203	539
50A	10	5201	3207
Peso Total	50A =		3746 kgf

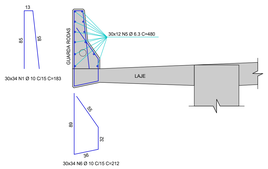
Para guarda rodas de 400 cm



Para guarda rodas de 301 cm

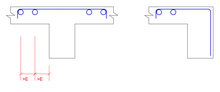


Para guarda rodas de 484 cm

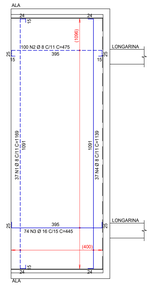


GUARDA RODAS
ESC.:1:25

DETALHE TÍPICO DE DISTRIBUIÇÃO
DE ARMADURA NEGATIVA



Detalhe genérico do alojamento
de armaduras positivas



AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
LAJES DE APROXIMAÇÃO (X2)					
50A	1	8	74	1169	86506
50A	2	8	200	475	95000
50A	3	16	148	445	65860
50A	4	8	74	1139	84286

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	8	2658	1049
50A	16	655	1040
Peso Total	50A =		2088 kgf

LAJES DE APROXIMAÇÃO
ESC.:1:50

PROJETO ESTRUTURAL

Autores do Projeto:		
AGNALDO JOSÉ DE OLIVEIRA JÚNIOR		HÉRBIO HENRIQUE LOPES
CREA: 5060104806/D-GO		CREA: 2061851/D-GO

Etapa do Projeto:	Projeto Nº:	Escala:	Data:
PROJETO EXECUTIVO	24_0108	Indicada	11/02/2025

Conteúdo:
DETALHAMENTO DAS LAJES

AGÊNCIA GOIANA DE INFRAESTRUTURA E TRANSPORTES - GOINFRA

Ponte sobre o Rio dos Macacos na Rodovia GO-236 | Trecho: Flores de Goiás - Entr. BR-020

PROJETO DE OBRA DE ARTE ESPECIAL | PROJETOS DE ESTRUTURAS E FUNDAÇÕES PARA OBRAS DE PONTES

Folha Nº:	Revisão:	Unidades:		
011	R00	Cota: cm	Carga: tf	Momento: tf.m

ESTA PLANTA DEVERÁ OBRIGATORIAMENTE SER PLOTADA COLORIDA.
DIREITOS AUTORAIS RESERVADOS. LEI Nº 9.594/96

Arquivo:
04_168-011-LAJ-EX-R00

DATA: 06/02/2025 15:57:56 | USUÁRIO: Agnaldo | PC: DESKTOP-EA3FAVT | 11/02/2025 17:15:08

V. TERMO DE ENCERRAMENTO

A **Oliveira, Rae & Cia Engenharia** faz o encerramento do presente documento, **Volume 2 – Anteprojetos**, composto por 125 páginas, incluindo esta, numeradas em ordem sequencial crescente, no qual se destina a elaboração do anteprojeto de engenharia para construção de rodovias na GO-236 – Flores de Goiás – Entr. GO-020.

Este documento refere-se à revisão 01 e está detalhada no quadro abaixo para melhor conferência dos trabalhos.

Revisão	Data	Comentário
01	05/09/2025	Revisão geral
00	15/08/2025	Emissão inicial

Campo Grande/MS, setembro de 2025

Oliveira & Rae Engenharia LTDA

Engº. Agnaldo J. de Oliveira Jr.

Diretor de Engenharia