REPÚBLICA FEDERATIVA DO BRASIL
MINISTÉRIO DA INFRAESTRUTURA

Departamento Nacional de Infraestrutura de Transportes – DNIT

Superintendência Regional no Estado do Mato Grosso do Sul

Contratação Integrada de Empresa para Elaboração dos Projetos Básico e Executivo de Engenharia e Execução das Obras de Engenharia para a Construção do Contorno Rodoviário no Município de Três Lagoas/Ms, Interligando a BR-158/MS e a BR-262/MS, Lote Único.

LOTE:	**Único**
RODOVIA:	**BR – 158/262/MS**
TRECHO:	**Entr. BR-158/MS (p/Selvíria) – Div. SP/MS (fim da trav. s/ Rio Paraná)**
SUBTRECHO:	**Entr. BR-158/MS (p/ Selvíria) (A) – Div. SP/MS (fim da trav. s/ Rio Paraná)**
SEGMENTO:	**Início (Contorno Rodoviário de Três Lagoas) – Entr BR-158 (C) (p/ Brasilândia) - Entr BR-158 (C) (p/ Brasilândia) – Fim (Contorno Rodoviário de Três Lagoas – Início (Contorno Rodoviário de Três Lagoas) – Entr BR-262 (C) - Entr BR-262 (C) - Entr BR-158 (C) (p/ Brasilândia)**
EXTENSÃO:	**26,50 km**
CÓDIGO SNV:	**BR-262 262CMS1005-262CMS1010 e BR-158 158CMS1005-158CMS1010**

PROJETO BÁSICO/EXECUTIVO

VOLUME 3D – NOTAS DE SERVIÇO, CÁCULO DE VOLUMES E MEMÓRIAS JUSTIFICATIVAS – PROJETO DE TERRAPLENAGEM

TOMO I

JULHO/2021

REPÚBLICA FEDERATIVA DO BRASIL
MINISTÉRIO DA INFRAESTRUTURA

Departamento Nacional de Infraestrutura de Transportes – DNIT

Superintendência Regional no Estado do Mato Grosso do Sul

Contratação Integrada de Empresa para Elaboração dos Projetos Básico e Executivo de Engenharia e Execução das Obras de Engenharia para a Construção do Contorno Rodoviário no Município de Três Lagoas/Ms, Interligando a BR-158/MS e a BR-262/MS, Lote Único.

LOTE:	**Único**
RODOVIA:	**BR – 158/262/MS**
TRECHO:	**Entr. BR-158/MS (p/Selvíria) – Div. SP/MS (fim da trav. s/ Rio Paraná)**
SUBTRECHO:	**Entr. BR-158/MS (p/ Selvíria) (A) – Div. SP/MS (fim da trav. s/ Rio Paraná)**
SEGMENTO:	**Início (Contorno Rodoviário de Três Lagoas) – Entr BR-158 (C) (p/ Brasilândia) - Entr BR-158 (C) (p/ Brasilândia) – Fim (Contorno Rodoviário de Três Lagoas – Início (Contorno Rodoviário de Três Lagoas) – Entr BR-262 (C) - Entr BR-262 (C) - Entr BR-158 (C) (p/ Brasilândia)**
EXTENSÃO:	**26,50 km**
SUPERVISÃO:	**Diretoria de Planejamento e Pesquisa - DPP**
COORDENAÇÃO:	**Superintendência Regional no Estado do Mato Grosso do Sul**
FISCALIZAÇÃO:	**Unidade Local de Três Lagoas / MS**
ELABORAÇÃO:	**Consórcio Contorno de Três Lagoas**
CONTRATO:	**934/2020**
PROCESSO:	**50619.500216/2017-37**
EDITAL:	**RDC Eletrônico 458/2020-19**

PROJETO BÁSICO/EXECUTIVO

VOLUME 3D – NOTAS DE SERVIÇO, CÁCULO DE VOLUMES E MEMÓRIAS JUSTIFICATIVAS – PROJETO DE TERRAPLENAGEM

TOMO I

JULHO/2021

DNIT	RELATÓRIO	RL-BR-158/262.MS-033-752-004-200=0
	OBJETO DO CONTRATO: Contratação Integrada de Empresa para Elaboração dos Projetos Básico e Executivo de Engenharia e Execução das Obras de Engenharia para a Construção do Contorno Rodoviário no Município de Três Lagoas/Ms, Interligando a BR-158/MS e a BR-262/MS, Lote Único	FOLHA: 01 / 01
UL - TRÊS LAGOAS - MS	TÍTULO: VOLUME 03D - NOTAS DE SERVIÇO, CÁLCULO DE VOLUMES E MEMÓRIAS JUSTIFICATIVAS	

CONTRATO Nº: 934/2020
RESPONSÁVEL TÉCNICO: ENG° WAGNER R. CHAVES
CREA: 0601618610

ÍNDICE DE REVISÕES

REV.	DESCRIÇÃO E/OU FOLHAS ATINGIDAS
0	EMISSÃO ORIGINAL
A	EM RESPOSTA AO RELATÓRIO DE ANALISE 165/2021/COPTER/CGDESP/DPP/DNIT

	REV. 0	REV. A	REV. B	REV. C	REV. D	REV. E	REV. F	REV. G
DATA	MAIO/2021	JULHO/2021						
PROJETO	CONSÓRCIO CONTORNO DE TRÊS LAGOAS	CONSÓRCIO CONTORNO DE TRÊS LAGOAS						
EXECUÇÃO	ENG° ROSANA CARVALHO DE FREITAS	ENG° RODRIGO REIS ENG° RAFAEL B. PEREIRA						
VERIFICAÇÃO	ENG° WAGNER RODRIGUES CHAVES	ENG° WAGNER RODRIGUES CHAVES						
APROVAÇÃO	ENG° WAGNER RODRIGUES CHAVES	ENG° WAGNER RODRIGUES CHAVES						

AS INFORMAÇÕES DESTE DOCUMENTO SÃO PROPRIEDADE DO DNIT. SENDO PROIBIDA A UTILIZAÇÃO FORA DA SUA FINALIDADE

FORMULÁRIO PERTENCENTE A NORMA DNIT Nº 125/2010 ANEXO A – FIGURA A–1

SUMÁRIO

TOMO I

1. Apresentação 11
2. Mapa de Situação 14
3. Projetos 16
3.1. Projeto de Terraplenagem 17
3.1.1. Considerações Gerais 17
3.1.2. Características do Projeto de Terraplenagem 17
3.1.3. Planilha de Quantidades 31
3.1.4. Apresentação do Projeto 33
4. Notas de Serviço 34
4.1. Notas de Serviço da Plataforma Acabada 34
4.1.1. BR-158/262-MS 35
4.1.2. Interseção Est.35+0,000 49
4.1.2.1. Ramo 100 49
4.1.2.2. Ramo 200 51
4.1.2.3. Ramo 300 54
4.1.2.4. Ramo 400 56
4.1.2.5. Ramo 500 58
4.1.2.6. Ramo 600 60
4.1.2.7. Ramo 700 62
4.1.3. Interseção Est.515+0,000 64
4.1.3.1. Ramo 100 64
4.1.3.2. Ramo 200 66
4.1.3.3. Ramo 300 68
4.1.3.4. Ramo 400 70

4.1.3.5. Ramo 500 72
4.1.3.6. Ramo 600 74
4.1.3.7. Ramo 700 76
4.1.3.8. Ramo 800 78
4.1.3.9. BR-262 80
4.1.4. Interseção Est.719+0,000 83
4.1.4.1. Ramo 100 83
4.1.4.2. Ramo 200 85
4.1.4.3. Ramo 300 87
4.1.4.4. Ramo 400 89
4.1.4.5. Ramo 500 91
4.1.4.6. Ramo 600 93
4.1.4.7. Ramo 700 95
4.1.4.8. Ramo 800 97
4.1.4.9. BR-158 99
4.1.5. Interseção Est.965+0,000 102
4.1.5.1. Ramo 100 102
4.1.5.2. Ramo 200 105
4.1.5.3. Ramo 300 108
4.1.5.4. Ramo 400 110
4.1.5.5. Ramo 500 112
4.1.5.6. Ramo 600 114
4.1.5.7. Ramo 700 116
4.1.5.8. Ramo 800 118
4.1.6. Interseção Est.1300+0,000 120
4.1.6.1. Ramo 100 120

4.1.6.2. Ramo 200 122
4.1.6.3. Ramo 300 124
4.1.6.4. Ramo 400 126
4.1.6.5. Ramo 500 128
4.1.6.6. Ramo 600 130
4.1.6.7. Ramo 700 132
4.1.6.8. Rua Jupiá 134
4.1.7. Interseção Est.1325+0,000 136
4.1.7.1. Ramo 200 136
4.1.7.2. Ramo 300 138
4.1.7.3. Ramo 400 140
4.1.7.4. Ramo 500 142
4.1.7.5. Ramo 600 144
4.1.7.6. Ramo 700 146
4.1.7.7. Ramo 800 148
5. Notas de Serviço da Plataforma de Terraplenagem 150
5.1.1. BR-158/262-MS 151
5.1.2. Interseção Est.35+0,000 176
5.1.2.1. Ramo 100 176
5.1.2.2. Ramo 200 179
5.1.2.3. Ramo 300 182
5.1.2.4. Ramo 400 184
5.1.2.5. Ramo 500 186
5.1.2.6. Ramo 600 188
5.1.2.7. Ramo 700 190
5.1.3. Interseção Est.515+0,000 192

5.1.3.1. Ramo 100 192
5.1.3.2. Ramo 200 194
5.1.3.3. Ramo 300 196
5.1.3.4. Ramo 400 198
5.1.3.5. Ramo 500 200
5.1.3.6. Ramo 600 202
5.1.3.7. Ramo 700 205
5.1.3.8. Ramo 800 207
5.1.3.9. BR-262 209
5.1.4. Interseção Est.719+0,000 213
5.1.4.1. Ramo 100 213
5.1.4.2. Ramo 200 215
5.1.4.3. Ramo 300 217
5.1.4.4. Ramo 400 219
5.1.4.5. Ramo 500 221
5.1.4.6. Ramo 600 223
5.1.4.7. Ramo 700 225
5.1.4.8. Ramo 800 227
5.1.4.9. BR-158 229
5.1.5. Interseção Est.965+0,000 232
5.1.5.1. Ramo 100 232
5.1.5.2. Ramo 200 235
5.1.5.3. Ramo 300 238
5.1.5.4. Ramo 400 240
5.1.5.5. Ramo 500 242
5.1.5.6. Ramo 600 244

5.1.5.7. Ramo 700 246
5.1.5.8. Ramo 800 248
5.1.6. Interseção Est.1300+0,000 250
5.1.6.1. Ramo 100 250
5.1.6.2. Ramo 200 253
5.1.6.3. Ramo 300 256
5.1.6.4. Ramo 400 258
5.1.6.5. Ramo 500 260
5.1.6.6. Ramo 600 262
5.1.6.7. Ramo 700 264
5.1.6.8. Rua Jupiá 266
5.1.7. Interseção Est.1325+0,000 268
5.1.7.1. Ramo 200 268
5.1.7.2. Ramo 300 271
5.1.7.3. Ramo 400 273
5.1.7.4. Ramo 500 275
5.1.7.5. Ramo 600 277
5.1.7.6. Ramo 700 279
5.1.7.7. Ramo 800 281
6. Termo de Encerramento 283

TOMO II

7. Apresentação 11
8. Mapa de Situação 14
9. Planilha de Cálculo de Volumes 16
9.1.1. BR-158/262-MS 17

9.1.2. Interseção Est.35+0,000 77
9.1.2.1. Ramo 100 77
9.1.2.2. Ramo 200 84
9.1.2.3. Ramo 300 92
9.1.2.4. Ramo 400 97
9.1.2.5. Ramo 500 101
9.1.2.6. Ramo 600 105
9.1.2.7. Ramo 700 109
9.1.3. Interseção Est.515+0,000 113
9.1.3.1. Ramo 100 113
9.1.3.2. Ramo 200 117
9.1.3.3. Ramo 300 122
9.1.3.4. Ramo 400 127
9.1.3.5. Ramo 500 131
9.1.3.6. Ramo 600 137
9.1.3.7. Ramo 700 143
9.1.3.8. Ramo 800 148
9.1.3.9. BR-262 154
9.1.4. Interseção Est.719+0,000 163
9.1.4.1. Ramo 100 163
9.1.4.2. Ramo 200 167
9.1.4.3. Ramo 300 171
9.1.4.4. Ramo 400 175
9.1.4.5. Ramo 500 179
9.1.4.6. Ramo 600 184
9.1.4.7. Ramo 700 188

9.1.4.8. Ramo 800 193
9.1.4.9. BR-158 197
9.1.5. Interseção Est.965+0,000 205
9.1.5.1. Ramo 100 205
9.1.5.2. Ramo 200 212
9.1.5.3. Ramo 300 220
9.1.5.4. Ramo 400 224
9.1.5.5. Ramo 500 229
9.1.5.6. Ramo 600 234
9.1.5.7. Ramo 700 239
9.1.5.8. Ramo 800 244
9.1.6. Interseção Est.1300+0,000 249
9.1.6.1. Ramo 100 249
9.1.6.2. Ramo 200 254
9.1.6.3. Ramo 300 259
9.1.6.4. Ramo 400 263
9.1.6.5. Ramo 500 267
9.1.6.6. Ramo 600 271
9.1.6.7. Ramo 700 275
9.1.6.8. Rua Jupiá 280
9.1.7. Interseção Est.1325+0,000 285
9.1.7.1. Ramo 200 285
9.1.7.2. Ramo 300 292
9.1.7.3. Ramo 400 298
9.1.7.4. Ramo 500 303
9.1.7.5. Ramo 600 308

9.1.7.6. Ramo 700 313

9.1.7.7. Ramo 800 318

10. Responsáveis pela Elaboração do Projeto 323

11. Anotação de Responsabilidade Técnica - ART 325

12. Termo de Encerramento 332

1. Apresentação

O CONSÓRCIO CONTORNO DE TRÊS LAGOAS apresenta ao Departamento Nacional de Infraestrutura de Transporte (DNIT) o **Volume 03D - Notas de Serviço, Cálculo de Volumes e Memórias Justificativas - Projeto de Terraplenagem – Tomo I**, Projeto Básico/Executivo do Edital de Licitação RDC Eletrônico Nº 458/2020-19 para Execução das Obras de Engenharia para a Construção do Contorno Rodoviário no Município de Três Lagoas/MS, interligando a BR-158/MS e a BR-262/MS, Lote único.

Lote Único

Rodovia: BR – 158/262/MS

Trecho: Entr. BR-158/MS (p/Selvíria) – Div. SP/MS (fim da trav. s/ Rio Paraná)

Subtrecho: Entr. BR-158/MS (p/ Selvíria) (A) – Div. SP/MS (fim da trav. s/ Rio Paraná)

Segmento: Início (Contorno Rodoviário de Três Lagoas) – Entr BR-158 (C) (p/ Brasilândia) - Entr BR-158 (C) (p/ Brasilândia) – Fim (Contorno Rodoviário de Três Lagoas – Início (Contorno Rodoviário de Três Lagoas) – Entr BR-262 (C) - Entr BR-262 (C) - Entr BR-158 (C) (p/ Brasilândia)

Extensão: 26,5 km

Código do SNV: BR-262 262CMS1005-262CMS1010 e BR-158 158CMS1005-158CMS1010

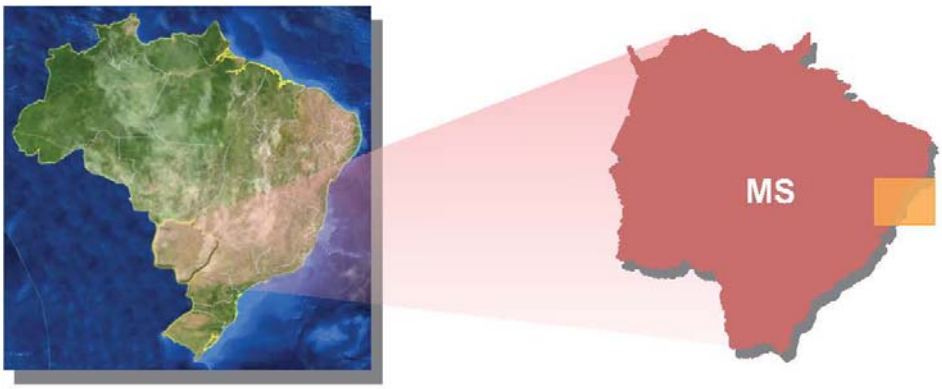
Objeto do contrato: Contratação Integrada de Empresa para Elaboração dos Projetos Básico e Executivo de Engenharia e Execução das Obras de Engenharia para a Construção do Contorno Rodoviário no Município de Três Lagoas/Ms, Interligando a BR-158/MS e a BR-262/MS, Lote Único.

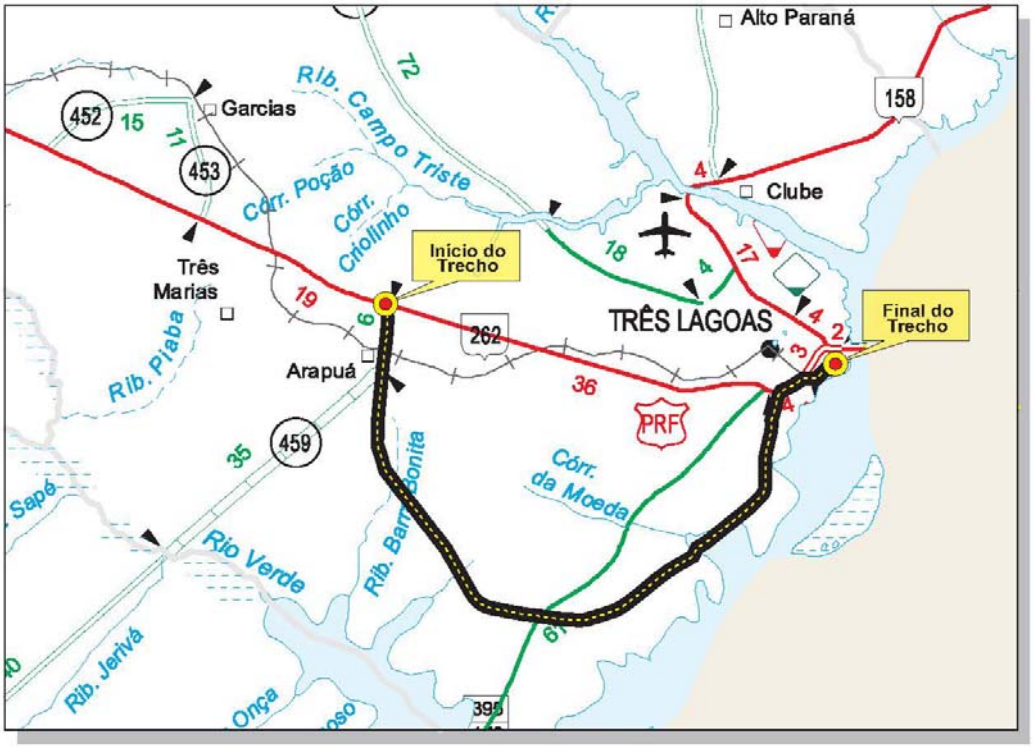
Este Relatório é apresentado em três volumes:

- Volume 01 - Relatório do Projeto – Projeto de Terraplenagem;
- Volume 02 - Projeto de Execução – Projeto de Terraplenagem – Tomo I;
- Volume 02 - Projeto de Execução – Projeto de Terraplenagem – Tomo II;
- Volume 02 - Projeto de Execução – Projeto de Terraplenagem – Tomo III;
- Volume 02 - Projeto de Execução – Projeto de Terraplenagem – Tomo IV;
- **Volume 03D - Notas de Serviço, Cálculo de Volumes e Memórias Justificativas – Projeto de Terraplenagem – Tomo I.**
- Volume 03D - Notas de Serviço, Cálculo de Volumes e Memórias Justificativas – Projeto de Terraplenagem – Tomo II.

Eng.º Wagner Rodrigues Chaves (CREA/SP - 0601618610)

2. Mapa de Situação





Rodovia	: BR-158/262/MS	Contratação Integrada de Empresa para Elaboração dos Projetos Básico e Executivo de Engenharia e Execução das Obras de Engenharia para a Construção do Contorno Rodoviário no Município de Três Lagoas/Ms, Interligando a BR-158/MS e a BR-262/MS, Lote Único.
Trecho	: Entr. BR-158/MS (p/Selvíria) – Div. SP/MS (fim da trav. s/ Rio Paraná)	
Subtrecho	: Entr. BR-158/MS (p/ Selvíria) (A) – Div. SP/MS (fim da trav. s/ Rio Paraná)	
Segmento	: Início (Contorno Rodoviário de Três Lagoas) – Entr BR-158 (C) (p/ Brasilândia) - Entr BR-158 (C) (p/ Brasilândia) – Fim (Contorno Rodoviário de Três Lagoas – Início (Contorno Rodoviário de Três Lagoas) – Entr BR-262 (C) - Entr BR-262 (C) - Entr BR-158 (C) (p/ Brasilândia)	**MAPA DE SITUAÇÃO**
Extensão	: 26,5 km	

3. Projetos

3.1. Projeto de Terraplenagem

3.1.1. Considerações Gerais

O projeto de terraplenagem foi desenvolvido considerando as (IS – Instruções de Serviços) contidas no IPR-726 - Manual de Diretrizes Básicas para Elaboração de Estudos e Projetos Rodoviários (Escopos Básicos/Instruções de Serviço), do DNIT e nos estudos geotécnicos, e nos projetos geométrico, de pavimentação e de drenagem, através dos quais foram possíveis a definição das características dos materiais e a quantificação dos volumes a movimentar.

O greide apresentado no projeto geométrico é o de pavimentação. O de terraplenagem é obtido pela subtração da espessura das camadas do pavimento. As cotas de implantação da terraplenagem, referentes ao eixo das estacas, encontram-se nas notas de serviço.

Os serviços de terraplenagem serão compostos de desmatamento, destocamento e limpeza das áreas; remoção do material proveniente da limpeza; escavação, carga e transporte de material de 1ª categoria e compactação de aterros.

Os taludes que apresentam fatores de segurança maior ou igual ao solicitado em relatório de estabilidade terão a inclinação de 1:1 (um metro na vertical para um na horizontal) nos cortes em solo, e de 1:1,5 nos aterros. Os taludes que apresentaram fatores de segurança abaixo do recomendado sofreram suavizações de inclinação para atendimento ao fator de segurança. Os estudos de estabilidade são apresentados em estudos geológicos e geotécnicos, sendo as seções apresentadas em Volume 2 – Projeto de Terraplenagem.

Antes da execução dos aterros será necessária a limpeza da camada vegetal, nas espessuras indicadas nos perfis de sondagens, conforme instruções constantes no Manual de Projetos do DNIT.

3.1.2. Características do Projeto de Terraplenagem

3.1.2.1 Limpeza de Terreno e Destocamento

A área de limpeza foi restringida ao limite dos off-set mais um acréscimo de largura de 2,00 m tanto nas seções de corte e aterro. O acréscimo de área é necessária para eventuais estocagens e estradas se serviço. Para os empréstimos concentrados, a limpeza deverá ser executada apenas na área a ser escavada.

A limpeza compreende a área roçada, remoção de árvores, arbustos, tocos, galhos, o destocamento, empilhamento, carga, transporte, descarga e espalhamento. O material proveniente da limpeza, deverá ser espalhado dentro dos empréstimos concentrados ao longo da via. A profundidade média de limpeza considerada é de 20 cm.

Desmatamento e destocamento de árvores de diametro inferior a 0,20 m e limpeza de terreno.

Jazidas	Área (m²)
Jazida - 01	18.823,54
Total parcial:	18.823,54

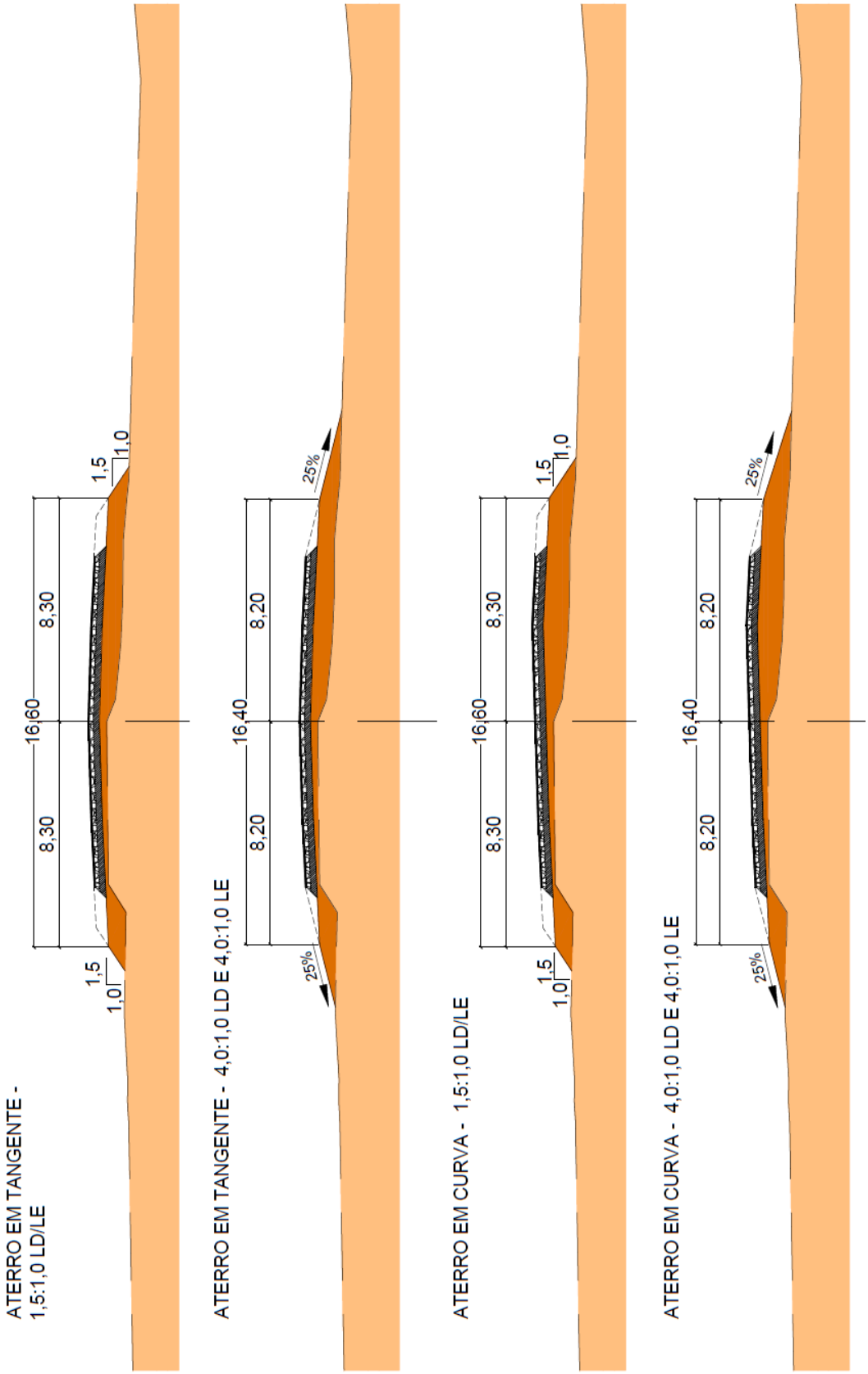
Faixa de dominio				
Eixos	Estaca Inicial	Estaca Final	Extensão (m)	Área (m²)
Eixo Principal	0+0,000	1326+8,367	26.528,37	742.902,44
Interseção - Est.35+0,000	8+18,404	62+14,486	1.076,08	42.026,82
Interseção - Est.515+0,000	502+12,130	529+3,852	531,72	44.834,13
Interseção - Est.719+0,000	706+7,169	731+12,323	505,15	42.393,78
Interseção - Est.965+0,000	948+11,346	985+14,054	742,71	29.970,80
Interseção - Est.1300+0,000	1290+11,799	1313+3,427	451,63	23.927,52
Interseção - Est.1325+0,000	1321+18,437	1326+8,367	89,93	18.446,16
BR-262/MS	0+0,000	57+6,319	1.146,32	15.911,59
BR-158/MS	0+0,000	53+8,160	1.068,16	12.981,19
			Total parcial:	**973.394,43**

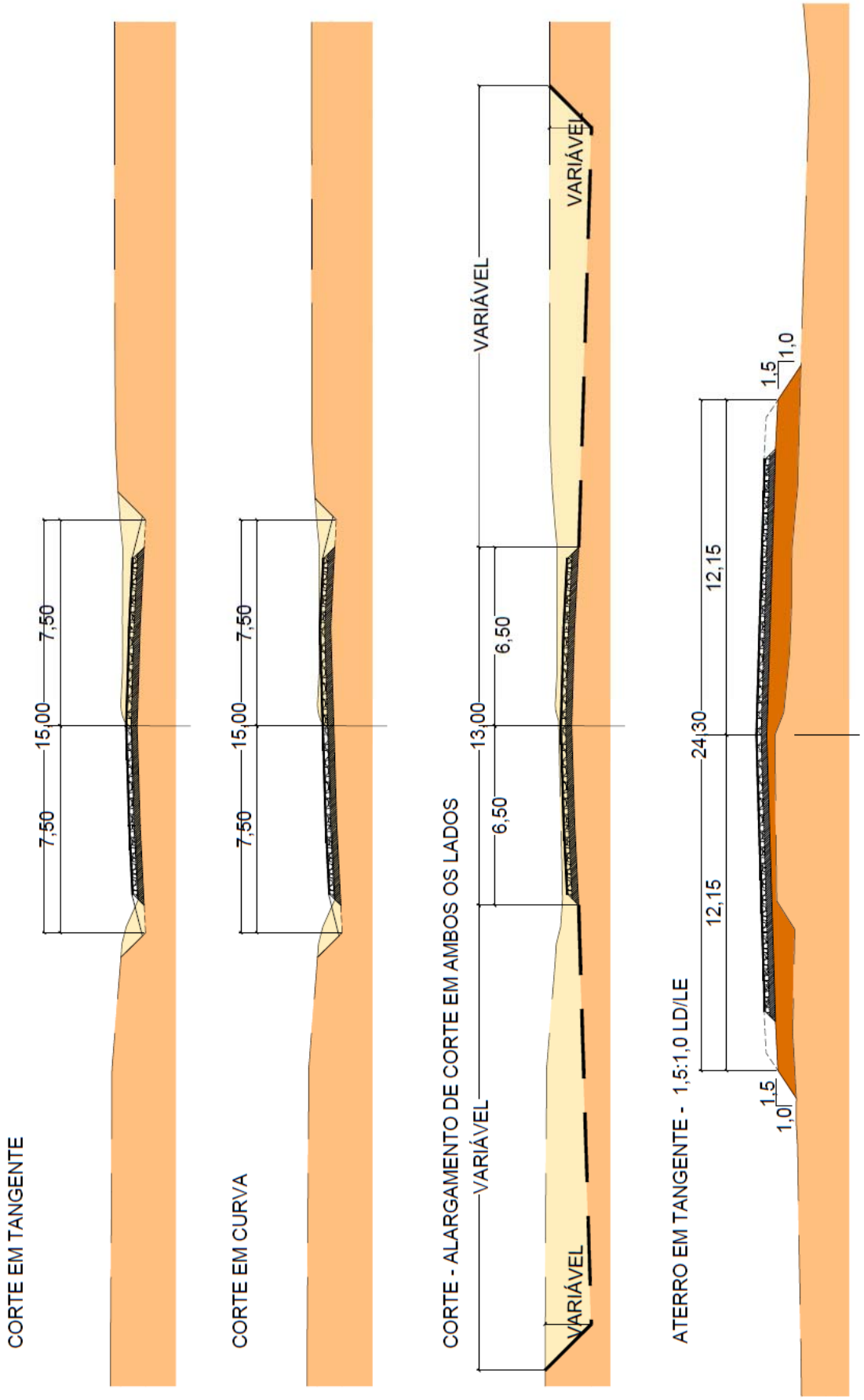
Empréstimos Concentrados	Área (m²)	Empréstimos Concentrados	Área (m²)
EC-1	10.352,42	EC-19	12.883,87
EC-6	14.400,00	EC-20	20.269,94
EC-7	13.200,77	EC-21	24.947,51
EC-11	15.280,34	EC-22	25.545,02
EC-10	43.198,54	EC-23	21.130,76
EC-12	34.912,49		
EC-16	140.005,54		
EC-17	113.504,46		
Total parcial (m²):	**384.854,56**	**Total parcial (m²):**	**104.777,10**

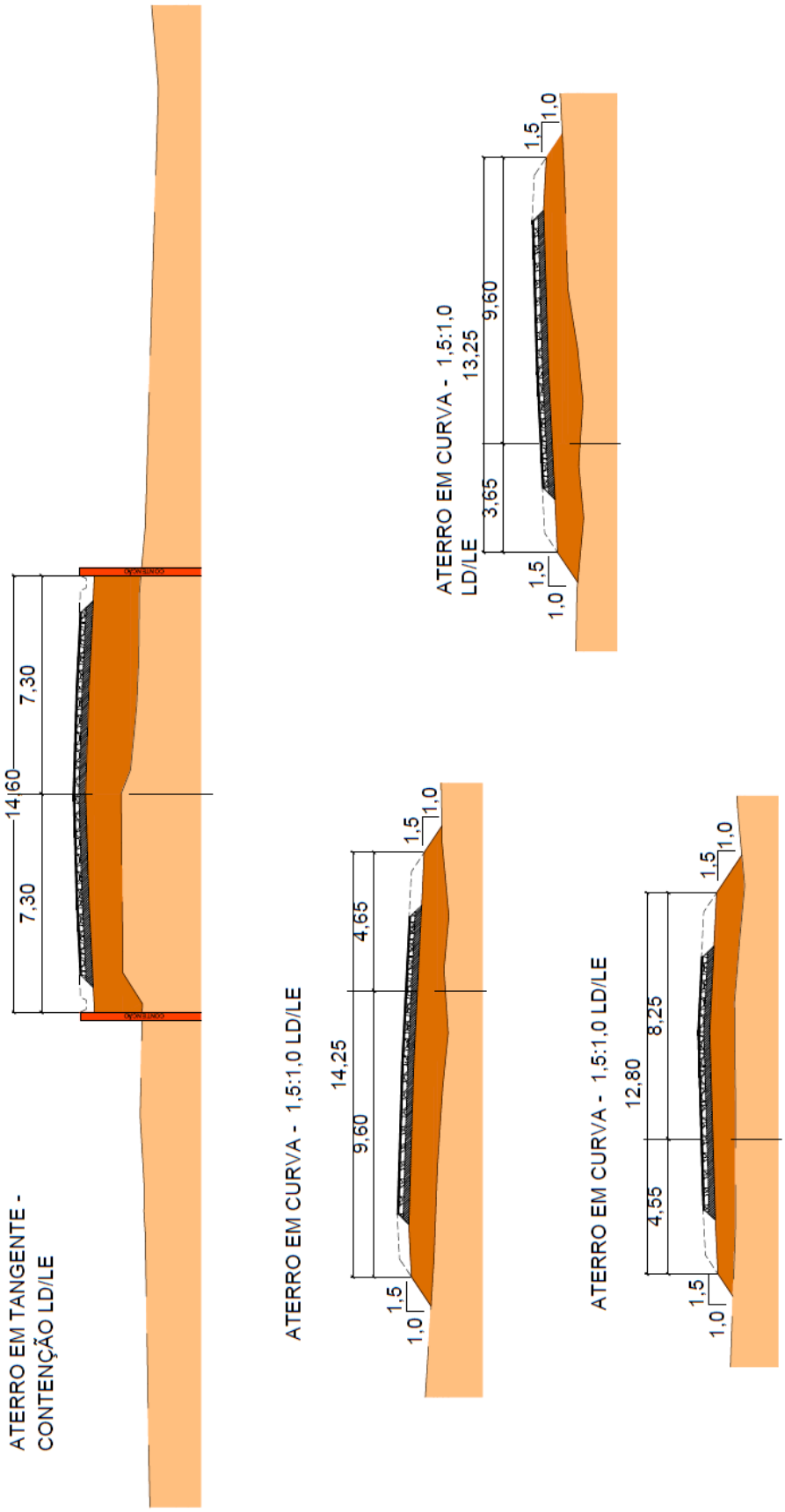
TOTAL DE SERVIÇOS (m²)	1.481.849,62

Notas:
- A limpeza referente aos alargamentos de cortes econtran-se computados no item faixa de domínio.
- As áreas dos Empréstimos foram obtidas através do levantamento topográfico convencional.

3.1.2.2 Seções típicas de Terraplenagem




CORTE EM TANGENTE
7,50
15,00
7,50
CORTE EM CURVA
7,50
15,00
7,50
CORTE - ALARGAMENTO DE CORTE EM AMBOS OS LADOS
VARIÁVEL
VARIÁVEL
13,00
6,50
6,50
VARIÁVEL
VARIÁVEL
ATERRO EM TANGENTE - 1,5:1,0 LD/LE
24,30
12,15
12,15
1,5
1,0
1,5
1,0


ATERRO EM TANGENTE - CONTENÇÃO LD/LE
14,60
7,30
7,30
ATERRO EM CURVA - 1,5:1,0 LD/LE
14,25
9,60
4,65
1,5
1,0
ATERRO EM CURVA - 1,5:1,0 LD/LE
12,80
4,55
8,25
1,5
1,0
ATERRO EM CURVA - 1,5:1,0 LD/LE
13,25
3,65
9,60
1,5
1,0

3.1.2.3 Depósito de Material Excedente (DME)

A região do empreendimento é compreendido com relevo plano/ondulado, sendo que a constituição da via será basicamente em aterro. Os cortes de projeto serão compensados dentro do trecho de forma lateral ou longitudinal não havendo destinação de solo com características nobres para depósito de material excedente (DME). Para a escavação do solo saturado entre as estacas 1023+0,000 a 1216+0,000 e região da O.A.E do córrego da onça, os mesmos deverão ser destinados a recomposição de parte do empréstimo concentrado 16, localizado entre as estacas 914+0,000 e 942+0,00.

3.1.2.4 Caixas de Empréstimo

Os empréstimos para compensação dos aterros serão provenientes de alargamentos de cortes dentro da faixa de domínio e empréstimos concentrados ao longo do trecho.

Abaixo as localizações das caixas de empréstimo:

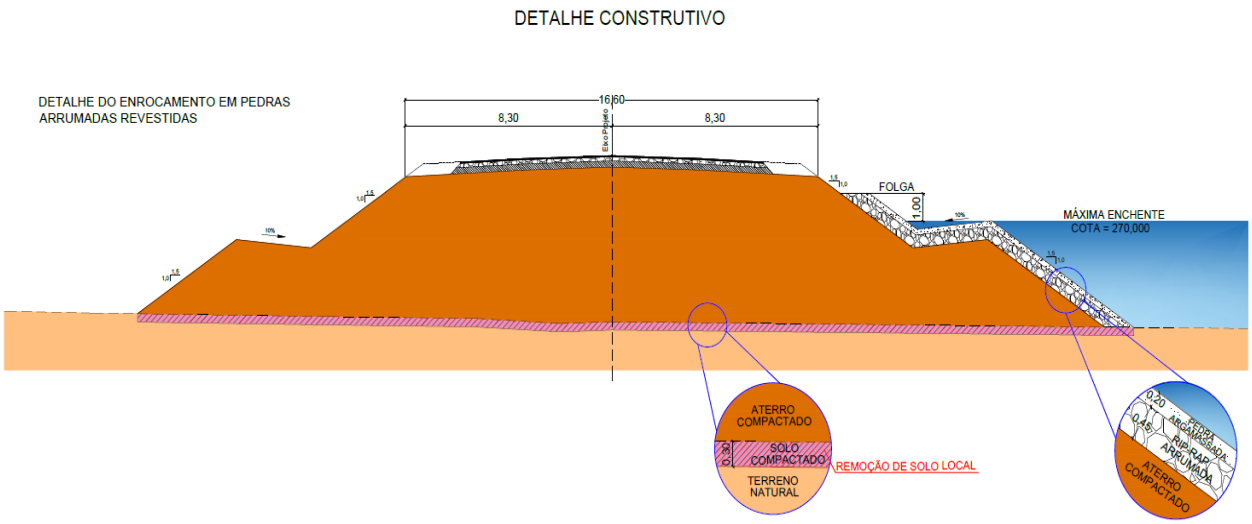
Empréstimos	Faixa de Dominio	Lado	Localização	Estaca Inicial	Estaca Final	Volume (m³)
Empréstimo Concentrado 1	Fora da Faixa de Dominio	LD	Disp. Est 35 - Ramo 100	127+0,000	137+0,000	31.057,26
Alargamento de Corte 02	Dentro da Faixa de Dominio	LE	Tronco	63+0,000	82+0,000	14.160,05
Alargamento de Corte 03	Dentro da Faixa de Dominio	LD	Tronco	63+0,000	82+0,000	13.723,55
Alargamento de Corte 04	Dentro da Faixa de Dominio	LE	Tronco	117+0,000	141+0,000	20.300,86
Alargamento de Corte 05	Dentro da Faixa de Dominio	LD	Tronco	117+0,000	141+0,000	20.408,92
Empréstimo Concentrado 6	Fora da Faixa de Dominio	LD	Tronco	150+0,000	162+0,000	36.000,00
Empréstimo Concentrado 7	Fora da Faixa de Dominio	LD	Tronco	185+0,000	196+0,000	26.401,54
Alargamento de Corte 08	Dentro da Faixa de Dominio	LE	Tronco	369+0,000	406+0,000	36.836,03
Alargamento de Corte 09	Dentro da Faixa de Dominio	LD	Tronco	369+0,000	406+0,000	36.361,58
Empréstimo Concentrado 10	Fora da Faixa de Dominio	LD	Tronco	396+0,000	413+0,000	86.397,08
Alargamento de Corte 14	Dentro da Faixa de Dominio	LE	Tronco	461+0,000	477+0,000	14.879,79
Alargamento de Corte 15	Dentro da Faixa de Dominio	LD	Tronco	461+0,000	477+0,000	15.448,38
Empréstimo Concentrado 12	Fora da Faixa de Dominio	LE	Disp. Est 515 - Ramo 800	805+0,000	825+0,000	349.124,85
Alargamento de Corte 18	Dentro da Faixa de Dominio	LE	Tronco	855+0,000	897+0,000	27.861,93
Alargamento de Corte 13	Dentro da Faixa de Dominio	LD	Tronco	858+0,000	897+0,000	78.884,89
Empréstimo Concentrado 16	Fora da Faixa de Dominio	LE	Tronco	914+0,000	942+0,000	420.016,62
Empréstimo Concentrado 17	Fora da Faixa de Dominio	LD	Tronco	914+0,000	942+0,000	340.513,38
Alargamento de Corte 24	Dentro da Faixa de Dominio	LE	Tronco	568+0,000	666+0,000	49.475,44
Alargamento de Corte 25	Dentro da Faixa de Dominio	LD	Tronco	568+0,000	666+0,000	135.167,23
Alargamento de Corte 26	Dentro da Faixa de Dominio	LE	Tronco	912+0,000	942+0,000	11.210,92
Alargamento de Corte 27	Dentro da Faixa de Dominio	LD	Tronco	912+0,000	942+0,000	32.363,48
TOTAL						1.796.593,76

3.1.2.5 Estabilidades de Taludes

Entre as estacas 1039+0,000 e 1224+0,00, visto as informações da Agência Nacional de Àguas, visando prevenir possíveis danos ao talude originados pelas ondas formadas no espelho de água, na enventualidade de uma cheia máxima, foi proposto traçado vertical com cota acima da máxima enchente, cota 270,00 o qual receberá revestimento com RipRap e pedra argamassada. Para a estabilização desse talude, foi proposto bermas de equilíbrio para obter-se um fator de segurança satisfatório do ponto de vista de ruptura.

Para o segmento, deverá ser proposto uma remoção de 0,30 m em toda a extensão do segmento, sendo que para o caso de presença de material saturado, o mesmo deverá ser preenchido com material inerte (areia). A areia terá a função de camada drenante após a compactação do aterro.

O detalhe construtivo é apresentado abaixo:



Na região das O.A.Es, através do estudo geológico/geotecnico foram avaliados os fatores de segurança de ruptura para o aterro dos encontros, tendo como solução a retirada de uma camada de 1,00 m do solo superficial e a recompactação do mesmo de forma mecanicamente. O comprimento “para dentro do aterro” dessa substituição irá variar caso a caso. A extensão dessa substituição para frente do pé do talude será sempre de 2 m.

Já na transversal a substituição também deve se estender 2 m além do pé do aterro. Além da substituição serão utilizadas camadas de geogrelha para ajudar na estabilidade. A primeira camada será implantada a 1,00 m da base da escavação e as seguintes espaçadas também de 1 m. Essa solução se estende para as O.A.Es localizadas nas estacas 220+0,000 / 515+0,000 / 720+0,000 / 778+0,000.

Para a O.A.E da estaca 900, córrego da onça a proposta e remoção de uma camada de 1,50 m de solo, sendo a mesma substituída por pedras rachão. Após o fechamento com rachão, deverá iniciar o corpo do aterro o qual deverá receber duas camandas de geogrelhas para ajudar na estabilidade.

O detalhe para cada intervenção, bem como suas quantidades são apresentadas em pranchas de detalhes construtivos do volume 2 – Projeto de Terraplenagem.

3.1.2.6 Aterros

Os materiais a serem utilizados na execução dos aterros serão provenientes dos cortes dentro do próprio trecho e empréstimos concentrados fora da faixa de domínio, devidamente caracterizados e selecionados com base nos estudos geotécnicos.

Para a execução dos aterros, deverá ser previsto a seleção qualitativa dos materais de modo a destinar as camadas finais os materiais de melhores qualidades técnico e econômica.

O material de corte com CBR abaixo do solicitado em projeto, deverá obrigatoriamente ser utilizado para corpo de aterro, não apresentando desempenho geotécnico para camadas finais de aterro.

3.1.2.7 Corpo de Aterro

Segmentos de rodovia cuja implantação requer depósito de materiais, provenientes de cortes, no interior dos limites das seções de projeto (off-sets) que definem o corpo estradal. A porção referente ao corpo de aterro situa-se entre o terreno natural até 0,60 m abaixo da cota correspondente ao greide de terraplenagem. Os solos devem possuir capacidade de suporte ISC maior ou igual a 2% e expansão menor ou igual a 4%. A compactação deverá ser de 100% PN.

Portanto, as quantidades indicadas de compactação a 100% PN referem-se aos volumes de material necessário para compor os corpos de aterro e reaterros, divididos pelo fator de homogeneização calculado para a compactação a 100% PN.

3.1.2.8 Camada Final de Aterro

Parte do aterro constituído de material selecionado dentre os melhores disponíveis, situado entre o greide de terraplenagem e o corpo do aterro, na espessura de 60 cm. Não é permitido o uso de solos com expansão maior ou igual a 2% e os solos devem possuir capacidade de suporte ISC maior ou igual a 10%. A compactação deverá ser de 100% PI.

Portanto, as quantidades indicadas de compactação a 100% PI referem-se aos volumes de material necessário para compor as camadas finais de aterro e as camadas finais de terraplenagem, divididos pelo fator de homogeneização calculado para a compactação a 100% PI.

Resumo dos Aterros – Compactação 100% PN e Compactação 100% PI

Os volumes de aterro foram obtidos a partir das áreas das seções transversais, pela aplicação da média das áreas, descontado as camadas de pavimento e a espessura da limpeza. Sendo assim, o projeto encontrou os seguintes volumes para o aterro:

	Volume de Aterro (m³)	
	Geométrico	Empolado
BR-158/262-MS	929.057,390	1.189.193,459
Interseção Est.35+0,000	45.273,369	57.949,912
Interseção Est.515+0,000	167.729,524	214.693,791
Interseção Est.719+0,000	139.949,640	179.135,539
Interseção Est.965+0,000	14.610,187	18.701,039
Interseção Est.1300+0,000	46.954,966	60.102,356
Interseção Est.1325+0,000	13.103,976	16.773,089
Total	**1.356.679,052**	**1.736.549,186**

Para a separação das quantidades das compactações de corpo de aterro e da camada final, o projeto considerou espessuras médias entre o terreno natural e a base do pavimento. Através das médias das alturas e larguras da seções foi determinado uma área média a qual foi multiplicado pela extensão do maçico do aterro.

Diante do exposto, temos as seguintes quantidades para os aterros:

ATERRO	ESTACA		EXTENSÃO (m)	LARGURA MÉDIA DA SEÇÃO (m)	ESPESSURA MÉDIA (m)	Fh PARA EMPRÉSTIMO	VOLUME NECESSÁRIO PARA CORPO DE ATERRO (m³) com Fh	COMPACTAÇÃO 100% PN	VOLUME NECESSÁRIO PARA CAMADA FINAL (m³) com Fh	COMPACTAÇÃO 100% PI
	INICIAL	FINAL								
Aterro 158/262-MS	6 + 0	1321 + 18	26.318,44	15,737	0,47	1,280	937.906,271	732.739,274	251.287,190	196.318,117
TOTAL							**937.906,271**	**732.739,274**	**251.287,190**	**196.318,117**

ATERRO	Volume Total de Aterro	PORCENTAGEM DE CAMADA FINAL	PORCENTAGEM DE CORPO DE ATERRO	VOLUME NECESSÁRIO PARA CORPO DE ATERRO (m³) com Fh	COMPACTAÇÃO 100% PN	VOLUME NECESSÁRIO PARA CAMADA FINAL (m³) com Fh	COMPACTAÇÃO 100% PI
Interseção Est.35+0,000	57.949,912	21,131	78,869	45.704,579	35.706,702	12.245,334	9.566,667
Interseção Est.515+0,000	214.693,791	21,131	78,869	169.327,077	132.286,779	45.366,714	35.442,745
Interseção Est.719+0,000	179.135,539	21,131	78,869	141.282,601	110.377,032	37.852,938	29.572,608
Interseção Est.965+0,000	18.701,039	21,131	78,869	14.749,343	11.522,924	3.951,696	3.087,263
Interseção Est.1300+0,000	60.102,356	21,131	78,869	47.402,192	37.032,963	12.700,164	9.922,003
Interseção Est.1325+0,000	16.773,089	21,131	78,869	13.228,786	10.334,989	3.544,303	2.768,987
TOTAL				**431.694,578**	**337.261,389**	**115.661,149**	**90.360,273**

3.1.2.9 Cortes

Compreendem os solos em geral, ou seja, todos os materiais que podem ser escavados por tratores escavo-transportadores de pneus ou por escavadeiras hidráulicas. Esses materiais estão dispostos na área de abrangência da plataforma da rodovia e também nas laterais adjacentes em forma de alargamento de corte, aterro de suporte da estrutura de pavimento ou remoção de terraplenagem até alcançar a cota final de terraplenagem.

3.1.2.10 Densidade In-Situ

No cálculo do volume dos materiais necessários para a confecção dos corpos de aterros, o fator de homogeneização empregado foi avaliado através da relação entre o volume do material no corte de origem e o volume que este mesmo material ocupará no aterro, após ser compactado. Este fator normalmente é avaliado pela relação inversa das correspondentes densidades aparentes secas, ou seja:

$$Fh = \frac{D_{comp}}{D_{corte}}$$

Onde:

- D_{corte}: densidade aparente seca do material ocorrente no corte de origem (densidade "in situ");
- D_{comp}: densidade aparente seca do material, extraído do corte, após compactação no aterro.

Desta forma, temos:

		Amostra 01	Amostra 02	Amostra 03	Amostra 04	Amostra 05	Amostra 06	Amostra 07	Amostra 08	Amostra 09	Amostra 10	Amostra 11	Amostra 12	Amostra 13	Amostra 14	Amostra 15	Amostra 16	Amostra 17	Amostra 18	Amostra 19	Amostra 20	Amostra 21	Amostra 22	Amostra 23	Amostra 24	Amostra 25	Amostra 26	Amostra 27	Amostra 28	Amostra 29	Amostra 30	Amostra 31	Amostra 32	Amostra 33	Amostra 34	Amostra 35	Amostra 36	Amostra 37	Amostra 38	Amostra 39	Amostra 40	Amostra 41	Amostra 42	Amostra 43	Amostra 44	Amostra 45	
EL-01	Dcorte	1,530	1,530	1,532	1,497	1,515																																									Média
	Dcomp	1,910	1,900	1,910	1,880	1,875																																									
	Fh	0,801	0,805	0,802	0,796	0,808																																									80,25%
EL-02	Dcorte	-	1,531	1,546	1,546	1,532																																									Média
	Dcomp	-	1,910	1,920	1,880	1,905																																									
	Fh		0,802	0,805	0,822	0,804																																									80,83%
EL-03	Dcorte	-	1,575	1,508	1,539	1,529																																									Média
	Dcomp	-	1,930	1,900	1,920	1,925																																									
	Fh		0,816	0,794	0,802	0,794																																									80,14%
EL-04	Dcorte	1,618	1,507	1,571	1,555	1,546	1,597																																								Média
	Dcomp	1,930	1,900	1,895	1,900	1,915	1,935																																								
	Fh	0,838	0,793	0,829	0,818	0,807	0,825																																								81,86%
EL-05	Dcorte	1,504	1,584	1,488	1,530	1,618	1,543																																								Média
	Dcomp	1,880	1,910	1,900	1,910	1,915	1,895																																								
	Fh	0,800	0,829	0,783	0,801	0,845	0,814																																								81,21%
EL-06	Dcorte	1,533	1,534	1,596	1,566	1,616	1,555																																								Média
	Dcomp	1,930	1,915	1,920	1,910	1,935	1,925																																								
	Fh	0,794	0,801	0,831	0,820	0,835	0,808																																								81,49%
EL-07	Dcorte	1,554	1,568	1,528	1,602	1,580																																									Média
	Dcomp	1,935	1,930	1,910	1,925	1,910																																									
	Fh	0,803	0,812	0,800	0,832	0,827																																									81,50%
EL-08	Dcorte	1,487	1,478	1,512	1,513	1,482	1,560	1,515	1,420	1,431																																					Média
	Dcomp	1,840	1,850	1,830	1,800	1,835	1,830	1,830	1,815	1,810																																					
	Fh	0,808	0,799	0,826	0,841	0,808	0,852	0,828	0,782	0,791																																					81,50%
EL-09	Dcorte	1,466	1,491	1,486	1,494	1,455	1,472	1,340	1,513	1,484																																					Média
	Dcomp	1,820	1,850	1,810	1,835	1,850	1,835	1,800	1,820	1,820																																					
	Fh	0,805	0,806	0,821	0,814	0,786	0,802	0,744	0,831	0,815																																					80,29%
EL-10	Dcorte	1,504	1,520	1,451	1,491	1,420	1,478	1,545	1,471	1,519	1,453	1,450	1,528	1,538	1,454	1,488	1,509	1,555	1,476																													Média
	Dcomp	1,840	1,825	1,820	1,835	1,820	1,815	1,845	1,840	1,810	1,825	1,835	1,870	1,850	1,840	1,850	1,835	1,870	1,850																													
	Fh	0,817	0,833	0,797	0,813	0,780	0,814	0,837	0,799	0,839	0,796	0,790	0,817	0,831	0,790	0,804	0,822	0,832	0,798																													81,18%
EL-12	Dcorte	1,519	1,550	1,720	1,509	1,558	1,533	1,526	1,585	1,530	1,481																																				Média
	Dcomp	1,915	1,890	1,910	1,895	1,900	1,890	1,885	1,905	1,900	1,875																																				
	Fh	0,793	0,820	0,901	0,796	0,820	0,811	0,810	0,832	0,805	0,790																																				81,78%
EL-13	Dcorte	1,572	1,499	1,522	1,490	1,486	1,495	1,537	1,582	1,512																																					Média
	Dcomp	1,860	1,810	1,780	1,800	1,850	1,800	1,880	1,880	1,805																																					
	Fh	0,845	0,828	0,855	0,828	0,803	0,831	0,818	0,841	0,838																																					83,19%
EL-14	Dcorte	1,563	1,515	1,482	1,528																																										Média
	Dcomp	1,920	1,875	1,820	1,845																																										
	Fh	0,814	0,808	0,814	0,828																																										81,61%
EL-15	Dcorte	1,584	1,475	1,517	1,536																																										Média
	Dcomp	1,885	1,850	1,865	1,850																																										
	Fh	0,840	0,797	0,813	0,830																																										82,03%
EL-16	Dcorte	1,526	1,608	1,546	1,566	1,552	1,585	1,608	1,613	1,504	1,588	1,534	1,554	1,495	1,558	1,634	1,525	1,588	1,536	1,554	1,554	1,511	1,557	1,513	1,537	1,588	1,610	1,579	1,566	1,469	1,556	1,558	1,601	1,682	1,544	1,587	1,556	1,549	1,545	1,569	1,605	1,592	1,458	1,559	1,608	1,562	Média
	Dcomp	1,910	1,935	1,900	1,895	1,925	1,920	1,900	1,950	1,920	1,920	1,900	1,940	1,875	1,930	1,915	1,920	1,890	1,900	1,885	1,890	1,840	1,910	1,895	1,900	1,910	1,930	1,920	1,925	1,890	1,865	1,850	1,890	1,880	1,885	1,870	1,920	1,910	1,945	1,910	1,910	1,870	1,920	1,915	1,905	1,900	
	Fh	0,799	0,831	0,814	0,826	0,806	0,826	0,846	0,827	0,783	0,827	0,807	0,801	0,797	0,807	0,853	0,794	0,840	0,808	0,824	0,822	0,821	0,815	0,798	0,809	0,831	0,834	0,822	0,814	0,777	0,834	0,842	0,847	0,895	0,819	0,849	0,810	0,811	0,794	0,821	0,840	0,851	0,759	0,814	0,844	0,822	82,04%
EL-17	Dcorte	1,613	1,523	1,552	1,571	1,509	1,596	1,588	1,612	1,574	1,531	1,566	1,543	1,525	1,563	1,605	1,623	1,589	1,663	1,513	1,583	1,598	1,485	1,471	1,486	1,671	1,594	1,568	1,498	1,541	1,550	1,591	1,587	1,541	1,576	1,580	1,596	1,578	1,631	1,584	1,527	1,468	1,640	1,595	1,517	1,460	Média
	Dcomp	1,950	1,930	1,930	1,920	1,965	1,900	1,910	1,925	1,935	1,940	1,900	1,900	1,925	1,950	1,955	1,970	1,930	1,965	1,915	1,920	1,920	1,920	1,850	1,960	1,950	1,950	1,900	1,910	1,890	1,900	1,900	1,910	1,945	1,955	1,950	1,955	1,940	1,960	1,915	1,900	1,930	1,950	1,930	1,890	1,900	
	Fh	0,827	0,789	0,804	0,818	0,768	0,840	0,831	0,837	0,813	0,789	0,824	0,812	0,792	0,802	0,821	0,824	0,823	0,846	0,790	0,824	0,832	0,773	0,795	0,758	0,857	0,817	0,825	0,784	0,815	0,816	0,837	0,831	0,792	0,806	0,810	0,816	0,813	0,832	0,827	0,804	0,761	0,841	0,826	0,803	0,768	81,16%
EL-18	Dcorte	1,468	1,495	1,445	1,451	1,519	1,521	1,527	1,541																																						Média
	Dcomp	1,845	1,810	1,805	1,810	1,840	1,820	1,835	1,820																																						
	Fh	0,796	0,826	0,801	0,802	0,826	0,836	0,832	0,847																																						82,05%
EL-24	Dcorte	1,572	1,590	1,550	1,525	1,611	1,586	1,507	1,598	1,515	1,596	1,526	1,528	1,555	1,610	1,598	1,590	1,545	1,611	1,530	1,601	1,579	1,545																								
	Dcomp	1,900	1,960	1,880	1,895	1,910	1,915	1,905	1,915	1,910	1,920	1,895	1,905	1,910	1,920	1,910	1,915	1,900	1,920	1,915	1,935	1,925	1,920																								
	Fh	0,827	0,811	0,824	0,805	0,843	0,828	0,791	0,834	0,793	0,831	0,805	0,802	0,814	0,839	0,837	0,830	0,813	0,839	0,799	0,827	0,820	0,805																								81,91%
EL-25	Dcorte	1,490	1,558	1,581	1,523	1,516	1,543	1,563	1,579	1,585	1,568	1,607	1,592	1,591	1,596	1,602	1,618	1,600	1,585	1,601	1,616	1,634																									
	Dcomp	1,875	1,885	1,895	1,900	1,890	1,905	1,895	1,910	1,915	1,915	1,905	1,920	1,925	1,915	1,925	1,910	1,930	1,915	1,920	1,910	1,925																									
	Fh	0,795	0,827	0,834	0,802	0,802	0,810	0,825	0,827	0,828	0,819	0,844	0,829	0,826	0,833	0,832	0,847	0,829	0,828	0,834	0,846	0,849																									82,69%
EL-26	Dcorte	1,541	1,586	1,619	1,587	1,541	1,608	1,617																																							
	Dcomp	1,940	1,930	1,935	1,592	1,910	1,925	1,920																																							
	Fh	0,794	0,822	0,837	0,997	0,807	0,835	0,842																																							84,78%
EL-27	Dcorte	1,580	1,602	1,548	1,523	1,585	1,617	1,594																																							
	Dcomp	1,935	1,945	1,925	1,910	1,920	1,915	1,910																																							
	Fh	0,817	0,824	0,804	0,797	0,826	0,844	0,835																																							82,09%

Média GC	81,69%

fh = 1,00 / (GC)	1,22408

O fator de homogeneização médio das caixas de empréstimo é 1,22408, o que foi arrendodado para 1,22. Contudo, a norma IPR740 – Manual de implantação básica recomenda fator de segurança de 5% para compensar as perdas durante o transporte dos materiais de terraplenageme e possíveis excessos na compactação.

Desde modo, o fator de homogeneização utilizado para o projeto será de 1,28

3.1.2.11 Cálculo e Distribuição de Volume

O Projeto foi desenvolvido com o auxílio do Sistema CIVIL 3D, desde os elementos de campo ao projeto geométrico. Com os dados de projeto – traçado horizontal, perfil longitudinal e seções transversais – concluiu-se o cálculo de volumes de corte e aterro.

Após o reconhecimento do solo, os materiais foram distribuídos de forma a otimizar as distâncias de transporte. Por se tratar de terraplenagem insuficiente, ou seja, predominância de volume de aterro, os volumes foram supridos por empréstimos concentrados ao longo do trecho.

3.1.3. Planilha de Quantidades

SICRO	TRASPORTE DMT (m)	ESCAVAÇÃO (m³)						TOTAL (m³)				ATERRO (m³)		TOTAL
	Intervalos	**1ª Cat.**	**2ª Cat.**	**3ª Cat.**	**Empréstimos**	**Substituição do material do subleito**	**Remoção do material rochoso do subleito**	**1ª Cat.**	**2ª Cat.**	**3ª Cat.**	**Bota - Fora (m³)**	**Corpo de Aterro**	**Camada Final**	
5501706	até 50m	31.702,784	-	-	-	-	-	31.702,784	-	-	-	19.534,143	5.233,657	24.767,800
5502135	50 a 200m	13.932,195	-	-	33.324,484	-	-	47.256,679	-	-	-	29.117,907	7.801,373	36.919,280
5502136	200 a 400m	65.379,954	-	-	53.715,965	-	-	119.095,919	-	-	-	73.382,725	19.660,961	93.043,687
5502137	400 a 600m	107.706,058	-	-	182.099,638	-	-	289.805,696	-	-	-	178.568,099	47.842,601	226.410,700
5502138	600 a 800m	-	-	-	449,897	-	-	449,897	-	-	-	277,211	74,271	351,482
5502139	800 a 1000m	60.743,659	-	-	27.305,774	-	-	88.049,433	-	-	-	54.252,970	14.535,649	68.788,620
5502140	1000 a 1200m	-	-	-	336,778	-	-	336,778	-	-	-	207,511	55,597	263,108
5502141	1200 a 1400m	94.712,699	-	-	6,638	-	-	94.719,337	-	-	-	58.362,731	15.636,751	73.999,482
5502142	1400 a 1600m	104.515,436	-	-	-	-	-	104.515,436	-	-	-	64.398,744	17.253,941	81.652,684
5502143	1600 a 1800m	-	-	-	-	-	-	-	-	-	-	-	-	-
5502144	1800 a 2000m	36.487,856	-	-	-	-	-	36.487,856	-	-	-	22.482,536	6.023,601	28.506,138
5502145	2000 a 2500m	44.511,358	-	-	18.766,906	-	-	63.278,264	-	-	-	38.989,845	10.446,298	49.436,144
5502622	2500 a 3000m	47.119,771	-	-	23.420,908	-	-	70.540,679	-	-	-	43.464,691	11.645,215	55.109,905
-	3000 a 3500m	74.007,672	-	-	20.915,533	-	-	94.923,205	-	-	-	58.488,347	15.670,406	74.158,754
-	3500 a 4000m	-	-	-	-	-	-	-	-	-	-	-	-	-
-	4000 a 4500m	-	-	-	112.959,442	-	-	112.959,442	-	-	-	69.601,644	18.647,920	88.249,564
-	4500 a 5000m	-	-	-	508.823,645	-	-	508.823,645	-	-	-	313.519,272	83.999,201	397.518,473
-	5000 a 5500m	-	-	-	-	-	-	-	-	-	-	-	-	-
-	5500 a 6000m	-	-	-	-	-	-	-	-	-	-	-	-	-
-	6000 a 6500m	-	-	-	-	-	-	-	-	-	-	-	-	-
-	6500 a 7000m	-	-	-	-	-	-	-	-	-	-	-	-	-
-	7000 a 7500m	-	-	-	7.990,194	-	-	7.990,194	-	-	-	4.923,277	1.319,062	6.242,339
-	7500 a 8000m	-	-	-	63.181,510	-	-	63.181,510	-	-	-	38.930,229	10.430,326	49.360,555
-	8000 a 8500m	-	-	-	2.432,431	-	-	2.432,431	-	-	-	1.498,779	401,558	1.900,337
Total		680.819,442	-	-	1.055.729,743	-	-	1.736.549,185	-	-	-	1.070.000,661	286.678,390	1.356.679,051
Percentuais		39,21	-	-	60,79	-	-	100,00	-	-	-	78,87	21,13	100,00

Parâmetros Geotécnicos para Seleção dos Materiais	**CBR (%)**	**Expansão (%)**	**Volume de Aterro Compactado**		1.356.679,051
Material não adequado para Terraplenagem (deverá, necessariamente, ser destinado ao bota-fora)	< 2	> 4	**Escavação Média por Quilômetro**		65.283,804
Material não adequado para o subleito - solo (deverá ser procedida sua substituição)	< 10	≥ 2	**Fator de Compactação**		1,28
Material satisfatório para utilização no miolo dos aterros	≥ 2	≤ 4	**SICRO**	**Grau Mínimo de Compactação**	
Material satisfatório como subleito (não há necessidade de ser substituído)	≥ 10	< 2	**5502978**	**Corpo dos Aterros - 100% PN**	1.369.600,846
Material indicado para emprego como acabamento de terraplenagem de cortes e aterros	≥ 2	≤ 4	**5503041**	**Camada Final - 100% PI**	366.948,339

SICRO	**LIMPEZA DO TERRENO**	
5501700	1.1 Desmatamento, destocamento e limpeza de áreas com arvores de diâmetro menor que 0,15m. (m²)	1.481.849,624
5501702	1.2 Destocamento de árvores de diâmetro superior a 0,30m	-

SICRO	Descrição	Volume m³
5501706	Escavação mecânica com retroescavadeira em material de 1ª categoria	31.702,784
5502135	Escavação, carga e transporte de material de 1ª categoria - DMT de 50 a 200 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	47.256,679
5502136	Escavação, carga e transporte de material de 1ª categoria - DMT de 200 a 400 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	119.095,919
5502137	Escavação, carga e transporte de material de 1ª categoria - DMT de 400 a 600 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	289.805,696
5502138	Escavação, carga e transporte de material de 1ª categoria - DMT de 600 a 800 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	449,897
5502138	Escavação, carga e transporte de material de 1ª categoria - DMT de 800 a 1000 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	88.049,433
5502140	Escavação, carga e transporte de material de 1ª categoria - DMT de 1.000 a 1.200 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	336,778
5502141	Escavação, carga e transporte de material de 1ª categoria - DMT de 1.200 a 1.400 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	94.719,337
5502142	Escavação, carga e transporte de material de 1ª categoria - DMT de 1.400 a 1.600 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	104.515,436
5502143	Escavação, carga e transporte de material de 1ª categoria - DMT de 1.600 a 1.800 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	-
5502144	Escavação, carga e transporte de material de 1ª categoria - DMT de 1.800 a 1.200 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	36.487,856
5502145	Escavação, carga e transporte de material de 1ª categoria - DMT de 2.000 a 2.500 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	63.278,264
-	Escavação, carga e transporte de material de 1ª categoria - DMT de 2.500 a 3.000 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	70.540,679
-	Escavação, carga e transporte de material de 1ª categoria - DMT de 3.000 a 3.500 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	94.923,205
-	Escavação, carga e transporte de material de 1ª categoria - DMT de 3.500 a 4.000 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	-
-	Escavação, carga e transporte de material de 1ª categoria - DMT de 4.000 a 4.500 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	112.959,442
-	Escavação, carga e transporte de material de 1ª categoria - DMT de 4.500 a 5.000 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	508.823,645
-	Escavação, carga e transporte de material de 1ª categoria - DMT de 5.000 a 5.500 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	-
-	Escavação, carga e transporte de material de 1ª categoria - DMT de 5.500 a 6.000 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	-
-	Escavação, carga e transporte de material de 1ª categoria - DMT de 6.000 a 6.500 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	-
-	Escavação, carga e transporte de material de 1ª categoria - DMT de 6.500 a 7.000 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	-
-	Escavação, carga e transporte de material de 1ª categoria - DMT de 7.000 a 7.500 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	7.990,194
-	Escavação, carga e transporte de material de 1ª categoria - DMT de 7.500 a 8.000 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	63.181,510
-	Escavação, carga e transporte de material de 1ª categoria - DMT de 8.000 a 8.500 m - caminho de serviço em revestimento primário - com escavadeira e caminhão basculante de 14 m³	2.432,431
5502978	Compactação de aterros a 100% do Proctor normal	1.369.600,846
5503041	Compactação de aterros a 100% do Proctor intermediário	366.948,339
5501700	Desmatamento, destocamento, limpeza de área e estocagem do material de limpeza com árvores de diâmetro até 0,15 m	1.481.849,624
5501702	Destocamento de árvores com diâmetro maior que 0,30 m	-

3.1.4. Apresentação do Projeto

O Projeto de Terraplenagem, em resumo, é constituído dos seguintes elementos:

a) Em planta

- Diagrama de Bruckner;
- Localização dos empréstimos Concentrados;
- Quadro de Distribuição de Terraplenagem;
- Detalhes Construtivos;
- Quadro Resumo de Quantidades.

4. Notas de Serviço

4.1. Notas de Serviço da Plataforma Acabada

4.1.1.BR-158/262-MS

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA – Talude			Fim da Segunda Berma			Inicio da Segunda Berma			Fim da Primeira Berma			Inicio da Primeira Berma / Encontro de Talude			Fundo canaleta / Barreira			Acostamento / Faixa de Segurança / Concordância de Pista				Faixa de Aceleração ou Desaceleração				Bordo da pista				COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA – Bordo da pista				Faixa de Aceleração ou Desaceleração				Acostamento / Faixa de Segurança / Concordância de Pista				Fundo canaleta / Barreira			Inicio da Primeira Berma / Encontro de Talude			Fim da Primeira Berma			Inicio da Segunda Berma			Fim da Segunda Berma			Talude			ALTURAS DOS TALUDES	
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Projeto	Cota vermelha	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
PISTA EXISTENTE - EST.0+0,000 A EST. 6+0,000																																																																			
6+0,000			33	-8,354	336,336	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	336,838	9	-6,100	336,913	-5,00%	8	-	-	-	7	-3,600	337,038	-3,00%	337,144	337,146	0,002	7	3,600	337,038	-3,00%	8	-	-	-	9	6,100	336,913	-5,00%	10	7,600	336,838	15	-	-	16	-	-	17	-	-	18	-	-	33	8,312	336,364	0,5	0,5
6+0,234			33	-8,362	336,335	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	336,843	9	-6,100	336,918	-5,00%	8	-	-	-	7	-3,600	337,043	-3,00%	337,148	337,151	0,003	7	3,600	337,043	-3,00%	8	-	-	-	9	6,100	336,918	-5,00%	10	7,600	336,843	15	-	-	16	-	-	17	-	-	18	-	-	33	8,309	336,370	0,5	0,5
7+0,000			33	-8,220	336,788	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	337,201	9	-6,100	337,276	-5,00%	8	-	-	-	7	-3,600	337,401	-3,00%	337,526	337,509	-0,016	7	3,600	337,401	-3,00%	8	-	-	-	9	6,100	337,276	-5,00%	10	7,600	337,201	15	-	-	16	-	-	17	-	-	18	-	-	33	8,213	336,793	0,4	0,4
8+0,000			33	-8,270	337,118	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	337,564	9	-6,100	337,639	-5,00%	8	-	-	-	7	-3,600	337,764	-3,00%	337,879	337,872	-0,007	7	3,600	337,764	-3,00%	8	-	-	-	9	6,100	337,639	-5,00%	10	7,600	337,564	15	-	-	16	-	-	17	-	-	18	-	-	33	8,190	337,171	0,4	0,4
8+18,403			33	-8,164	337,522	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	337,898	9	-6,100	337,973	-5,00%	8	-	-	-	7	-3,600	338,098	-3,00%	338,140	338,206	0,066	7	3,600	338,098	-3,00%	8	-	-	-	9	6,100	337,973	-5,00%	10	7,600	337,898	15	-	-	16	-	-	17	-	-	18	-	-	33	8,097	337,567	0,4	0,3
DISPOSITIVO EST.35+0,000 - EST.8+18,403 A EST. 62+14,486																																																																			
62+14,486			33	-29,080	363,246	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	361,855	9	-6,100	362,203	-5,00%	8	-	-	-	7	-3,600	362,328	-3,00%	362,647	362,436	-0,211	7	3,600	362,328	-3,00%	8	-	-	-	9	6,100	362,203	-5,00%	10	7,492	361,855	15	-	-	16	-	-	17	-	-	18	-	-	33	28,332	362,087	-2,0	-0,8
63+0,000			33	-29,148	363,320	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	361,860	9	-6,100	362,208	-5,00%	8	-	-	-	7	-3,600	362,333	-3,00%	362,706	362,441	-0,265	7	3,600	362,333	-3,00%	8	-	-	-	9	6,100	362,208	-5,00%	10	7,492	361,860	15	-	-	16	-	-	17	-	-	18	-	-	33	28,384	362,144	-2,0	-0,9
63+10,000			33	-29,148	363,320	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	361,863	9	-6,100	362,211	-5,00%	8	-	-	-	7	-3,600	362,336	-3,00%	362,770	362,444	-0,326	7	3,600	362,336	-3,00%	8	-	-	-	9	6,100	362,211	-5,00%	10	7,492	361,863	15	-	-	16	-	-	17	-	-	18	-	-	33	28,433	362,195	-2,0	-0,9
64+0,000			33	-29,292	363,458	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	361,855	9	-6,100	362,203	-5,00%	8	-	-	-	7	-3,600	362,328	-3,00%	362,812	362,436	-0,376	7	3,600	362,328	-3,00%	8	-	-	-	9	6,100	362,203	-5,00%	10	7,492	361,855	15	-	-	16	-	-	17	-	-	18	-	-	33	28,498	362,253	-2,2	-1,0
65+0,000			33	-29,449	363,569	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	361,808	9	-6,100	362,156	-5,00%	8	-	-	-	7	-3,600	362,281	-3,00%	362,940	362,389	-0,551	7	3,600	362,281	-3,00%	8	-	-	-	9	6,100	362,156	-5,00%	10	7,492	361,808	15	-	-	16	-	-	17	-	-	18	-	-	33	28,641	362,348	-2,3	-1,1
66+0,000			33	-29,582	363,614	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	361,720	9	-6,100	362,068	-5,00%	8	-	-	-	7	-3,600	362,193	-3,00%	363,038	362,301	-0,736	7	3,600	362,193	-3,00%	8	-	-	-	9	6,100	362,068	-5,00%	10	7,492	361,720	15	-	-	16	-	-	17	-	-	18	-	-	33	28,690	362,309	-2,5	-1,2
67+0,000			33	-29,758	363,661	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	361,591	9	-6,100	361,939	-5,00%	8	-	-	-	7	-3,600	362,064	-3,00%	363,088	362,172	-0,916	7	3,600	362,064	-3,00%	8	-	-	-	9	6,100	361,939	-5,00%	10	7,492	361,591	15	-	-	16	-	-	17	-	-	18	-	-	33	28,990	362,481	-2,7	-1,5
68+0,000			33	-29,864	363,597	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	361,421	9	-6,100	361,769	-5,00%	8	-	-	-	7	-3,600	361,894	-3,00%	363,065	362,002	-1,063	7	3,600	361,894	-3,00%	8	-	-	-	9	6,100	361,769	-5,00%	10	7,492	361,421	15	-	-	16	-	-	17	-	-	18	-	-	33	29,096	362,417	-2,8	-1,6
69+0,000			33	-30,130	363,652	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	361,210	9	-6,100	361,558	-5,00%	8	-	-	-	7	-3,600	361,683	-3,00%	362,983	361,791	-1,192	7	3,600	361,683	-3,00%	8	-	-	-	9	6,100	361,558	-5,00%	10	7,492	361,210	15	-	-	16	-	-	17	-	-	18	-	-	33	29,345	362,455	-3,0	-1,8
70+0,000			33	-30,212	363,482	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	360,958	9	-6,100	361,306	-5,00%	8	-	-	-	7	-3,600	361,431	-3,00%	362,782	361,539	-1,243	7	3,600	361,431	-3,00%	8	-	-	-	9	6,100	361,306	-5,00%	10	7,492	360,958	15	-	-	16	-	-	17	-	-	18	-	-	33	29,472	362,330	-3,1	-2,0
71+0,000			33	-30,327	363,304	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	360,665	9	-6,100	361,013	-5,00%	8	-	-	-	7	-3,600	361,138	-3,00%	362,813	361,246	-1,567	7	3,600	361,138	-3,00%	8	-	-	-	9	6,100	361,013	-5,00%	10	7,492	360,665	15	-	-	16	-	-	17	-	-	18	-	-	33	29,560	362,125	-3,2	-2,1
72+0,000			33	-30,250	362,893	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	360,331	9	-6,100	360,679	-5,00%	8	-	-	-	7	-3,600	360,804	-3,00%	362,495	360,912	-1,582	7	3,600	360,804	-3,00%	8	-	-	-	9	6,100	360,679	-5,00%	10	7,492	360,331	15	-	-	16	-	-	17	-	-	18	-	-	33	29,559	361,789	-3,2	-2,1
73+0,000			33	-30,186	362,454	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	359,956	9	-6,100	360,304	-5,00%	8	-	-	-	7	-3,600	360,429	-3,00%	362,098	360,537	-1,561	7	3,600	360,429	-3,00%	8	-	-	-	9	6,100	360,304	-5,00%	10	7,492	359,956	15	-	-	16	-	-	17	-	-	18	-	-	33	29,524	361,380	-3,1	-2,0
74+0,000			33	-30,234	362,085	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	359,539	9	-6,100	359,888	-5,00%	8	-	-	-	7	-3,600	360,013	-3,00%	361,534	360,121	-1,413	7	3,600	360,013	-3,00%	8	-	-	-	9	6,100	359,888	-5,00%	10	7,492	359,539	15	-	-	16	-	-	17	-	-	18	-	-	33	29,510	360,949	-3,1	-2,0
75+0,000			33	-29,978	361,372	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	359,082	9	-6,100	359,430	-5,00%	8	-	-	-	7	-3,600	359,555	-3,00%	361,028	359,663	-1,364	7	3,600	359,555	-3,00%	8	-	-	-	9	6,100	359,430	-5,00%	10	7,492	359,082	15	-	-	16	-	-	17	-	-	18	-	-	33	29,509	360,491	-2,9	-2,0
76+0,000			33	-29,861	360,757	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	358,584	9	-6,100	358,932	-5,00%	8	-	-	-	7	-3,600	359,057	-3,00%	360,216	359,165	-1,052	7	3,600	359,057	-3,00%	8	-	-	-	9	6,100	358,932	-5,00%	10	7,492	358,584	15	-	-	16	-	-	17	-	-	18	-	-	33	29,474	359,957	-2,8	-2,0
77+0,000		PTV	33	-29,654	360,010	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	358,044	9	-6,100	358,392	-5,00%	8	-	-	-	7	-3,600	358,517	-3,00%	359,700	358,625	-1,075	7	3,600	358,517	-3,00%	8	-	-	-	9	6,100	358,392	-5,00%	10	7,492	358,044	15	-	-	16	-	-	17	-	-	18	-	-	33	29,486	359,430	-2,6	-2,0
78+0,000			33	-29,512	359,308	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	357,484	9	-6,100	357,832	-5,00%	8	-	-	-	7	-3,600	357,957	-3,00%	359,090	358,065	-1,024	7	3,600	357,957	-3,00%	8	-	-	-	9	6,100	357,832	-5,00%	10	7,492	357,484	15	-	-	16	-	-	17	-	-	18	-	-	33	29,198	358,582	-2,4	-1,7
79+0,000			33	-29,213	358,449	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	356,924	9	-6,100	357,272	-5,00%	8	-	-	-	7	-3,600	357,397	-3,00%	358,199	357,505	-0,693	7	3,600	357,397	-3,00%	8	-	-	-	9	6,100	357,272	-5,00%	10	7,492	356,924	15	-	-	16	-	-	17	-	-	18	-	-	33	28,887	357,711	-2,1	-1,4
80+0,000			33	-29,015	357,691	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	356,364	9	-6,100	356,712	-5,00%	8	-	-	-	7	-3,600	356,837	-3,00%	357,394	356,945	-0,448	7	3,600	356,837	-3,00%	8	-	-	-	9	6,100	356,712	-5,00%	10	7,492	356,364	15	-	-	16	-	-	17	-	-	18	-	-	33	28,768	357,032	-1,9	-1,3
81+0,000			33	-28,642	356,758	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	355,804	9	-6,100	356,152	-5,00%	8	-	-	-	7	-3,600	356,277	-3,00%	356,497	356,385	-0,112	7	3,600	356,277	-3,00%	8	-	-	-	9	6,100	356,152	-5,00%	10	7,492	355,804	15	-	-	16	-	-	17	-	-	18	-	-	33	28,543	356,247	-1,5	-1,0
82+0,000			33	-28,282	355,838	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	355,244	9	-6,100	355,592	-5,00%	8	-	-	-	7	-3,600	355,717	-3,00%	355,583	355,825	0,243	7	3,600	355,717	-3,00%	8	-	-	-	9	6,100	355,592	-5,00%	10	7,492	355,244	15	-	-	16	-	-	17	-	-	18	-	-	33	28,180	355,324	-1,2	-0,7
83+0,000			33	-7,992	354,696	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	354,957	9	-6,100	355,032	-5,00%	8	-	-	-	7	-3,600	355,157	-3,00%	354,625	355,265	0,640	7	3,600	355,157	-3,00%	8	-	-	-	9	6,100	355,032	-5,00%	10	7,600	354,957	15	-	-	16	-	-	17	-	-	18	-	-	33	8,226	354,540	0,3	0,4
84+0,000			33	-8,265	353,954	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	354,397	9	-6,100	354,472	-5,00%	8	-	-	-	7	-3,600	354,597	-3,00%	353,845	354,705	0,860	7	3,600	354,597	-3,00%	8	-	-	-	9	6,100	354,472	-5,00%	10	7,600	354,397	15	-	-	16	-	-	17	-	-	18	-	-	33	8,622	353,716	0,4	0,7
85+0,000			33	-8,694	353,108	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	353,837	9	-6,100	353,912	-5,00%	8	-	-	-	7	-3,600	354,037	-3,00%	353,056	354,145	1,089	7	3,600	354,037	-3,00%	8	-	-	-	9	6,100	353,912	-5,00%	10	7,600	353,837	15	-	-	16	-	-	17	-	-	18	-	-	33	9,019	352,892	0,7	0,9
86+0,000			33	-9,204	352,208	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	353,277	9	-6,100	353,352	-5,00%	8	-	-	-	7	-3,600	353,477	-3,00%	351,901	353,585	1,685	7	3,600	353,477	-3,00%	8	-	-	-	9	6,100	353,352	-5,00%	10	7,600	353,277	15	-	-	16	-	-	17	-	-	18	-	-	33	9,759	351,838	1,1	1,4
87+0,000			33	-9,876	351,200	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	352,717	9	-6,100	352,792	-5,00%	8	-	-	-	7	-3,600	352,917	-3,00%	351,031	353,025	1,994	7	3,600	352,917	-3,00%	8	-	-	-	9	6,100	352,792	-5,00%	10	7,600	352,717	15	-	-	16	-	-	17	-	-	18	-	-	33	10,182	350,996	1,5	1,7
88+0,000			33	-10,569	350,178	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	352,157	9	-6,100	352,232	-5,00%	8	-	-	-	7	-3,600	352,357	-3,00%	350,220	352,465	2,246	7	3,600	352,357	-3,00%	8	-	-	-	9	6,100	352,232	-5,00%	10	7,600	352,157	15	-	-	16	-	-	17	-	-	18	-	-	33	10,678	350,105	2,0	2,1
88+15,000		PCV	33	-10,917	349,526	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	351,737	9	-6,100	351,812	-5,00%	8	-	-	-	7	-3,600	351,937	-3,00%	349,541	352,045	2,505	7	3,600	351,937	-3,00%	8	-	-	-	9	6,100	351,812	-5,00%	10	7,600	351,737	15	-	-	16	-	-	17	-	-	18	-	-	33	11,044	349,441	2,2	2,3
89+0,000			33	-11,014	349,323	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	351,599	9	-6,100	351,674	-5,00%	8	-	-	-	7	-3,600	351,799	-3,00%	349,307	351,907	2,600	7	3,600	351,799	-3,00%	8	-	-	-	9	6,100	351,674	-5,00%	10	7,600	351,599	15	-	-	16	-	-	17	-	-	18	-	-	33	11,162	349,224	2,3	2,4
90+0,000			33	-11,321	348,592	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	351,073	9	-6,100	351,148	-5,00%	8	-	-	-	7	-3,600	351,273	-3,00%	348,648	351,381	2,733	7	3,600	351,273	-3,00%	8	-	-	-	9	6,100	351,148	-5,00%	10	7,600	351,073	15	-	-	16	-	-	17	-	-	18	-	-	33	11,417	348,528	2,5	2,5
91+0,000			33	-12,008	347,654	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	350,592	9	-6,100	350,667	-5,00%	8	-	-	-	7	-3,600	350,792	-3,00%	347,569	350,900	3,331	7	3,600	350,792	-3,00%	8	-	-	-	9	6,100	350,667	-5,00%	10	7,600	350,592	15	-	-	16	-	-	17	-	-	18	-	-	33	12,293	347,463	2,9	3,1
92+0,000			33	-12,710	346,751	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	350,157	9	-6,100	350,232	-5,00%	8	-	-	-	7	-3,600	350,357	-3,00%	346,618	350,465	3,848	7	3,600	350,357	-3,00%	8	-	-	-	9	6,100	350,232	-5,00%	10	7,600	350,157	15	-	-	16	-	-	17	-	-	18	-	-	33	13,111	346,484	3,4	3,7
93+0,000			33	-13,365	345,925	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	349,768	9	-6,100	349,843	-5,00%	8	-	-	-	7	-3,600	349,968	-3,00%	345,814	350,076	4,262	7	3,600	349,968	-3,00%	8	-	-	-	9	6,100	349,843	-5,00%	10	7,600	349,768	15	-	-	16	-	-	17	-	-	18	-	-	33	13,768	345,656	3,8	4,1
93+15,000			33	-13,496	345,575	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	349,506	9	-6,100	349,581	-5,00%	8	-	-	-	7	-3,600	349,706	-3,00%	345,439	349,814	4,375	7	3,600	349,706	-3,00%	8	-	-	-	9	6,100	349,581	-5,00%	10	7,600	349,506	15	-	-	16	-	-	17	-	-	18	-	-	33	14,047	345,208	3,9	4,3
94+0,000			33	-13,497	345,493	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	349,424	9	-6,100	349,499	-5,00%	8	-	-	-	7	-3,600	349,624	-3,00%	345,338	349,732	4,394	7	3,600	349,624	-3,00%	8	-	-	-	9	6,100	349,499	-5,00%	10	7,600	349,424	15	-	-	16	-	-	17	-	-	18	-	-	33	14,119	345,078	3,9	4,3
95+0,000			33	-14,039	344,833	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	349,125	9	-6,100	349,200	-5,00%	8	-	-	-	7	-3,600	349,325	-3,00%	344,656	349,433	4,777	7	3,600	349,325	-3,00%	8	-	-	-	9	6,100	349,200	-5,00%	10	7,600	349,125	15	-	-	16	-	-	17	-	-	18	-	-	33	14,534	344,503	4,3	4,6
96+0,000			33	-14,069	344,559	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	348,872	9	-6,100	348,947	-5,00%	8	-	-	-	7	-3,600	349,072	-3,00%	344,335	349,180	4,846	7	3,600	349,072	-3,00%	8	-	-	-	9	6,100	348,947	-5,00%	10	7,600	348,872	15	-	-	16	-	-	17	-	-	18	-	-	33	14,587	344,214	4,3	4,7
97+0,000			33	-13,721	344,584	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	348,665	9	-6,100	348,740	-5,00%	8	-	-	-	7	-3,600	348,865	-3,00%	344,353	348,973	4,620	7	3,600	348,865	-3,00%	8	-	-	-	9	6,100	348,740	-5,00%	10	7,600	348,665	15	-	-	16	-	-	17	-	-	18	-	-	33	14,354	344,162	4,1	4,5
98+0,000			33	-13,420	344,623	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	348,502	9	-6,100	348,577	-5,00%	8	-	-	-	7	-3,600	348,702	-3,00%	344,369	348,810	4,441	7	3,600	348,702	-3,00%	8	-	-	-	9	6,100	348,577	-5,00%	10	7,600	348,502	15	-	-	16	-	-	17	-	-	18	-	-	33	14,015	344,226	3,9	4,3
98+15,000		PTV	33	-13,053	344,775	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	348,411	9	-6,100	348,486	-5,00%	8	-	-	-	7	-3,600	348,611	-3,00%	344,556	348,719	4,162	7	3,600	348,611	-3,00%	8	-	-	-	9	6,100	348,486	-5,00%	10	7,600	348,411	15	-	-	16	-	-	17	-	-	18	-	-	33	13,730	344,324	3,6	4,1
99+0,000			33	-12,908	344,845	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	348,384	9	-6,100	348,459	-5,00%	8	-	-	-	7	-3,600	348,584	-3,00%	344,639	348,692	4,053	7	3,600	348,584	-3,00%	8	-	-	-	9	6,100	348,459	-5,00%	10	7,600	348,384	15	-	-	16	-	-	17	-	-	18	-	-	33	13,602	344,383	3,5	4,0
100+0,000			33	-12,661	344,905	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	348,279	9	-6,100	348,354	-5,00%	8	-	-	-	7	-3,600	348,479	-3,00%	344,737	348,587	3,850	7	3,600	348,479	-3,00%	8	-	-	-	9	6,100	348,354	-5,00%	10	7,600	348,279	15	-	-	16	-	-	17	-	-	18	-	-	33	13,066	344,635	3,4	3,6
101+0,000			33	-11,985	345,250	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	348,174	9	-6,100	348,249	-5,00%	8	-	-	-	7	-3,600	348,374	-3,00%	345,042	348,482	3,439	7	3,600	348,374	-3,00%	8	-	-	-	9	6,100	348,249	-5,00%	10	7,600	348,174	15	-	-	16	-	-	17	-	-	18	-	-	33	12,458	344,935	2,9	3,2
102+0,000			33	-11,224	345,652	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	348,068	9	-6,100	348,143	-5,00%	8	-	-	-	7	-3,600	348,268	-3,00%	345,346	348,376	3,030	7	3,600	348,268	-3,00%	8	-	-	-	9	6,100	348,143	-5,00%	10	7,600	348,068	15	-	-	16	-	-	17	-	-	18	-	-	33	12,052	345,100	2,4	3,0
103+0,000			33	-10,859	345,790	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	347,963	9	-6,100	348,038	-5,00%	8	-	-	-	7	-3,600	348,163	-3,00%	345,454	348,271	2,817	7	3,600	348,163	-3,00%	8	-	-	-	9	6,100	348,038	-5,00%	10	7,600	347,963	15	-	-	16	-	-	17	-	-	18	-	-	33	12,077	344,978	2,2	3,0
104+0,000			33	-10,812	345,716	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	347,858	9	-6,100	347,933	-5,00%	8	-	-	-	7	-3,600	348,058	-3,00%	345,621	348,166	2,545	7	3,600	348,058	-3,00%	8	-	-	-	9	6,100	347,933	-5,00%	10	7,600	347,858	15	-	-	16	-	-	17	-	-	18	-	-	33	11,543	345,229	2,1	2,6
105+0,000			33	-10,761	345,645	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	347,752	9	-6,100	347,827	-5,00%	8	-	-	-	7	-3,600	347,952	-3,00%	345,417	348,060	2,643	7	3,600	347,952	-3,00%	8	-	-	-	9	6,100	347,827	-5,00%	10	7,600	347,752	15	-	-	16	-	-	17	-	-	18	-	-	33	11,512	345,144	2,1	2,6
106+0,000			33	-10,934	345,424	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	347,647	9	-6,100	347,722	-5,00%	8	-	-	-	7	-3,600	347,847	-3,00%	345,135	347,955	2,820	7	3,600	347,847	-3,00%	8	-	-	-	9	6,100	347,722	-5,00%	10	7,600	347,647	15	-	-	16	-	-	17	-	-	18	-	-	33	11,611	344,973	2,2	2,7
107+0,000			33	-11,158	345,170	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	347,542	9	-6,100	347,617	-5,00%	8	-	-	-	7	-3,600	347,742	-3,00%	344,958	347,850	2,892	7	3,600	347,742	-3,00%	8	-	-	-	9	6,100	347,617	-5,00%	10	7,600	347,542	15	-	-	16	-	-	17	-	-	18	-	-	33	11,743	344,779	2,4	2,8
107+10,000		PCV	33	-11,177	345,104	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	347,489	9	-6,100	347,564	-5,00%	8	-	-	-	7	-3,600	347,689	-3,00%	344,905	347,797	2,892	7	3,600	347,689	-3,00%	8	-	-	-	9	6,100	347,564	-5,00%	10	7,600	347,489	15	-	-	16	-	-	17	-	-	18	-	-	33	11,839	344,663	2,4	2,8
108+0,000			33	-11,147	345,080	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	347,445	9	-6,100	347,520	-5,00%	8	-	-	-	7	-3,600	347,645	-3,00%	344,871	347,753	2,882	7	3,600	347,645	-3,00%	8	-	-	-	9	6,100	347,520	-5,00%	10	7,600	347,445	15	-	-	16	-	-	17	-	-	18	-	-	33	11,941	344,551	2,4	2,9
109+0,000			33	-10,987	345,152	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	347,409	9	-6,100	347,484	-5,00%	8	-	-	-	7	-3,600	347,609	-3,00%	344,984	347,717	2,733	7	3,600	347,609	-3,00%	8	-	-	-	9	6,100	347,484	-5,00%	10	7,600	347,409	15	-	-	16	-	-	17	-	-	18	-	-	33	11,567	344,765	2,3	2,6
109+0,234			33	-10,985	345,153	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	347,409	9	-6,100	347,484	-5,00%	8	-	-	-	7	-3,600	347,609	-3,00%	344,986	347,717	2,732	7	3,600	347,609	-3,00%	8	-	-	-	9	6,100	347,484	-5,00%	10	7,600	347,409	15	-	-	16	-	-	17	-	-	18	-	-	33	11,561	344,768	2,3	2,6
110+0,000			33	-10,707	345,372	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	347,443	9	-6,100	347,518	-5,00%	8	-	-	-	7	-3,600	347,643	-3,00%	345,242	347,751	2,509	7	3,600	347,643	-3,00%	8	-	-	-	9	6,100	347,518	-5,00%	10	7,600	347,443	15	-	-	16	-	-	17	-	-	18	-	-	33	11,088	345,118	2,1	2,3
111+0,000			33	-10,186	345,823	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	347,547	9	-6,100	347,622	-5,00%	8	-	-	-	7	-3,600	347,747	-3,00%	345,569	347,855	2,286	7	3,600	347,747	-3,00%	8	-	-	-	9	6,100	347,622	-5,00%	10	7,600	347,547	15	-	-	16	-	-	17	-	-	18	-	-	33	10,781	345,427	1,7	2,1
112+0,000			33	-9,860	346,214	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	347,720	9	-6,100	347,795	-5,00%	8	-	-	-	7	-3,600	347,920	-3,00%	346,121	348,028	1,907	7	3,600	347,920	-3,00%	8	-	-	-	9	6,100	347,795	-5,00%	10	7,600	347,720	15	-	-	16	-	-	17	-	-	18	-	-	33	10,331	345,900	1,5	1,8
112+10,000			33	-9,571	346,519	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	347,833	9	-6,100	347,908	-5,00%	8	-	-	-	7	-3,600	348,033	-3,00%	346,397	348,141	1,744	7	3,600	348,033	-3,00%	8	-	-	-	9	6,100	347,908	-5,00%	10	7,600	347,833	15	-	-	16	-	-	17	-	-	18	-	-	33	10,007	346,229	1,3	1,6
113+0,000			33	-9,278	346,845	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	347,833	9	-6,100	348,038	-5,00%	8	-	-	-	7	-3,600	348,163	-3,00%	346,656	348,271	1,616	7	3,600	348,163	-3,00%	8	-	-	-	9	6,100	348,038	-5,00%	10	7,600	347,963	15	-	-	16	-	-	17	-	-	18	-	-	33	9,561	346,656	1,0	1,3
114+0,000			33	-8,612	347,602	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	348,276	9	-6,100	348,351	-5,00%	8	-	-	-	7	-3,600	348,476	-3,00%	347,633	348,584	0,952	7	3,600	348,476	-3,00%	8	-	-	-	9	6,100	348,351	-5,00%	10	7,600	348,276	15	-	-	16	-	-	17	-	-	18	-	-	33	8,851	347,443	0,7	0,8
115+0,000			33	-7,984	348,402	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	348,659	9	-6,100	348,734	-5,00%	8	-	-	-	7	-3,600	348,859	-3,00%	348,521	348,967	0,446	7	3,600	348,859	-3,00%	8	-	-	-	9	6,100	348,734	-5,00%	10	7,600	348,659	15	-	-	16	-	-	17	-	-	18	-	-	33	8,142	348,297	0,3	0,4
116+0,000			33	-8,023	349,233	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	348,811	9	-6,100	349,186	-5,00%	8	-	-	-	7	-3,600	349,311	-3,00%	349,141	349,419	0,278	7	3,600	349,311	-3,00%	8	-	-	-	9	6,100	349,186	-5,00%	10	7,600	349,111	15	-	-	16	-	-	17	-	-	18	-	-	33	7,922	349,133	-0,4	0,0
117+0,000			33	-26,643	350,374	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	349,360	9	-6,100	349,708	-5,00%	8	-	-	-	7	-3,600	349,833	-3,00%	350,124	349,941	-0,183	7	3,600	349,833	-3,00%	8	-	-	-	9	6,100	349,708	-5,00%	10	7,492	349,360	15	-	-	16	-	-	17	-	-	18	-	-	33	26,697	349,399	-1,5	-0,6
117+10,000		PTV	33	-26,792	350,810	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	349,647	9	-6,100	349,995	-5,00%	8	-	-	-	7	-3,600	350,120	-3,00%	350,513	350,228	-0,285	7	3,600	350,120	-3,00%	8	-	-	-	9	6,100	349,995	-5,00%	10	7,492	349,647	15	-	-	16	-	-	17	-	-	18	-	-	33	26,914	349,903	-1,7	-0,8
118+0,000			33	-26,952	351,266	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	349,942	9	-6,100	350,290	-5,00%	8	-	-	-	7	-3,600	350,415	-3,00%	350,799	350,523	-0,276	7	3,600	350,415	-3,00%	8	-	-	-	9	6,100	350,290	-5,00%	10	7,492	349,942	15	-	-	16	-	-	17	-	-	18	-	-	33	27,122	350,407	-1,9	-1,0
119+0,000			33	-27,283	352,189	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	350,534	9	-6,100	350,882	-5,00%	8	-	-	-	7	-3,600	351,007	-3,00%	351,488	351,115	-0,373	7	3,600	351,007	-3,00%	8	-	-	-	9	6,100	350,882	-5,00%	10	7,492	350,534	15	-	-	16	-	-	17	-	-	18	-	-	33	27,397	351,272	-2,2	-1,3
120+0,000			33	-27,491	352,988	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	351,125	9	-6,100	351,473	-5,00%	8	-	-	-	7	-3,600	351,598	-3,00%	352,377	351,706	-0,671	7	3,600	351,598	-3,00%	8	-	-	-	9	6,100	351,473	-5,00%	10	7,492	351,125	15	-	-	16	-	-	17	-	-	18	-	-	33	27,755	352,222	-2,4	-1,7
121+0,000			33	-27,688	353,776	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	351,717	9	-6,100	352,065	-5,00%	8	-	-	-	7	-3,600	352,190	-3,00%	353,530	352,298	-1,232	7	3,600	352,190	-3,00%	8	-	-	-	9	6,100	352,065	-5,00%	10	7,492	351,717	15	-	-	16	-	-	17	-	-	18	-	-	33	27,930	352,988	-2,6	-1,8
122+0,000			33	-28,076	354,756	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	352,308	9	-6,100	352,656	-5,00%	8	-	-	-	7	-3,600	352,781	-3,00%	354,413	352,889	-1,524	7	3,600	352,781	-3,00%	8	-	-	-	9	6,100	352,656	-5,00%	10	7,492	352,308	15	-	-	16	-	-	17	-	-	18	-	-	33	28,425	354,075	-3,0	-2,3
123+0,000			33	-28,476	355,747	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	352,900	9	-6,100	353,248	-5,00%	8	-	-	-	7	-3,600	353,373	-3,00%	355,299	353,481	-1,818	7	3,600	353,373	-3,00%	8	-	-	-	9	6,100	353,248	-5,00%	10	7,492	352,900	15	-	-	16	-	-	17	-	-	18	-	-	33	28,734	354,976	-3,4	-2,6
124+0,000			33	-28,991	356,854	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	353,491	9	-6,100	353,839	-5,00%	8	-	-	-	7	-3,600	353,964	-3,00%	356,206	354,072	-2,133	7	3,600	353,964	-3,00%	8	-	-	-	9	6,100	353,839	-5,00%	10	7,492	353,491	15	-	-	16	-	-	17	-	-	18	-	-	33	29,043	355,876	-3,9	-2,9
125+0,000			33	-29,391	357,845	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	354,083	9	-6,100	354,431	-5,00%	8	-	-	-	7	-3,600	354,556	-3,00%	357,207	354,664	-2,543	7	3,600	354,556	-3,00%	8	-	-	-	9	6,100	354,431	-5,00%	10	7,492	354,083	15	-	-	16	-	-	17	-	-	18	-	-	33	29,342	356,767	-4,3	-3,2
126+0,000			33	-29,348	358,394	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	354,674	9	-6,100	355,022	-5,00%	8	-	-	-	7	-3,600	355,147	-3,00%	357,916	355,255	-2,661	7	3,600	355,147	-3,00%	8	-	-	-	9	6,100	355,022	-5,00%	10	7,492	354,674	15	-	-	16	-	-	17	-	-	18	-	-	33	29,378	357,394	-4,2	-3,3
127+0,000		PCV	33	-29,629	359,267	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	355,266	9	-6,100	355,614	-5,00%	8	-	-	-	7	-3,600	355,739	-3,00%	358,741	355,847	-2,894	7	3,600	355,739	-3,00%	8	-	-	-	9	6,100	355,614	-5,00%	10	7,492	355,266	15	-	-	16	-	-	17	-	-	18	-	-	33	29,568	358,175	-4,5	-3,5
128+0,000			33	-29,805	360,016	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	355,840	9	-6,100	356,188	-5,00%	8	-	-	-	7	-3,600	356,313	-3,00%	359,427	356,421	-3,006	7	3,600	356,313	-3,00%	8	-	-	-	9	6,100	356,188	-5,00%	10	7,492	355,840	15	-	-	16	-	-	17	-	-	18	-	-	33	29,874	359,055	-4,7	-3,8
129+0,000			33	-29,890	360,640	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	356,379	9	-6,100	356,727	-5,00%	8	-	-	-	7	-3,600	356,852	-3,00%	360,035	356,960	-3,076	7	3,600	356,852	-3,00%	8	-	-	-	9	6,100	356,727	-5,00%	10	7,492	356,379	15	-	-	16	-	-	17	-	-	18	-	-	33	29,844	359,564	-4,8	-3,7
130+0,000			33	-29,824	361,078	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	356,882	9	-6,100	357,230	-5,00%	8	-	-	-	7	-3,600	357,355	-3,00%	360,561	357,463	-3,098	7	3,600	357,355	-3,00%	8	-	-	-	9	6,100	357,230	-5,00%	10	7,492	356,882	15	-	-	16	-	-	17	-	-	18	-	-	33	29,675	359,899	-4,7	-3,6
131+0,000			33	-29,731	361,454	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	357,351	9	-6,100	357,699	-5,00%	8	-	-	-	7	-3,600	357,824	-3,00%	360,872	357,932	-2,940	7	3,600	357,824	-3,00%	8	-	-	-	9	6,100	357,699	-5,00%	10	7,492	357,351	15	-	-	16	-	-	17	-	-	18	-	-	33	29,482	360,175	-4,6	-3,4
132+0,000			33	-29,546	361,702	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	357,785	9	-6,100	358,133	-5,00%	8	-	-	-	7	-3,600	358,258	-3,00%	361,118	358,366	-2,752	7	3,600	358,258	-3,00%	8	-	-	-	9	6,100	358,133	-5,00%	10	7,492	357,785	15	-	-	16	-	-	17	-	-	18	-	-	33	29,348	360,474	-4,4	-3,2
133+0,000			33	-29,402	361,957	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	358,183	9	-6,100	358,531	-5,00%	8	-	-	-	7	-3,600	358,656	-3,00%	361,115	358,764	-2,351	7	3,600	358,656	-3,00%	8	-	-	-	9	6,100	358,531	-5,00%	10	7,492	358,183	15	-	-	16	-	-	17	-	-	18	-	-	33	28,875	360,400	-4,3	-2,8
134+0,000			33	-29,077	361,995	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	358,546	9	-6,100	358,894	-5,00%	8	-	-	-	7	-3,600	359,019	-3,00%	361,223	359,127	-2,096	7	3,600	359,019	-3,00%	8	-	-	-	9	6,100	358,894	-5,00%	10	7,492	358,546	15	-	-	16	-	-	17	-	-	18	-	-	33	28,598	360,486	-4,0	-2,5
134+10,000			33	-28,894	361,981	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	358,715	9	-6,100	359,063	-5,00%	8	-	-	-	7	-3,600	359,188	-3,00%	361,247	359,296	-1,951	7	3,600	359,188	-3,00%	8	-	-	-	9	6,100	359,063	-5,00%	10	7,492	358,715	15	-	-	16	-	-	17	-	-	18	-	-	33	28,472	360,529	-3,8	-2,4
135+0,000			33	-28,848	362,094	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	358,875	9	-6,100	359,223	-5,00%	8	-	-	-	7	-3,600	359,348	-3,00%	361,235	359,456	-1,779	7	3,600	359,348	-3,00%	8	-	-	-	9	6,100	359,223	-5,00%	10	7,492	358,875	15	-	-	16	-	-	17	-	-	18	-	-	33	28,331	360,547	-3,7	-2,2
136+0,000			33	-28,486	362,025	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	359,168	9	-6,100	359,516	-5,00%	8	-	-	-	7	-3,600	359,641	-3,00%	361,121	359,749	-1,372	7	3,600	359,641	-3,00%	8	-	-	-	9	6,100	359,516	-5,00%	10	7,492	359,168	15	-	-	16	-	-	17	-	-	18	-	-	33	27,968	360,478	-3,4	-1,9
137+0,000			33	-28,208	362,006	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	359,426	9	-6,100	359,774	-5,00%	8	-	-	-	7	-3,600	359,899	-3,00%	361,270	360,007	-1,262	7	3,600	359,899	-3,00%	8	-	-	-	9	6,100	359,774	-5,00%	10	7,492	359,426	15	-	-	16	-	-	17	-	-	18	-	-	33	27,633	360,401	-3,1	-1,5
138+0,000			33	-27,875	361,896	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	359,649	9	-6,100	359,997	-5,00%	8	-	-	-	7	-3,600	360,122	-3,00%	361,082	360,230	-0,852	7	3,600	360,122	-3,00%	8	-	-	-	9	6,100	359,997	-5,00%	10	7,492	359,649	15	-	-	16	-	-	17	-	-	18	-	-	33	27,314	360,305	-2,8	-1,2
139+0,000			33	-27,589	361,798	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	359,837	9	-6,100	360,185	-5,00%	8	-	-	-	7	-3,600	360,310	-3,00%	361,002	360,418	-0,583	7	3,600	360,310	-3,00%	8	-	-	-	9	6,100	360,185	-5,00%	10	7,492	359,837	15	-	-	16	-	-	17	-	-	18	-	-	33	27,150	360,329	-2,5	-1,0
140+0,000			33	-27,267	361,629	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	359,990	9	-6,100	360,338	-5,00%	8	-	-	-	7	-3,600	360,463	-3,00%	360,918	360,571	-0,347	7	3,600	360,463	-3,00%	8	-	-	-	9	6,100	360,338	-5,00%	10	7,492	359,990	15	-	-	16	-	-	17	-	-	18	-	-	33	26,791	360,123	-2,2	-0,7
141+0,000			33	-27,009	361,488	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	360,108	9	-6,100	360,456	-5,00%	8	-	-	-	7	-3,600	360,581	-3,00%	360,821	360,689	-0,133	7	3,600	360,581	-3,00%	8	-	-	-	9	6,100	360,456	-5,00%	10	7,492	360,108	15	-	-	16	-	-	17	-	-	18	-	-	33	26,566	360,015	-1,9	-0,5
142+0,000		PTV	33	-8,410	360,973	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	360,163	9	-6,100	360,538	-5,00%	8	-	-	-	7	-3,600	360,663	-3,00%	360,731	360,771	0,040	7	3,600	360,663	-3,00%	8	-	-	-	9	6,100	360,538	-5,00%	10	7,600	360,463	15	-	-	16	-	-	17	-	-	18	-	-	33	7,917	360,480	-0,8	0,0
143+0,000			33	-8,211	360,840	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	360,228	9	-6,100	360,603	-5,00%	8	-	-	-	7	-3,600	360,728	-3,00%	360,582	360,836	0,255	7	3,600	360,728	-3,00%	8	-	-	-	9	6,100	360,603	-5,00%	10	7,600	360,528	15	-	-	16	-	-	17	-	-	18	-	-	33	7,801	360,395	-0,6	0,1
144+0,000			33	-7,727	360,721	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	360,593	9	-6,100	360,668	-5,00%	8	-	-	-	7	-3,600	360,793	-3,00%	360,459	360,901	0,442	7	3,600	360,793	-3,00%	8	-	-	-	9	6,100	360,668	-5,00%	10	7,600	360,593	15	-	-	16	-	-	17	-	-	18	-	-	33	8,188	360,202	-0,1	0,4
145+0,000			33	-7,685	360,602	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	360,659	9	-6,100	360,734	-5,00%	8	-	-	-	7	-3,600	360,859	-3,00%	360,403	360,967	0,564	7	3,600	360,859	-3,00%	8	-	-	-	9	6,100	360,734	-5,00%	10	7,600	360,659	15	-	-	16	-	-	17	-	-	18	-	-	33	8,406	360,121	0,1	0,5
146+0,000			33	-8,394	360,194	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	360,724	9	-6,100	360,799	-5,00%	8	-	-	-	7	-3,600	360,924	-3,00%	360,214	361,032	0,817	7	3,600	360,924	-3,00%	8	-	-	-	9	6,100	360,799	-5,00%	10	7,600	360,724	15	-	-	16	-	-	17	-	-	18	-	-	33	8,930	359,837	0,5	0,9
147+0,000			33	-8,367	360,278	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	360,789	9	-6,100	360,864	-5,00%	8	-	-	-	7	-3,600	360,989	-3,00%	360,058	361,097	1,039	7	3,600	360,989	-3,00%	8	-	-	-	9	6,100	360,864	-5,00%	10	7,600	360,789	15	-	-	16	-	-	17	-	-	18	-	-	33	9,031	359,834	0,5	1,0
148+0,000			33	-8,476	360,270	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	360,854	9	-6,100	360,929	-5,00%	8	-	-	-	7	-3,600	361,054	-3,00%	360,151	361,162	1,010	7	3,600	361,054	-3,00%	8	-	-	-	9	6,100	360,929	-5,00%	10	7,600	360,854	15	-	-	16	-	-	17	-	-	18	-	-	33	9,136	359,830	0,6	1,0
149+0,000			33	-8,708	360,180	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	360,919	9	-6,100	360,994	-5,00%	8	-	-	-	7	-3,600	361,119	-3,00%	359,907	361,227	1,320	7	3,600	361,119	-3,00%	8	-	-	-	9	6,100	360,994	-5,00%	10	7,600	360,919	15	-	-	16	-	-	17	-	-	18	-	-	33	9,518	359,640	0,7	1,3
150+0,000			33	-8,951	360,083	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	360,984	9	-6,100	361,059	-5,00%	8	-	-	-	7	-3,600	361,184	-3,00%	359,847	361,292	1,445	7	3,600	361,184	-3,00%	8	-	-	-	9	6,100	361,059	-5,00%	10	7,600	360,984	15	-	-	16	-	-	17	-	-	18	-	-	33	9,728	359,565	0,9	1,4
151+0,000			33	-9,138	360,024	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,049	9	-6,100	361,124	-5,00%	8	-	-	-	7	-3,600	361,249	-3,00%	359,790	361,357	1,567	7	3,600	361,249	-3,00%	8	-	-	-	9	6,100	361,124	-5,00%	10	7,600	361,049	15	-	-	16	-	-	17	-	-	18	-	-	33	9,917	359,505	1,0	1,5
152+0,000			33	-9,302	359,980	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,114	9	-6,100	361,189	-5,00%	8	-	-	-	7	-3,600	361,314	-3,00%	359,735	361,422	1,688	7	3,600	361,314	-3,00%	8	-	-	-	9	6,100	361,189	-5,00%	10	7,600	361,114	15	-	-	16	-	-	17	-	-	18	-	-	33	10,000	359,514	1,1	1,6
153+0,000			33	-9,394	359,983	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,179	9	-6,100	361,254	-5,00%	8	-	-	-	7	-3,600	361,379	-3,00%	359,649	361,487	1,839	7	3,600	361,379	-3,00%	8	-	-	-	9	6,100	361,254	-5,00%	10	7,600	361,179	15	-	-	16	-	-	17	-	-	18	-	-	33	10,071	359,532	1,2	1,6
153+10,000			33	-9,475	359,962	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,212	9	-6,100	361,287	-5,00%	8	-	-	-	7	-3,600	361,412	-3,00%	359,620	361,520	1,900	7	3,600	361,412	-3,00%	8	-	-	-	9	6,100	361,287	-5,00%	10	7,600	361,212	15	-	-	16	-	-	17	-	-	18	-	-	33	10,252	359,444	1,2	1,8
154+0,000			33	-9,555	359,941	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,244	9	-6,100	361,319	-5,00%	8	-	-	-	7	-3,600	361,444	-3,00%	359,608	361,552	1,945	7	3,600	361,444	-3,00%	8	-	-	-	9	6,100	361,319	-5,00%	10	7,600	361,244	15	-	-	16	-	-	17	-	-	18	-	-	33	10,559	359,272	1,3	2,0
155+0,000			33	-9,759	359,870	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,310	9	-6,100	361,385	-5,00%	8	-	-	-	7	-3,600	361,510	-3,00%	359,547	361,618	2,071	7	3,600	361,510	-3,00%	8	-	-	-	9	6,100	361,385	-5,00%	10	7,600	361,310	15	-	-	16	-	-	17	-	-	18	-	-	33	10,670	359,263	1,4	2,0
156+0,000			33	-9,974	359,792	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,375	9	-6,100	361,450	-5,00%	8	-	-	-	7	-3,600	361,575	-3,00%	359,502	361,683	2,180	7	3,600	361,575	-3,00%	8	-	-	-	9	6,100	361,450	-5,00%	10	7,600	361,375	15	-	-	16	-	-	17	-	-	18	-	-	33	11,057	359,070	1,6	2,3
157+0,000			33	-10,113	359,765	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,440	9	-6,100	361,515	-5,00%	8	-	-	-	7	-3,600	361,640	-3,00%	359,503	361,748	2,245	7	3,600	361,640	-3,00%	8	-	-	-	9	6,100	361,515	-5,00%	10	7,600	361,440	15	-	-	16	-	-	17	-	-	18	-	-	33	11,190	359,047	1,7	2,4
157+5,000		PCV	33	-10,147	359,758	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,456	9	-6,100	361,531	-5,00%	8	-	-	-	7	-3,600	361,656	-3,00%	359,505	361,764	2,259	7	3,600	361,656	-3,00%	8	-	-	-	9	6,100	361,531	-5,00%	10	7,600	361,456	15	-	-	16	-	-	17	-	-	18	-	-	33	11,196	359,059	1,7	2,4
157+10,000			33	-10,190	359,745	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,472	9	-6,100	361,547	-5,00%	8	-	-	-	7	-3,600	361,672	-3,00%	359,482	361,780	2,297	7	3,600	361,672	-3,00%	8	-	-	-	9	6,100	361,547	-5,00%	10	7,600	361,472	15	-	-	16	-	-	17	-	-	18	-	-	33	11,187	359,080	1,7	2,4
158+0,000			33	-10,273	359,718	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,500	9	-6,100	361,575	-5,00%	8	-	-	-	7	-3,600	361,700	-3,00%	359,437	361,808	2,371	7	3,600	361,700	-3,00%	8	-	-	-	9	6,100	361,575	-5,00%	10	7,600	361,500	15	-	-	16	-	-	17	-	-	18	-	-	33	11,165	359,124	1,8	2,4
159+0,000			33	-10,379	359,692	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,544	9	-6,100	361,619	-5,00%	8	-	-	-	7	-3,600	361,744	-3,00%	359,424	361,852	2,428	7	3,600	361,744	-3,00%	8	-	-	-	9	6,100	361,619	-5,00%	10	7,600	361,544	15	-	-	16	-	-	17	-	-	18	-	-	33	11,313	359,069	1,9	2,5
160+0,000			33	-10,407	359,700	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,572	9	-6,100	361,647	-5,00%	8	-	-	-	7	-3,600	361,772	-3,00%	359,466	361,880	2,413	7	3,600	361,772	-3,00%	8	-	-	-	9	6,100	361,647	-5,00%	10	7,600	361,572	15	-	-	16	-	-	17	-	-	18	-	-	33	11,280	359,119	1,9	2,5
161+0,000			33	-10,513	359,640	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,582	9	-6,100	361,657	-5,00%	8	-	-	-	7	-3,600	361,782	-3,00%	359,515	361,890	2,375	7	3,600	361,782	-3,00%	8	-	-	-	9	6,100	361,657	-5,00%	10	7,600	361,582	15	-	-	16	-	-	17	-	-	18	-	-	33	11,227	359,164	1,9	2,4
161+2,800			33	-10,534	359,627	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,582	9	-6,100	361,657	-5,00%	8	-	-	-	7	-3,600	361,782	-3,00%	359,522	361,890	2,368	7	3,600	361,782	-3,00%	8	-	-	-	9	6,100	361,657	-5,00%	10	7,600	361,582	15	-	-	16	-	-	17	-	-	18	-	-	33	11,236	359,159	2,0	2,4
161+10,000			33	-10,542	359,620	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,581	9	-6,100	361,656	-5,00%	8	-	-	-	7	-3,600	361,781	-3,00%	359,493	361,889	2,396	7	3,600	361,781	-3,00%	8	-	-	-	9	6,100	361,656	-5,00%	10	7,600	361,581	15	-	-	16	-	-	17	-	-	18	-	-	33	11,265	359,138	2,0	2,4
162+0,000			33	-10,513	359,634	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,576	9	-6,100	361,651	-5,00%	8	-	-	-	7	-3,600	361,776	-3,00%	359,426	361,884	2,458	7	3,600	361,776	-3,00%	8	-	-	-	9	6,100	361,651	-5,00%	10	7,600	361,576	15	-	-	16	-	-	17	-	-	18	-	-	33	11,265	359,132	1,9	2,4
163+0,000			33	-10,404	359,684	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,553	9	-6,100	361,628	-5,00%	8	-	-	-	7	-3,600	361,753	-3,00%	359,434	361,861	2,427	7	3,600	361,753	-3,00%	8	-	-	-	9	6,100	361,628	-5,00%	10	7,600	361,553	15	-	-	16	-	-	17	-	-	18	-	-	33	11,129	359,201	1,9	2,4
164+0,000			33	-10,103	359,845	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,513	9	-6,100	361,588	-5,00%	8	-	-	-	7	-3,600	361,713	-3,00%	359,368	361,821	2,453	7	3,600	361,713	-3,00%	8	-	-	-	9	6,100	361,588	-5,00%	10	7,600	361,513	15	-	-	16	-	-	17	-	-	18	-	-	33	11,091	359,186	1,7	2,3
165+0,000			33	-10,135	359,767	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,457	9	-6,100	361,532	-5,00%	8	-	-	-	7	-3,600	361,657	-3,00%	359,329	361,765	2,436	7	3,600	361,657	-3,00%	8	-	-	-	9	6,100	361,532	-5,00%	10	7,600	361,457	15	-	-	16	-	-	17	-	-	18	-	-	33	11,108	359,118	1,7	2,3
166+0,000			33	-10,300	359,583	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,384	9	-6,100	361,459	-5,00%	8	-	-	-	7	-3,600	361,584	-3,00%	359,360	361,692	2,331	7	3,600	361,584	-3,00%	8	-	-	-	9	6,100	361,459	-5,00%	10	7,600	361,384	15	-	-	16	-	-	17	-	-	18	-	-	33	10,968	359,138	1,8	2,2
167+0,000			33	-10,124	359,611	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,294	9	-6,100	361,369	-5,00%	8	-	-	-	7	-3,600	361,494	-3,00%	359,238	361,602	2,364	7	3,600	361,494	-3,00%	8	-	-	-	9	6,100	361,369	-5,00%	10	7,600	361,294	15	-	-	16	-	-	17	-	-	18	-	-	33	10,847	359,129	1,7	2,2
168+0,000			33	-10,643	359,158	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,187	9	-6,100	361,262	-5,00%	8	-	-	-	7	-3,600	361,387	-3,00%	359,382	361,495	2,113	7	3,600	361,387	-3,00%	8	-	-	-	9	6,100	361,262	-5,00%	10	7,600	361,187	15	-	-	16	-	-	17	-	-	18	-	-	33	11,275	358,737	2,0	2,5
169+0,000			33	-11,055	358,760	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,063	9	-6,100	361,138	-5,00%	8	-	-	-	7	-3,600	361,263	-3,00%	359,136	361,371	2,236	7	3,600	361,263	-3,00%	8	-	-	-	9	6,100	361,138	-5,00%	10	7,600	361,063	15	-	-	16	-	-	17	-	-	18	-	-	33	10,780	358,943	2,3	2,1
170+0,000			33	-9,966	359,345	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	360,923	9	-6,100	360,998	-5,00%	8	-	-	-	7	-3,600	361,123	-3,00%	359,184	361,231	2,047	7	3,600	361,123	-3,00%	8	-	-	-	9	6,100	360,998	-5,00%	10	7,600	360,923	15	-	-	16	-	-	17	-	-	18	-	-	33	10,525	358,973	1,6	2,0
171+0,000			33	-9,899	359,233	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	360,766	9	-6,100	360,841	-5,00%	8	-	-	-	7	-3,600	360,966	-3,00%	359,102	361,074	1,972	7	3,600	360,966	-3,00%	8	-	-	-	9	6,100	360,841	-5,00%	10	7,600	360,766	15	-	-	16	-	-	17	-	-	18	-	-	33	10,450	358,866	1,5	1,9

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA – Talude			Fim da Segunda Berma			Inicio da Segunda Berma			Fim da Primeira Berma			Inicio da Primeira Berma / Encontro de Talude			Fundo canaleta / Barreira			Acostamento / Faixa de Segurança / Concordância de Pista				Faixa de Aceleração ou Desaceleração				Bordo da pista				COTAS DE EIXO – Terreno Natural	Projeto	Cota vermelha	LADO DIREITO – PLATAFORMA ACABADA – Bordo da pista				Faixa de Aceleração ou Desaceleração				Acostamento / Faixa de Segurança / Concordância de Pista				Fundo canaleta / Barreira			Inicio da Primeira Berma / Encontro de Talude			Fim da Primeira Berma			Inicio da Segunda Berma			Fim da Segunda Berma			Talude			ALTURAS DOS TALUDES – LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota		
172+0,000			33	- 9,756	359,155	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	360,592	9	- 6,100	360,667	-5,00%	8	-	-	-	7	- 3,600	360,792	-3,00%	359,035	360,900	1,865	7	3,600	360,792	-3,00%	8	-	-	-	9	6,100	360,667	-5,00%	10	7,600	360,592	15	-	-	16	-	-	17	-	-	18	-	-	33	10,398	358,727	1,4	1,9
172+15,000		PTV	33	- 9,726	359,033	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	360,450	9	- 6,100	360,525	-5,00%	8	-	-	-	7	- 3,600	360,650	-3,00%	358,739	360,758	2,019	7	3,600	360,650	-3,00%	8	-	-	-	9	6,100	360,525	-5,00%	10	7,600	360,450	15	-	-	16	-	-	17	-	-	18	-	-	33	10,311	358,643	1,4	1,8
173+0,000			33	- 9,749	358,969	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	360,402	9	- 6,100	360,477	-5,00%	8	-	-	-	7	- 3,600	360,602	-3,00%	358,604	360,710	2,105	7	3,600	360,602	-3,00%	8	-	-	-	9	6,100	360,477	-5,00%	10	7,600	360,402	15	-	-	16	-	-	17	-	-	18	-	-	33	10,340	358,575	1,4	1,8
174+0,000			33	- 9,469	358,961	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	360,207	9	- 6,100	360,282	-5,00%	8	-	-	-	7	- 3,600	360,407	-3,00%	358,714	360,515	1,800	7	3,600	360,407	-3,00%	8	-	-	-	9	6,100	360,282	-5,00%	10	7,600	360,207	15	-	-	16	-	-	17	-	-	18	-	-	33	10,162	358,499	1,2	1,7
175+0,000			33	- 9,427	358,794	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	360,012	9	- 6,100	360,087	-5,00%	8	-	-	-	7	- 3,600	360,212	-3,00%	358,600	360,320	1,720	7	3,600	360,212	-3,00%	8	-	-	-	9	6,100	360,087	-5,00%	10	7,600	360,012	15	-	-	16	-	-	17	-	-	18	-	-	33	9,987	358,420	1,2	1,6
176+0,000			33	- 9,321	358,669	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	359,817	9	- 6,100	359,892	-5,00%	8	-	-	-	7	- 3,600	360,017	-3,00%	358,524	360,125	1,601	7	3,600	360,017	-3,00%	8	-	-	-	9	6,100	359,892	-5,00%	10	7,600	359,817	15	-	-	16	-	-	17	-	-	18	-	-	33	9,837	358,326	1,1	1,5
177+0,000			33	- 9,223	358,540	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	359,622	9	- 6,100	359,697	-5,00%	8	-	-	-	7	- 3,600	359,822	-3,00%	358,310	359,930	1,620	7	3,600	359,822	-3,00%	8	-	-	-	9	6,100	359,697	-5,00%	10	7,600	359,622	15	-	-	16	-	-	17	-	-	18	-	-	33	9,858	358,116	1,1	1,5
178+0,000			33	- 9,001	358,493	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	359,427	9	- 6,100	359,502	-5,00%	8	-	-	-	7	- 3,600	359,627	-3,00%	358,165	359,735	1,571	7	3,600	359,627	-3,00%	8	-	-	-	9	6,100	359,502	-5,00%	10	7,600	359,427	15	-	-	16	-	-	17	-	-	18	-	-	33	9,790	357,967	0,9	1,5
179+0,000			33	- 9,258	358,127	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	359,232	9	- 6,100	359,307	-5,00%	8	-	-	-	7	- 3,600	359,432	-3,00%	357,969	359,540	1,571	7	3,600	359,432	-3,00%	8	-	-	-	9	6,100	359,307	-5,00%	10	7,600	359,232	15	-	-	16	-	-	17	-	-	18	-	-	33	9,656	357,862	1,1	1,4
180+0,000			33	- 9,243	357,942	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	359,037	9	- 6,100	359,112	-5,00%	8	-	-	-	7	- 3,600	359,237	-3,00%	357,748	359,345	1,598	7	3,600	359,237	-3,00%	8	-	-	-	9	6,100	359,112	-5,00%	10	7,600	359,037	15	-	-	16	-	-	17	-	-	18	-	-	33	9,664	357,662	1,1	1,4
180+5,000		PCV	33	- 9,277	357,870	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	358,989	9	- 6,100	359,064	-5,00%	8	-	-	-	7	- 3,600	359,189	-3,00%	357,696	359,297	1,600	7	3,600	359,189	-3,00%	8	-	-	-	9	6,100	359,064	-5,00%	10	7,600	358,989	15	-	-	16	-	-	17	-	-	18	-	-	33	9,639	357,629	1,1	1,4
181+0,000			33	- 9,440	357,623	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	358,849	9	- 6,100	358,924	-5,00%	8	-	-	-	7	- 3,600	359,049	-3,00%	357,641	359,157	1,517	7	3,600	359,049	-3,00%	8	-	-	-	9	6,100	358,924	-5,00%	10	7,600	358,849	15	-	-	16	-	-	17	-	-	18	-	-	33	9,627	357,498	1,2	1,4
182+0,000			33	- 9,381	357,496	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	358,684	9	- 6,100	358,759	-5,00%	8	-	-	-	7	- 3,600	358,884	-3,00%	357,391	358,992	1,601	7	3,600	358,884	-3,00%	8	-	-	-	9	6,100	358,759	-5,00%	10	7,600	358,684	15	-	-	16	-	-	17	-	-	18	-	-	33	9,819	357,204	1,2	1,5
182+5,000			33	- 9,371	357,466	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	358,646	9	- 6,100	358,721	-5,00%	8	-	-	-	7	- 3,600	358,846	-3,00%	357,321	358,954	1,633	7	3,600	358,846	-3,00%	8	-	-	-	9	6,100	358,721	-5,00%	10	7,600	358,646	15	-	-	16	-	-	17	-	-	18	-	-	33	9,854	357,144	1,2	1,5
183+0,000			33	- 9,390	357,350	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	358,543	9	- 6,100	358,618	-5,00%	8	-	-	-	7	- 3,600	358,743	-3,00%	357,233	358,851	1,618	7	3,600	358,743	-3,00%	8	-	-	-	9	6,100	358,618	-5,00%	10	7,600	358,543	15	-	-	16	-	-	17	-	-	18	-	-	33	9,917	356,998	1,2	1,5
184+0,000			33	- 9,429	357,206	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	358,425	9	- 6,100	358,500	-5,00%	8	-	-	-	7	- 3,600	358,625	-3,00%	356,996	358,733	1,737	7	3,600	358,625	-3,00%	8	-	-	-	9	6,100	358,500	-5,00%	10	7,600	358,425	15	-	-	16	-	-	17	-	-	18	-	-	33	10,076	356,774	1,2	1,7
184+5,000		PTV	33	- 9,426	357,182	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	358,399	9	- 6,100	358,474	-5,00%	8	-	-	-	7	- 3,600	358,599	-3,00%	356,929	358,707	1,778	7	3,600	358,599	-3,00%	8	-	-	-	9	6,100	358,474	-5,00%	10	7,600	358,399	15	-	-	16	-	-	17	-	-	18	-	-	33	10,120	356,719	1,2	1,7
185+0,000			33	- 9,643	356,963	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	358,324	9	- 6,100	358,399	-5,00%	8	-	-	-	7	- 3,600	358,524	-3,00%	356,781	358,632	1,851	7	3,600	358,524	-3,00%	8	-	-	-	9	6,100	358,399	-5,00%	10	7,600	358,324	15	-	-	16	-	-	17	-	-	18	-	-	33	10,230	356,571	1,4	1,8
186+0,000			33	- 9,760	356,785	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	358,225	9	- 6,100	358,300	-5,00%	8	-	-	-	7	- 3,600	358,425	-3,00%	356,520	358,533	2,013	7	3,600	358,425	-3,00%	8	-	-	-	9	6,100	358,300	-5,00%	10	7,600	358,225	15	-	-	16	-	-	17	-	-	18	-	-	33	10,482	356,303	1,4	1,9
187+0,000			33	- 10,017	356,513	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	358,125	9	- 6,100	358,200	-5,00%	8	-	-	-	7	- 3,600	358,325	-3,00%	356,256	358,433	2,177	7	3,600	358,325	-3,00%	8	-	-	-	9	6,100	358,200	-5,00%	10	7,600	358,125	15	-	-	16	-	-	17	-	-	18	-	-	33	10,723	356,043	1,6	2,1
188+0,000			33	- 10,369	356,179	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	358,025	9	- 6,100	358,100	-5,00%	8	-	-	-	7	- 3,600	358,225	-3,00%	356,150	358,333	2,183	7	3,600	358,225	-3,00%	8	-	-	-	9	6,100	358,100	-5,00%	10	7,600	358,025	15	-	-	16	-	-	17	-	-	18	-	-	33	10,775	355,908	1,8	2,1
189+0,000			33	- 10,487	356,000	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	357,925	9	- 6,100	358,000	-5,00%	8	-	-	-	7	- 3,600	358,125	-3,00%	355,895	358,233	2,338	7	3,600	358,125	-3,00%	8	-	-	-	9	6,100	358,000	-5,00%	10	7,600	357,925	15	-	-	16	-	-	17	-	-	18	-	-	33	10,946	355,695	1,9	2,2
190+0,000			33	- 10,557	355,854	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	357,825	9	- 6,100	357,900	-5,00%	8	-	-	-	7	- 3,600	358,025	-3,00%	355,653	358,133	2,480	7	3,600	358,025	-3,00%	8	-	-	-	9	6,100	357,900	-5,00%	10	7,600	357,825	15	-	-	16	-	-	17	-	-	18	-	-	33	11,197	355,427	2,0	2,4
191+0,000			33	- 10,719	355,646	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	357,726	9	- 6,100	357,801	-5,00%	8	-	-	-	7	- 3,600	357,926	-3,00%	355,419	358,034	2,615	7	3,600	357,926	-3,00%	8	-	-	-	9	6,100	357,801	-5,00%	10	7,600	357,726	15	-	-	16	-	-	17	-	-	18	-	-	33	11,405	355,189	2,1	2,5
192+0,000			33	- 11,034	355,337	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	357,626	9	- 6,100	357,701	-5,00%	8	-	-	-	7	- 3,600	357,826	-3,00%	355,210	357,934	2,724	7	3,600	357,826	-3,00%	8	-	-	-	9	6,100	357,701	-5,00%	10	7,600	357,626	15	-	-	16	-	-	17	-	-	18	-	-	33	11,559	354,986	2,3	2,6
193+0,000			33	- 11,151	355,158	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	357,526	9	- 6,100	357,601	-5,00%	8	-	-	-	7	- 3,600	357,726	-3,00%	354,964	357,834	2,870	7	3,600	357,726	-3,00%	8	-	-	-	9	6,100	357,601	-5,00%	10	7,600	357,526	15	-	-	16	-	-	17	-	-	18	-	-	33	11,955	354,623	2,4	2,9
194+0,000			33	- 11,311	354,952	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	357,426	9	- 6,100	357,501	-5,00%	8	-	-	-	7	- 3,600	357,626	-3,00%	354,755	357,734	2,979	7	3,600	357,626	-3,00%	8	-	-	-	9	6,100	357,501	-5,00%	10	7,600	357,426	15	-	-	16	-	-	17	-	-	18	-	-	33	12,076	354,442	2,5	3,0
195+0,000			33	- 11,356	354,823	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	357,326	9	- 6,100	357,401	-5,00%	8	-	-	-	7	- 3,600	357,526	-3,00%	354,553	357,634	3,081	7	3,600	357,526	-3,00%	8	-	-	-	9	6,100	357,401	-5,00%	10	7,600	357,326	15	-	-	16	-	-	17	-	-	18	-	-	33	12,196	354,262	2,5	3,1
196+0,000			33	- 11,554	354,591	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	357,226	9	- 6,100	357,301	-5,00%	8	-	-	-	7	- 3,600	357,426	-3,00%	354,333	357,534	3,201	7	3,600	357,426	-3,00%	8	-	-	-	9	6,100	357,301	-5,00%	10	7,600	357,226	15	-	-	16	-	-	17	-	-	18	-	-	33	12,365	354,050	2,6	3,2
197+0,000			33	- 11,770	354,346	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	357,127	9	- 6,100	357,202	-5,00%	8	-	-	-	7	- 3,600	357,327	-3,00%	354,127	357,435	3,308	7	3,600	357,327	-3,00%	8	-	-	-	9	6,100	357,202	-5,00%	10	7,600	357,127	15	-	-	16	-	-	17	-	-	18	-	-	33	12,486	353,870	2,8	3,3
198+0,000			33	- 11,859	354,187	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	357,027	9	- 6,100	357,102	-5,00%	8	-	-	-	7	- 3,600	357,227	-3,00%	353,962	357,335	3,373	7	3,600	357,227	-3,00%	8	-	-	-	9	6,100	357,102	-5,00%	10	7,600	357,027	15	-	-	16	-	-	17	-	-	18	-	-	33	12,620	353,680	2,8	3,3
199+0,000			33	- 11,900	354,060	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,927	9	- 6,100	357,002	-5,00%	8	-	-	-	7	- 3,600	357,127	-3,00%	353,737	357,235	3,498	7	3,600	357,127	-3,00%	8	-	-	-	9	6,100	357,002	-5,00%	10	7,600	356,927	15	-	-	16	-	-	17	-	-	18	-	-	33	12,897	353,396	2,9	3,5
199+10,000		PCV	33	- 12,017	353,932	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,877	9	- 6,100	356,952	-5,00%	8	-	-	-	7	- 3,600	357,077	-3,00%	353,670	357,185	3,515	7	3,600	357,077	-3,00%	8	-	-	-	9	6,100	356,952	-5,00%	10	7,600	356,877	15	-	-	16	-	-	17	-	-	18	-	-	33	13,002	353,276	2,9	3,6
200+0,000			33	- 12,189	353,771	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,830	9	- 6,100	356,905	-5,00%	8	-	-	-	7	- 3,600	357,030	-3,00%	353,511	357,138	3,628	7	3,600	357,030	-3,00%	8	-	-	-	9	6,100	356,905	-5,00%	10	7,600	356,830	15	-	-	16	-	-	17	-	-	18	-	-	33	13,033	353,209	3,1	3,6
201+0,000			33	- 12,562	353,448	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,755	9	- 6,100	356,830	-5,00%	8	-	-	-	7	- 3,600	356,955	-3,00%	353,316	357,063	3,748	7	3,600	356,955	-3,00%	8	-	-	-	9	6,100	356,830	-5,00%	10	7,600	356,755	15	-	-	16	-	-	17	-	-	18	-	-	33	13,146	353,058	3,3	3,7
202+0,000			33	- 12,638	353,346	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,705	9	- 6,100	356,780	-5,00%	8	-	-	-	7	- 3,600	356,905	-3,00%	353,113	357,013	3,900	7	3,600	356,905	-3,00%	8	-	-	-	9	6,100	356,780	-5,00%	10	7,600	356,705	15	-	-	16	-	-	17	-	-	18	-	-	33	13,428	352,820	3,4	3,9
203+0,000			33	- 12,858	353,174	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,679	9	- 6,100	356,754	-5,00%	8	-	-	-	7	- 3,600	356,879	-3,00%	352,952	356,987	4,035	7	3,600	356,879	-3,00%	8	-	-	-	9	6,100	356,754	-5,00%	10	7,600	356,679	15	-	-	16	-	-	17	-	-	18	-	-	33	13,739	352,586	3,5	4,1
203+10,613			33	- 13,000	353,076	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,676	9	- 6,100	356,751	-5,00%	8	-	-	-	7	- 3,600	356,876	-3,00%	352,880	356,984	4,104	7	3,600	356,876	-3,00%	8	-	-	-	9	6,100	356,751	-5,00%	10	7,600	356,676	15	-	-	16	-	-	17	-	-	18	-	-	33	13,937	352,451	3,6	4,2
204+0,000			33	- 13,092	353,017	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,679	9	- 6,100	356,754	-5,00%	8	-	-	-	7	- 3,600	356,879	-3,00%	352,818	356,987	4,168	7	3,600	356,879	-3,00%	8	-	-	-	9	6,100	356,754	-5,00%	10	7,600	356,679	15	-	-	16	-	-	17	-	-	18	-	-	33	14,074	352,363	3,7	4,3
205+0,000			33	- 13,448	352,804	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,703	9	- 6,100	356,778	-5,00%	8	-	-	-	7	- 3,600	356,903	-3,00%	352,448	357,011	4,563	7	3,600	356,903	-3,00%	8	-	-	-	9	6,100	356,778	-5,00%	10	7,600	356,703	15	-	-	16	-	-	17	-	-	18	-	-	33	14,305	352,232	3,9	4,5
206+0,000			33	- 13,700	352,685	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,751	9	- 6,100	356,826	-5,00%	8	-	-	-	7	- 3,600	356,951	-3,00%	352,295	357,059	4,764	7	3,600	356,951	-3,00%	8	-	-	-	9	6,100	356,826	-5,00%	10	7,600	356,751	15	-	-	16	-	-	17	-	-	18	-	-	33	14,647	352,054	4,1	4,7
206+10,000		PTV	33	- 13,876	352,601	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,785	9	- 6,100	356,860	-5,00%	8	-	-	-	7	- 3,600	356,985	-3,00%	352,247	357,093	4,846	7	3,600	356,985	-3,00%	8	-	-	-	9	6,100	356,860	-5,00%	10	7,600	356,785	15	-	-	16	-	-	17	-	-	18	-	-	33	14,817	351,974	4,2	4,8
207+0,000			33	- 14,079	352,503	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,822	9	- 6,100	356,897	-5,00%	8	-	-	-	7	- 3,600	357,022	-3,00%	352,186	357,130	4,943	7	3,600	357,022	-3,00%	8	-	-	-	9	6,100	356,897	-5,00%	10	7,600	356,822	15	-	-	16	-	-	17	-	-	18	-	-	33	15,045	351,859	4,3	5,0
208+0,000			33	- 14,531	352,274	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,895	9	- 6,100	356,970	-5,00%	8	-	-	-	7	- 3,600	357,095	-3,00%	352,039	357,203	5,165	7	3,600	357,095	-3,00%	8	-	-	-	9	6,100	356,970	-5,00%	10	7,600	356,895	15	-	-	16	-	-	17	-	-	18	-	-	33	15,458	351,657	4,6	5,2
208+5,000		PCV	33	- 14,645	352,217	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,914	9	- 6,100	356,989	-5,00%	8	-	-	-	7	- 3,600	357,114	-3,00%	351,998	357,222	5,224	7	3,600	357,114	-3,00%	8	-	-	-	9	6,100	356,989	-5,00%	10	7,600	356,914	15	-	-	16	-	-	17	-	-	18	-	-	33	15,557	351,609	4,7	5,3
209+0,000			33	- 14,924	352,075	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,958	9	- 6,100	357,033	-5,00%	8	-	-	-	7	- 3,600	357,158	-3,00%	351,784	357,266	5,482	7	3,600	357,158	-3,00%	8	-	-	-	9	6,100	357,033	-5,00%	10	7,600	356,958	15	-	-	16	-	-	17	-	-	18	-	-	33	15,938	351,400	4,9	5,6
210+0,000			33	- 15,152	351,949	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,983	9	- 6,100	357,058	-5,00%	8	-	-	-	7	- 3,600	357,183	-3,00%	351,611	357,291	5,680	7	3,600	357,183	-3,00%	8	-	-	-	9	6,100	357,058	-5,00%	10	7,600	356,983	15	-	-	16	-	-	17	-	-	18	-	-	33	16,282	351,195	5,0	5,8
210+3,136			33	- 15,180	351,930	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,984	9	- 6,100	357,059	-5,00%	8	-	-	-	7	- 3,600	357,184	-3,00%	351,589	357,292	5,703	7	3,600	357,184	-3,00%	8	-	-	-	9	6,100	357,059	-5,00%	10	7,600	356,984	15	-	-	16	-	-	17	-	-	18	-	-	33	16,324	351,168	5,1	5,8
210+10,000			33	- 15,243	351,886	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,982	9	- 6,100	357,057	-5,00%	8	-	-	-	7	- 3,600	357,182	-3,00%	351,544	357,290	5,746	7	3,600	357,182	-3,00%	8	-	-	-	9	6,100	357,057	-5,00%	10	7,600	356,982	15	-	-	16	-	-	17	-	-	18	-	-	33	16,411	351,108	5,1	5,9
211+0,000			33	- 15,326	351,819	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,970	9	- 6,100	357,045	-5,00%	8	-	-	-	7	- 3,600	357,170	-3,00%	351,478	357,278	5,800	7	3,600	357,170	-3,00%	8	-	-	-	9	6,100	357,045	-5,00%	10	7,600	356,970	15	-	-	16	-	-	17	-	-	18	-	-	33	16,524	351,021	5,2	5,9
212+0,000			33	- 15,626	351,568	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,918	9	- 6,100	356,993	-5,00%	8	-	-	-	7	- 3,600	357,118	-3,00%	351,380	357,226	5,846	7	3,600	357,118	-3,00%	8	-	-	-	9	6,100	356,993	-5,00%	10	7,600	356,918	15	-	-	16	-	-	17	-	-	18	-	-	33	16,768	350,806	5,4	6,1
212+15,000		PTV	33	- 15,814	351,379	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,854	9	- 6,100	356,929	-5,00%	8	-	-	-	7	- 3,600	357,054	-3,00%	351,110	357,162	6,052	7	3,600	357,054	-3,00%	8	-	-	-	9	6,100	356,929	-5,00%	10	7,600	356,854	15	-	-	16	-	-	17	-	-	18	-	-	33	16,938	350,629	5,5	6,2
213+0,000			33	- 15,872	351,314	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,829	9	- 6,100	356,904	-5,00%	8	-	-	-	7	- 3,600	357,029	-3,00%	350,990	357,137	6,148	7	3,600	357,029	-3,00%	8	-	-	-	9	6,100	356,904	-5,00%	10	7,600	356,829	15	-	-	16	-	-	17	-	-	18	-	-	33	16,989	350,570	5,5	6,3
214+0,000			33	- 16,021	351,116	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,729	9	- 6,100	356,804	-5,00%	8	-	-	-	7	- 3,600	356,929	-3,00%	350,716	357,037	6,322	7	3,600	356,929	-3,00%	8	-	-	-	9	6,100	356,804	-5,00%	10	7,600	356,729	15	-	-	16	-	-	17	-	-	18	-	-	33	17,162	350,355	5,6	6,4
215+0,000			33	- 16,216	350,886	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,629	9	- 6,100	356,704	-5,00%	8	-	-	-	7	- 3,600	356,829	-3,00%	350,508	356,937	6,430	7	3,600	356,829	-3,00%	8	-	-	-	9	6,100	356,704	-5,00%	10	7,600	356,629	15	-	-	16	-	-	17	-	-	18	-	-	33	17,296	350,165	5,7	6,5
216+0,000			33	- 16,385	350,672	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,529	9	- 6,100	356,604	-5,00%	8	-	-	-	7	- 3,600	356,729	-3,00%	350,247	356,837	6,591	7	3,600	356,729	-3,00%	8	-	-	-	9	6,100	356,604	-5,00%	10	7,600	356,529	15	-	-	16	-	-	17	-	-	18	-	-	33	17,558	349,891	5,9	6,6
217+0,000			33	- 16,691	350,369	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,429	9	- 6,100	356,504	-5,00%	8	-	-	-	7	- 3,600	356,629	-3,00%	349,922	356,737	6,815	7	3,600	356,629	-3,00%	8	-	-	-	9	6,100	356,504	-5,00%	10	7,600	356,429	15	-	-	16	-	-	17	-	-	18	-	-	33	17,949	349,530	6,1	6,9
218+0,000			33	- 16,911	350,122	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,329	9	- 6,100	356,404	-5,00%	8	-	-	-	7	- 3,600	356,529	-3,00%	349,675	356,637	6,962	7	3,600	356,529	-3,00%	8	-	-	-	9	6,100	356,404	-5,00%	10	7,600	356,329	15	-	-	16	-	-	17	-	-	18	-	-	33	18,170	349,283	6,2	7,0
219+0,000			33	- 17,120	349,883	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,229	9	- 6,100	356,304	-5,00%	8	-	-	-	7	- 3,600	356,429	-3,00%	349,426	356,537	7,112	7	3,600	356,429	-3,00%	8	-	-	-	9	6,100	356,304	-5,00%	10	7,600	356,229	15	-	-	16	-	-	17	-	-	18	-	-	33	18,321	349,082	6,3	7,1
219+17,548			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	356,217	9	- 6,100	356,215	-5,00%	8	-	-	-	7	- 3,600	356,340	-3,00%	349,285	356,448	7,163	7	3,600	356,340	-3,00%	8	-	-	-	9	6,100	356,215	-5,00%	10	6,500	356,217	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
220+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	356,204	9	- 6,100	356,204	-5,00%	8	-	-	-	7	- 3,600	356,329	-3,00%	349,271	356,437	7,166	7	3,600	356,329	-3,00%	8	-	-	-	9	6,100	356,204	-5,00%	10	6,500	356,204	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
220+17,134			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	356,119	9	- 6,100	356,119	-5,00%	8	-	-	-	7	- 3,600	356,244	-3,00%	347,960	356,352	8,391	7	3,600	356,244	-3,00%	8	-	-	-	9	6,100	356,119	-5,00%	10	6,500	356,119	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
221+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	356,104	9	- 6,100	356,104	-5,00%	8	-	-	-	7	- 3,600	356,229	-3,00%	348,657	356,337	7,680	7	3,600	356,229	-3,00%	8	-	-	-	9	6,100	356,104	-5,00%	10	6,500	356,104	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
221+7,782			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	356,104	9	- 6,100	356,065	-5,00%	8	-	-	-	7	- 3,600	356,190	-3,00%	349,222	356,298	7,076	7	3,600	356,190	-3,00%	8	-	-	-	9	6,100	356,065	-5,00%	10	6,500	356,104	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
222+0,000			33	- 17,378	349,411	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,929	9	- 6,100	356,004	-5,00%	8	-	-	-	7	- 3,600	356,129	-3,00%	349,219	356,237	7,019	7	3,600	356,129	-3,00%	8	-	-	-	9	6,100	356,004	-5,00%	10	7,600	355,929	15	-	-	16	-	-	17	-	-	18	-	-	33	18,192	348,868	6,5	7,1
223+0,000			33	- 16,980	349,576	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,829	9	- 6,100	355,904	-5,00%	8	-	-	-	7	- 3,600	356,029	-3,00%	349,319	356,137	6,818	7	3,600	356,029	-3,00%	8	-	-	-	9	6,100	355,904	-5,00%	10	7,600	355,829	15	-	-	16	-	-	17	-	-	18	-	-	33	17,811	349,022	6,3	6,8
224+0,000			33	- 16,658	349,691	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,729	9	- 6,100	355,804	-5,00%	8	-	-	-	7	- 3,600	355,929	-3,00%	349,333	356,037	6,704	7	3,600	355,929	-3,00%	8	-	-	-	9	6,100	355,804	-5,00%	10	7,600	355,729	15	-	-	16	-	-	17	-	-	18	-	-	33	17,430	349,176	6,0	6,6
224+18,005			33	- 16,369	349,793	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,639	9	- 6,100	355,714	-5,00%	8	-	-	-	7	- 3,600	355,839	-3,00%	349,532	355,947	6,415	7	3,600	355,839	-3,00%	8	-	-	-	9	6,100	355,714	-5,00%	10	7,600	355,639	15	-	-	16	-	-	17	-	-	18	-	-	33	17,016	349,362	5,8	6,3
225+0,000			33	- 16,311	349,822	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,629	9	- 6,100	355,704	-5,00%	8	-	-	-	7	- 3,600	355,829	-3,00%	349,562	355,937	6,375	7	3,600	355,831	-2,95%	8	-	-	-	9	6,100	355,706	-5,00%	10	7,600	355,631	15	-	-	16	-	-	17	-	-	18	-	-	33	16,971	349,384	5,8	6,2
226+0,000			33	- 15,675	350,146	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,529	9	- 6,100	355,604	-5,00%	8	-	-	-	7	- 3,600	355,729	-3,00%	350,029	355,837	5,808	7	3,600	355,747	-2,50%	8	-	-	-	9	6,100	355,622	-5,00%	10	7,600	355,547	15	-	-	16	-	-	17	-	-	18	-	-	33	16,114	349,871	5,4	5,7
226+5,000		PCV	33	- 15,452	350,270	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,504	9	- 6,100	355,579	-5,00%	8	-	-	-	7	- 3,600	355,704	-3,00%	350,159	355,812	5,653	7	3,600	355,726	-2,38%	8	-	-	-	9	6,100	355,601	-5,00%	10	7,600	355,526	15	-	-	16	-	-	17	-	-	18	-	-	33	15,892	349,998	5,2	5,5
227+0,000			33	- 14,802	350,641	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,442	9	- 6,100	355,517	-5,00%	8	-	-	-	7	- 3,600	355,642	-3,00%	350,560	355,750	5,190	7	3,600	355,677	-2,04%	8	-	-	-	9	6,100	355,552	-5,00%	10	7,600	355,477	15	-	-	16	-	-	17	-	-	18	-	-	33	15,228	350,391	4,8	5,1
228+0,000			33	- 14,002	351,133	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,401	9	- 6,100	355,476	-5,00%	8	-	-	-	7	- 3,600	355,601	-3,00%	351,017	355,709	4,691	7	3,600	355,652	-1,58%	8	-	-	-	9	6,100	355,527	-5,00%	10	7,600	355,452	15	-	-	16	-	-	17	-	-	18	-	-	33	14,400	350,918	4,3	4,5
228+7,933			33	- 13,701	351,329	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,397	9	- 6,100	355,472	-5,00%	8	-	-	-	7	- 3,600	355,597	-3,00%	351,208	355,705	4,496	7	3,600	355,654	-1,40%	8	-	-	-	9	6,100	355,529	-5,00%	10	7,600	355,454	15	-	-	16	-	-	17	-	-	18	-	-	33	14,059	351,148	4,1	4,3
229+0,000			33	- 13,185	351,682	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,405	9	- 6,100	355,480	-5,00%	8	-	-	-	7	- 3,600	355,605	-3,00%	351,545	355,713	4,169	7	3,600	355,673	-1,13%	8	-	-	-	9	6,100	355,548	-5,00%	10	7,600	355,473	15	-	-	16	-	-	17	-	-	18	-	-	33	13,574	351,490	3,7	4,0
230+0,000			33	- 12,459	352,217	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,457	9	- 6,100	355,532	-5,00%	8	-	-	-	7	- 3,600	355,657	-3,00%	352,155	355,765	3,609	7	3,600	355,741	-0,67%	8	-	-	-	9	6,100	355,616	-5,00%	10	7,600	355,541	15	-	-	16	-	-	17	-	-	18	-	-	33	12,892	352,013	3,2	3,5
230+10,000			33	- 12,138	352,475	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,500	9	- 6,100	355,575	-5,00%	8	-	-	-	7	- 3,600	355,700	-3,00%	352,419	355,808	3,389	7	3,600	355,792	-0,44%	8	-	-	-	9	6,100	355,667	-5,00%	10	7,600	355,592	15	-	-	16	-	-	17	-	-	18	-	-	33	12,588	352,266	3,0	3,3
231+0,000			33	- 11,812	352,747	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,555	9	- 6,100	355,630	-5,00%	8	-	-	-	7	- 3,600	355,755	-3,00%	352,635	355,863	3,227	7	3,600	355,855	-0,21%	8	-	-	-	9	6,100	355,730	-5,00%	10	7,600	355,655	15	-	-	16	-	-	17	-	-	18	-	-	33	12,344	352,492	2,8	3,2
231+9,255	TE		33	- 11,553	352,980	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,616	9	- 6,100	355,691	-5,00%	8	-	-	-	7	- 3,600	355,816	-3,00%	352,858	355,924	3,066	7	3,600	355,924	0,00%	8	-	-	-	9	6,100	355,799	-5,00%	10	7,600	355,724	15	-	-	16	-	-	17	-	-	18	-	-	33	12,099	352,724	2,6	3,0
232+0,000			33	- 11,292	353,238	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,699	9	- 6,100	355,774	-5,00%	8	-	-	-	7	- 3,600	355,899	-3,00%	353,143	356,007	2,864	7	3,600	356,016	0,25%	8	-	-	-	9	6,100	355,891	-5,00%	10	7,600	355,816	15	-	-	16	-	-	17	-	-	18	-	-	33	11,810	353,009	2,5	2,8
233+0,000			33	- 10,810	353,750	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	355,890	9	- 6,100	355,965	-5,00%	8	-	-	-	7	- 3,600	356,090	-3,00%	353,616	356,198	2,582	7	3,600	356,224	0,70%	8	-	-	-	9	6,100	356,099	-5,00%	10	7,600	356,024	15	-	-	16	-	-	17	-	-	18	-	-	33	11,432	353,469	2,1	2,6
234+0,000			33	- 10,646	354,097	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,128	9	- 6,100	356,203	-5,00%	8	-	-	-	7	- 3,600	356,328	-3,00%	354,043	356,436	2,393	7	3,600	356,478	1,16%	8	-	-	-	9	6,100	356,353	-5,00%	10	7,600	356,278	15	-	-	16	-	-	17	-	-	18	-	-	33	11,127	353,926	2,0	2,4
234+15,000		PTV	33	- 10,446	354,440	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,337	9	- 6,100	356,412	-5,00%	8	-	-	-	7	- 3,600	356,537	-3,00%	354,343	356,645	2,302	7	3,600	356,699	1,50%	8	-	-	-	9	6,100	356,574	-5,00%	10	7,600	356,499	15	-	-	16	-	-	17	-	-	18	-	-	33	10,904	354,296	1,9	2,2
235+0,000			33	- 10,375	354,561	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,411	9	- 6,100	356,486	-5,00%	8	-	-	-	7	- 3,600	356,611	-3,00%	354,442	356,719	2,277	7	3,600	356,777	1,62%	8	-	-	-	9	6,100	356,652	-5,00%	10	7,600	356,577	15	-	-	16	-	-	17	-	-	18	-	-	33	10,830	354,424	1,9	2,2
235+14,103			33	- 10,169	354,907	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,620	9	- 6,100	356,695	-5,00%	8	-	-	-	7	- 3,600	356,820	-3,00%	354,745	356,928	2,183	7	3,600	356,997	1,94%	8	-	-	-	9	6,100	356,872	-5,00%	10	7,600	356,797	15	-	-	16	-	-	17	-	-	18	-	-	33	10,733	354,709	1,7	2,1
236+0,000			33	- 10,080	355,053	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	356,707	9	- 6,100	356,782	-5,00%	8	-	-	-	7	- 3,600	356,907	-3,00%	354,875	357,015	2,140	7	3,600	357,089	2,07%	8	-	-	-	9	6,100	356,968	-4,87%	10	7,600	356,893	15	-	-	16	-	-	17	-	-	18	-	-	33	10,716	354,816	1,7	2,1
237+0,000			33	- 9,899	355,470	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	357,003	9	- 6,100	357,078	-5,00%	8	-	-	-	7	- 3,600	357,203	-3,00%	355,306	357,311	2,004	7	3,600	357,402	2,53%	8	-	-	-	9	6,100	357,291	-4,44%	10	7,600	357,216	15	-	-	16	-	-	17	-	-	18	-	-	33	10,628	355,197	1,5	2,0
238+0,000			33	- 9,817	355,821	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	357,299	9	- 6,100	357,374	-5,00%	8	-	-	-	7	- 3,600	357,499	-3,00%	355,729	357,607	1,878	7	3,600	357,714	2,99%	8	-	-	-	9	6,100	357,614	-4,01%	10	7,600	357,539	15	-	-	16	-	-	17	-	-	18	-	-	33	10,554	355,569	1,5	2,0
238+0,505			33	- 9,816	355,829	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	357,306	9	- 6,100	357,381	-5,00%	8	-	-	-	7	- 3,600	357,506	-3,00%	355,740	357,614	1,874	7	3,600	357,722	3,00%	8	-	-	-	9	6,100	357,622	-4,00%	10	7,600	357,547	15	-	-	16	-	-	17	-	-	18	-	-	33	10,553	355,579	1,5	2,0
238+9,255	EC		33	- 9,784	355,972	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	357,428	9	- 6,100	357,503	-5,00%	8	-	-	-	7	- 3,600	357,628	-3,20%	355,886	357,744	1,857	7	3,600	357,859	3,20%	8	-	-	-	9	6,100	357,764	-3,80%	10	7,600	357,689	15	-	-	16	-	-	17	-	-	18	-	-	33	10,481	355,768	1,5	1,9
239+0,000			33	- 9,809	356,115	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	357,587	9	- 6,100	357,662	-5,00%	8	-	-	-	7	- 3,600	357,787	-3,20%	356,028	357,903	1,875	7	3,600	358,018	3,20%	8	-	-	-	9	6,100	357,923	-3,80%	10	7,600	357,848	15	-	-	16	-	-	17	-	-	18	-	-	33	10,376	355,997	1,5	1,9
240+0,000			33	- 9,696	356,486	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	357,883	9	- 6,100	357,958	-5,00%	8	-	-	-	7	- 3,600	358,083	-3,20%	356,367	358,199	1,832	7	3,600	358,314	3,20%	8	-	-	-	9	6,100	358,219	-3,80%	10	7,600	358,144	15	-	-	16	-	-	17	-	-	18	-	-	33	10,350	356,310	1,4	1,8
241+0,000			33	- 9,550	356,879	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	358,179	9	- 6,100	358,254	-5,00%	8	-	-	-	7	- 3,600	358,379	-3,20%	356,736	358,494	1,759	7	3,600	358,610	3,20%	8	-	-	-	9	6,100	358,515	-3,80%	10	7,600	358,440	15	-	-	16	-	-	17	-	-	18	-	-	33	10,321	356,626	1,3	1,8
242+0,000			33	- 9,491	357,215	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	358,475	9	- 6,100	358,550	-5,00%	8	-	-	-	7	- 3,600	358,675	-3,20%	357,151	358,790	1,640	7	3,600	358,906	3,20%	8	-	-	-	9	6,100	358,811	-3,80%	10	7,600	358,736	15	-	-	16	-	-	17	-	-	18	-	-	33	10,244	356,973	1,3	1,8
243+0,000			33	- 9,442	357,543	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	358,771	9	- 6,100	358,846	-5,00%	8	-	-	-	7	- 3,600	358,971	-3,20%	357,466	359,086	1,620	7	3,600	359,202	3,20%	8	-	-	-	9	6,100	359,107	-3,80%	10	7,600	359,032	15	-	-	16	-	-	17	-	-	18	-	-	33	10,095	357,368	1,2	1,7
244+0,000			33	- 9,376	357,883	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	359,067	9	- 6,100	359,142	-5,00%	8	-	-	-	7	- 3,600	359,267	-3,20%	357,813	359,382	1,569	7	3,600	359,497	3,20%	8	-	-	-	9	6,100	359,402	-3,80%	10	7,600	359,327	15	-	-	16	-	-	17	-	-	18	-	-	33	10,036	357,704	1,2	1,6
244+12,507			33	- 9,291	358,125	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	359,252	9	- 6,100	359,327	-5,00%	8	-	-	-	7	- 3,600	359,452	-3,20%	358,038	359,567	1,530	7	3,600	359,683	3,20%	8	-	-	-	9	6,100	359,588	-3,80%	10	7,600	359,513	15	-	-	16	-	-	17	-	-	18	-	-	33	9,953	357,944	1,1	1,6
245+0,000			33	- 9,222	358,282	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	359,363	9	- 6,100	359,438	-5,00%	8	-	-	-	7	- 3,600	359,563	-3,20%	358,170	359,678	1,509	7	3,600	359,793	3,20%	8	-	-	-	9	6,100	359,698	-3,80%	10	7,600	359,623	15	-	-	16	-	-	17	-	-	18	-	-	33	9,877	358,105	1,1	1,5
246+0,000			33	- 9,121	358,645	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	359,659	9	- 6,100	359,734	-5,00%	8	-	-	-	7	- 3,600	359,859	-3,20%	358,643	359,974	1,331	7	3,600	360,089	3,20%	8	-	-	-	9	6,100	359,994	-3,80%	10	7,600	359,919	15	-	-	16	-	-	17	-	-	18	-	-	33	9,638	358,561	1,0	1,4
247+0,000			33	- 8,917	359,077	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	359,955	9	- 6,100	360,030	-5,00%	8	-	-	-	7	- 3,600	360,155	-3,20%	359,020	360,270	1,250	7	3,600	360,385	3,20%	8	-	-	-	9	6,100	360,290	-3,80%	10	7,600	360,215	15	-	-	16	-	-	17	-	-	18	-	-	33	9,481	358,961	0,9	1,3
248+0,000			33	- 8,802	359,450	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	360,251	9	- 6,100	360,326	-5,00%	8	-	-	-	7	- 3,600	360,451	-3,20%	359,418	360,566	1,148	7	3,600	360,681	3,20%	8	-	-	-	9	6,100	360,586	-3,80%	10	7,600	360,511	15	-	-	16	-	-	17	-	-	18	-	-	33	9,334	359,355	0,8	1,2
249+0,000			33	- 8,665	359,836	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	360,547	9	- 6,100	360,622	-5,00%	8	-	-	-	7	- 3,600	360,747	-3,20%	359,769	360,862	1,093	7	3,600	360,977	3,20%	8	-	-	-	9	6,100	360,882	-3,80%	10	7,600	360,807	15	-	-	16	-	-	17	-	-	18	-	-	33	9,301	359,673	0,7	1,1
249+5,000		PCV	33	- 8,633	359,932	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	360,621	9	- 6,100	360,696	-5,00%	8	-	-	-	7	- 3,600	360,821	-3,20%	359,855	360,936	1,081	7	3,600	361,051	3,20%	8	-	-	-	9	6,100	360,956	-3,80%	10	7,600	360,881	15	-	-	16	-	-	17	-	-	18	-	-	33	9,290	359,754	0,7	1,1
250+0,000			33	- 8,518	360,243	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	360,854	9	- 6,100	360,929	-5,00%	8	-	-	-	7	- 3,600	361,054	-3,20%	360,183	361,170	0,986	7	3,600	361,285	3,20%	8	-	-	-	9	6,100	361,190	-3,80%	10	7,600	361,115	15	-	-	16	-	-	17	-	-	18	-	-	33	9,181	360,061	0,6	1,1
250+15,759	CE		33	- 8,487	360,534	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	361,126	9	- 6,100	361,201	-5,00%	8	-	-	-	7	- 3,600	361,326	-3,20%	360,480	361,441	0,961	7	3,600	361,556	3,20%	8	-	-	-	9	6,100	361,461	-3,80%	10	7,600	361,386	15	-	-	16	-	-	17	-	-	18	-	-	33	9,124	360,370	0,6	1,0
251+0,000			33	- 8,494	360,610	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	361,207	9	- 6,100	361,282	-5,00%	8	-	-	-	7	- 3,600	361,407	-3,10%	360,555	361,518	0,964	7	3,600	361,630	3,10%	8	-	-	-	9	6,100	361,533	-3,90%	10	7,600	361,458	15	-	-	16	-	-	17	-	-	18	-	-	33	9,110	360,451	0,6	1,0
251+5,000			33	- 8,505	360,700	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	361,304	9	- 6,100	361,379	-5,00%	8	-	-	-	7	- 3,600	361,504	-3,00%	360,643	361,612	0,969	7	3,600	361,720	2,99%	8	-	-	-	9	6,100	361,619	-4,01%	10	7,600	361,544	15	-	-	16	-	-	17	-	-	18	-	-	33	9,093	360,549	0,6	1,0
251+4,509			33	- 8,504	360,692	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	361,295	9	- 6,100	361,370	-5,00%	8	-	-	-	7	- 3,600	361,495	-3,00%	360,634	361,603	0,969	7	3,600	361,711	3,00%	8	-	-	-	9	6,100	361,611	-4,00%	10	7,600	361,536	15	-	-	16	-	-	17	-	-	18	-	-	33	9,098	360,537	0,6	1,0
252+0,000			33	- 8,453	361,032	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	361,601	9	- 6,100	361,676	-5,00%	8	-	-	-	7	- 3,600	361,801	-3,00%	361,082	361,909	0,827	7	3,600	362,004	2,65%	8	-	-	-	9	6,100	361,896	-4,33%	10	7,600	361,821	15	-	-	16	-	-	17	-	-	18	-	-	33	8,959	360,915	0,6	0,9
253+0,000			33	- 8,560	361,493	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	362,109	-5,00%	8	-	-	-	7	- 3,600	362,234	-3,00%	361,452	362,342	0,889	7	3,600	362,420	2,19%	8	-	-	-	9	6,100	362,301	-4,76%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	10,060	361,311	0,6	1,0
253+5,000			33	- 8,569	361,606	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	362,223	-5,00%	8	-	-	-	7	- 3,600	362,348	-3,00%	361,533	362,456	0,923	7	3,600	362,531	2,07%	8	-	-	-	9	6,100	362,409	-4,87%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	10,092	361,411	0,6	1,0
253+10,910			33	- 8,661	361,720	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	362,361	-5,00%	8	-	-	-	7	- 3,600	362,486	-3,00%	361,656	362,594	0,938	7	3,600	362,663	1,94%	8	-	-	-	9	6,100	362,538	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	9,995	361,565	0,6	1,0
254+0,000			33	- 8,848	361,885	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	362,572	-5,00%	8	-	-	-	7	- 3,600	362,697	-3,00%	361,846	362,805	0,959	7	3,600	362,867	1,73%	8	-	-	-	9	6,100	362,742	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	9,865	361,801	0,7	0,9
254+19,237			33	- 8,936	362,309	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	363,018	-5,00%	8	-	-	-	7	- 3,600	363,143	-3,00%	362,286	363,251	0,966	7	3,600	363,298	1,29%	8	-	-	-	9	6,100	363,173	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	10,042	362,187	0,7	1,0
255+0,000			33	- 8,935	362,327	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	363,036	-5,00%	8	-	-	-	7	- 3,600	363,161	-3,00%	362,304	363,269	0,965	7	3,600	363,315	1,27%	8	-	-	-	9	6,100	363,190	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	10,056	362,201	0,7	1,0
256+0,000			33	- 8,931	362,793	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	363,500	-5,00%	8	-	-	-	7	- 3,600	363,625	-3,00%	362,759	363,733	0,974	7	3,600	363,763	0,82%	8	-	-	-	9	6,100	363,638	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	9,819	362,708	0,7	0,9
257+0,000			33	- 9,207	363,188	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	363,965	-5,00%	8	-	-	-	7	- 3,600	364,090	-3,00%	363,153	364,198	1,045	7	3,600	364,210	0,36%	8	-	-	-	9	6,100	364,085	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	10,209	363,058	0,8	1,0
257+15,759	ET		33	- 9,062	363,590	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	364,330	-5,00%	8	-	-	-	7	- 3,600	364,455	-3,00%	363,477	364,563	1,087	7	3,600	364,563	0,00%	8	-	-	-	9	6,100	364,438	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	10,214	363,410	0,7	1,0
258+0,000			33	- 8,984	363,708	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	364,429	-5,00%	8	-	-	-	7	- 3,600	364,554	-3,00%	363,567	364,662	1,095	7	3,600	364,658	-0,10%	8	-	-	-	9	6,100	364,533	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	10,175	363,515	0,7	1,0
259+0,000			33	- 9,397	364,069	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	364,893	-5,00%	8	-	-	-	7	- 3,600	365,018	-3,00%	364,028	365,126	1,098	7	3,600	365,106	-0,55%	8	-	-	-	9	6,100	364,981	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	9,858	364,042	0,8	0,9
260+0,000			33	- 9,534	364,499	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	365,357	-5,00%	8	-	-	-	7	- 3,600	365,482	-3,00%	364,490	365,590	1,100	7	3,600	365,554	-1,01%	8	-	-	-	9	6,100	365,429	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	10,071	364,436	0,9	1,0
261+0,000			33	- 9,336	365,013	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	365,822	-5,00%	8	-	-	-	7	- 3,600	365,947	-3,00%	364,980	366,055	1,075	7	3,600	366,002	-1,47%	8	-	-	-	9	6,100	365,877	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	9,835	364,943	0,8	0,9
262+0,000			33	- 9,291	365,488	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	366,286	-5,00%	8	-	-	-	7	- 3,600	366,411	-3,00%	365,434	366,519	1,085	7	3,600	366,450	-1,93%	8	-	-	-	9	6,100	366,325	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	9,874	365,381	0,8	0,9
263+0,000			33	- 9,198	365,976	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	366,750	-5,00%	8	-	-	-	7	- 3,600	366,875	-3,00%	365,939	366,983	1,044	7	3,600	366,898	-2,38%	8	-	-	-	9	6,100	366,773	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	9,673	365,879	0,8	0,9
264+0,000			33	- 9,225	366,434	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	367,215	-5,00%	8	-	-	-	7	- 3,600	367,340	-3,00%	366,405	367,448	1,043	7	3,600	367,345	-2,84%	8	-	-	-	9	6,100	367,220	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	9,470	366,378	0,8	0,8
264+7,009			33	- 9,161	366,612	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	367,377	-5,00%	8	-	-	-	7	- 3,600	367,502	-3,00%	366,571	367,610	1,040	7	3,600	367,502	-3,00%	8	-	-	-	9	6,100	367,377	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	9,481	366,532	0,8	0,8
265+0,000			33	- 8,931	366,971	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	367,679	-5,00%	8	-	-	-	7	- 3,600	367,804	-3,00%	366,924	367,912	0,988	7	3,600	367,804	-3,00%	8	-	-	-	9	6,100	367,679	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	9,705	366,778	0,7	0,9
266+0,000			33	- 8,606	367,517	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	- 6,100	368,143	-5,00%	8	-	-	-	7	- 3,600	368,268	-3,00%	367,422	368,376	0,954	7	3,600	368,268	-3,00%	8	-	-	-	9	6,100	368,143	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	9,168	367,376	0,6	0,8
267+0,000			33	- 8,369	368,020	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	368,533	9	- 6,100	368,608	-5,00%	8	-	-	-	7	- 3,600	368,733	-3,00%	367,932	368,841	0,909	7	3,600	368,733	-3,00%	8	-	-	-	9	6,100	368,608	-5,00%	10	7,600	368,533	15	-	-	16	-	-	17	-	-	18	-	-	33	8,496	367,935	0,5	0,6
268+0,000			33	- 8,331	368,509	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	368,997	9	- 6,100	369,072	-5,00%	8	-	-	-	7	- 3,600	369,197	-3,00%	368,509	369,305	0,796	7	3,600	369,197	-3,00%	8	-	-	-	9	6,100	369,072	-5,00%	10	7,600	368,997	15	-	-	16	-	-	17	-	-	18	-	-	33	8,330	368,510	0,5	0,5
268+7,880			33	- 8,247	368,748	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	369,180	9	- 6,100	369,255	-5,00%	8	-	-	-	7	- 3,600	369,380	-3,00%	368,670	369,488	0,818	7	3,600	369,380	-3,00%	8	-	-	-	9	6,100	369,255	-5,00%	10	7,600	369,180	15	-	-	16	-	-	17	-	-	18	-	-	33	8,270	368,733	0,4	0,4
269+0,000			33	- 8,231	369,040	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	369,461	9	- 6,100	369,536	-5,00%	8	-	-	-	7	- 3,600	369,661	-3,00%	368,944	369,769	0,825	7	3,600	369,661	-3,00%	8	-	-	-	9	6,100	369,536	-5,00%	10	7,600	369,461	15	-	-	16	-	-	17	-	-	18	-	-	33	8,206	369,057	0,4	0,4
270+0,000			33	- 7,984	369,670	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	369,925	9	- 6,100	370,000	-5,00%	8	-	-	-	7	- 3,600	370,125	-3,00%	369,603	370,233	0,631	7	3,600	370,125	-3,00%	8	-	-	-	9	6,100	370,000	-5,00%	10	7,600	369,925	15	-	-	16	-	-	17	-	-	18	-	-	33	8,206	369,521	0,3	0,4
271+0,000			33	- 7,877	370,205	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	370,390	9	- 6,100	370,465	-5,00%	8	-	-	-	7	- 3,600	370,590	-3,00%	370,053	370,698	0,645	7	3,600	370,590	-3,00%	8	-	-	-	9	6,100	370,465	-5,00%	10	7,600	370,390	15	-	-	16	-	-	17	-	-	18	-	-	33	8,155	370,020	0,2	0,4
272+0,000			33	- 7,868	370,675	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	370,854	9	- 6,100	370,929	-5,00%	8	-	-	-	7	- 3,600	371,054	-3,00%	370,530	371,162	0,632	7	3,600	371,054	-3,00%	8	-	-	-	9	6,100	370,929	-5,00%	10	7,600	370,854	15	-	-	16	-	-	17	-	-	18	-	-	33	8,018	370,575	0,2	0,3
272+11,393			33	- 7,716	371,041	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	371,119	9	- 6,100	371,194	-5,00%	8	-	-	-	7	- 3,600	371,319	-3,00%	370,913	371,427	0,513	7	3,600	371,319	-3,00%	8	-	-	-	9	6,100	371,194	-5,00%	10	7,600	371,119	15	-	-	16	-	-	17	-	-	18	-	-	33	7,917	370,907	0,1	0,2

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA – Talude			Fim da Segunda Berma			Inicio da Segunda Berma			Fim da Primeira Berma			Inicio da Primeira Berma / Encontro de Talude			Fundo canaleta / Barreira			Acostamento / Faixa de Segurança / Concordância de Pista				Faixa de Aceleração ou Desaceleração				Bordo da pista				COTAS DE EIXO – Terreno Natural	Projeto	Cota vermelha	LADO DIREITO – PLATAFORMA ACABADA – Bordo da pista				Faixa de Aceleração ou Desaceleração				Acostamento / Faixa de Segurança / Concordância de Pista				Fundo canaleta / Barreira			Inicio da Primeira Berma / Encontro de Talude			Fim da Primeira Berma			Inicio da Segunda Berma			Fim da Segunda Berma			Talude			ALTURAS DOS TALUDES – LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota		
273+0,000			33	- 7,643	371,348	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	371,019	9	- 6,100	371,394	-5,00%	8	-	-	-	7	- 3,600	371,519	-3,00%	371,255	371,627	0,373	7	3,600	371,519	-3,00%	8	-	-	-	9	6,100	371,394	-5,00%	10	7,600	371,319	15	-	-	16	-	-	17	-	-	18	-	-	33	7,842	371,158	-0,3	0,2
274+0,000			33	- 8,174	372,058	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	371,485	9	- 6,100	371,860	-5,00%	8	-	-	-	7	- 3,600	371,985	-3,00%	371,873	372,093	0,220	7	3,600	371,985	-3,00%	8	-	-	-	9	6,100	371,860	-5,00%	10	7,600	371,785	15	-	-	16	-	-	17	-	-	18	-	-	33	7,612	371,793	-0,6	0,0
275+0,000			33	- 8,079	372,429	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	371,950	9	- 6,100	372,325	-5,00%	8	-	-	-	7	- 3,600	372,450	-3,00%	372,393	372,558	0,165	7	3,600	372,450	-3,00%	8	-	-	-	9	6,100	372,325	-5,00%	10	7,600	372,250	15	-	-	16	-	-	17	-	-	18	-	-	33	7,940	372,291	-0,5	0,0
276+0,000			33	- 8,117	372,933	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	372,415	9	- 6,100	372,790	-5,00%	8	-	-	-	7	- 3,600	372,915	-3,00%	372,942	373,023	0,082	7	3,600	372,915	-3,00%	8	-	-	-	9	6,100	372,790	-5,00%	10	7,600	372,415	15	-	-	16	-	-	17	-	-	18	-	-	33	8,075	372,890	-0,5	-0,5
277+0,000			33	- 8,281	373,562	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	372,881	9	- 6,100	373,256	-5,00%	8	-	-	-	7	- 3,600	373,381	-3,00%	373,501	373,489	-0,012	7	3,600	373,381	-3,00%	8	-	-	-	9	6,100	373,256	-5,00%	10	7,600	372,881	15	-	-	16	-	-	17	-	-	18	-	-	33	8,160	373,441	-0,7	-0,6
278+0,000			33	- 8,369	374,115	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	373,346	9	- 6,100	373,721	-5,00%	8	-	-	-	7	- 3,600	373,846	-3,00%	374,060	373,954	-0,106	7	3,600	373,846	-3,00%	8	-	-	-	9	6,100	373,721	-5,00%	10	7,600	373,346	15	-	-	16	-	-	17	-	-	18	-	-	33	8,333	374,079	-0,8	-0,7
279+0,000			33	- 8,438	374,650	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	373,812	9	- 6,100	374,187	-5,00%	8	-	-	-	7	- 3,600	374,312	-3,00%	374,674	374,420	-0,255	7	3,600	374,312	-3,00%	8	-	-	-	9	6,100	374,187	-5,00%	10	7,600	373,812	15	-	-	16	-	-	17	-	-	18	-	-	33	8,404	374,616	-0,8	-0,8
280+0,000			33	- 8,535	375,212	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	374,277	9	- 6,100	374,652	-5,00%	8	-	-	-	7	- 3,600	374,777	-3,00%	375,171	374,885	-0,286	7	3,600	374,777	-3,00%	8	-	-	-	9	6,100	374,652	-5,00%	10	7,600	374,277	15	-	-	16	-	-	17	-	-	18	-	-	33	8,472	375,149	-0,9	-0,9
281+0,000			33	- 8,625	375,768	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	374,742	9	- 6,100	375,117	-5,00%	8	-	-	-	7	- 3,600	375,242	-3,00%	375,686	375,350	-0,335	7	3,600	375,242	-3,00%	8	-	-	-	9	6,100	375,117	-5,00%	10	7,600	374,742	15	-	-	16	-	-	17	-	-	18	-	-	33	8,452	375,594	-1,0	-0,9
282+0,000			33	- 8,710	376,318	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	375,208	9	- 6,100	375,583	-5,00%	8	-	-	-	7	- 3,600	375,708	-3,00%	376,210	375,816	-0,394	7	3,600	375,708	-3,00%	8	-	-	-	9	6,100	375,583	-5,00%	10	7,600	375,208	15	-	-	16	-	-	17	-	-	18	-	-	33	8,593	376,201	-1,1	-1,0
283+0,000			33	- 8,717	376,790	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	375,673	9	- 6,100	376,048	-5,00%	8	-	-	-	7	- 3,600	376,173	-3,00%	376,728	376,281	-0,447	7	3,600	376,173	-3,00%	8	-	-	-	9	6,100	376,048	-5,00%	10	7,600	375,673	15	-	-	16	-	-	17	-	-	18	-	-	33	8,618	376,691	-1,1	-1,0
284+0,000			33	- 8,798	377,336	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	376,139	9	- 6,100	376,514	-5,00%	8	-	-	-	7	- 3,600	376,639	-3,00%	377,231	376,747	-0,485	7	3,600	376,639	-3,00%	8	-	-	-	9	6,100	376,514	-5,00%	10	7,600	376,139	15	-	-	16	-	-	17	-	-	18	-	-	33	8,665	377,204	-1,2	-1,1
285+0,000			33	- 8,870	377,874	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	376,604	9	- 6,100	376,979	-5,00%	8	-	-	-	7	- 3,600	377,104	-3,00%	377,734	377,212	-0,522	7	3,600	377,104	-3,00%	8	-	-	-	9	6,100	376,979	-5,00%	10	7,600	376,604	15	-	-	16	-	-	17	-	-	18	-	-	33	8,694	377,698	-1,3	-1,1
286+0,000			33	- 8,832	378,301	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	377,069	9	- 6,100	377,444	-5,00%	8	-	-	-	7	- 3,600	377,569	-3,00%	378,300	377,677	-0,622	7	3,600	377,569	-3,00%	8	-	-	-	9	6,100	377,444	-5,00%	10	7,600	377,069	15	-	-	16	-	-	17	-	-	18	-	-	33	8,769	378,239	-1,2	-1,2
287+0,000			33	- 8,810	378,745	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	377,535	9	- 6,100	377,910	-5,00%	8	-	-	-	7	- 3,600	378,035	-3,00%	378,721	378,143	-0,578	7	3,600	378,035	-3,00%	8	-	-	-	9	6,100	377,910	-5,00%	10	7,600	377,535	15	-	-	16	-	-	17	-	-	18	-	-	33	8,805	378,740	-1,2	-1,2
288+0,000			33	- 8,750	379,150	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	378,000	9	- 6,100	378,375	-5,00%	8	-	-	-	7	- 3,600	378,500	-3,00%	379,180	378,608	-0,572	7	3,600	378,500	-3,00%	8	-	-	-	9	6,100	378,375	-5,00%	10	7,600	378,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,716	379,116	-1,1	-1,1
289+0,000			33	- 8,930	379,796	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	378,466	9	- 6,100	378,841	-5,00%	8	-	-	-	7	- 3,600	378,966	-3,00%	379,615	379,074	-0,541	7	3,600	378,966	-3,00%	8	-	-	-	9	6,100	378,841	-5,00%	10	7,600	378,466	15	-	-	16	-	-	17	-	-	18	-	-	33	8,666	379,532	-1,3	-1,1
290+0,000			33	- 8,888	380,219	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	378,931	9	- 6,100	379,306	-5,00%	8	-	-	-	7	- 3,600	379,431	-3,00%	380,325	379,539	-0,786	7	3,600	379,431	-3,00%	8	-	-	-	9	6,100	379,306	-5,00%	10	7,600	378,931	15	-	-	16	-	-	17	-	-	18	-	-	33	8,812	380,143	-1,3	-1,2
291+0,000			33	- 8,749	380,546	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	379,396	9	- 6,100	379,771	-5,00%	8	-	-	-	7	- 3,600	379,896	-3,00%	380,627	380,004	-0,622	7	3,600	379,896	-3,00%	8	-	-	-	9	6,100	379,771	-5,00%	10	7,600	379,396	15	-	-	16	-	-	17	-	-	18	-	-	33	8,788	380,584	-1,1	-1,2
291+15,000		PCV	33	- 8,686	380,832	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	379,746	9	- 6,100	380,121	-5,00%	8	-	-	-	7	- 3,600	380,246	-3,00%	380,878	380,354	-0,525	7	3,600	380,246	-3,00%	8	-	-	-	9	6,100	380,121	-5,00%	10	7,600	379,746	15	-	-	16	-	-	17	-	-	18	-	-	33	8,677	380,822	-1,1	-1,1
292+0,000			33	- 8,687	380,948	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	379,861	9	- 6,100	380,236	-5,00%	8	-	-	-	7	- 3,600	380,361	-3,00%	380,990	380,469	-0,521	7	3,600	380,361	-3,00%	8	-	-	-	9	6,100	380,236	-5,00%	10	7,600	379,861	15	-	-	16	-	-	17	-	-	18	-	-	33	8,654	380,915	-1,1	-1,1
293+0,000			33	- 8,676	381,380	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	380,304	9	- 6,100	380,679	-5,00%	8	-	-	-	7	- 3,600	380,804	-3,00%	381,402	380,912	-0,491	7	3,600	380,804	-3,00%	8	-	-	-	9	6,100	380,679	-5,00%	10	7,600	380,304	15	-	-	16	-	-	17	-	-	18	-	-	33	8,650	381,353	-1,1	-1,0
294+0,000			33	- 8,558	381,674	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	380,716	9	- 6,100	381,091	-5,00%	8	-	-	-	7	- 3,600	381,216	-3,00%	381,719	381,324	-0,395	7	3,600	381,216	-3,00%	8	-	-	-	9	6,100	381,091	-5,00%	10	7,600	380,716	15	-	-	16	-	-	17	-	-	18	-	-	33	8,582	381,698	-1,0	-1,0
295+0,000			33	- 8,458	381,956	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	381,098	9	- 6,100	381,473	-5,00%	8	-	-	-	7	- 3,600	381,598	-3,00%	381,962	381,706	-0,256	7	3,600	381,598	-3,00%	8	-	-	-	9	6,100	381,473	-5,00%	10	7,600	381,098	15	-	-	16	-	-	17	-	-	18	-	-	33	8,532	382,030	-0,9	-0,9
296+0,000			33	- 8,397	382,247	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	381,450	9	- 6,100	381,825	-5,00%	8	-	-	-	7	- 3,600	381,950	-3,00%	382,338	382,058	-0,280	7	3,600	381,950	-3,00%	8	-	-	-	9	6,100	381,825	-5,00%	10	7,600	381,450	15	-	-	16	-	-	17	-	-	18	-	-	33	8,546	382,396	-0,8	-0,9
296+15,000			33	- 8,362	382,456	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	381,694	9	- 6,100	382,069	-5,00%	8	-	-	-	7	- 3,600	382,194	-3,00%	382,613	382,302	-0,311	7	3,600	382,194	-3,00%	8	-	-	-	9	6,100	382,069	-5,00%	10	7,600	381,694	15	-	-	16	-	-	17	-	-	18	-	-	33	8,510	382,604	-0,8	-0,9
297+0,000			33	- 8,355	382,526	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	381,772	9	- 6,100	382,147	-5,00%	8	-	-	-	7	- 3,600	382,272	-3,00%	382,698	382,380	-0,318	7	3,600	382,272	-3,00%	8	-	-	-	9	6,100	382,147	-5,00%	10	7,600	381,772	15	-	-	16	-	-	17	-	-	18	-	-	33	8,486	382,657	-0,8	-0,9
298+0,000			33	- 8,434	382,897	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	382,063	9	- 6,100	382,438	-5,00%	8	-	-	-	7	- 3,600	382,563	-3,00%	382,888	382,671	-0,217	7	3,600	382,563	-3,00%	8	-	-	-	9	6,100	382,438	-5,00%	10	7,600	382,063	15	-	-	16	-	-	17	-	-	18	-	-	33	8,474	382,937	-0,8	-0,9
299+0,000			33	- 8,342	383,066	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	382,324	9	- 6,100	382,699	-5,00%	8	-	-	-	7	- 3,600	382,824	-3,00%	383,126	382,932	-0,195	7	3,600	382,824	-3,00%	8	-	-	-	9	6,100	382,699	-5,00%	10	7,600	382,324	15	-	-	16	-	-	17	-	-	18	-	-	33	8,420	383,144	-0,7	-0,8
300+0,000			33	- 8,255	383,209	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	382,555	9	- 6,100	382,930	-5,00%	8	-	-	-	7	- 3,600	383,055	-3,00%	383,267	383,163	-0,104	7	3,600	383,055	-3,00%	8	-	-	-	9	6,100	382,930	-5,00%	10	7,600	382,555	15	-	-	16	-	-	17	-	-	18	-	-	33	8,358	383,313	-0,7	-0,8
301+0,000			33	- 8,238	383,393	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	382,755	9	- 6,100	383,130	-5,00%	8	-	-	-	7	- 3,600	383,255	-3,00%	383,463	383,363	-0,100	7	3,600	383,255	-3,00%	8	-	-	-	9	6,100	383,130	-5,00%	10	7,600	382,755	15	-	-	16	-	-	17	-	-	18	-	-	33	8,310	383,465	-0,6	-0,7
301+15,000		PTV	33	- 8,220	383,505	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	382,886	9	- 6,100	383,261	-5,00%	8	-	-	-	7	- 3,600	383,386	-3,00%	383,564	383,494	-0,071	7	3,600	383,386	-3,00%	8	-	-	-	9	6,100	383,261	-5,00%	10	7,600	382,886	15	-	-	16	-	-	17	-	-	18	-	-	33	8,295	383,580	-0,6	-0,7
302+0,000			33	- 8,206	383,532	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	382,926	9	- 6,100	383,301	-5,00%	8	-	-	-	7	- 3,600	383,426	-3,00%	383,585	383,534	-0,050	7	3,600	383,426	-3,00%	8	-	-	-	9	6,100	383,301	-5,00%	10	7,600	382,926	15	-	-	16	-	-	17	-	-	18	-	-	33	8,289	383,615	-0,6	-0,7
303+0,000			33	- 8,080	383,569	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	383,089	9	- 6,100	383,464	-5,00%	8	-	-	-	7	- 3,600	383,589	-3,00%	383,690	383,697	0,007	7	3,600	383,589	-3,00%	8	-	-	-	9	6,100	383,464	-5,00%	10	7,600	383,089	15	-	-	16	-	-	17	-	-	18	-	-	33	8,258	383,747	-0,5	-0,7
304+0,000			33	- 8,012	383,663	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	383,251	9	- 6,100	383,626	-5,00%	8	-	-	-	7	- 3,600	383,751	-3,00%	383,773	383,859	0,087	7	3,600	383,751	-3,00%	8	-	-	-	9	6,100	383,626	-5,00%	10	7,600	383,251	15	-	-	16	-	-	17	-	-	18	-	-	33	8,174	383,825	-0,4	-0,6
305+0,000			33	- 7,922	383,736	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	383,414	9	- 6,100	383,789	-5,00%	8	-	-	-	7	- 3,600	383,914	-3,00%	383,837	384,022	0,185	7	3,600	383,914	-3,00%	8	-	-	-	9	6,100	383,789	-5,00%	10	7,600	383,414	15	-	-	16	-	-	17	-	-	18	-	-	33	8,168	383,982	-0,3	-0,6
306+0,000			33	- 7,688	383,818	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	383,877	9	- 6,100	383,952	-5,00%	8	-	-	-	7	- 3,600	384,077	-3,00%	383,921	384,185	0,264	7	3,600	384,077	-3,00%	8	-	-	-	9	6,100	383,952	-5,00%	10	7,600	383,577	15	-	-	16	-	-	17	-	-	18	-	-	33	7,999	383,976	0,1	-0,4
307+0,000			33	- 7,903	383,838	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	384,039	9	- 6,100	384,114	-5,00%	8	-	-	-	7	- 3,600	384,239	-3,00%	383,996	384,347	0,351	7	3,600	384,239	-3,00%	8	-	-	-	9	6,100	384,114	-5,00%	10	7,600	383,739	15	-	-	16	-	-	17	-	-	18	-	-	33	7,926	384,065	0,2	-0,3
308+0,000			33	- 8,122	383,854	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	384,202	9	- 6,100	384,277	-5,00%	8	-	-	-	7	- 3,600	384,402	-3,00%	384,026	384,510	0,484	7	3,600	384,402	-3,00%	8	-	-	-	9	6,100	384,277	-5,00%	10	7,600	383,902	15	-	-	16	-	-	17	-	-	18	-	-	33	7,907	384,209	0,3	-0,3
309+0,000			33	- 8,294	383,902	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	384,365	9	- 6,100	384,440	-5,00%	8	-	-	-	7	- 3,600	384,565	-3,00%	384,083	384,673	0,590	7	3,600	384,565	-3,00%	8	-	-	-	9	6,100	384,440	-5,00%	10	7,600	384,365	15	-	-	16	-	-	17	-	-	18	-	-	33	7,995	384,101	0,5	0,3
310+0,000			33	- 8,450	383,960	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	384,527	9	- 6,100	384,602	-5,00%	8	-	-	-	7	- 3,600	384,727	-3,00%	384,155	384,835	0,680	7	3,600	384,727	-3,00%	8	-	-	-	9	6,100	384,602	-5,00%	10	7,600	384,527	15	-	-	16	-	-	17	-	-	18	-	-	33	8,081	384,206	0,6	0,3
311+0,000			33	- 8,615	384,013	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	384,690	9	- 6,100	384,765	-5,00%	8	-	-	-	7	- 3,600	384,890	-3,00%	384,228	384,998	0,770	7	3,600	384,890	-3,00%	8	-	-	-	9	6,100	384,765	-5,00%	10	7,600	384,690	15	-	-	16	-	-	17	-	-	18	-	-	33	8,111	384,349	0,7	0,3
312+0,000			33	- 8,732	384,098	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	384,852	9	- 6,100	384,927	-5,00%	8	-	-	-	7	- 3,600	385,052	-3,00%	384,341	385,160	0,819	7	3,600	385,052	-3,00%	8	-	-	-	9	6,100	384,927	-5,00%	10	7,600	384,852	15	-	-	16	-	-	17	-	-	18	-	-	33	8,255	384,416	0,8	0,4
313+0,000			33	- 8,783	384,226	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	385,015	9	- 6,100	385,090	-5,00%	8	-	-	-	7	- 3,600	385,215	-3,00%	384,454	385,323	0,869	7	3,600	385,215	-3,00%	8	-	-	-	9	6,100	385,090	-5,00%	10	7,600	385,015	15	-	-	16	-	-	17	-	-	18	-	-	33	8,343	384,520	0,8	0,5
314+0,000			33	- 8,955	384,274	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	385,178	9	- 6,100	385,253	-5,00%	8	-	-	-	7	- 3,600	385,378	-3,00%	384,473	385,486	1,013	7	3,600	385,378	-3,00%	8	-	-	-	9	6,100	385,253	-5,00%	10	7,600	385,178	15	-	-	16	-	-	17	-	-	18	-	-	33	8,313	384,702	0,9	0,5
315+0,000			33	- 8,780	384,554	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	385,340	9	- 6,100	385,415	-5,00%	8	-	-	-	7	- 3,600	385,540	-3,00%	384,678	385,648	0,970	7	3,600	385,540	-3,00%	8	-	-	-	9	6,100	385,415	-5,00%	10	7,600	385,340	15	-	-	16	-	-	17	-	-	18	-	-	33	8,411	384,800	0,8	0,5
316+0,000			33	- 9,014	384,560	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	385,503	9	- 6,100	385,578	-5,00%	8	-	-	-	7	- 3,600	385,703	-3,00%	384,741	385,811	1,069	7	3,600	385,703	-3,00%	8	-	-	-	9	6,100	385,578	-5,00%	10	7,600	385,503	15	-	-	16	-	-	17	-	-	18	-	-	33	8,556	384,866	0,9	0,6
317+0,000			33	- 9,065	384,689	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	385,665	9	- 6,100	385,740	-5,00%	8	-	-	-	7	- 3,600	385,865	-3,00%	384,865	385,973	1,109	7	3,600	385,865	-3,00%	8	-	-	-	9	6,100	385,740	-5,00%	10	7,600	385,665	15	-	-	16	-	-	17	-	-	18	-	-	33	8,547	385,034	1,0	0,6
318+0,000			33	- 9,005	384,891	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	385,828	9	- 6,100	385,903	-5,00%	8	-	-	-	7	- 3,600	386,028	-3,00%	384,955	386,136	1,181	7	3,600	386,028	-3,00%	8	-	-	-	9	6,100	385,903	-5,00%	10	7,600	385,828	15	-	-	16	-	-	17	-	-	18	-	-	33	8,643	385,132	0,9	0,7
319+0,000			33	- 9,180	384,937	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	385,991	9	- 6,100	386,066	-5,00%	8	-	-	-	7	- 3,600	386,191	-3,00%	385,247	386,299	1,052	7	3,600	386,191	-3,00%	8	-	-	-	9	6,100	386,066	-5,00%	10	7,600	385,991	15	-	-	16	-	-	17	-	-	18	-	-	33	8,659	385,285	1,1	0,7
320+0,000			33	- 9,165	385,110	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,153	9	- 6,100	386,228	-5,00%	8	-	-	-	7	- 3,600	386,353	-3,00%	385,252	386,461	1,209	7	3,600	386,353	-3,00%	8	-	-	-	9	6,100	386,228	-5,00%	10	7,600	386,153	15	-	-	16	-	-	17	-	-	18	-	-	33	8,570	385,507	1,0	0,6
320+17,085			33	- 9,093	385,297	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,292	9	- 6,100	386,367	-5,00%	8	-	-	-	7	- 3,600	386,492	-3,00%	385,416	386,600	1,184	7	3,600	386,492	-3,00%	8	-	-	-	9	6,100	386,367	-5,00%	10	7,600	386,292	15	-	-	16	-	-	17	-	-	18	-	-	33	7,813	386,150	1,0	0,1
321+0,000			33	- 9,095	385,320	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,316	9	- 6,100	386,391	-5,00%	8	-	-	-	7	- 3,600	386,516	-3,00%	385,465	386,624	1,159	7	3,600	386,516	-3,00%	8	-	-	-	9	6,100	386,391	-5,00%	10	7,600	386,316	15	-	-	16	-	-	17	-	-	18	-	-	33	8,060	386,009	1,0	0,3
321+12,085			33	- 9,066	385,437	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,414	9	- 6,100	386,489	-5,00%	8	-	-	-	7	- 3,600	386,614	-3,00%	385,618	386,722	1,104	7	3,600	386,614	-3,00%	8	-	-	-	9	6,100	386,489	-5,00%	10	7,600	386,414	15	-	-	16	-	-	17	-	-	18	-	-	33	8,512	385,806	1,0	0,6
322+0,000			33	- 9,037	385,521	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,478	9	- 6,100	386,553	-5,00%	8	-	-	-	7	- 3,600	386,678	-3,00%	385,690	386,786	1,096	7	3,600	386,678	-3,00%	8	-	-	-	9	6,100	386,553	-5,00%	10	7,600	386,478	15	-	-	16	-	-	17	-	-	18	-	-	33	8,440	385,918	1,0	0,6
322+14,585			33	- 8,687	385,873	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,597	9	- 6,100	386,672	-5,00%	8	-	-	-	7	- 3,600	386,797	-3,00%	386,044	386,905	0,861	7	3,600	386,797	-3,00%	8	-	-	-	9	6,100	386,672	-5,00%	10	7,600	386,597	15	-	-	16	-	-	17	-	-	18	-	-	33	8,217	386,186	0,7	0,4
323+0,000			33	- 8,512	386,039	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,647	9	- 6,100	386,722	-4,76%	8	-	-	-	7	- 3,600	386,841	-3,00%	386,222	386,949	0,727	7	3,600	386,841	-3,00%	8	-	-	-	9	6,100	386,722	-4,76%	10	7,600	386,647	15	-	-	16	-	-	17	-	-	18	-	-	33	8,130	386,294	0,6	0,4
323+4,586	PC		33	- 8,365	386,180	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,689	9	- 6,100	386,764	-4,56%	8	-	-	-	7	- 3,600	386,878	-3,00%	386,372	386,986	0,614	7	3,600	386,878	-3,00%	8	-	-	-	9	6,100	386,764	-4,56%	10	7,600	386,689	15	-	-	16	-	-	17	-	-	18	-	-	33	8,056	386,386	0,5	0,3
323+17,085			33	- 8,327	386,320	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,805	9	- 6,100	386,880	-4,00%	8	-	-	-	7	- 3,600	386,980	-3,00%	386,370	387,088	0,718	7	3,600	386,980	-3,00%	8	-	-	-	9	6,100	386,880	-4,00%	10	7,600	386,805	15	-	-	16	-	-	17	-	-	18	-	-	33	8,027	386,520	0,5	0,3
324+0,000			33	- 8,322	386,348	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,829	9	- 6,100	386,904	-4,00%	8	-	-	-	7	- 3,600	387,004	-3,00%	386,362	387,112	0,750	7	3,600	387,004	-3,00%	8	-	-	-	9	6,100	386,904	-4,00%	10	7,600	386,829	15	-	-	16	-	-	17	-	-	18	-	-	33	8,024	386,546	0,5	0,3
325+0,000			33	- 8,454	386,422	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,991	9	- 6,100	387,066	-4,00%	8	-	-	-	7	- 3,600	387,166	-3,00%	386,559	387,274	0,716	7	3,600	387,166	-3,00%	8	-	-	-	9	6,100	387,066	-4,00%	10	7,600	386,991	15	-	-	16	-	-	17	-	-	18	-	-	33	8,094	386,662	0,6	0,3
325+15,000		PCV	33	- 8,400	386,580	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	387,113	9	- 6,100	387,188	-4,00%	8	-	-	-	7	- 3,600	387,288	-3,00%	386,722	387,396	0,674	7	3,600	387,288	-3,00%	8	-	-	-	9	6,100	387,188	-4,00%	10	7,600	387,113	15	-	-	16	-	-	17	-	-	18	-	-	33	7,952	386,879	0,5	0,2
326+0,000			33	- 8,391	386,628	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	387,155	9	- 6,100	387,230	-4,00%	8	-	-	-	7	- 3,600	387,330	-3,00%	386,766	387,438	0,672	7	3,600	387,330	-3,00%	8	-	-	-	9	6,100	387,230	-4,00%	10	7,600	387,155	15	-	-	16	-	-	17	-	-	18	-	-	33	7,901	386,955	0,5	0,2
327+0,000			33	- 8,243	386,924	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	387,353	9	- 6,100	387,428	-4,00%	8	-	-	-	7	- 3,600	387,528	-3,00%	387,160	387,636	0,476	7	3,600	387,528	-3,00%	8	-	-	-	9	6,100	387,428	-4,00%	10	7,600	387,353	15	-	-	16	-	-	17	-	-	18	-	-	33	7,693	387,291	0,4	0,1
328+0,000			33	- 8,107	387,259	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	387,597	9	- 6,100	387,672	-4,00%	8	-	-	-	7	- 3,600	387,772	-3,00%	387,409	387,880	0,471	7	3,600	387,772	-3,00%	8	-	-	-	9	6,100	387,672	-4,00%	10	7,600	387,597	15	-	-	16	-	-	17	-	-	18	-	-	33	7,680	387,544	0,3	0,1
328+5,000			33	- 8,133	387,310	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	387,665	9	- 6,100	387,740	-4,00%	8	-	-	-	7	- 3,600	387,840	-3,00%	387,450	387,948	0,498	7	3,600	387,840	-3,00%	8	-	-	-	9	6,100	387,740	-4,00%	10	7,600	387,665	15	-	-	16	-	-	17	-	-	18	-	-	33	7,694	387,603	0,4	0,1
329+0,000			33	- 8,072	387,573	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	387,888	9	- 6,100	387,963	-4,00%	8	-	-	-	7	- 3,600	388,063	-3,00%	387,702	388,171	0,469	7	3,600	388,063	-3,00%	8	-	-	-	9	6,100	387,963	-4,00%	10	7,600	387,888	15	-	-	16	-	-	17	-	-	18	-	-	33	7,642	387,860	0,3	0,0
330+0,000			33	- 8,114	387,882	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	388,225	9	- 6,100	388,300	-4,00%	8	-	-	-	7	- 3,600	388,400	-3,00%	388,039	388,508	0,470	7	3,600	388,400	-3,00%	8	-	-	-	9	6,100	388,300	-4,00%	10	7,600	388,225	15	-	-	16	-	-	17	-	-	18	-	-	33	7,684	388,169	0,3	0,1
330+15,000		PTV	33	- 8,149	388,143	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	388,509	9	- 6,100	388,584	-4,00%	8	-	-	-	7	- 3,600	388,684	-3,00%	388,321	388,792	0,470	7	3,600	388,684	-3,00%	8	-	-	-	9	6,100	388,584	-4,00%	10	7,600	388,509	15	-	-	16	-	-	17	-	-	18	-	-	33	7,661	388,468	0,4	0,0
331+0,000			33	- 8,161	388,234	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	388,608	9	- 6,100	388,683	-4,00%	8	-	-	-	7	- 3,600	388,783	-3,00%	388,421	388,891	0,469	7	3,600	388,783	-3,00%	8	-	-	-	9	6,100	388,683	-4,00%	10	7,600	388,308	15	-	-	16	-	-	17	-	-	18	-	-	33	7,906	388,614	0,4	-0,3
332+0,000			33	- 8,251	388,569	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	389,003	9	- 6,100	389,078	-4,00%	8	-	-	-	7	- 3,600	389,178	-3,00%	388,758	389,286	0,528	7	3,600	389,178	-3,00%	8	-	-	-	9	6,100	389,078	-4,00%	10	7,600	389,003	15	-	-	16	-	-	17	-	-	18	-	-	33	7,747	388,905	0,4	0,1
332+12,585			33	- 8,213	388,843	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	389,252	9	- 6,100	389,327	-4,00%	8	-	-	-	7	- 3,600	389,427	-3,00%	389,016	389,535	0,519	7	3,600	389,427	-3,00%	8	-	-	-	9	6,100	389,327	-4,00%	10	7,600	389,252	15	-	-	16	-	-	17	-	-	18	-	-	33	7,856	389,082	0,4	0,2
333+0,000			33	- 8,154	389,030	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	389,399	9	- 6,100	389,474	-4,00%	8	-	-	-	7	- 3,600	389,574	-3,00%	389,192	389,682	0,490	7	3,600	389,574	-3,00%	8	-	-	-	9	6,100	389,474	-4,00%	10	7,600	389,399	15	-	-	16	-	-	17	-	-	18	-	-	33	7,847	389,234	0,4	0,2
334+0,000			33	- 8,382	389,273	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	389,794	9	- 6,100	389,869	-4,00%	8	-	-	-	7	- 3,600	389,969	-3,00%	389,441	390,077	0,637	7	3,600	389,969	-3,00%	8	-	-	-	9	6,100	389,869	-4,00%	10	7,600	389,794	15	-	-	16	-	-	17	-	-	18	-	-	33	7,919	389,582	0,5	0,2
335+0,000			33	- 8,425	389,640	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	390,190	9	- 6,100	390,265	-4,00%	8	-	-	-	7	- 3,600	390,365	-3,00%	389,801	390,473	0,672	7	3,600	390,365	-3,00%	8	-	-	-	9	6,100	390,265	-4,00%	10	7,600	390,190	15	-	-	16	-	-	17	-	-	18	-	-	33	7,856	390,020	0,5	0,2
336+0,000			33	- 8,584	389,929	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	390,585	9	- 6,100	390,660	-4,00%	8	-	-	-	7	- 3,600	390,760	-3,00%	389,976	390,868	0,893	7	3,600	390,760	-3,00%	8	-	-	-	9	6,100	390,660	-4,00%	10	7,600	390,585	15	-	-	16	-	-	17	-	-	18	-	-	33	7,926	390,368	0,7	0,2
337+0,000			33	- 8,388	390,456	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	390,981	9	- 6,100	391,056	-4,00%	8	-	-	-	7	- 3,600	391,156	-3,00%	390,532	391,264	0,732	7	3,600	391,156	-3,00%	8	-	-	-	9	6,100	391,056	-4,00%	10	7,600	390,981	15	-	-	16	-	-	17	-	-	18	-	-	33	8,034	390,692	0,5	0,3
338+0,000			33	- 8,387	390,852	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	391,377	9	- 6,100	391,452	-4,00%	8	-	-	-	7	- 3,600	391,552	-3,00%	391,003	391,660	0,657	7	3,600	391,552	-3,00%	8	-	-	-	9	6,100	391,452	-4,00%	10	7,600	391,377	15	-	-	16	-	-	17	-	-	18	-	-	33	7,993	391,115	0,5	0,3
339+0,000			33	- 8,351	391,272	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	391,772	9	- 6,100	391,847	-4,00%	8	-	-	-	7	- 3,600	391,947	-3,00%	391,439	392,055	0,616	7	3,600	391,947	-3,00%	8	-	-	-	9	6,100	391,847	-4,00%	10	7,600	391,772	15	-	-	16	-	-	17	-	-	18	-	-	33	7,923	391,557	0,5	0,2
340+0,000			33	- 8,404	391,632	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	392,168	9	- 6,100	392,243	-4,00%	8	-	-	-	7	- 3,600	392,343	-3,00%	391,845	392,451	0,605	7	3,600	392,343	-3,00%	8	-	-	-	9	6,100	392,243	-4,00%	10	7,600	392,168	15	-	-	16	-	-	17	-	-	18	-	-	33	7,811	392,027	0,5	0,1
341+0,000			33	- 8,385	392,040	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	392,563	9	- 6,100	392,638	-4,00%	8	-	-	-	7	- 3,600	392,738	-3,00%	392,209	392,846	0,637	7	3,600	392,738	-3,00%	8	-	-	-	9	6,100	392,638	-4,00%	10	7,600	392,563	15	-	-	16	-	-	17	-	-	18	-	-	33	7,886	392,372	0,5	0,2
341+8,084			33	- 8,378	392,205	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	392,723	9	- 6,100	392,798	-4,00%	8	-	-	-	7	- 3,600	392,898	-3,00%	392,375	393,006	0,631	7	3,600	392,898	-3,00%	8	-	-	-	9	6,100	392,798	-4,00%	10	7,600	392,723	15	-	-	16	-	-	17	-	-	18	-	-	33	7,867	392,545	0,5	0,2
342+0,000			33	- 8,410	392,405	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	392,946	9	- 6,100	393,021	-4,53%	8	-	-	-	7	- 3,600	393,134	-3,00%	392,613	393,242	0,629	7	3,600	393,134	-3,00%	8	-	-	-	9	6,100	393,021	-4,53%	10	7,600	392,946	15	-	-	16	-	-	17	-	-	18	-	-	33	7,778	392,827	0,5	0,1
342+0,583	PT		33	- 8,412	392,415	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	392,956	9	- 6,100	393,031	-4,56%	8	-	-	-	7	- 3,600	393,145	-3,00%	392,625	393,253	0,628	7	3,600	393,145	-3,00%	8	-	-	-	9	6,100	393,031	-4,56%	10	7,600	392,956	15	-	-	16	-	-	17	-	-	18	-	-	33	7,765	392,846	0,5	0,1
342+10,584			33	- 8,397	392,612	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,143	9	- 6,100	393,218	-5,00%	8	-	-	-	7	- 3,600	393,343	-3,00%	392,896	393,451	0,555	7	3,600	393,343	-3,00%	8	-	-	-	9	6,100	393,218	-5,00%	10	7,600	393,143	15	-	-	16	-	-	17	-	-	18	-	-	33	7,705	393,073	0,5	0,1
343+0,000			33	- 8,280	392,876	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,329	9	- 6,100	393,404	-5,00%	8	-	-	-	7	- 3,600	393,529	-3,00%	393,060	393,637	0,577	7	3,600	393,529	-3,00%	8	-	-	-	9	6,100	393,404	-5,00%	10	7,600	393,329	15	-	-	16	-	-	17	-	-	18	-	-	33	7,751	393,229	0,5	0,1
343+13,084			33	- 8,216	393,178	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,588	9	- 6,100	393,663	-5,00%	8	-	-	-	7	- 3,600	393,788	-3,00%	393,336	393,896	0,560	7	3,600	393,788	-3,00%	8	-	-	-	9	6,100	393,663	-5,00%	10	7,600	393,588	15	-	-	16	-	-	17	-	-	18	-	-	33	7,857	393,417	0,4	0,2
344+0,000			33	- 8,253	393,289	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,725	9	- 6,100	393,800	-5,00%	8	-	-	-	7	- 3,600	393,925	-3,00%	393,506	394,033	0,527	7	3,600	393,925	-3,00%	8	-	-	-	9	6,100	393,800	-5,00%	10	7,600	393,725	15	-	-	16	-	-	17	-	-	18	-	-	33	7,887	393,534	0,4	0,2
344+8,084			33	- 8,312	393,410	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,885	9	- 6,100	393,960	-5,00%	8	-	-	-	7	- 3,600	394,085	-3,00%	393,675	394,193	0,518	7	3,600	394,085	-3,00%	8	-	-	-	9	6,100	393,960	-5,00%	10	7,600	393,885	15	-	-	16	-	-	17	-	-	18	-	-	33	7,931	393,664	0,5	0,2
345+0,000			33	- 8,381	393,600	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	394,121	9	- 6,100	394,196	-5,00%	8	-	-	-	7	- 3,600	394,321	-3,00%	393,827	394,429	0,601	7	3,600	394,321	-3,00%	8	-	-	-	9	6,100	394,196	-5,00%	10	7,600	394,121	15	-	-	16	-	-	17	-	-	18	-	-	33	7,872	393,939	0,5	0,2
346+0,000			33	- 8,243	394,088	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	394,516	9	- 6,100	394,591	-5,00%	8	-	-	-	7	- 3,600	394,716	-3,00%	394,224	394,824	0,600	7	3,600	394,716	-3,00%	8	-	-	-	9	6,100	394,591	-5,00%	10	7,600	394,516	15	-	-	16	-	-	17	-	-	18	-	-	33	7,647	394,485	0,4	0,0
347+0,000			33	- 8,351	394,411	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	394,912	9	- 6,100	394,987	-5,00%	8	-	-	-	7	- 3,600	395,112	-3,00%	394,684	395,220	0,536	7	3,600	395,112	-3,00%	8	-	-	-	9	6,100	394,987	-5,00%	10	7,600	394,912	15	-	-	16	-	-	17	-	-	18	-	-	33	7,698	394,846	0,5	0,1
348+0,000			33	- 8,279	394,855	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	395,307	9	- 6,100	395,382	-5,00%	8	-	-	-	7	- 3,600	395,507	-3,00%	395,114	395,615	0,501	7	3,600	395,507	-3,00%	8	-	-	-	9	6,100	395,382	-5,00%	10	7,600	395,307	15	-	-	16	-	-	17	-	-	18	-	-	33	7,776	395,190	0,5	0,1
349+0,000			33	- 8,192	395,308	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	395,703	9	- 6,100	395,778	-5,00%	8	-	-	-	7	- 3,600	395,903	-3,00%	395,470	396,011	0,541	7	3,600	395,903	-3,00%	8	-	-	-	9	6,100	395,778	-5,00%	10	7,600	395,703	15	-	-	16	-	-	17	-	-	18	-	-	33	7,723	395,621	0,4	0,1
350+0,000			33	- 8,165	395,722	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	396,098	9	- 6,100	396,173	-5,00%	8	-	-	-	7	- 3,600	396,298	-3,00%	395,804	396,406	0,602	7	3,600	396,298	-3,00%	8	-	-	-	9	6,100	396,173	-5,00%	10	7,600	396,098	15	-	-	16	-	-	17	-	-	18	-	-	33	7,680	396,045	0,4	0,1
351+0,000			33	- 8,191	396,100	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	396,494	9	- 6,100	396,569	-5,00%	8	-	-	-	7	- 3,600	396,694	-3,00%	396,220	396,802	0,582	7	3,600	396,694	-3,00%	8	-	-	-	9	6,100	396,569	-5,00%	10	7,600	396,494	15	-	-	16	-	-	17	-	-	18	-	-	33	7,745	396,397	0,4	0,1
352+0,000			33	- 8,172	396,508	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	396,889	9	- 6,100	396,964	-5,00%	8	-	-	-	7	- 3,600	397,089	-3,00%	396,645	397,197	0,553	7	3,600	397,089	-3,00%	8	-	-	-	9	6,100	396,964	-5,00%	10	7,600	396,889	15	-	-	16	-	-	17	-	-	18	-	-	33	7,755	396,786	0,4	0,1
353+0,000			33	- 8,151	396,918	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	397,285	9	- 6,100	397,360	-5,00%	8	-	-	-	7	- 3,600	397,485	-3,00%	397,098	397,593	0,495	7	3,600	397,485	-3,00%	8	-	-	-	9	6,100	397,360	-5,00%	10	7,600	397,285	15	-	-	16	-	-	17	-	-	18	-	-	33	7,678	397,233	0,4	0,1
354+0,000			33	- 8,395	397,150	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	397,681	9	- 6,100	397,756	-5,00%	8	-	-	-	7	- 3,600	397,881	-3,00%	397,447	397,989	0,541	7	3,600	397,881	-3,00%	8	-	-	-	9	6,100	397,756	-5,00%	10	7,600	397,681	15	-	-	16	-	-	17	-	-	18	-	-	33	7,618	397,669	0,5	0,0
355+0,000			33	- 8,489	397,484	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	398,076	9	- 6,100	398,151	-5,00%	8	-	-	-	7	- 3,600	398,276	-3,00%	397,879	398,384	0,506	7	3,600	398,276	-3,00%	8	-	-	-	9	6,100	398,151	-5,00%	10	7,600	398,076	15	-	-	16	-	-	17	-	-	18	-	-	33	7,710	398,003	0,6	0,1
356+0,000			33	- 8,083	398,150	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	398,472	9	- 6,100	398,547	-5,00%	8	-	-	-	7	- 3,600	398,672	-3,00%	398,156	398,780	0,624	7	3,600	398,672	-3,00%	8	-	-	-	9	6,100	398,547	-5,00%	10	7,600	398,472	15	-	-	16	-	-	17	-	-	18	-	-	33	7,775	398,355	0,3	0,1
357+0,000			33	- 8,058	398,562	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	398,867	9	- 6,100	398,942	-5,00%	8	-	-	-	7	- 3,600	399,067	-3,00%	398,656	399,175	0,520	7	3,600	399,067	-3,00%	8	-	-	-	9	6,100	398,942	-5,00%	10	7,600	398,867	15	-	-	16	-	-	17	-	-	18	-	-	33	7,782	398,746	0,3	0,1
358+0,000			33	- 8,126	398,912	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	399,263	9	- 6,100	399,338	-5,00%	8	-	-	-	7	- 3,600	399,463	-3,00%	399,065	399,571	0,506	7	3,600	399,463	-3,00%	8	-	-	-	9	6,100	399,338	-5,00%	10	7,600	399,263	15	-	-	16	-	-	17	-	-	18	-	-	33	7,665	399,219	0,4	0,0
359+0,000			33	- 8,120	399,311	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	399,658	9	- 6,100	399,733	-5,00%	8	-	-	-	7	- 3,600	399,858	-3,00%	399,490	399,966	0,476	7	3,600	399,858	-3,00%	8	-	-	-	9	6,100	399,733	-5,00%	10	7,600	399,658	15	-	-	16	-	-	17	-	-	18	-	-	33	7,616	399,648	0,3	0,0
360+0,000			33	- 8,145	399,691	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	400,054	9	- 6,100	400,129	-5,00%	8	-	-	-	7	- 3,600	400,254	-3,00%	399,872	400,362	0,490	7	3,600	400,254	-3,00%	8	-	-	-	9	6,100	400,129	-5,00%	10	7,600	400,054	15	-	-	16	-	-	17	-	-	18	-	-	33	7,650	400,020	0,4	0,0
361+0,000		PCV	33	- 8,212	400,042	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	400,450	9	- 6,100	400,525	-5,00%	8	-	-	-	7	- 3,600	400,650	-3,00%	400,312	400,758	0,445	7	3,600	400,650	-3,00%	8	-	-	-	9	6,100	400,525	-5,00%	10	7,600	400,450	15	-	-	16	-	-	17	-	-	18	-	-	33	7,612	400,441	0,4	0,0
362+0,000			33	- 8,210	400,422	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	400,829	9	- 6,100	400,904	-5,00%	8	-	-	-	7	- 3,600	401,029	-3,00%	400,659	401,137	0,478	7	3,600	401,029	-3,00%	8	-	-	-	9	6,100	400,904	-5,00%	10	7,600	400,829	15	-	-	16	-	-	17	-	-	18	-	-	33	7,644	400,800	0,4	0,0
363+0,000			33	- 8,218	400,763	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	401,175	9	- 6,100	401,250	-5,00%	8	-	-	-	7	- 3,600	401,375	-3,00%	400,980	401,483	0,503	7	3,600	401,375	-3,00%	8	-	-	-	9	6,100	401,250	-5,00%	10	7,600	401,175	15	-	-	16	-	-	17	-	-	18	-	-	33	7,623	401,160	0,4	0,0
364+0,000			33	- 8,110	401,149	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	401,489	9	- 6,100	401,564	-5,00%	8	-	-	-	7	- 3,600	401,689	-3,00%	401,298	401,797	0,500	7	3,600	401,689	-3,00%	8	-	-	-	9	6,100	401,564	-5,00%	10	7,600	401,489	15	-	-	16	-	-	17	-	-	18	-	-	33	7,610	401,483	0,3	0,0
365+0,000			33	- 8,149	401,405	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	401,771	9	- 6,100	401,846	-5,00%	8	-	-	-	7	- 3,600	401,971	-3,00%	401,630	402,079	0,449	7	3,600	401,971	-3,00%	8	-	-	-	9	6,100	401,846	-5,00%	10	7,600	401,771	15	-	-	16	-	-	17	-	-	18	-	-	33	7,645	401,741	0,4	0,0
366+0,000			33	- 7,995	401,756	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	402,020	9	- 6,100	402,095	-5,00%	8	-	-	-	7	- 3,600	402,220	-3,00%	401,960	402,328	0,367	7	3,600	402,220	-3,00%	8	-	-	-	9	6,100	402,095	-5,00%	10	7,600	401,720	15	-	-	16	-	-	17	-	-	18	-	-	33	8,001	402,120	0,3	-0,4
367+0,000		PTV	33	- 7,788	402,111	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	402,236	9	- 6,100	402,311	-5,00%	8	-	-	-	7	- 3,600	402,436	-3,00%	402,263	402,544	0,281	7	3,600	402,436	-3,00%	8	-	-	-	9	6,100	402,311	-5,00%	10	7,600	401,936	15	-	-	16	-	-	17	-	-	18	-	-	33	8,179	402,515	0,1	-0,6
368+0,000			33	- 7,645	402,465	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	402,436	9	- 6,100	402,511	-5,00%	8	-	-	-	7	- 3,600	402,636	-3,00%	402,653	402,744	0,090	7	3,600	402,636	-3,00%	8	-	-	-	9	6,100	402,511	-5,00%	10	7,600	402,136	15	-	-	16	-	-	17	-	-	18	-	-	33	8,309	402,845	0,0	-0,7
369+0,000			33	- 8,044	402,779	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	402,335	9	- 6,100	402,710	-5,00%	8	-	-	-	7	- 3,600	402,835	-3,00%	402,983	402,943	-0,039	7	3,600	402,835	-3,00%	8	-	-	-	9	6,100	402,710	-5,00%	10	7,600	402,335	15	-	-	16	-	-	17	-	-	18	-	-	33	8,397	403,132	-0,4	-0,8
370+0,000			33	- 20,904	402,904	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	402,562	9	- 6,100	402,910	-5,00%	8	-	-	-	7	- 3,600	403,035	-3,00%	403,312	403,143	-0,169	7	3,600	403,035	-3,00%	8	-	-	-	9	6,100	402,910	-5,00%	10	7,492	402,562	15	-	-	16	-	-	17	-	-	18	-	-	33	21,388	403,676	-0,7	-1,4
371+0,000			33	- 21,060	403,182	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	402,762	9	- 6,100	403,110	-5,00%	8	-	-	-	7	- 3,600	403,235	-3,00%	403,640	403,343	-0,297	7	3,600	403,235	-3,00%	8	-	-	-	9	6,100	403,110	-5,00%	10	7,492	402,762	15	-	-	16	-	-	17	-	-	18	-	-	33	21,390	403,877	-0,8	-1,4
372+0,000			33	- 22,253	403,978	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	402,962	9	- 6,100	403,310	-5,00%	8	-	-	-	7	- 3,600	403,435	-3,00%	404,104	403,543	-0,561	7	3,600	403,435	-3,00%	8	-	-	-	9	6,100	403,310	-5,00%	10	7,492	402,962	15	-	-	16	-	-	17	-	-	18	-	-	33	21,997	404,380	-1,4	-1,7
373+0,000			33	- 22,524	404,313	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	403,162	9	- 6,100	403,510	-5,00%	8	-	-	-	7	- 3,600	403,635	-3,00%	404,318	403,743	-0,576	7	3,600	403,635	-3,00%	8	-	-	-	9	6,100	403,510	-5,00%	10	7,492	403,162	15	-	-	16	-	-	17	-	-	18	-	-	33	22,391	404,777	-1,5	-1,9
374+0,000			33	- 21,745	404,124	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	403,361	9	- 6,100	403,710	-5,00%	8	-	-	-	7	- 3,600	403,835	-3,00%	404,468	403,943	-0,526	7	3,600	403,835	-3,00%	8	-	-	-	9	6,100	403,710	-5,00%	10	7,492	403,361	15	-	-	16	-	-	17	-	-	18	-	-	33	22,257	404,910	-1,1	-1,9
375+0,000			33	- 22,732	404,817	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	403,561	9	- 6,100	403,909	-5,00%	8	-	-	-	7	- 3,600	404,034	-3,00%	405,259	404,142	-1,117	7	3,600	404,034	-3,00%	8	-	-	-	9	6,100	403,909	-5,00%	10	7,492	403,561	15	-	-	16	-	-	17	-	-	18	-	-	33	22,504	405,233	-1,6	-2,0
376+0,000			33	- 22,803	405,053	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	403,761	9	- 6,100	404,109	-5,00%	8	-	-	-	7	- 3,600	404,234	-3,00%	405,631	404,342	-1,289	7	3,600	404,234	-3,00%	8	-	-	-	9	6,100	404,109	-5,00%	10	7,492	403,761	15	-	-	16	-	-	17	-	-	18	-	-	33	22,758	405,560	-1,7	-2,1
377+0,000			33	- 23,736	405,718	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	403,961	9	- 6,100	404,309	-5,00%	8	-	-	-	7	- 3,600	404,434	-3,00%	405,658	404,542	-1,116	7	3,600	404,434	-3,00%	8	-	-	-	9	6,100	404,309	-5,00%	10	7,492	403,961	15	-	-	16	-	-	17	-	-	18	-	-	33	23,177	405,969	-2,1	-2,3
378+0,000		PCV	33	- 23,427	405,764	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	404,161	9	- 6,100	404,509	-5,00%	8	-	-	-	7	- 3,600	404,634	-3,00%	405,823	404,742	-1,081	7	3,600	404,634	-3,00%	8	-	-	-	9	6,100	404,509	-5,00%	10	7,492	404,161	15	-	-	16	-	-	17	-	-	18	-	-	33	23,299	406,230	-2,0	-2,4
379+0,000			33	- 22,824	405,647	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	404,345	9	- 6,100	404,694	-5,00%	8	-	-	-	7	- 3,600	404,819	-3,00%	406,063	404,927	-1,136	7	3,600	404,819	-3,00%	8	-	-	-	9	6,100	404,694	-5,00%	10	7,492	404,345	15	-	-	16	-	-	17	-	-	18	-	-	33	23,510	406,520	-1,7	-2,5
380+0,000			33	- 22,911	405,845	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	404,500	9	- 6,100	404,848	-5,00%	8	-	-	-	7	- 3,600	404,973	-3,00%	406,451	405,081	-1,370	7	3,600	404,973	-3,00%	8	-	-	-	9	6,100	404,848	-5,00%	10	7,492	404,500	15	-	-	16	-	-	17	-	-	18	-	-	33	23,795	406,817	-1,7	-2,6
381+0,000			33	- 23,766	406,397	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	404,624	9	- 6,100	404,973	-5,00%	8	-	-	-	7	- 3,600	405,098	-3,00%	406,844	405,206	-1,639	7	3,600	405,098	-3,00%	8	-	-	-	9	6,100	404,973	-5,00%	10	7,492	404,624	15	-	-	16	-	-	17	-	-	18	-	-	33	23,992	407,040	-2,1	-2,7
382+0,000			33	- 24,056	406,637	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	404,719	9	- 6,100	405,067	-5,00%	8	-	-	-	7	- 3,600	405,192	-3,00%	406,964	405,300	-1,665	7	3,600	405,192	-3,00%	8	-	-	-	9	6,100	405,067	-5,00%	10	7,492	404,719	15	-	-	16	-	-	17	-	-	18	-	-	33	24,076	407,177	-2,3	-2,8
383+0,000			33	- 23,592	406,469	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	404,783	9	- 6,100	405,131	-5,00%	8	-	-	-	7	- 3,600	405,256	-3,00%	406,969	405,364	-1,605	7	3,600	405,256	-3,00%	8	-	-	-	9	6,100	405,131	-5,00%	10	7,492	404,783	15	-	-	16	-	-	17	-	-	18	-	-	33	24,231	407,318	-2,0	-2,9
384+0,000			33	- 23,431	406,422	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	404,817	9	- 6,100	405,165	-5,00%	8	-	-	-	7	- 3,600	405,290	-3,00%	407,120	405,398	-1,722	7	3,600	405,290	-3,00%	8	-	-	-	9	6,100	405,165	-5,00%	10	7,492	404,817	15	-	-	16	-	-	17	-	-	18	-	-	33	24,616	407,545	-2,0	-3,1
384+12,496			33	- 23,678	406,551	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	404,823	9	- 6,100	405,171	-5,00%	8	-	-	-	7	- 3,600	405,296	-3,00%	407,261	405,404	-1,857	7	3,600	405,296	-3,00%	8	-	-	-	9	6,100	405,171	-5,00%	10	7,492	404,823	15	-	-	16	-	-	17	-	-	18	-	-	33	24,889	407,687	-2,1	-3,2
385+0,000			33	- 23,869	406,645	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	404,820	9	- 6,100	405,169	-5,00%	8	-	-	-	7	- 3,600	405,294	-3,00%	407,345	405,402	-1,944	7	3,600	405,294	-3,00%	8	-	-	-	9	6,100	405,169	-5,00%	10	7,492	404,820	15	-	-	16	-	-	17	-	-	18	-	-	33	25,065	407,773	-2,2	-3,3
386+0,000			33	- 24,441	406,905	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	404,794	9	- 6,100	405,142	-5,00%	8	-	-	-	7	- 3,600	405,267	-3,00%	407,441	405,375	-2,066	7	3,600	405,267	-3,00%	8	-	-	-	9	6,100	405,142	-5,00%	10	7,492	404,794	15	-	-	16	-	-	17	-	-	18	-	-	33	25,461	407,944	-2,5	-3,5
387+0,000			33	- 24,581	406,918	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	404,738	9	- 6,100	405,086	-5,00%	8	-	-	-	7	- 3,600	405,211	-3,00%	407,685	405,319	-2,366	7	3,600	405,211	-3,00%	8	-	-	-	9	6,100	405,086	-5,00%	10	7,492	404,738	15	-	-	16	-	-	17	-	-	18	-	-	33	26,016	408,165	-2,5	-3,8
388+0,000			33	- 25,357	407,219	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	404,651	9	- 6,100	404,999	-5,00%	8	-	-	-	7	- 3,600	405,124	-3,00%	407,895	405,232	-2,663	7	3,600	405,124	-3,00%	8	-	-	-	9	6,100	404,999	-5,00%	10	7,492	404,651	15	-	-	16	-	-	17	-	-	18	-	-	33	26,592	408,367	-2,9	-4,0
389+0,000			33	- 25,799	407,323	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	404,534	9	- 6,100	404,882	-5,00%	8	-	-	-	7	- 3,600	405,007	-3,00%	407,918	405,115	-2,803	7	3,600	405,007	-3,00%	8	-	-	-	9	6,100	404,882	-5,00%	10	7,492	404,534	15	-	-	16	-	-	17	-	-	18	-	-	33	27,041	408,474	-3,1	-4,3
390+0,000			33	- 26,148	407,351	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	404,387	9	- 6,100	404,735	-5,00%	8	-	-	-	7	- 3,600	404,860	-3,00%	408,032	404,968	-3,064	7	3,600	404,860	-3,00%	8	-	-	-	9	6,100	404,735	-5,00%	10	7,492	404,387	15	-	-	16	-	-	17	-	-	18	-	-	33	27,479	408,546	-3,3	-4,5

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

BR-158/262-MS

LADO ESQUERDO – PLATAFORMA ACABADA | COTAS DE EIXO | LADO DIREITO – PLATAFORMA ACABADA | ALTURAS DOS TALUDES

ESTACA	Elementos do Projeto		LE Talude			LE Fim da Segunda Berma			LE Inicio da Segunda Berma			LE Fim da Primeira Berma			LE Inicio da Primeira Berma / Encontro de Talude			LE Fundo canaleta / Barreira			LE Acostamento / Faixa de Segurança / Concordância de Pista				LE Faixa de Aceleração ou Desaceleração				LE Bordo da pista				Terreno Natural	Projeto	Cota vermelha	LD Bordo da pista				LD Faixa de Aceleração ou Desaceleração				LD Acostamento / Faixa de Segurança / Concordância de Pista				LD Fundo canaleta / Barreira			LD Inicio da Primeira Berma / Encontro de Talude			LD Fim da Primeira Berma			LD Inicio da Segunda Berma			LD Fim da Segunda Berma			LD Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota		
391+0,000			33	- 26,705	407,452	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	404,210	9	- 6,100	404,558	-5,00%	8	-	-	-	7	- 3,600	404,683	-3,00%	408,100	404,791	-3,309	7	3,600	404,683	-3,00%	8	-	-	-	9	6,100	404,558	-5,00%	10	7,492	404,210	15	-	-	16	-	-	17	-	-	18	-	-	33	27,985	408,622	-3,6	-4,7
392+0,000			33	- 27,171	407,478	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	404,002	9	- 6,100	404,350	-5,00%	8	-	-	-	7	- 3,600	404,475	-3,00%	408,029	404,583	-3,445	7	3,600	404,475	-3,00%	8	-	-	-	9	6,100	404,350	-5,00%	10	7,492	404,002	15	-	-	16	-	-	17	-	-	18	-	-	33	28,448	408,646	-3,8	-5,0
393+0,000			33	- 27,590	407,449	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	403,765	9	- 6,100	404,113	-5,00%	8	-	-	-	7	- 3,600	404,238	-3,00%	408,058	404,346	-3,712	7	3,600	404,238	-3,00%	8	-	-	-	9	6,100	404,113	-5,00%	10	7,492	403,765	15	-	-	16	-	-	17	-	-	18	-	-	33	28,923	408,646	-4,0	-5,2
394+0,000			33	- 28,094	407,434	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	403,497	9	- 6,100	403,845	-5,00%	8	-	-	-	7	- 3,600	403,970	-3,00%	408,048	404,078	-3,969	7	3,600	403,970	-3,00%	8	-	-	-	9	6,100	403,845	-5,00%	10	7,492	403,497	15	-	-	16	-	-	17	-	-	18	-	-	33	29,241	408,537	-4,3	-5,4
395+0,000			33	- 28,642	407,410	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	403,199	9	- 6,100	403,547	-5,00%	8	-	-	-	7	- 3,600	403,672	-3,00%	407,936	403,780	-4,156	7	3,600	403,672	-3,00%	8	-	-	-	9	6,100	403,547	-5,00%	10	7,492	403,199	15	-	-	16	-	-	17	-	-	18	-	-	33	29,508	408,373	-4,6	-5,5
396+0,000			33	- 28,988	407,255	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	402,871	9	- 6,100	403,219	-5,00%	8	-	-	-	7	- 3,600	403,344	-3,00%	407,773	403,452	-4,321	7	3,600	403,344	-3,00%	8	-	-	-	9	6,100	403,219	-5,00%	10	7,492	402,871	15	-	-	16	-	-	17	-	-	18	-	-	33	29,013	407,797	-4,7	-5,3
397+0,000			33	- 29,347	407,076	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	402,513	9	- 6,100	402,861	-5,00%	8	-	-	-	7	- 3,600	402,986	-3,00%	407,503	403,094	-4,409	7	3,600	402,986	-3,00%	8	-	-	-	9	6,100	402,861	-5,00%	10	7,492	402,513	15	-	-	16	-	-	17	-	-	18	-	-	33	28,672	407,269	-4,9	-5,1
398+0,000		PTV	33	- 29,673	406,851	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	402,125	9	- 6,100	402,473	-5,00%	8	-	-	-	7	- 3,600	402,598	-3,00%	407,000	402,706	-4,294	7	3,600	402,598	-3,00%	8	-	-	-	9	6,100	402,473	-5,00%	10	7,492	402,125	15	-	-	16	-	-	17	-	-	18	-	-	33	27,725	406,407	-5,1	-4,6
399+0,000			33	- 29,779	406,500	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	401,721	9	- 6,100	402,069	-5,00%	8	-	-	-	7	- 3,600	402,194	-3,00%	406,388	402,302	-4,086	7	3,600	402,194	-3,00%	8	-	-	-	9	6,100	402,069	-5,00%	10	7,492	401,721	15	-	-	16	-	-	17	-	-	18	-	-	33	26,987	405,634	-5,1	-4,2
400+0,000			33	- 29,377	405,896	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	401,318	9	- 6,100	401,666	-5,00%	8	-	-	-	7	- 3,600	401,791	-3,00%	405,495	401,899	-3,596	7	3,600	401,791	-3,00%	8	-	-	-	9	6,100	401,666	-5,00%	10	7,492	401,318	15	-	-	16	-	-	17	-	-	18	-	-	33	25,987	404,731	-4,9	-3,7
401+0,000			33	- 28,853	405,231	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	400,914	9	- 6,100	401,262	-5,00%	8	-	-	-	7	- 3,600	401,387	-3,00%	404,568	401,495	-3,073	7	3,600	401,387	-3,00%	8	-	-	-	9	6,100	401,262	-5,00%	10	7,492	400,914	15	-	-	16	-	-	17	-	-	18	-	-	33	24,590	403,629	-4,7	-3,0
402+0,000			33	- 28,110	404,456	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	400,511	9	- 6,100	400,859	-5,00%	8	-	-	-	7	- 3,600	400,984	-3,00%	403,650	401,092	-2,558	7	3,600	400,984	-3,00%	8	-	-	-	9	6,100	400,859	-5,00%	10	7,492	400,511	15	-	-	16	-	-	17	-	-	18	-	-	33	23,252	402,556	-4,3	-2,4
403+0,000			33	- 27,330	403,662	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	400,107	9	- 6,100	400,455	-5,00%	8	-	-	-	7	- 3,600	400,580	-3,00%	402,686	400,688	-1,998	7	3,600	400,580	-3,00%	8	-	-	-	9	6,100	400,455	-5,00%	10	7,492	400,107	15	-	-	16	-	-	17	-	-	18	-	-	33	22,007	401,531	-3,9	-1,8
404+0,000			33	- 26,448	402,818	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	399,704	9	- 6,100	400,052	-5,00%	8	-	-	-	7	- 3,600	400,177	-3,00%	401,689	400,285	-1,404	7	3,600	400,177	-3,00%	8	-	-	-	9	6,100	400,052	-5,00%	10	7,492	399,704	15	-	-	16	-	-	17	-	-	18	-	-	33	20,932	400,590	-3,5	-1,2
405+0,000			33	- 25,487	401,934	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	399,301	9	- 6,100	399,649	-5,00%	8	-	-	-	7	- 3,600	399,774	-3,00%	400,713	399,882	-0,832	7	3,600	399,774	-3,00%	8	-	-	-	9	6,100	399,649	-5,00%	10	7,492	399,301	15	-	-	16	-	-	17	-	-	18	-	-	33	19,875	399,658	-3,0	-0,7
406+0,000			33	- 24,484	401,029	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	398,897	9	- 6,100	399,245	-5,00%	8	-	-	-	7	- 3,600	399,370	-3,00%	399,865	399,478	-0,387	7	3,600	399,370	-3,00%	8	-	-	-	9	6,100	399,245	-5,00%	10	7,492	398,897	15	-	-	16	-	-	17	-	-	18	-	-	33	18,773	398,703	-2,5	-0,1
407+0,000			33	- 8,534	399,400	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	398,467	9	- 6,100	398,842	-5,00%	8	-	-	-	7	- 3,600	398,967	-3,00%	399,061	399,075	0,014	7	3,600	398,967	-3,00%	8	-	-	-	9	6,100	398,842	-5,00%	10	7,600	398,767	15	-	-	16	-	-	17	-	-	18	-	-	33	8,110	398,426	-0,9	0,3
408+0,000			33	- 8,051	398,506	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	398,063	9	- 6,100	398,438	-5,00%	8	-	-	-	7	- 3,600	398,563	-3,00%	398,092	398,671	0,579	7	3,600	398,563	-3,00%	8	-	-	-	9	6,100	398,438	-5,00%	10	7,600	398,363	15	-	-	16	-	-	17	-	-	18	-	-	33	8,833	397,541	-0,4	0,8
409+0,000			33	- 7,905	397,757	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	397,960	9	- 6,100	398,035	-5,00%	8	-	-	-	7	- 3,600	398,160	-3,00%	397,366	398,268	0,901	7	3,600	398,160	-3,00%	8	-	-	-	9	6,100	398,035	-5,00%	10	7,600	397,960	15	-	-	16	-	-	17	-	-	18	-	-	33	9,492	396,699	0,2	1,3
410+0,000			33	- 8,530	396,937	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	397,556	9	- 6,100	397,631	-5,00%	8	-	-	-	7	- 3,600	397,756	-3,00%	396,483	397,864	1,381	7	3,600	397,756	-3,00%	8	-	-	-	9	6,100	397,631	-5,00%	10	7,600	397,556	15	-	-	16	-	-	17	-	-	18	-	-	33	10,258	395,784	0,6	1,8
411+0,000			33	- 8,901	396,286	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	397,153	9	- 6,100	397,228	-5,00%	8	-	-	-	7	- 3,600	397,353	-3,00%	395,777	397,461	1,684	7	3,600	397,353	-3,00%	8	-	-	-	9	6,100	397,228	-5,00%	10	7,600	397,153	15	-	-	16	-	-	17	-	-	18	-	-	33	10,534	395,197	0,9	2,0
412+0,000			33	- 9,282	395,628	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	396,750	9	- 6,100	396,825	-5,00%	8	-	-	-	7	- 3,600	396,950	-3,00%	395,099	397,058	1,958	7	3,600	396,950	-3,00%	8	-	-	-	9	6,100	396,825	-5,00%	10	7,600	396,750	15	-	-	16	-	-	17	-	-	18	-	-	33	11,073	394,434	1,1	2,3
413+0,000			33	- 9,478	395,094	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	396,346	9	- 6,100	396,421	-5,00%	8	-	-	-	7	- 3,600	396,546	-3,00%	394,455	396,654	2,199	7	3,600	396,546	-3,00%	8	-	-	-	9	6,100	396,421	-5,00%	10	7,600	396,346	15	-	-	16	-	-	17	-	-	18	-	-	33	11,603	393,677	1,3	2,7
414+0,000			33	- 9,661	394,569	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	395,943	9	- 6,100	396,018	-5,00%	8	-	-	-	7	- 3,600	396,143	-3,00%	393,930	396,251	2,321	7	3,600	396,143	-3,00%	8	-	-	-	9	6,100	396,018	-5,00%	10	7,600	395,943	15	-	-	16	-	-	17	-	-	18	-	-	33	11,847	393,112	1,4	2,8
415+0,000			33	- 9,807	394,068	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	395,539	9	- 6,100	395,614	-5,00%	8	-	-	-	7	- 3,600	395,739	-3,00%	393,569	395,847	2,278	7	3,600	395,739	-3,00%	8	-	-	-	9	6,100	395,614	-5,00%	10	7,600	395,539	15	-	-	16	-	-	17	-	-	18	-	-	33	11,999	392,607	1,5	2,9
416+0,000			33	- 9,923	393,587	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	395,136	9	- 6,100	395,211	-5,00%	8	-	-	-	7	- 3,600	395,336	-3,00%	392,935	395,444	2,509	7	3,600	395,336	-3,00%	8	-	-	-	9	6,100	395,211	-5,00%	10	7,600	395,136	15	-	-	16	-	-	17	-	-	18	-	-	33	12,030	392,182	1,5	3,0
416+5,000		PCV	33	- 9,925	393,485	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	395,035	9	- 6,100	395,110	-5,00%	8	-	-	-	7	- 3,600	395,235	-3,00%	392,741	395,343	2,602	7	3,600	395,235	-3,00%	8	-	-	-	9	6,100	395,110	-5,00%	10	7,600	395,035	15	-	-	16	-	-	17	-	-	18	-	-	33	12,090	392,041	1,6	3,0
417+0,000			33	- 9,930	393,193	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	394,746	9	- 6,100	394,821	-5,00%	8	-	-	-	7	- 3,600	394,946	-3,00%	392,450	395,054	2,604	7	3,600	394,946	-3,00%	8	-	-	-	9	6,100	394,821	-5,00%	10	7,600	394,746	15	-	-	16	-	-	17	-	-	18	-	-	33	12,090	391,753	1,6	3,0
418+0,000			33	- 9,917	392,858	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	394,403	9	- 6,100	394,478	-5,00%	8	-	-	-	7	- 3,600	394,603	-3,00%	392,135	394,711	2,576	7	3,600	394,603	-3,00%	8	-	-	-	9	6,100	394,478	-5,00%	10	7,600	394,403	15	-	-	16	-	-	17	-	-	18	-	-	33	12,017	391,458	1,5	2,9
419+0,000			33	- 9,987	392,517	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	394,108	9	- 6,100	394,183	-5,00%	8	-	-	-	7	- 3,600	394,308	-3,00%	391,898	394,416	2,519	7	3,600	394,308	-3,00%	8	-	-	-	9	6,100	394,183	-5,00%	10	7,600	394,108	15	-	-	16	-	-	17	-	-	18	-	-	33	11,982	391,187	1,6	2,9
420+0,000			33	- 9,877	392,344	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,862	9	- 6,100	393,937	-5,00%	8	-	-	-	7	- 3,600	394,062	-3,00%	391,765	394,170	2,405	7	3,600	394,062	-3,00%	8	-	-	-	9	6,100	393,937	-5,00%	10	7,600	393,862	15	-	-	16	-	-	17	-	-	18	-	-	33	11,795	391,065	1,5	2,8
421+0,000			33	- 9,650	392,297	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,664	9	- 6,100	393,739	-5,00%	8	-	-	-	7	- 3,600	393,864	-3,00%	391,709	393,972	2,263	7	3,600	393,864	-3,00%	8	-	-	-	9	6,100	393,739	-5,00%	10	7,600	393,664	15	-	-	16	-	-	17	-	-	18	-	-	33	11,502	391,062	1,4	2,6
421+5,000			33	- 9,573	392,306	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,622	9	- 6,100	393,697	-5,00%	8	-	-	-	7	- 3,600	393,822	-3,00%	391,699	393,930	2,230	7	3,600	393,822	-3,00%	8	-	-	-	9	6,100	393,697	-5,00%	10	7,600	393,622	15	-	-	16	-	-	17	-	-	18	-	-	33	11,360	391,115	1,3	2,5
422+0,000			33	- 9,247	392,416	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,514	9	- 6,100	393,589	-5,00%	8	-	-	-	7	- 3,600	393,714	-3,00%	391,846	393,822	1,976	7	3,600	393,714	-3,00%	8	-	-	-	9	6,100	393,589	-5,00%	10	7,600	393,514	15	-	-	16	-	-	17	-	-	18	-	-	33	10,956	391,277	1,1	2,2
423+0,000			33	- 8,665	392,702	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,412	9	- 6,100	393,487	-5,00%	8	-	-	-	7	- 3,600	393,612	-3,00%	392,121	393,720	1,600	7	3,600	393,612	-3,00%	8	-	-	-	9	6,100	393,487	-5,00%	10	7,600	393,412	15	-	-	16	-	-	17	-	-	18	-	-	33	10,378	391,560	0,7	1,9
424+0,000			33	- 8,137	393,001	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,359	9	- 6,100	393,434	-5,00%	8	-	-	-	7	- 3,600	393,559	-3,00%	392,406	393,667	1,261	7	3,600	393,559	-3,00%	8	-	-	-	9	6,100	393,434	-5,00%	10	7,600	393,359	15	-	-	16	-	-	17	-	-	18	-	-	33	9,964	391,783	0,4	1,6
424+12,051			33	- 7,896	393,153	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,350	9	- 6,100	393,425	-5,00%	8	-	-	-	7	- 3,600	393,550	-3,00%	392,557	393,658	1,101	7	3,600	393,550	-3,00%	8	-	-	-	9	6,100	393,425	-5,00%	10	7,600	393,350	15	-	-	16	-	-	17	-	-	18	-	-	33	9,707	391,946	0,2	1,4
425+0,000			33	- 7,817	393,209	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,354	9	- 6,100	393,429	-5,00%	8	-	-	-	7	- 3,600	393,554	-3,00%	392,646	393,662	1,016	7	3,600	393,554	-3,00%	8	-	-	-	9	6,100	393,429	-5,00%	10	7,600	393,354	15	-	-	16	-	-	17	-	-	18	-	-	33	9,554	392,051	0,1	1,3
426+0,000			33	- 8,044	393,541	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,097	9	- 6,100	393,472	-5,00%	8	-	-	-	7	- 3,600	393,597	-3,00%	393,053	393,705	0,653	7	3,600	393,597	-3,00%	8	-	-	-	9	6,100	393,472	-5,00%	10	7,600	393,397	15	-	-	16	-	-	17	-	-	18	-	-	33	9,101	392,397	-0,4	1,0
426+5,000		PCRV	33	- 8,127	393,643	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,116	9	- 6,100	393,491	-5,00%	8	-	-	-	7	- 3,600	393,616	-3,00%	393,175	393,724	0,548	7	3,600	393,616	-3,00%	8	-	-	-	9	6,100	393,491	-5,00%	10	7,600	393,416	15	-	-	16	-	-	17	-	-	18	-	-	33	8,954	392,513	-0,5	0,9
427+0,000			33	- 8,292	393,855	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,163	9	- 6,100	393,538	-5,00%	8	-	-	-	7	- 3,600	393,663	-3,00%	393,322	393,771	0,449	7	3,600	393,663	-3,00%	8	-	-	-	9	6,100	393,538	-5,00%	10	7,600	393,463	15	-	-	16	-	-	17	-	-	18	-	-	33	8,750	392,696	-0,7	0,8
428+0,000			33	- 8,604	394,193	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,189	9	- 6,100	393,564	-5,00%	8	-	-	-	7	- 3,600	393,689	-3,00%	393,601	393,797	0,196	7	3,600	393,689	-3,00%	8	-	-	-	9	6,100	393,564	-5,00%	10	7,600	393,489	15	-	-	16	-	-	17	-	-	18	-	-	33	8,388	392,964	-1,0	0,5
428+1,896			33	- 8,640	394,229	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,189	9	- 6,100	393,564	-5,00%	8	-	-	-	7	- 3,600	393,689	-3,00%	393,632	393,797	0,165	7	3,600	393,689	-3,00%	8	-	-	-	9	6,100	393,564	-5,00%	10	7,600	393,489	15	-	-	16	-	-	17	-	-	18	-	-	33	8,345	392,992	-1,0	0,5
429+0,000			33	- 8,871	394,442	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,171	9	- 6,100	393,546	-5,00%	8	-	-	-	7	- 3,600	393,671	-3,00%	393,779	393,779	0,000	7	3,600	393,671	-3,00%	8	-	-	-	9	6,100	393,546	-5,00%	10	7,600	393,471	15	-	-	16	-	-	17	-	-	18	-	-	33	7,795	393,341	-1,3	0,1
430+0,000			33	- 8,945	394,456	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,111	9	- 6,100	393,486	-5,00%	8	-	-	-	7	- 3,600	393,611	-3,00%	393,817	393,719	-0,098	7	3,600	393,611	-3,00%	8	-	-	-	9	6,100	393,486	-5,00%	10	7,600	393,411	15	-	-	16	-	-	17	-	-	18	-	-	33	7,628	393,392	-1,3	0,0
431+0,000			33	- 9,089	394,496	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	393,007	9	- 6,100	393,382	-5,00%	8	-	-	-	7	- 3,600	393,507	-3,00%	393,882	393,615	-0,267	7	3,600	393,507	-3,00%	8	-	-	-	9	6,100	393,382	-5,00%	10	7,600	393,007	15	-	-	16	-	-	17	-	-	18	-	-	33	7,976	393,383	-1,5	-0,4
431+5,000			33	- 9,135	394,508	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	392,974	9	- 6,100	393,349	-5,00%	8	-	-	-	7	- 3,600	393,474	-3,00%	393,904	393,582	-0,322	7	3,600	393,474	-3,00%	8	-	-	-	9	6,100	393,349	-5,00%	10	7,600	392,972	15	-	-	16	-	-	17	-	-	18	-	-	33	8,005	393,379	-1,5	-0,4
432+0,000			33	- 9,181	394,441	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	392,860	9	- 6,100	393,235	-5,00%	8	-	-	-	7	- 3,600	393,360	-3,00%	393,873	393,468	-0,404	7	3,600	393,360	-3,00%	8	-	-	-	9	6,100	393,235	-5,00%	10	7,600	392,860	15	-	-	16	-	-	17	-	-	18	-	-	33	8,090	393,350	-1,6	-0,5
433+0,000			33	- 9,237	394,307	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	392,670	9	- 6,100	393,045	-5,00%	8	-	-	-	7	- 3,600	393,170	-3,00%	393,712	393,278	-0,434	7	3,600	393,170	-3,00%	8	-	-	-	9	6,100	393,045	-5,00%	10	7,600	392,670	15	-	-	16	-	-	17	-	-	18	-	-	33	8,097	393,167	-1,6	-0,5
434+0,000			33	- 9,354	394,191	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	392,437	9	- 6,100	392,812	-5,00%	8	-	-	-	7	- 3,600	392,937	-3,00%	393,539	393,045	-0,494	7	3,600	392,937	-3,00%	8	-	-	-	9	6,100	392,812	-5,00%	10	7,600	392,437	15	-	-	16	-	-	17	-	-	18	-	-	33	8,130	392,967	-1,8	-0,5
435+0,000			33	- 9,393	393,954	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	392,161	9	- 6,100	392,536	-5,00%	8	-	-	-	7	- 3,600	392,661	-3,00%	393,202	392,769	-0,433	7	3,600	392,661	-3,00%	8	-	-	-	9	6,100	392,536	-5,00%	10	7,600	392,161	15	-	-	16	-	-	17	-	-	18	-	-	33	8,195	392,756	-1,8	-0,6
436+0,000			33	- 9,434	393,675	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	391,841	9	- 6,100	392,216	-5,00%	8	-	-	-	7	- 3,600	392,341	-3,00%	393,017	392,449	-0,568	7	3,600	392,341	-3,00%	8	-	-	-	9	6,100	392,216	-5,00%	10	7,600	391,841	15	-	-	16	-	-	17	-	-	18	-	-	33	8,301	392,542	-1,8	-0,7
436+5,000		PTV	33	- 9,449	393,604	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	391,755	9	- 6,100	392,130	-5,00%	8	-	-	-	7	- 3,600	392,255	-3,00%	392,997	392,363	-0,635	7	3,600	392,255	-3,00%	8	-	-	-	9	6,100	392,130	-5,00%	10	7,600	391,755	15	-	-	16	-	-	17	-	-	18	-	-	33	8,321	392,476	-1,8	-0,7
437+0,000			33	- 9,515	393,406	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	391,491	9	- 6,100	391,866	-5,00%	8	-	-	-	7	- 3,600	391,991	-3,00%	392,808	392,099	-0,709	7	3,600	391,991	-3,00%	8	-	-	-	9	6,100	391,866	-5,00%	10	7,600	391,491	15	-	-	16	-	-	17	-	-	18	-	-	33	8,444	392,335	-1,9	-0,8
438+0,000			33	- 9,420	392,959	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	391,139	9	- 6,100	391,514	-5,00%	8	-	-	-	7	- 3,600	391,639	-3,00%	392,523	391,747	-0,776	7	3,600	391,639	-3,00%	8	-	-	-	9	6,100	391,514	-5,00%	10	7,600	391,139	15	-	-	16	-	-	17	-	-	18	-	-	33	8,297	391,836	-1,8	-0,7
439+0,000			33	- 9,605	392,792	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	390,787	9	- 6,100	391,162	-5,00%	8	-	-	-	7	- 3,600	391,287	-3,00%	391,996	391,395	-0,601	7	3,600	391,287	-3,00%	8	-	-	-	9	6,100	391,162	-5,00%	10	7,600	390,787	15	-	-	16	-	-	17	-	-	18	-	-	33	8,197	391,384	-2,0	-0,6
440+0,000			33	- 9,303	392,139	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	390,436	9	- 6,100	390,811	-5,00%	8	-	-	-	7	- 3,600	390,936	-3,00%	391,393	391,044	-0,350	7	3,600	390,936	-3,00%	8	-	-	-	9	6,100	390,811	-5,00%	10	7,600	390,436	15	-	-	16	-	-	17	-	-	18	-	-	33	8,008	390,844	-1,7	-0,4
441+0,000			33	- 9,064	391,548	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	390,084	9	- 6,100	390,459	-5,00%	8	-	-	-	7	- 3,600	390,584	-3,00%	390,930	390,692	-0,239	7	3,600	390,584	-3,00%	8	-	-	-	9	6,100	390,459	-5,00%	10	7,600	390,084	15	-	-	16	-	-	17	-	-	18	-	-	33	7,887	390,371	-1,5	-0,3
442+0,000			33	- 8,863	390,995	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	389,732	9	- 6,100	390,107	-5,00%	8	-	-	-	7	- 3,600	390,232	-3,00%	390,376	390,340	-0,036	7	3,600	390,232	-3,00%	8	-	-	-	9	6,100	390,107	-5,00%	10	7,600	390,032	15	-	-	16	-	-	17	-	-	18	-	-	33	7,762	389,924	-1,3	0,1
443+0,000			33	- 8,724	390,504	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	389,380	9	- 6,100	389,755	-5,00%	8	-	-	-	7	- 3,600	389,880	-3,00%	389,810	389,988	0,178	7	3,600	389,880	-3,00%	8	-	-	-	9	6,100	389,755	-5,00%	10	7,600	389,680	15	-	-	16	-	-	17	-	-	18	-	-	33	8,122	389,332	-1,1	0,3
443+5,000		PCV	33	- 8,664	390,357	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	389,292	9	- 6,100	389,667	-5,00%	8	-	-	-	7	- 3,600	389,792	-3,00%	389,675	389,900	0,226	7	3,600	389,792	-3,00%	8	-	-	-	9	6,100	389,667	-5,00%	10	7,600	389,592	15	-	-	16	-	-	17	-	-	18	-	-	33	8,206	389,188	-1,1	0,4
444+0,000			33	- 8,390	389,825	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	389,035	9	- 6,100	389,410	-5,00%	8	-	-	-	7	- 3,600	389,535	-3,00%	389,229	389,643	0,414	7	3,600	389,535	-3,00%	8	-	-	-	9	6,100	389,410	-5,00%	10	7,600	389,335	15	-	-	16	-	-	17	-	-	18	-	-	33	8,393	388,806	-0,8	0,5
445+0,000			33	- 8,093	389,204	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	388,710	9	- 6,100	389,085	-5,00%	8	-	-	-	7	- 3,600	389,210	-3,00%	388,925	389,318	0,393	7	3,600	389,210	-3,00%	8	-	-	-	9	6,100	389,085	-5,00%	10	7,600	389,010	15	-	-	16	-	-	17	-	-	18	-	-	33	8,602	388,343	-0,5	0,7
446+0,000			33	- 8,063	388,872	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	388,408	9	- 6,100	388,783	-5,00%	8	-	-	-	7	- 3,600	388,908	-3,00%	388,362	389,016	0,654	7	3,600	388,908	-3,00%	8	-	-	-	9	6,100	388,783	-5,00%	10	7,600	388,708	15	-	-	16	-	-	17	-	-	18	-	-	33	8,858	387,870	-0,5	0,8
447+0,000			33	- 7,749	388,329	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	388,428	9	- 6,100	388,503	-5,00%	8	-	-	-	7	- 3,600	388,628	-3,00%	387,884	388,736	0,852	7	3,600	388,628	-3,00%	8	-	-	-	9	6,100	388,503	-5,00%	10	7,600	388,428	15	-	-	16	-	-	17	-	-	18	-	-	33	9,153	387,393	0,1	1,0
448+0,000			33	- 8,003	387,901	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	388,170	9	- 6,100	388,245	-5,00%	8	-	-	-	7	- 3,600	388,370	-3,00%	387,488	388,478	0,991	7	3,600	388,370	-3,00%	8	-	-	-	9	6,100	388,245	-5,00%	10	7,600	388,170	15	-	-	16	-	-	17	-	-	18	-	-	33	9,435	386,947	0,3	1,2
448+5,000			33	- 8,053	387,804	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	388,109	9	- 6,100	388,184	-5,00%	8	-	-	-	7	- 3,600	388,309	-3,00%	387,387	388,417	1,030	7	3,600	388,309	-3,00%	8	-	-	-	9	6,100	388,184	-5,00%	10	7,600	388,109	15	-	-	16	-	-	17	-	-	18	-	-	33	9,509	386,836	0,3	1,3
449+0,000			33	- 8,210	387,527	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	387,934	9	- 6,100	388,009	-5,00%	8	-	-	-	7	- 3,600	388,134	-3,00%	387,050	388,242	1,192	7	3,600	388,134	-3,00%	8	-	-	-	9	6,100	388,009	-5,00%	10	7,600	387,934	15	-	-	16	-	-	17	-	-	18	-	-	33	9,745	386,504	0,4	1,4
450+0,000			33	- 8,450	387,153	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	387,720	9	- 6,100	387,795	-5,00%	8	-	-	-	7	- 3,600	387,920	-3,00%	386,629	388,028	1,400	7	3,600	387,920	-3,00%	8	-	-	-	9	6,100	387,795	-5,00%	10	7,600	387,720	15	-	-	16	-	-	17	-	-	18	-	-	33	10,001	386,120	0,6	1,6
451+0,000			33	- 8,813	386,720	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	387,528	9	- 6,100	387,603	-5,00%	8	-	-	-	7	- 3,600	387,728	-3,00%	386,144	387,836	1,692	7	3,600	387,728	-3,00%	8	-	-	-	9	6,100	387,603	-5,00%	10	7,600	387,528	15	-	-	16	-	-	17	-	-	18	-	-	33	10,311	385,721	0,8	1,8
452+0,000			33	- 9,209	386,286	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	387,358	9	- 6,100	387,433	-5,00%	8	-	-	-	7	- 3,600	387,558	-3,00%	385,751	387,666	1,916	7	3,600	387,558	-3,00%	8	-	-	-	9	6,100	387,433	-5,00%	10	7,600	387,358	15	-	-	16	-	-	17	-	-	18	-	-	33	10,651	385,325	1,1	2,0
453+0,000			33	- 9,527	385,926	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	387,211	9	- 6,100	387,286	-5,00%	8	-	-	-	7	- 3,600	387,411	-3,00%	385,431	387,519	2,088	7	3,600	387,411	-3,00%	8	-	-	-	9	6,100	387,286	-5,00%	10	7,600	387,211	15	-	-	16	-	-	17	-	-	18	-	-	33	11,007	384,939	1,3	2,3
453+5,000		PTV	33	- 9,614	385,834	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	387,177	9	- 6,100	387,252	-5,00%	8	-	-	-	7	- 3,600	387,377	-3,00%	385,352	387,485	2,133	7	3,600	387,377	-3,00%	8	-	-	-	9	6,100	387,252	-5,00%	10	7,600	387,177	15	-	-	16	-	-	17	-	-	18	-	-	33	11,103	384,842	1,3	2,3
454+0,000			33	- 9,775	385,628	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	387,079	9	- 6,100	387,154	-5,00%	8	-	-	-	7	- 3,600	387,279	-3,00%	385,286	387,387	2,100	7	3,600	387,279	-3,00%	8	-	-	-	9	6,100	387,154	-5,00%	10	7,600	387,079	15	-	-	16	-	-	17	-	-	18	-	-	33	11,441	384,518	1,5	2,6
455+0,000			33	- 9,742	385,519	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,947	9	- 6,100	387,022	-5,00%	8	-	-	-	7	- 3,600	387,147	-3,00%	385,265	387,255	1,990	7	3,600	387,147	-3,00%	8	-	-	-	9	6,100	387,022	-5,00%	10	7,600	386,947	15	-	-	16	-	-	17	-	-	18	-	-	33	11,904	384,078	1,4	2,9
456+0,000			33	- 9,560	385,510	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,816	9	- 6,100	386,891	-5,00%	8	-	-	-	7	- 3,600	387,016	-3,00%	385,282	387,124	1,842	7	3,600	387,016	-3,00%	8	-	-	-	9	6,100	386,891	-5,00%	10	7,600	386,816	15	-	-	16	-	-	17	-	-	18	-	-	33	11,536	384,192	1,3	2,6
457+0,000			33	- 9,094	385,689	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,685	9	- 6,100	386,760	-5,00%	8	-	-	-	7	- 3,600	386,885	-3,00%	385,142	386,993	1,851	7	3,600	386,885	-3,00%	8	-	-	-	9	6,100	386,760	-5,00%	10	7,600	386,685	15	-	-	16	-	-	17	-	-	18	-	-	33	11,039	384,392	1,0	2,3
458+0,000			33	- 8,685	385,830	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,553	9	- 6,100	386,628	-5,00%	8	-	-	-	7	- 3,600	386,753	-3,00%	385,224	386,861	1,638	7	3,600	386,753	-3,00%	8	-	-	-	9	6,100	386,628	-5,00%	10	7,600	386,553	15	-	-	16	-	-	17	-	-	18	-	-	33	10,513	384,611	0,7	1,9
459+0,000			33	- 8,050	386,122	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,422	9	- 6,100	386,497	-5,00%	8	-	-	-	7	- 3,600	386,622	-3,00%	385,584	386,730	1,147	7	3,600	386,622	-3,00%	8	-	-	-	9	6,100	386,497	-5,00%	10	7,600	386,422	15	-	-	16	-	-	17	-	-	18	-	-	33	9,579	385,103	0,3	1,3
460+0,000			33	- 7,811	386,432	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	386,291	9	- 6,100	386,366	-5,00%	8	-	-	-	7	- 3,600	386,491	-3,00%	386,046	386,599	0,553	7	3,600	386,491	-3,00%	8	-	-	-	9	6,100	386,366	-5,00%	10	7,600	386,291	15	-	-	16	-	-	17	-	-	18	-	-	33	8,469	385,711	-0,1	0,6
461+0,000			33	- 8,783	387,042	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	385,860	9	- 6,100	386,235	-5,00%	8	-	-	-	7	- 3,600	386,360	-3,00%	386,599	386,468	-0,131	7	3,600	386,360	-3,00%	8	-	-	-	9	6,100	386,235	-5,00%	10	7,600	385,860	15	-	-	16	-	-	17	-	-	18	-	-	33	7,996	386,255	-1,2	-0,4
462+0,000			33	- 21,978	388,255	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	385,755	9	- 6,100	386,103	-5,00%	8	-	-	-	7	- 3,600	386,228	-3,00%	387,208	386,336	-0,872	7	3,600	386,228	-3,00%	8	-	-	-	9	6,100	386,103	-5,00%	10	7,492	385,755	15	-	-	16	-	-	17	-	-	18	-	-	33	23,267	386,285	-2,8	-1,0
462+9,010			33	- 22,623	388,564	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	385,696	9	- 6,100	386,044	-5,00%	8	-	-	-	7	- 3,600	386,169	-3,00%	387,502	386,277	-1,224	7	3,600	386,169	-3,00%	8	-	-	-	9	6,100	386,044	-5,00%	10	7,492	385,696	15	-	-	16	-	-	17	-	-	18	-	-	33	23,862	386,565	-3,2	-1,3
463+0,000			33	- 23,409	388,941	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	385,624	9	- 6,100	385,972	-5,00%	8	-	-	-	7	- 3,600	386,097	-3,00%	387,880	386,205	-1,675	7	3,600	386,097	-3,00%	8	-	-	-	9	6,100	385,972	-5,00%	10	7,492	385,624	15	-	-	16	-	-	17	-	-	18	-	-	33	24,587	386,908	-3,6	-1,7
464+0,000			33	- 24,847	389,631	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	385,493	9	- 6,100	385,841	-5,00%	8	-	-	-	7	- 3,600	385,966	-3,00%	388,582	386,074	-2,508	7	3,600	385,966	-3,00%	8	-	-	-	9	6,100	385,841	-5,00%	10	7,492	385,493	15	-	-	16	-	-	17	-	-	18	-	-	33	25,882	387,516	-4,4	-2,4
465+0,000			33	- 26,330	390,347	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	385,361	9	- 6,100	385,709	-5,00%	8	-	-	-	7	- 3,600	385,834	-3,00%	389,267	385,942	-3,324	7	3,600	385,834	-3,00%	8	-	-	-	9	6,100	385,709	-5,00%	10	7,492	385,361	15	-	-	16	-	-	17	-	-	18	-	-	33	27,179	388,126	-5,3	-3,2
465+5,000		PCV	33	- 26,635	390,489	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	385,329	9	- 6,100	385,677	-5,00%	8	-	-	-	7	- 3,600	385,802	-3,00%	389,435	385,910	-3,525	7	3,600	385,802	-3,00%	8	-	-	-	9	6,100	385,677	-5,00%	10	7,492	385,329	15	-	-	16	-	-	17	-	-	18	-	-	33	27,503	388,278	-5,4	-3,4
466+0,000			33	- 27,396	390,817	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	385,222	9	- 6,100	385,570	-5,00%	8	-	-	-	7	- 3,600	385,695	-3,00%	389,855	385,803	-4,052	7	3,600	385,695	-3,00%	8	-	-	-	9	6,100	385,570	-5,00%	10	7,492	385,222	15	-	-	16	-	-	17	-	-	18	-	-	33	28,238	388,592	-5,9	-3,8
466+19,333			33	- 28,483	391,276	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	385,059	9	- 6,100	385,407	-5,00%	8	-	-	-	7	- 3,600	385,532	-3,00%	390,219	385,640	-4,579	7	3,600	385,532	-3,00%	8	-	-	-	9	6,100	385,407	-5,00%	10	7,492	385,059	15	-	-	16	-	-	17	-	-	18	-	-	33	29,207	388,983	-6,5	-4,3
467+0,000			33	- 28,523	391,292	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	385,053	9	- 6,100	385,401	-5,00%	8	-	-	-	7	- 3,600	385,526	-3,00%	390,229	385,634	-4,595	7	3,600	385,526	-3,00%	8	-	-	-	9	6,100	385,401	-5,00%	10	7,492	385,053	15	-	-	16	-	-	17	-	-	18	-	-	33	29,241	388,996	-6,5	-4,4
468+0,000			33	- 29,065	391,404	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	384,855	9	- 6,100	385,203	-5,00%	8	-	-	-	7	- 3,600	385,328	-3,00%	390,394	385,436	-4,958	7	3,600	385,328	-3,00%	8	-	-	-	9	6,100	385,203	-5,00%	10	7,492	384,855	15	-	-	16	-	-	17	-	-	18	-	-	33	29,646	389,029	-6,8	-4,6
469+0,000			33	- 29,426	391,382	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	384,627	9	- 6,100	384,975	-5,00%	8	-	-	-	7	- 3,600	385,100	-3,00%	390,240	385,208	-5,032	7	3,600	385,100	-3,00%	8	-	-	-	9	6,100	384,975	-5,00%	10	7,492	384,627	15	-	-	16	-	-	17	-	-	18	-	-	33	29,871	388,930	-7,0	-4,7
470+0,000			33	- 28,912	390,831	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	384,369	9	- 6,100	384,717	-5,00%	8	-	-	-	7	- 3,600	384,842	-3,00%	389,879	384,950	-4,929	7	3,600	384,842	-3,00%	8	-	-	-	9	6,100	384,717	-5,00%	10	7,492	384,369	15	-	-	16	-	-	17	-	-	18	-	-	33	29,883	388,679	-6,7	-4,7
471+0,000			33	- 28,436	390,271	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	384,081	9	- 6,100	384,429	-5,00%	8	-	-	-	7	- 3,600	384,554	-3,00%	389,318	384,662	-4,656	7	3,600	384,554	-3,00%	8	-	-	-	9	6,100	384,429	-5,00%	10	7,492	384,081	15	-	-	16	-	-	17	-	-	18	-	-	33	29,420	388,127	-6,5	-4,5
472+0,000			33	- 27,537	389,440	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	383,764	9	- 6,100	384,112	-5,00%	8	-	-	-	7	- 3,600	384,237	-3,00%	388,539	384,345	-4,194	7	3,600	384,237	-3,00%	8	-	-	-	9	6,100	384,112	-5,00%	10	7,492	383,764	15	-	-	16	-	-	17	-	-	18	-	-	33	28,836	387,476	-6,0	-4,1
472+5,000			33	- 27,306	389,224	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	383,680	9	- 6,100	384,028	-5,00%	8	-	-	-	7	- 3,600	384,153	-3,00%	388,330	384,261	-4,069	7	3,600	384,153	-3,00%	8	-	-	-	9	6,100	384,028	-5,00%	10	7,492	383,680	15	-	-	16	-	-	17	-	-	18	-	-	33	28,636	387,277	-5,8	-4,0
473+0,000			33	- 26,636	388,578	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	383,417	9	- 6,100	383,765	-5,00%	8	-	-	-	7	- 3,600	383,890	-3,00%	387,671	383,998	-3,673	7	3,600	383,890	-3,00%	8	-	-	-	9	6,100	383,765	-5,00%	10	7,492	383,417	15	-	-	16	-	-	17	-	-	18	-	-	33	28,058	386,684	-5,4	-3,7
473+14,817	TE		33	- 25,816	387,833	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	383,140	9	- 6,100	383,489	-5,00%	8	-	-	-	7	- 3,600	383,614	-3,00%	387,026	383,722	-3,305	7	3,600	383,614	-3,00%	8	-	-	-	9	6,100	383,489	-5,00%	10	7,492	383,140	15	-	-	16	-	-	17	-	-	18	-	-	33	27,451	386,061	-5,0	-3,3
474+0,000			33	- 25,532	387,570	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	383,040	9	- 6,100	383,388	-5,00%	8	-	-	-	7	- 3,600	383,513	-3,00%	386,803	383,621	-3,182	7	3,600	383,513	-3,00%	8	-	-	-	9	6,100	383,388	-5,00%	10	7,492	383,040	15	-	-	16	-	-	17	-	-	18	-	-	33	27,208	385,821	-4,8	-3,2
475+0,000			33	- 24,499	386,573	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	382,633	9	- 6,100	382,981	-5,00%	8	-	-	-	7	- 3,600	383,106	-3,00%	385,818	383,214	-2,603	7	3,600	383,106	-3,00%	8	-	-	-	9	6,100	382,981	-5,00%	10	7,492	382,633	15	-	-	16	-	-	17	-	-	18	-	-	33	26,307	384,900	-4,2	-2,7
476+0,000			33	- 23,504	385,568	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	382,197	9	- 6,100	382,545	-5,00%	8	-	-	-	7	- 3,600	382,670	-3,00%	384,810	382,778	-2,032	7	3,600	382,670	-3,00%	8	-	-	-	9	6,100	382,545	-5,00%	10	7,492	382,197	15	-	-	16	-	-	17	-	-	18	-	-	33	25,454	383,976	-3,7	-2,2
477+0,000			33	- 22,570	384,568	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	381,730	9	- 6,100	382,078	-5,00%	8	-	-	-	7	- 3,600	382,203	-3,00%	383,833	382,311	-1,521	7	3,600	382,203	-3,00%	8	-	-	-	9	6,100	382,078	-5,00%	10	7,492	381,730	15	-	-	16	-	-	17	-	-	18	-	-	33	24,600	383,022	-3,1	-1,7
478+0,000			33	- 9,486	383,093	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	381,207	9	- 6,100	381,582	-5,00%	8	-	-	-	7	- 3,600	381,707	-3,00%	382,851	381,815	-1,036	7	3,600	381,707	-3,00%	8	-	-	-	9	6,100	381,582	-5,00%	10	7,600	381,207	15	-	-	16	-	-	17	-	-	18	-	-	33	8,988	382,596	-1,9	-1,4
478+5,139			33	- 9,346	382,821	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	381,075	9	- 6,100	381,450	-5,00%	8	-	-	-	7	- 3,600	381,575	-3,00%	382,599	381,683	-0,916	7	3,600	381,575	-3,00%	8	-	-	-	9	6,100	381,450	-5,00%	10	7,600	381,075	15	-	-	16	-	-	17	-	-	18	-	-	33	8,857	382,332	-1,7	-1,3
479+0,000			33	- 9,124	382,214	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	380,690	9	- 6,100	381,065	-4,67%	8	-	-	-	7	- 3,600	381,182	-3,00%	381,909	381,290	-0,620	7	3,600	381,182	-3,00%	8	-	-	-	9	6,100	381,065	-4,67%	10	7,600	380,690	15	-	-	16	-	-	17	-	-	18	-	-	33	8,524	381,614	-1,5	-0,9
479+5,000		PTV	33	- 9,075	382,031	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	380,556	9	- 6,100	380,931	-4,56%	8	-	-	-	7	- 3,600	381,045	-3,00%	381,679	381,153	-0,526	7	3,600	381,045	-3,00%	8	-	-	-	9	6,100	380,931	-4,56%	10	7,600	380,556	15	-	-	16	-	-	17	-	-	18	-	-	33	8,417	381,374	-1,5	-0,8
480+0,000			33	- 8,660	381,213	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	380,154	9	- 6,100	380,529	-4,23%	8	-	-	-	7	- 3,600	380,634	-3,00%	381,015	380,742	-0,272	7	3,600	380,634	-3,00%	8	-	-	-	9	6,100	380,529	-4,23%	10	7,600	380,154	15	-	-	16	-	-	17	-	-	18	-	-	33	8,102	380,655	-1,1	-0,5
480+10,300			33	- 8,342	380,619	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	379,877	9	- 6,100	380,252	-4,00%	8	-	-	-	7	- 3,600	380,352	-3,00%	380,250	380,460	0,210	7	3,600	380,352	-3,00%	8	-	-	-	9	6,100	380,252	-4,00%	10	7,600	380,177	15	-	-	16	-	-	17	-	-	18	-	-	33	8,706	379,439	-0,7	0,7
480+14,817	EC		33	- 8,210	380,362	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	379,752	9	- 6,100	380,127	-3,90%	8	-	-	-	7	- 3,600	380,225	-3,10%	380,210	380,336	0,126	7	3,600	380,225	-3,10%	8	-	-	-	9	6,100	380,127	-3,90%	10	7,600	380,052	15	-	-	16	-	-	17	-	-	18	-	-	33	8,792	379,258	-0,6	0,8
481+0,000			33	- 8,178	380,188	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	379,610	9	- 6,100	379,985	-3,90%	8	-	-	-	7	- 3,600	380,083	-3,10%	379,351	380,194	0,843	7	3,600	380,083	-3,10%	8	-	-	-	9	6,100	379,985	-3,90%	10	7,600	379,910	15	-	-	16	-	-	17	-	-	18	-	-	33	8,701	379,176	-0,6	0,7
481+4,605			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	379,859	9	- 6,100	379,859	-3,88%	8	-	-	-	7	- 3,600	379,956	-3,10%	379,160	380,068	0,908	7	3,600	379,956	-3,10%	8	-	-	-	9	6,100	379,859	-3,88%	10	6,500	379,859	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
481+9,158			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	379,734	9	- 6,100	379,734	-3,92%	8	-	-	-	7	- 3,600	379,832	-3,10%	379,086	379,943	0,857	7	3,600	379,832	-3,10%	8	-	-	-	9	6,100	379,734	-3,92%	10	6,500	379,734	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
482+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	379,437	9	- 6,100	379,437	-3,90%	8	-	-	-	7	- 3,600	379,534	-3,10%	376,711	379,646	2,935	7	3,600	379,534	-3,10%	8	-	-	-	9	6,100	379,437	-3,90%	10	6,500	379,437	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
483+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	378,889	9	- 6,100	378,889	-3,90%	8	-	-	-	7	- 3,600	378,986	-3,10%	368,487	379,098	10,611	7	3,600	378,986	-3,10%	8	-	-	-	9	6,100	378,889	-3,90%	10	6,500	378,889	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
484+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	378,340	9	- 6,100	378,340	-3,90%	8	-	-	-	7	- 3,600	378,438	-3,10%	374,355	378,550	4,195	7	3,600	378,438	-3,10%	8	-	-	-	9	6,100	378,340	-3,90%	10	6,500	378,340	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
484+19,481			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	377,807	9	- 6,100	377,807	-3,88%	8	-	-	-	7	- 3,600	377,904	-3,10%	376,803	378,016	1,213	7	3,600	377,904	-3,10%	8	-	-	-	9	6,100	377,807	-3,88%	10	6,500	377,807	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
485+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	377,792	9	- 6,100	377,792	-3,90%	8	-	-	-	7	- 3,600	377,890	-3,10%	376,784	378,001	1,218	7	3,600	377,890	-3,10%	8	-	-	-	9	6,100	377,792	-3,90%	10	6,500	377,792	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
485+4,605			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	377,666	9	- 6,100	377,666	-3,92%	8	-	-	-	7	- 3,600	377,764	-3,10%	376,604	377,875	1,271	7	3,600	377,764	-3,10%	8	-	-	-	9	6,100	377,666	-3,92%	10	6,500	377,666	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
485+9,795			33	- 8,644	376,753	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	377,449	9	- 6,100	377,524	-3,88%	8	-	-	-	7	- 3,600	377,621	-3,10%	376,428	377,733	1,305	7	3,600	377,621	-3,10%	8	-	-	-	9	6,100	377,524	-3,88%	10	7,600	377,449	15	-	-	16	-	-	17	-	-	18	-	-	33	9,498	376,183	0,7	1,3
486+0,000			33	- 8,754	376,400	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	377,169	9	- 6,100	377,244	-3,90%	8	-	-	-	7	- 3,600	377,342	-3,10%	376,102	377,453	1,351	7	3,600	377,342	-3,10%	8	-	-	-	9	6,100	377,244	-3,90%	10	7,600	377,169	15	-	-	16	-	-	17	-	-	18	-	-	33	9,687	375,778	0,8	1,4
487+0,000			33	- 8,915	375,745	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	376,621	9	- 6,100	376,696	-3,90%	8	-	-	-	7	- 3,600	376,793	-3,10%	375,434	376,905	1,471	7	3,600	376,793	-3,10%	8	-	-	-	9	6,100	376,696	-3,90%	10	7,600	376,621	15	-	-	16	-	-	17	-	-	18	-	-	33	9,666	375,244	0,9	1,4
487+10,000		PCV	33	- 9,003	375,412	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	376,347	9	- 6,100	376,422	-3,90%	8	-	-	-	7	- 3,600	376,519	-3,10%	375,091	376,631	1,539	7	3,600	376,519	-3,10%	8	-	-	-	9	6,100	376,422	-3,90%	10	7,600	376,347	15	-	-	16	-	-	17	-	-	18	-	-	33	9,832	374,859	0,9	1,5
488+0,000			33	- 9,209	374,995	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	376,068	9	- 6,100	376,143	-3,90%	8	-	-	-	7	- 3,600	376,240	-3,10%	374,735	376,352	1,617	7	3,600	376,240	-3,10%	8	-	-	-	9	6,100	376,143	-3,90%	10	7,600	376,068	15	-	-	16	-	-	17	-	-	18	-	-	33	10,060	374,427	1,1	1,6
489+0,000			33	- 9,271	374,365	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	375,479	9	- 6,100	375,554	-3,90%	8	-	-	-	7	- 3,600	375,651	-3,10%	373,999	375,763	1,764	7	3,600	375,651	-3,10%	8	-	-	-	9	6,100	375,554	-3,90%	10	7,600	375,479	15	-	-	16	-	-	17	-	-	18	-	-	33	10,384	373,623	1,1	1,9
490+0,000			33	- 9,223	373,767	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	374,849	9	- 6,100	374,924	-3,90%	8	-	-	-	7	- 3,600	375,021	-3,10%	373,374	375,133	1,759	7	3,600	375,021	-3,10%	8	-	-	-	9	6,100	374,924	-3,90%	10	7,600	374,849	15	-	-	16	-	-	17	-	-	18	-	-	33	10,422	372,967	1,1	1,9
490+10,000		PTV	33	- 9,195	373,455	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	374,518	9	- 6,100	374,593	-3,90%	8	-	-	-	7	- 3,600	374,691	-3,10%	373,088	374,802	1,714	7	3,600	374,691	-3,10%	8	-	-	-	9	6,100	374,593	-3,90%	10	7,600	374,518	15	-	-	16	-	-	17	-	-	18	-	-	33	10,363	372,676	1,1	1,8
491+0,000			33	- 9,169	373,137	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	374,183	9	- 6,100	374,258	-3,90%	8	-	-	-	7	- 3,600	374,355	-3,10%	372,788	374,467	1,679	7	3,600	374,355	-3,10%	8	-	-	-	9	6,100	374,258	-3,90%	10	7,600	374,183	15	-	-	16	-	-	17	-	-	18	-	-	33	10,274	372,400	1,0	1,8
492+0,000			33	- 9,064	372,536	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	373,512	9	- 6,100	373,587	-3,90%	8	-	-	-	7	- 3,600	373,684	-3,10%	372,157	373,796	1,639	7	3,600	373,684	-3,10%	8	-	-	-	9	6,100	373,587	-3,90%	10	7,600	373,512	15	-	-	16	-	-	17	-	-	18	-	-	33	10,196	371,781	1,0	1,7
493+0,000			33	- 9,036	371,883	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	372,841	9	- 6,100	372,916	-3,90%	8	-	-	-	7	- 3,600	373,013	-3,10%	371,546	373,125	1,579	7	3,600	373,013	-3,10%	8	-	-	-	9	6,100	372,916	-3,90%	10	7,600	372,841	15	-	-	16	-	-	17	-	-	18	-	-	33	10,008	371,236	1,0	1,6
493+11,476			33	- 9,010	371,516	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	372,456	9	- 6,100	372,531	-3,90%	8	-	-	-	7	- 3,600	372,628	-3,10%	371,206	372,740	1,534	7	3,600	372,628	-3,10%	8	-	-	-	9	6,100	372,531	-3,90%	10	7,600	372,456	15	-	-	16	-	-	17	-	-	18	-	-	33	9,945	370,893	0,9	1,6
494+0,000			33	- 8,988	371,264	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	372,190	9	- 6,100	372,265	-3,10%	8	- 3,982	372,331	-3,10%	7	- 3,600	372,343	-3,10%	370,956	372,454	1,498	7	3,600	372,343	-3,10%	8	-	-	-	9	6,100	372,245	-3,90%	10	7,600	372,170	15	-	-	16	-	-	17	-	-	18	-	-	33	9,923	370,621	0,9	1,5
495+0,000			33	- 8,811	370,735	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,636	371,518	9	- 6,136	371,593	-3,10%	8	- 4,936	371,630	-3,10%	7	- 3,600	371,672	-3,10%	370,221	371,783	1,562	7	3,600	371,672	-3,10%	8	-	-	-	9	6,100	371,574	-3,90%	10	7,600	371,499	15	-	-	16	-	-	17	-	-	18	-	-	33	9,866	369,989	0,8	1,5
495+5,955			33	- 9,006	370,596	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,936	371,309	9	- 6,436	371,384	-3,10%	8	- 5,236	371,421	-3,10%	7	- 3,600	371,472	-3,10%	369,981	371,583	1,602	7	3,600	371,472	-3,10%	8	-	-	-	9	6,100	371,374	-3,90%	10	7,600	371,299	15	-	-	16	-	-	17	-	-	18	-	-	33	9,868	369,787	0,7	1,5
496+0,000			33	- 9,679	370,145	18	-	-	17	-	-	16	-	-	15	-	-	10	- 8,674	370,815	9	- 7,174	370,890	-3,10%	8	- 5,973	370,927	-3,10%	7	- 3,600	371,001	-3,10%	369,685	371,112	1,427	7	3,600	371,001	-3,10%	8	4,440	370,975	-3,10%	9	6,100	370,923	-3,10%	10	7,600	370,848	15	-	-	16	-	-	17	-	-	18	-	-	33	9,775	369,398	0,7	1,5
496+8,097			33	- 10,094	369,878	18	-	-	17	-	-	16	-	-	15	-	-	10	- 9,117	370,530	9	- 7,617	370,605	-3,10%	8	- 6,415	370,642	-3,10%	7	- 3,600	370,729	-3,10%	369,500	370,841	1,341	7	3,600	370,729	-3,10%	8	4,898	370,689	-3,08%	9	6,100	370,652	-3,10%	10	7,600	370,577	15	-	-	16	-	-	17	-	-	18	-	-	33	9,704	369,174	0,7	1,4
497+0,000			33	- 10,561	369,597	18	-	-	17	-	-	16	-	-	15	-	-	10	- 9,793	370,109	9	- 8,293	370,184	-3,10%	8	- 7,091	370,222	-3,10%	7	- 3,600	370,330	-3,10%	369,211	370,441	1,230	7	3,600	370,330	-3,10%	8	5,537	370,270	-3,10%	9	6,739	370,232	-3,10%	10	8,239	370,157	15	-	-	16	-	-	17	-	-	18	-	-	33	10,394	368,721	0,5	1,4

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

BR-158/262-MS

LADO ESQUERDO – PLATAFORMA ACABADA / COTAS DE EIXO

ESTACA	Elementos do Projeto		Talude			Fim da Segunda Berma			Inicio da Segunda Berma			Fim da Primeira Berma			Inicio da Primeira Berma / Encontro de Talude			Fundo canaleta / Barreira			Acostamento / Faixa de Segurança / Concordância de Pista				Faixa de Aceleração ou Desaceleração				Bordo da pista				Terreno Natural	Projeto	Cota vermelha
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.			
497+1,878			33	-10,635	369,553	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,900	370,043	9	-8,400	370,118	-3,10%	8	-7,200	370,155	-3,10%	7	-3,600	370,267	-3,10%	369,165	370,378	1,213
498+0,000			33	-10,527	369,017	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,900	369,435	9	-8,400	369,510	-3,10%	8	-7,200	369,547	-3,10%	7	-3,600	369,659	-3,10%	368,722	369,770	1,048
498+8,028			33	-10,490	368,773	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,900	369,180	9	-8,400	369,241	-3,10%	8	-7,200	369,278	-3,11%	7	-3,600	369,390	-3,10%	368,509	369,501	0,992
498+14,975		PCV	33	-10,456	368,583	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,933	368,932	9	-8,433	369,007	-3,10%	8	-7,186	369,045	-3,10%	7	-3,600	369,157	-3,10%	368,276	369,268	0,992
498+15,640			33	-10,454	368,565	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,937	368,909	9	-8,437	368,984	-3,10%	8	-7,184	368,023	-31,00%	7	-3,600	369,134	-3,10%	368,254	369,246	0,992
499+0,000			33	-10,449	368,451	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,975	368,767	9	-8,475	368,842	-3,10%	8	-7,167	368,882	-3,10%	7	-3,600	368,993	-3,10%	368,108	369,105	0,997
500+0,000			33	-10,720	367,960	18	-	-	17	-	-	16	-	-	15	-	-	10	-10,354	368,204	9	-8,854	368,279	-3,10%	8	-7,287	368,328	-3,10%	7	-3,600	368,442	-3,10%	367,567	368,554	0,986
500+1,410			33	-10,778	367,929	18	-	-	17	-	-	16	-	-	15	-	-	10	-10,418	368,169	9	-8,917	368,244	-3,10%	8	-7,319	368,294	-3,09%	7	-3,600	368,409	-3,10%	367,533	368,521	0,988
501+0,000			33	-12,550	367,381	18	-	-	17	-	-	16	-	-	15	-	-	10	-11,976	367,763	9	-10,476	367,838	-3,10%	8	-8,257	367,907	-3,10%	7	-3,600	368,051	-3,10%	366,998	368,163	1,165
502+0,000			33	-15,370	367,086	18	-	-	17	-	-	16	-	-	15	-	-	10	-14,835	367,443	9	-13,335	367,518	-3,10%	8	-10,796	367,597	-3,10%	7	-3,600	367,820	-3,10%	366,567	367,931	1,364
502+10,665			33	-17,590	366,928	18	-	-	17	-	-	16	-	-	15	-	-	10	-17,006	367,317	9	-15,506	367,393	-3,10%	8	-12,939	367,472	-3,11%	7	-3,600	367,762	-3,10%	366,344	367,873	1,529
502+12,130			33	-6,100	366,503	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-6,100	367,680	-3,10%	8	-	-	-	7	-3,600	367,757	-3,10%	366,302	367,869	1,567
502+18,949			33	-6,100	366,325	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-6,100	367,651	-3,90%	8	-	-	-	7	-3,600	367,748	-3,10%	366,107	367,860	1,753
503+0,000			33	-6,100	366,298	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-6,100	367,651	-3,90%	8	-	-	-	7	-3,600	367,748	-3,10%	366,077	367,860	1,783
503+7,531			33	-8,506	366,201	18	-	-	17	-	-	16	-	-	15	-8,506	367,000	10	-7,600	367,590	9	-6,100	367,665	-3,90%	8	-	-	-	7	-3,600	367,763	-3,10%	365,872	367,874	2,002
503+8,521			33	-8,650	366,183	18	-	-	17	-	-	16	-	-	15	-8,650	366,894	10	-7,600	367,594	9	-6,100	367,669	-3,90%	8	-	-	-	7	-3,600	367,766	-3,10%	365,852	367,878	2,026
503+10,349			33	-8,919	366,154	18	-	-	17	-	-	16	-	-	15	-8,919	366,722	10	-7,600	367,601	9	-6,100	367,676	-3,90%	8	-	-	-	7	-3,600	367,774	-3,10%	365,816	367,886	2,070
503+17,463			33	-9,998	366,045	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	367,644	9	-6,100	367,719	-3,90%	8	-	-	-	7	-3,600	367,816	-3,10%	365,675	367,928	2,253
504+0,000			33	-10,102	365,996	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	367,664	9	-6,100	367,739	-3,90%	8	-	-	-	7	-3,600	367,837	-3,10%	365,625	367,948	2,323
505+0,000			33	-11,253	365,477	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	367,912	9	-6,100	367,987	-3,90%	8	-	-	-	7	-3,600	368,085	-3,10%	365,166	368,196	3,030
505+16,920			33	-12,281	365,126	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	368,247	9	-6,100	368,322	-3,90%	8	-	-	-	7	-3,600	368,419	-3,10%	364,794	368,531	3,737
506+0,000			33	-12,447	365,089	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	368,320	9	-6,100	368,395	-3,90%	8	-	-	-	7	-3,600	368,492	-3,10%	364,733	368,604	3,872
507+0,000			33	-13,635	364,865	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	368,888	9	-6,100	368,963	-3,90%	8	-	-	-	7	-3,600	369,060	-3,10%	364,319	369,172	4,853
507+4,975		PTV	33	-13,997	364,789	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	369,054	9	-6,100	369,129	-3,90%	8	-	-	-	7	-3,600	369,226	-3,10%	364,214	369,338	5,124
508+0,000			33	-15,159	364,531	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	369,570	9	-6,100	369,645	-3,90%	8	-	-	-	7	-3,600	369,743	-3,10%	363,956	369,854	5,898
508+5,000		PCV	33	-15,541	364,448	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	369,742	9	-6,100	369,817	-3,90%	8	-	-	-	7	-3,600	369,914	-3,10%	363,875	370,026	6,151
509+0,000			33	-16,632	364,199	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	370,220	9	-6,100	370,295	-3,90%	8	-	-	-	7	-3,600	370,393	-3,10%	363,602	370,505	6,903
509+14,174			33	-17,467	364,027	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	370,605	9	-6,100	370,680	-3,90%	8	-	-	-	7	-3,600	370,777	-3,10%	363,399	370,889	7,490
510+0,000			33	-17,822	363,929	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	370,744	9	-6,100	370,819	-3,90%	8	-	-	-	7	-3,600	370,916	-3,10%	363,336	371,028	7,692
510+1,931			33	-17,936	363,897	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	370,787	9	-6,100	370,862	-3,90%	8	-	-	-	7	-3,600	370,960	-3,10%	363,315	371,071	7,756
510+5,273			33	-16,365	363,751	18	-	-	17	-	-	16	-	-	15	-16,365	365,017	10	-7,600	370,860	9	-6,100	370,935	-3,90%	8	-	-	-	7	-3,600	371,032	-3,10%	363,280	371,144	7,864
511+0,000			33	-10,406	363,316	18	-	-	17	-	-	16	-	-	15	-10,406	369,265	10	-7,600	371,136	9	-6,100	371,211	-3,90%	8	-	-	-	7	-3,600	371,308	-3,10%	362,997	371,420	8,423
511+5,000			33	-8,810	363,189	18	-	-	17	-	-	16	-	-	15	-8,810	370,407	10	-7,600	371,213	9	-6,100	371,288	-3,90%	8	-	-	-	7	-7,600	371,213	-3,10%	362,898	371,497	8,600
511+5,956			33	-8,534	363,166	18	-	-	17	-	-	16	-	-	15	-8,534	370,604	10	-7,600	371,227	9	-6,100	371,302	-3,90%	8	-	-	-	7	-3,600	371,400	-3,10%	362,879	371,511	8,632
511+11,575			33	-6,100	362,987	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-6,100	371,378	-3,90%	8	-	-	-	7	-3,600	371,475	-3,10%	362,793	371,587	8,794
511+15,486			33	-32,736	363,925	18	-	-	17	-	-	16	-27,427	367,465	15	-23,427	367,065	10	-17,427	370,065	9	-15,924	371,140	-3,10%	8	-14,727	371,177	-3,10%	7	-3,600	371,522	-3,10%	362,735	371,633	8,898
512+0,000			33	-32,233	363,843	18	-	-	17	-	-	16	-26,696	367,535	15	-22,696	367,135	10	-16,696	371,135	9	-15,196	371,210	-3,10%	8	-12,697	371,287	-3,10%	7	-3,600	371,569	-3,10%	362,669	371,681	9,012
512+8,324			33	-29,438	363,620	18	-	-	17	-	-	16	-23,304	367,710	15	-19,304	367,310	10	-13,304	371,310	9	-11,804	371,385	-3,10%	8	-10,045	371,439	-3,10%	7	-3,600	371,639	-3,10%	362,546	371,751	9,205
513+0,000			33	-31,618	363,645	18	-30,711	364,250	17	-26,711	363,850	16	-20,711	367,850	15	-16,711	367,450	10	-10,711	371,450	9	-9,211	371,525	-3,10%	8	-8,034	371,561	-3,10%	7	-3,600	371,699	-3,10%	362,338	371,810	9,472
513+9,758			33	-30,811	363,549	18	-29,689	364,297	17	-25,689	363,897	16	-19,689	367,897	15	-15,689	367,497	10	-9,689	371,497	9	-8,189	371,572	-3,10%	8	-7,364	371,598	-3,08%	7	-3,600	371,714	-3,10%	362,121	371,826	9,705
513+14,464			33	-30,954	363,217	18	-29,337	364,295	17	-25,337	363,895	16	-19,337	367,904	15	-15,337	367,504	10	-9,337	371,504	9	-7,837	371,579	-3,10%	8	-7,245	371,598	-3,10%	7	-3,600	371,711	-3,10%	361,976	371,822	9,846
513+16,735			33	-31,149	363,005	18	-29,194	364,304	17	-25,200	363,904	16	-19,200	367,904	15	-15,200	367,504	10	-9,200	371,504	9	-7,700	371,579	-3,10%	8	-7,219	371,594	-3,10%	7	-3,600	371,706	-3,10%	361,901	371,818	9,917
513+19,219			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,100	371,573	9	-7,700	371,573	-3,10%	8	-7,200	371,588	-3,11%	7	-3,600	371,700	-3,10%	361,819	371,811	9,992
514+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,100	371,570	9	-7,700	371,570	-3,10%	8	-7,200	371,586	-3,10%	7	-3,600	371,697	-3,10%	361,793	371,809	10,016
514+5,000		PTV	33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,100	371,549	9	-7,700	371,549	-3,10%	8	-7,200	371,565	-3,10%	7	-3,600	371,676	-3,10%	361,792	371,788	9,996
514+5,347			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,100	371,547	9	-7,700	371,547	-3,10%	8	-7,200	371,563	-3,11%	7	-3,600	371,675	-3,10%	361,798	371,786	9,988
515+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,100	371,474	9	-7,700	371,474	-3,10%	8	-7,200	371,490	-3,10%	7	-3,600	371,601	-3,10%	362,671	371,713	9,042
516+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,100	371,374	9	-7,700	371,374	-3,10%	8	-7,200	371,390	-3,10%	7	-3,600	371,501	-3,10%	361,067	371,613	10,545
516+9,761			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,100	371,325	9	-7,700	371,325	-3,10%	8	-7,200	371,341	-3,08%	7	-3,600	371,452	-3,10%	361,111	371,564	10,453
516+13,884			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,100	371,305	9	-7,700	371,305	-3,10%	8	-7,200	371,320	-3,11%	7	-3,600	371,432	-3,10%	361,062	371,543	10,481
516+16,735			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,100	371,291	9	-7,700	371,291	-3,10%	8	-7,200	371,306	-3,10%	7	-3,600	371,418	-3,10%	361,025	371,529	10,504
516+19,633			33	-27,877	361,816	18	-	-	17	-	-	16	-23,700	364,601	15	-19,700	364,201	10	-9,200	371,201	9	-7,700	371,276	-3,10%	8	-7,200	371,292	-3,08%	7	-3,600	371,403	-3,10%	360,987	371,515	10,528
517+0,000		PCV	33	-27,892	361,805	18	-	-	17	-	-	16	-23,700	364,599	15	-19,700	364,199	10	-9,200	371,199	9	-7,700	371,274	-3,10%	8	-7,200	371,290	-3,10%	7	-3,600	371,401	-3,10%	360,982	371,513	10,531
518+0,000			33	-27,469	361,920	18	-	-	17	-	-	16	-23,700	364,433	15	-19,700	364,033	10	-9,200	371,033	9	-7,700	371,108	-3,10%	8	-7,200	371,123	-3,10%	7	-3,600	371,235	-3,10%	360,524	371,346	10,823
518+15,447			33	-27,725	361,529	18	-	-	17	-	-	16	-23,700	364,213	15	-19,700	363,813	10	-9,200	370,813	9	-7,700	370,888	-3,10%	8	-7,200	370,903	-3,11%	7	-3,600	371,015	-3,10%	360,392	371,126	10,734
518+16,548			33	-28,456	361,624	18	-	-	17	-	-	16	-23,700	364,794	15	-19,700	364,394	10	-9,200	371,394	9	-7,700	371,469	-3,10%	8	-7,200	371,485	-3,10%	7	-3,600	371,596	-3,10%	360,397	371,708	11,311
519+0,000			33	-27,831	361,592	18	-	-	17	-	-	16	-24,035	364,122	15	-20,035	363,722	10	-9,535	370,722	9	-8,035	370,797	-3,10%	8	-7,401	370,817	-3,10%	7	-3,600	370,935	-3,10%	360,412	371,046	10,634
519+0,268			33	-27,852	361,587	18	-	-	17	-	-	16	-24,057	364,117	15	-20,057	363,717	10	-9,557	370,717	9	-8,057	370,792	-3,10%	8	-7,413	370,811	-3,10%	7	-3,600	370,930	-3,10%	360,413	371,041	10,628
519+5,786			33	-28,156	361,604	18	-	-	17	-	-	16	-24,571	363,994	15	-20,571	363,594	10	-10,071	370,594	9	-8,571	370,669	-3,10%	8	-7,680	370,696	-3,11%	7	-3,600	370,823	-3,10%	360,441	370,935	10,494
520+0,000			33	-28,636	362,135	18	-	-	17	-	-	16	-26,416	363,615	15	-22,416	363,215	10	-11,916	370,215	9	-10,416	370,290	-3,10%	8	-9,003	370,334	-3,10%	7	-3,600	370,501	-3,10%	360,295	370,613	10,318
520+19,105			33	-34,298	361,715	18	-	-	17	-	-	16	-32,541	362,887	15	-28,541	362,487	10	-18,041	369,487	9	-16,541	369,562	-3,10%	8	-13,992	369,641	-3,10%	7	-3,600	369,963	-3,10%	360,011	370,074	10,063
521+0,000			33	-11,890	360,578	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-11,890	369,563	-4,48%	8	-	-	-	7	-3,600	369,935	-3,10%	359,991	370,046	10,055
521+2,223			33	-6,100	360,282	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-18,169	369,412	-3,10%	8	-	-	-	7	-3,600	369,863	-3,10%	359,943	369,975	10,032
521+10,769			33	-8,616	360,479	18	-	-	17	-	-	16	-	-	15	8,616	368,724	10	-7,600	369,402	9	-6,100	369,477	-3,10%	8	-	-	-	7	-3,600	369,574	-3,10%	360,016	369,686	9,670
522+0,000			33	-11,369	360,554	18	-	-	17	-	-	16	-	-	15	-11,369	366,550	10	-7,600	369,062	9	-6,100	369,137	-3,90%	8	-	-	-	7	-3,600	369,235	-3,10%	360,166	369,346	9,181
523+0,000		PTV	33	-23,426	360,745	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	368,229	9	-6,100	368,304	-3,90%	8	-	-	-	7	-3,600	368,401	-3,10%	360,023	368,513	8,489
524+0,000		PCV	33	-17,580	360,676	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	367,329	9	-6,100	367,404	-3,90%	8	-	-	-	7	-3,600	367,501	-3,10%	359,906	367,613	7,707
525+0,000			33	-16,522	360,560	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	366,508	9	-6,100	366,583	-3,90%	8	-	-	-	7	-3,600	366,681	-3,10%	359,959	366,792	6,833
526+0,000			33	-15,551	360,546	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	365,847	9	-6,100	365,922	-3,90%	8	-	-	-	7	-3,600	366,019	-3,10%	360,125	366,131	6,006
526+10,000			33	-15,240	360,482	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	365,576	9	-6,100	365,651	-3,90%	8	-	-	-	7	-3,600	365,748	-3,10%	360,125	365,860	5,735
527+0,000			33	-14,672	360,630	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	365,344	9	-6,100	365,419	-3,90%	8	-	-	-	7	-3,600	365,517	-3,10%	360,172	365,629	5,456
528+0,000			33	-11,308	360,798	18	-	-	17	-	-	16	-	-	15	-11,308	362,529	10	-7,600	365,001	9	-6,100	365,076	-3,90%	8	-	-	-	7	-3,600	365,174	-3,10%	360,294	365,285	4,991
528+1,688			33	-10,952	360,804	18	-	-	17	-	-	16	-	-	15	-10,952	362,745	10	-7,600	364,979	9	-6,100	365,054	-3,90%	8	-	-	-	7	-3,600	365,152	-3,10%	360,312	365,263	4,951
528+13,704			33	-8,673	360,952	18	-	-	17	-	-	16	-	-	15	-8,673	364,142	10	-7,600	364,858	9	-6,100	364,933	-3,90%	8	-	-	-	7	-3,600	365,030	-3,10%	360,577	365,142	4,565
528+15,538			33	-8,365	360,976	18	-	-	17	-	-	16	-	-	15	-8,365	364,334	10	-7,600	364,844	9	-6,100	364,919	-3,90%	8	-	-	-	7	-3,600	365,017	-3,10%	360,619	365,128	4,509
528+17,082			33	-8,114	360,987	18	-	-	17	-	-	16	-	-	15	-8,114	364,491	10	-7,600	364,834	9	-6,100	364,909	-3,90%	8	-	-	-	7	-3,600	365,006	-3,10%	360,653	365,118	4,465
529+0,000		PTV	33	-7,659	361,006	18	-	-	17	-	-	16	-	-	15	-7,659	364,777	10	-7,600	364,817	9	-6,100	364,892	-3,90%	8	-	-	-	7	-3,600	364,989	-3,10%	360,733	365,101	4,368
529+3,852			33	-6,100	361,028	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-6,100	364,871	-3,90%	8	-	-	-	7	-3,600	364,969	-3,10%	360,804	365,081	4,276
529+5,711			33	-12,912	361,204	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-12,912	364,584	-4,03%	8	-	-	-	7	-3,600	364,959	-3,10%	360,850	365,071	4,221
530+0,000			33	-19,255	361,469	18	-	-	17	-	-	16	-	-	15	-	-	10	-14,691	364,512	9	-13,191	364,587	-3,10%	8	-10,648	364,666	-3,10%	7	-3,600	364,884	-3,10%	360,906	364,996	4,090
530+19,024	CE		33	-15,751	361,858	18	-	-	17	-	-	16	-	-	15	-	-	10	-11,785	364,502	9	-10,285	364,577	-3,10%	8	-8,207	364,642	-3,10%	7	-3,600	364,785	-3,10%	361,320	364,896	3,576
531+0,000			33	-15,627	361,869	18	-	-	17	-	-	16	-	-	15	-	-	10	-11,677	364,503	9	-10,177	364,578	-3,08%	8	-8,129	364,641	-3,08%	7	-3,600	364,780	-3,08%	361,343	364,891	3,548
531+3,540			33	-15,208	361,912	18	-	-	17	-	-	16	-	-	15	-	-	10	-11,321	364,503	9	-9,821	364,578	-3,00%	8	-7,882	364,636	-3,00%	7	-3,600	364,765	-3,00%	361,426	364,873	3,447
532+0,000			33	-13,713	362,252	18	-	-	17	-	-	16	-	-	15	-	-	10	-10,426	364,443	9	-8,926	364,518	-3,00%	8	-7,264	364,568	-3,00%	7	-3,600	364,678	-3,00%	361,678	364,786	3,109
532+0,513			33	-13,672	362,268	18	-	-	17	-	-	16	-	-	15	-	-	10	-10,412	364,441	9	-8,912	364,516	-3,00%	8	-7,256	364,566	-3,01%	7	-3,600	364,676	-3,00%	361,685	364,784	3,099
533+0,000			33	-12,456	362,701	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,980	364,352	9	-8,480	364,427	-3,00%	8	-7,202	364,465	-3,00%	7	-3,600	364,573	-3,00%	362,060	364,681	2,622
533+4,430			33	-12,302	362,737	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,911	364,331	9	-8,412	364,403	-3,00%	8	-7,200	364,454	-2,67%	7	-3,600	364,550	-3,00%	362,156	364,658	2,502
533+8,701			33	-12,215	362,774	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,913	364,308	9	-8,413	364,383	-3,00%	8	-7,200	364,420	-3,00%	7	-3,600	364,528	-3,00%	362,246	364,636	2,390
533+10,387			33	-12,178	362,788	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,911	364,300	9	-8,411	364,375	-3,00%	8	-7,200	364,423	-2,67%	7	-3,600	364,519	-3,00%	362,274	364,627	2,353
533+14,457			33	-12,134	362,789	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,900	364,279	9	-8,400	364,366	-3,00%	8	-7,200	364,390	-3,00%	7	-3,600	364,498	-3,00%	362,299	364,606	2,307
534+0,000			33	-11,911	362,767	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,677	364,256	9	-8,177	364,331	-3,00%	8	-6,976	364,367	-3,00%	7	-3,600	364,469	-3,00%	362,318	364,577	2,259
535+0,000			33	-10,781	362,833	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,762	364,179	9	-7,262	364,254	-3,00%	8	-6,061	364,290	-3,00%	7	-3,600	364,364	-3,00%	362,619	364,472	1,853
535+10,439			33	-10,008	362,954	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,229	364,140	9	-6,729	364,215	-3,00%	8	-5,527	364,251	-3,01%	7	-3,600	364,309	-3,00%	362,798	364,417	1,619
536+0,000			33	-9,288	363,055	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,713	364,105	9	-6,213	364,180	-3,00%	8	-5,011	364,217	-3,00%	7	-3,600	364,259	-3,00%	362,757	364,367	1,610
536+2,399			33	-9,058	363,112	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,580	364,097	9	-6,080	364,172	-3,00%	8	-4,871	364,208	-2,99%	7	-3,600	364,246	-3,00%	362,742	364,354	1,612
537+0,000			33	-8,719	363,259	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,601	364,004	9	-6,101	364,079	-3,00%	8	-3,871	364,146	-3,00%	7	-3,600	364,154	-3,00%	362,855	364,262	1,407
537+0,358			33	-8,716	363,259	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,601	364,002	9	-6,101	364,077	-3,00%	8	-3,850	364,145	-3,00%	7	-3,600	364,152	-3,00%	362,861	364,260	1,399
537+4,599			33	-8,683	363,259	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,601	363,980	9	-6,101	364,055	-3,00%	8	-3,601	364,130	-3,00%	7	-3,600	364,130	-3,00%	362,922	364,238	1,316
537+19,024	ET		33	-8,577	363,203	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	363,854	9	-6,100	363,929	-5,00%	8	-	-	-	7	-3,600	364,054	-3,00%	362,781	364,162	1,382
538+0,000			33	-8,589	363,190	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	363,849	9	-6,100	363,924	-5,00%	8	-	-	-	7	-3,600	364,049	-3,00%	362,763	364,157	1,395
539+0,000			33	-8,536	363,120	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	363,744	9	-6,100	363,819	-5,00%	8	-	-	-	7	-3,600	363,944	-3,00%	362,831	364,052	1,221
540+0,000			33	-8,372	363,125	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	363,639	9	-6,100	363,714	-5,00%	8	-	-	-	7	-3,600	363,839	-3,00%	362,866	363,947	1,082
541+0,000			33	-8,376	363,017	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	363,535	9	-6,100	363,610	-5,00%	8	-	-	-	7	-3,600	363,735	-3,00%	362,608	363,843	1,234
542+0,000			33	-8,734	362,674	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	363,430	9	-6,100	363,505	-5,00%	8	-	-	-	7	-3,600	363,630	-3,00%	362,280	363,738	1,458
543+0,000			33	-8,727	362,574	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	363,325	9	-6,100	363,400	-5,00%	8	-	-	-	7	-3,600	363,525	-3,00%	362,221	363,633	1,412
544+0,000			33	-8,727	362,469	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	363,220	9	-6,100	363,295	-5,00%	8	-	-	-	7	-3,600	363,420	-3,00%	362,135	363,528	1,394
544+14,508			33	-8,811	362,337	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	363,144	9	-6,100	363,219	-5,00%	8	-	-	-	7	-3,600	363,344	-3,00%	362,070	363,452	1,382
545+0,000			33	-8,842	362,287	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	363,115	9	-6,100	363,190	-5,00%	8	-	-	-	7	-3,600	363,315	-3,00%	362,061	363,423	1,362
546+0,000			33	-8,957	362,106	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	363,010	9	-6,100	363,085	-5,00%	8	-	-	-	7	-3,600	363,210	-3,00%	361,903	363,318	1,415
547+0,000			33	-9,064	361,930	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	362,906	9	-6,100	362,981	-5,00%	8	-	-	-	7	-3,600	363,106	-3,00%	361,598	363,214	1,615
548+0,000			33	-9,276	361,683	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	362,801	9	-6,100	362,876	-5,00%	8	-	-	-	7	-3,600	363,001	-3,00%	361,401	363,109	1,708
549+0,000			33	-9,386	361,505	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	362,696	9	-6,100	362,771	-5,00%	8	-	-	-	7	-3,600	362,896	-3,00%	361,291	363,004	1,713
549+4,830			33	-9,380	361,484	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	362,671	9	-6,100	362,746	-5,00%	8	-	-	-	7	-3,600	362,871	-3,00%	361,271	362,979	1,707
550+0,000			33	-9,273	361,476	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	362,591	9	-6,100	362,666	-5,00%	8	-	-	-	7	-3,600	362,791	-3,00%	361,195	362,899	1,704
551+0,000			33	-9,204	361,417	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	362,486	9	-6,100	362,561	-5,00%	8	-	-	-	7	-3,600	362,686	-3,00%	360,927	362,794	1,867
552+0,000			33	-9,206	361,310	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	362,381	9	-6,100	362,456	-5,00%	8	-	-	-	7	-3,600	362,581	-3,00%	360,828	362,689	1,861
553+0,000			33	-9,330	361,123	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	362,276	9	-6,100	362,351	-5,00%	8	-	-	-	7	-3,600	362,476	-3,00%	360,677	362,584	1,907
554+0,000			33	-9,405	360,969	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	362,172	9	-6,100	362,247	-5,00%	8	-	-	-	7	-3,600	362,372	-3,00%	360,618	362,480	1,862
555+0,000			33	-9,385	360,877	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	362,067	9	-6,100	362,142	-5,00%	8	-	-	-	7	-3,600	362,267	-3,00%	360,523	362,375	1,852
556+0,000			33	-9,373	360,780	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,962	9	-6,100	362,037	-5,00%	8	-	-	-	7	-3,600	362,162	-3,00%	360,429	362,270	1,841
557+0,000			33	-8,585	361,201	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,857	9	-6,100	361,932	-5,00%	8	-	-	-	7	-3,600	362,057	-3,00%	360,444	362,165	1,721
558+0,000			33	-9,274	360,636	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,752	9	-6,100	361,827	-5,00%	8	-	-	-	7	-3,600	361,952	-3,00%	360,532	362,060	1,528
559+0,000			33	-8,786	360,857	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,647	9	-6,100	361,722	-5,00%	8	-	-	-	7	-3,600	361,847	-3,00%	360,467	361,955	1,488
560+0,000			33	-8,659	360,836	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,543	9	-6,100	361,618	-5,00%	8	-	-	-	7	-3,600	361,743	-3,00%	360,511	361,851	1,340
561+0,000			33	-8,592	360,776	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,438	9	-6,100	361,513	-5,00%	8	-	-	-	7	-3,600	361,638	-3,00%	360,537	361,746	1,209
562+0,000			33	-8,118	360,987	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,333	9	-6,100	361,408	-5,00%	8	-	-	-	7	-3,600	361,533	-3,00%	360,674	361,641	0,967
563+0,000			33	-7,910	361,022	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,228	9	-6,100	361,303	-5,00%	8	-	-	-	7	-3,600	361,428	-3,00%	360,728	361,536	0,808
564+0,000			33	-7,699	361,057	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,123	9	-6,100	361,198	-5,00%	8	-	-	-	7	-3,600	361,323	-3,00%	360,737	361,431	0,694
565+0,000			33	-7,748	361,117	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	361,018	9	-6,100	361,093	-5,00%	8	-	-	-	7	-3,600	361,218	-3,00%	360,802	361,326	0,524
566+0,000			33	-8,188	361,202	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	360,613	9	-6,100	360,988	-5,00%	8	-	-	-	7	-3,600	361,113	-3,00%	360,868	361,221	0,353
567+0,000			33	-8,330	361,238	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	360,509	9	-6,100	360,884	-5,00%	8	-	-	-	7	-3,600	361,009	-3,00%	360,903	361,117	0,214
568+0,000			33	-8,543	361,347	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	360,404	9	-6,100	360,779	-5,00%	8	-	-	-	7	-3,600	360,904	-3,00%	360,997	361,012	0,015
569+0,000			33	-16,585	361,576	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	360,326	9	-6,100	360,674	-5,00%	8	-	-	-	7	-3,600	360,799	-3,00%	360,962	360,907	-0,055
570+0,000			33	-16,781	361,601	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	360,221	9	-6,100	360,569	-5,00%	8	-	-	-	7	-3,600	360,694	-3,00%	361,002	360,802	-0,200
571+0,000			33	-17,088	361,701	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	360,116	9	-6,100	360,464	-5,00%	8	-	-	-	7	-3,600	360,589	-3,00%	361,066	360,697	-0,368
572+0,000			33	-17,272	361,719	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	360,011	9	-6,100	360,359	-5,00%	8	-	-	-	7	-3,600	360,484	-3,00%	361,083	360,592	-0,490

LADO DIREITO – PLATAFORMA ACABADA / ALTURAS DOS TALUDES

ESTACA	Bordo da pista				Faixa de Aceleração ou Desaceleração				Acostamento / Faixa de Segurança / Concordância de Pista				Fundo canaleta / Barreira			Inicio da Primeira Berma / Encontro de Talude			Fim da Primeira Berma			Inicio da Segunda Berma			Fim da Segunda Berma			Talude			ALTURAS DOS TALUDES	
	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
497+1,878	7	3,600	370,267	-3,10%	8	5,634	370,204	-3,10%	9	6,832	370,167	-3,10%	10	8,336	370,091	15	-	-	16	-	-	17	-	-	18	-	-	33	10,501	369,648	0,5	0,4
498+0,000	7	3,600	369,659	-3,10%	8	6,518	369,568	-3,10%	9	7,719	369,531	-3,10%	10	9,219	369,456	15	-	-	16	-	-	17	-	-	18	-	-	33	11,124	368,186	0,4	1,3
498+8,028	7	3,600	369,390	-3,10%	8	6,879	369,288	-3,11%	9	8,080	369,251	-3,10%	10	9,580	369,176	15	-	-	16	-	-	17	-	-	18	-	-	33	11,319	366,017	0,4	3,2
498+14,975	7	3,600	369,157	-3,10%	8	7,176	369,046	-3,10%	9	8,377	369,008	-3,10%	10	9,877	368,933	15	-	-	16	-	-	17	-	-	18	-	-	33	11,559	367,812	0,3	1,1
498+15,640	7	3,600	369,134	-3,10%	8	7,200	369,023	-3,08%	9	8,400	368,985	-3,10%	10	9,900	368,910	15	-	-	16	-	-	17	-	-	18	-	-	33	11,576	367,793	0,3	1,1
499+0,000	7	3,600	368,993	-3,10%	8	7,200	368,881	-3,10%	9	8,400	368,844	-3,10%	10	9,900	368,769	15	-	-	16	-	-	17	-	-	18	-	-	33	11,540	367,676	0,3	1,1
500+0,000	7	3,600	368,442	-3,10%	8	7,200	368,331	-3,10%	9	8,400	368,293	-3,10%	10	9,900	368,218	15	-	-	16	-	-	17	-	-	18	-	-	33	11,602	367,084	0,2	1,1
500+1,410	7	3,600	368,409	-3,10%	8	7,200	368,298	-3,08%	9	8,400	368,261	-3,10%	10	9,900	368,186	15	-	-	16	-	-	17	-	-	18	-	-	33	11,618	367,040	0,2	1,1
501+0,000	7	3,600	368,051	-3,10%	8	7,442	367,932	-3,10%	9	9,035	367,883	-3,10%	10	10,535	367,808	15	-	-	16	-	-	17	-	-	18	-	-	33	12,522	366,483	0,4	1,3
502+0,000	7	3,600	367,820	-3,10%	8	8,708	367,661	-3,10%	9	10,534	367,605	-3,10%	10	12,034	367,530	15	-	-	16	-	-	17	-	-	18	-	-	33	14,387	365,962	0,4	1,6
502+10,665	7	3,600	367,762	-3,10%	8	10,071	367,561	-3,11%	9	12,262	367,493	-3,10%	10	13,762	367,418	15	-	-	16	-	-	17	-	-	18	-	-	33	16,250	365,760	0,4	1,7
502+12,130	7	3,600	367,757	-3,10%	8	10,306	367,549	-3,10%	9	12,553	367,480	-3,10%	10	14,053	367,405	15	-	-	16	-	-	17	-	-	18	-	-	33	16,565	365,730	-	1,7
502+18,949	7	3,600	367,748	-3,10%	8	11,570	367,501	-3,10%	9	14,081	367,423	-3,10%	10	15,581	367,348	15	-	-	16	-	-	17	-	-	18	-	-	33	18,227	365,584	-	1,8
503+0,000	7	3,600	367,748	-3,10%	8	11,792	367,494	-3,10%	9	14,342	367,415	-3,10%	10	15,842	367,340	15	-	-	16	-	-	17	-	-	18	-	-	33	18,512	365,561	-	1,8
503+7,531	7	3,600	367,763	-3,10%	8	13,605	367,453	-3,10%	9	16,192	367,372	-3,10%	10	17,692	367,297	15	-	-	16	-	-	17	-	-	18	-	-	33	20,584	365,370	1,4	1,9
503+8,521	7	3,600	367,766	-3,10%	8	13,873	367,448	-3,10%	9	16,465	367,367	-3,10%	10	17,965	367,292	15	-	-	16	-	-	17	-	-	18	-	-	33	20,906	365,332	1,4	2,0
503+10,349	7	3,600	367,774	-3,10%	8	7,200	367,662	-3,10%	9	16,988	367,359	-3,10%	10	18,488	367,284	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	365,587	1,4	-
503+17,463	7	3,600	367,816	-3,10%	8	-	-	-	9	6,100	367,719	-3,90%	10	7,600	367,644	15	7,989	367,385	16	-	-	17	-	-	18	-	-	33	7,989	365,372	1,6	2,3
504+0,000	7	3,600	367,837	-3,10%	8	-	-	-	9	6,100	367,739	-3,90%	10	7,600	367,664	15	8,445	367,101	16	-	-	17	-	-	18	-	-	33	8,445	365,303	1,7	2,4
505+0,000	7	3,600	368,085	-3,10%	8	-	-	-	9	6,100	367,987	-3,90%	10	7,600	367,912	15	-	-	16	-	-	17	-	-	18	-	-	33	12,387	364,721	2,4	3,2
505+16,920	7	3,600	368,419	-3,10%	8	-	-	-	9	6,100	368,322	-3,90%	10	3,600	368,119	15	-	-	16	-	-	17	-	-	18	-	-	33	13,503	364,312	3,1	3,8
506+0,000	7	3,600	368,492	-3,10%	8	-	-	-	9	6,100	368,395	-3,90%	10	7,600	368,320	15	-	-	16	-	-	17	-	-	18	-	-	33	13,715	364,244	3,2	4,1
507+0,000	7	3,600	369,060	-3,10%	8	-	-	-	9	6,100	368,963	-3,90%	10	7,600	368,888	15	-	-	16	-	-	17	-	-	18	-	-	33	15,168	363,842	4,0	5,0
507+4,975	7	3,600	369,226	-3,10%	8	-	-	-	9	6,100	369,129	-3,90%	10	7,600	369,054	15	-	-	16	-	-	17	-	-	18	-	-	33	15,569	363,741	4,3	5,3
508+0,000	7	3,600	369,743	-3,10%	8	-	-	-	9	6,100	369,645	-3,90%	10	7,600	369,570	15	-	-	16	-	-	17	-	-	18	-	-	33	16,834	363,414	5,0	6,2
508+5,000	7	3,600	369,914	-3,10%	8	-	-	-	9	6,100	369,817	-3,90%	10	7,600	369,742	15	-	-	16	-	-	17	-	-	18	-	-	33	17,266	363,298	5,3	6,4
509+0,000	7	3,600	370,393	-3,10%	8	-	-	-	9	6,100	370,295	-3,90%	10	7,600	370,220	15	13,692	366,159	16	-	-	17	-	-	18	-	-	33	13,692	363,116	6,0	7,1
509+14,174	7	3,600	370,777	-3,10%	8	-	-	-	9	6,100	370,680	-3,90%	10	7,600	370,605	15	8,449	370,039	16	-	-	17	-	-	18	-	-	33	8,449	363,026	6,6	7,6
510+0,000	7	3,600	370,916	-3,10%	8	-	-	-	9	6,100	370,819	-3,90%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	363,021	6,8	-
510+1,931	7	3,600	370,960	-3,10%	8	-	-	-	9	6,100	370,862	-3,90%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	363,000	6,9	-
510+5,273	7	3,600	371,032	-3,10%	8	13,879	370,714	-3,09%	9	16,537	370,631	-3,90%	10	18,037	370,556	15	24,037	366,556	16	28,037	366,956	17	34,037	362,956	18	38,037	363,356	33	40,220	361,901	7,1	8,7
511+0,000	7	3,600	371,308	-3,10%	8	9,233	371,134	-3,10%	9	10,928	371,081	-3,10%	10	12,428	371,006	15	18,428	367,006	16	22,428	367,406	17	28,428	363,406	18	32,428	363,806	33	35,460	361,785	7,8	9,2
511+5,000	7	3,600	371,386	-3,10%	8	8,413	371,237	-3,10%	9	9,921	371,190	-3,10%	10	11,421	371,115	15	17,421	367,115	16	21,421	367,515	17	27,421	363,515	18	31,421	363,915	33	34,708	361,724	8,0	9,4
511+5,956	7	3,600	371,400	-3,10%	8	8,287	371,254	-3,11%	9	9,747	371,221	-3,10%	10	11,247	371,134	15	17,247	367,137	16	21,247	367,534	17	27,247	363,534	18	31,247	363,934	33	34,579	361,713	8,1	9,4
511+11,575	7	3,600	371,475	-3,10%	8	7,726	371,347	-3,10%	9	8,870	371,312	-3,10%	10	10,370	371,237	15	16,370	367,237	16	20,370	367,637	17	26,370	363,637	18	30,370	364,037	33	33,976	361,633	-	9,6
511+15,486	7	3,600	371,522	-3,10%	8	7,486	371,413	-2,80%	9	8,404	371,373	-3,10%	10	9,904	371,298	15	15,904	367,298	16	19,904	367,698	17	25,904	363,698	18	29,904	364,098	33	33,696	361,570	6,1	9,7
512+0,000	7	3,600	371,569	-3,10%	8	7,320	371,454	-3,10%	9	8,014	371,432	-3,10%	10	9,514	371,357	15	15,514	367,357	16	19,514	367,757	17	25,514	363,757	18	29,514	364,157	33	33,508	361,494	7,3	9,9
512+8,324	7	3,600	371,639	-3,10%	8	7,214	371,527	-3,10%	9	7,700	371,512	-3,10%	10	9,200	371,437	15	15,200	367,437	16	19,200	367,837	17	25,200	363,837	18	29,200	364,237	33	33,530	361,350	7,7	10,1
513+0,000	7	3,600	371,699	-3,10%	8	7,200	371,587	-3,10%	9	7,700	371,572	-3,10%	10	9,200	371,497	15	15,200	367,497	16	19,200	367,897	17	25,200	363,897	18	29,200	364,297	33	33,560	361,390	7,8	10,1
513+9,758	7	3,600	371,714	-3,10%	8	7,200	371,603	-3,08%	9	7,700	371,587	-3,10%	10	9,200	371,512	15	15,200	367,512	16	19,200	367,912	17	25,200	363,912	18	29,200	364,312	33	33,658	361,340	7,9	10,2
513+14,464	7	3,600	371,711	-3,10%	8	7,200	371,599	-3,11%	9	7,700	371,584	-3,10%	10	9,200	371,509	15	15,200	367,509	16	19,200	367,909	17	25,200	363,909	18	29,200	364,309	33	33,997	361,111	8,3	10,4
513+16,735	7	3,600	371,706	-3,10%	8	7,200	371,595	-3,10%	9	7,700	371,579	-3,10%	10	9,200	371,504	15	15,200	367,504	16	19,200	367,904	17	25,200	363,904	18	29,200	364,304	33	34,091	361,043	8,5	10,5
513+19,219	7	3,600	371,700	-3,10%	8	7,200	371,588	-3,11%	9	7,700	371,573	-3,10%	10	8,100	371,573	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
514+0,000	7	3,600	371,697	-3,10%	8	7,200	371,586	-3,10%	9	7,700	371,570	-3,10%	10	8,100	371,570	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
514+5,000	7	3,600	371,676	-3,10%	8	7,200	371,565	-3,10%	9	7,700	371,549	-3,10%	10	8,100	371,549	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
514+5,347	7	3,600	371,675	-3,10%	8	7,200	371,563	-3,11%	9	7,700	371,547	-3,10%	10	8,100	371,547	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
515+0,000	7	3,600	371,601	-3,10%	8	7,200	371,490	-3,10%	9	7,700	371,474	-3,10%	10	8,100	371,474	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
516+0,000	7	3,600	371,501	-3,10%	8	7,200	371,390	-3,10%	9	7,700	371,374	-3,10%	10	8,100	371,374	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
516+9,761	7	3,600	371,452	-3,10%	8	7,200	371,341	-3,08%	9	7,700	371,325	-3,10%	10	8,100	371,325	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
516+13,884	7	3,600	371,432	-3,10%	8	7,200	371,320	-3,11%	9	7,700	371,305	-3,10%	10	8,100	371,305	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
516+16,735	7	3,600	371,418	-3,10%	8	7,200	371,306	-3,10%	9	7,700	371,291	-3,10%	10	8,100	371,291	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
516+19,633	7	3,600	371,403	-3,10%	8	7,301	371,288	-3,11%	9	7,773	371,286	-3,10%	10	9,273	371,199	15	19,773	364,199	16	23,773	364,599	17	-	-	18	-	-	33	30,185	360,324	9,4	10,9
517+0,000	7	3,600	371,401	-3,10%	8	7,311	371,286	-3,10%	9	7,791	371,271	-3,10%	10	9,291	371,196	15	19,791	364,196	16	23,791	364,596	17	-	-	18	-	-	33	30,215	360,314	9,4	10,9
518+0,000	7	3,600	371,235	-3,10%	8	9,299	371,070	-2,89%	9	10,671	371,015	-3,10%	10	12,171	370,940	15	22,671	363,940	16	26,671	364,340	17	-	-	18	-	-	33	33,947	359,490	9,1	11,5
518+15,447	7	3,600	371,015	-3,10%	8	14,248	370,685	-3,10%	9	16,932	370,601	-3,10%	10	18,432	370,526	15	28,932	363,526	16	32,932	363,926	17	-	-	18	-	-	33	40,097	359,150	9,3	11,4
518+16,548	7	3,600	371,596	-3,10%	8	-	-	-	9	14,695	370,390	-6,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	14,695	359,907	9,8	-
519+0,000	7	3,600	370,935	-3,10%	8	7,200	370,823	-3,10%	9	8,400	370,786	-3,10%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	8,400	360,110	9,1	-
519+0,268	7	3,600	370,930	-3,10%	8	7,200	370,818	-3,10%	9	8,400	370,781	-3,10%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	8,400	360,111	9,1	-
519+5,786	7	3,600	370,823	-3,10%	8	-	-	-	9	6,100	370,725	-3,90%	10	7,600	370,650	15	8,258	370,212	16	-	-	17	-	-	18	-	-	33	8,258	360,134	9,0	10,5
520+0,000	7	3,600	370,501	-3,10%	8	-	-	-	9	6,100	370,404	-3,90%	10	7,600	370,329	15	13,237	366,571	16	-	-	17	-	-	18	-	-	33	13,237	359,856	8,1	10,5
520+19,105	7	3,600	369,963	-3,10%	8	-	-	-	9	6,100	369,865	-3,90%	10	7,600	369,790	15	18,100	362,790	16	19,600	362,973	17	-	-	18	-	-	33	19,600	359,562	7,8	10,2
521+0,000	7	3,600	369,935	-3,10%	8	-	-	-	9	6,100	369,837	-3,90%	10	7,600	369,762	15	18,100	362,762	16	19,600	362,912	17	-	-	18	-	-	33	19,600	359,520	-	10,2
521+2,223	7	3,600	369,863	-3,10%	8	-	-	-	9	6,100	369,766	-3,90%	10	7,600	369,691	15	18,100	362,691	16	22,100	363,091	17	25,000	361,158	18	-	-	33	25,000	359,239	-	10,5
521+10,769	7	3,600	369,574	-3,10%	8	-	-	-	9	6,100	369,477	-3,90%	10	7,600	369,402	15	18,100	362,402	16	22,100	362,802	17	-	-	18	-	-	33	27,633	359,113	8,9	10,3
522+0,000	7	3,600	369,235	-3,10%	8	-	-	-	9	6,100	369,137	-3,90%	10	7,600	369,062	15	18,100	362,062	16	22,100	362,462	17	-	-	18	-	-	33	27,173	359,080	8,5	10,0
523+0,000	7	3,600	368,401	-3,10%	8	-	-	-	9	6,100	368,304	-3,90%	10	7,600	368,229	15	18,100	361,229	16	22,100	361,629	17	-	-	18	-	-	33	26,021	359,015	7,5	9,2
524+0,000	7	3,600	367,501	-3,10%	8	-	-	-	9	6,100	367,404	-3,90%	10	7,600	367,329	15	18,100	360,329	16	22,100	360,729	17	-	-	18	-	-	33	24,552	359,094	6,7	8,2
525+0,000	7	3,600	366,681	-3,10%	8	-	-	-	9	6,100	366,583	-3,90%	10	7,600	366,508	15	18,100	359,508	16	22,100	359,908	17	-	-	18	-	-	33	23,119	359,229	5,9	7,3
526+0,000	7	3,600	366,019	-3,10%	8	-	-	-	9	6,100	365,922	-3,90%	10	7,600	365,847	15	-	-	16	-	-	17	-	-	18	-	-	33	16,907	359,642	5,3	6,2
526+10,000	7	3,600	365,748	-3,10%	8	-	-	-	9	6,100	365,651	-3,90%	10	7,600	365,576	15	-	-	16	-	-	17	-	-	18	-	-	33	16,374	359,726	5,1	5,8
527+0,000	7	3,600	365,517	-3,10%	8	-	-	-	9	6,100	365,419	-3,90%	10	7,600	365,344	15	13,180	361,625	16	-	-	17	-	-	18	-	-	33	13,180	359,765	4,7	5,6
528+0,000	7	3,600	365,174	-3,10%	8	-	-	-	9	6,100	365,076	-3,90%	10	7,600	365,001	15	8,808	364,196	16	-	-	17	-	-	18	-	-	33	8,808	359,965	4,2	5,0
528+1,688	7	3,600	365,152	-3,10%	8	-	-	-	9	6,100	365,054	-3,90%	10	7,600	364,979	15	8,494	364,384	16	-	-	17	-	-	18	-	-	33	8,494	359,999	4,2	5,0
528+13,704	7	3,600	365,030	-3,10%	8	-	-	-	9	6,100	364,933	-3,90%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	360,216	3,9	-
528+15,538	7	3,600	365,017	-3,10%	8	-	-	-	9	6,100	364,919	-3,90%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	360,245	3,9	-
528+17,082	7	3,600	365,006	-3,10%	8	12,915	364,717	-3,10%	9	15,491	364,638	-3,09%	10	16,991	364,563	15	-	-	16	-	-	17	-	-	18	-	-	33	24,113	359,815	3,8	4,7
529+0,000	7	3,600	364,989	-3,10%	8	12,221	364,722	-3,10%	9	14,785	364,642	-3,10%	10	16,285	364,567	15	-	-	16	-	-	17	-	-	18	-	-	33	23,317	359,879	3,8	4,7
529+3,852	7	3,600	364,969	-3,10%	8	11,395	364,727	-3,10%	9	13,891	364,650	-3,10%	10	15,391	364,575	15	-	-	16	-	-	17	-	-	18	-	-	33	22,312	359,961	-	4,6
529+5,711	7	3,600	364,959	-3,10%	8	11,032	364,729	-3,09%	9	13,472	364,653	-3,10%	10	14,972	364,578	15	-	-	16	-	-	17	-	-	18	-	-	33	21,843	359,997	-	4,6
530+0,000	7	3,600	364,884	-3,10%	8	8,919	364,719	-3,10%	9	10,933	364,657	-3,10%	10	12,433	364,582	15	-	-	16	-	-	17	-	-	18	-	-	33	18,840	360,311	3,0	4,3
530+19,024	7	3,600	364,785	-3,10%	8	7,552	364,662	-3,10%	9	9,170	364,612	-3,10%	10	10,670	364,537	15	-	-	16	-	-	17	-	-	18	-	-	33	16,326	360,766	2,6	3,8
531+0,000	7	3,600	364,780	-3,08%	8	7,515	364,660	-3,08%	9	9,109	364,611	-3,08%	10	10,609	364,536	15	-	-	16	-	-	17	-	-	18	-	-	33	16,226	360,791	2,6	3,7
531+3,540	7	3,600	364,765	-3,00%	8	7,404	364,650	-3,00%	9	8,909	364,605	-3,00%	10	10,409	364,530	15	-	-	16	-	-	17	-	-	18	-	-	33	15,883	360,881	2,6	3,6
532+0,000	7	3,600	364,678	-3,00%	8	7,202	364,570	-3,00%	9	8,406	364,534	-3,00%	10	9,906	364,459	15	-	-	16	-	-	17	-	-	18	-	-	33	14,713	361,254	2,2	3,2
532+0,513	7	3,600	364,676	-3,00%	8	7,201	364,568	-3,00%	9	8,401	364,532	-3,00%	10	9,901	364,457	15	-	-	16	-	-	17	-	-	18	-	-	33	14,694	361,262	2,2	3,2
533+0,000	7	3,600	364,573	-3,00%	8	7,200	364,465	-3,00%	9	8,400	364,429	-3,00%	10	9,900	364,354	15	-	-	16	-	-	17	-	-	18	-	-	33	14,170	361,508	1,7	2,8
533+4,430	7	3,600	364,550	-3,00%	8	7,200	364,442	-3,00%	9	8,412	364,406	-3,00%	10	9,900	364,331	15	-	-	16	-	-	17	-	-	18	-	-	33	13,982	361,609	1,6	2,7
533+8,701	7	3,600	364,528	-3,00%	8	7,200	364,420	-3,00%	9	8,400	364,384	-3,00%	10	9,900	364,309	15	-	-	16	-	-	17	-	-	18	-	-	33	13,818	361,697	1,5	2,6
533+10,387	7	3,600	364,519	-3,00%	8	7,200	364,411	-3,00%	9	8,400	364,374	-3,00%	10	9,900	364,300	15	-	-	16	-	-	17	-	-	18	-	-	33	13,770	361,720	1,5	2,6
533+14,457	7	3,600	364,498	-3,00%	8	6,941	364,397	-3,02%	9	8,143	364,361	-3,00%	10	9,643	364,286	15	-	-	16	-	-	17	-	-	18	-	-	33	13,416	361,771	1,5	2,5
534+0,000	7	3,600	364,469	-3,00%	8	6,602	364,378	-3,00%	9	7,804	364,342	-3,00%	10	9,304	364,267	15	-	-	16	-	-	17	-	-	18	-	-	33	12,946	361,839	1,5	2,4
535+0,000	7	3,600	364,364	-3,00%	8	5,486	364,307	-3,00%	9	6,687	364,271	-3,00%	10	8,187	364,196	15	-	-	16	-	-	17	-	-	18	-	-	33	11,359	362,081	1,3	2,1
535+10,439	7	3,600	364,309	-3,00%	8	4,960	364,268	-3,01%	9	6,162	364,232	-3,00%	10	7,662	364,157	15	-	-	16	-	-	17	-	-	18	-	-	33	10,406	362,328	1,2	1,8
536+0,000	7	3,600	364,259	-3,00%	8	4,506	364,232	-3,00%	9	6,126	364,183	-3,00%	10	7,626	364,108	15	-	-	16	-	-	17	-	-	18	-	-	33	10,053	362,490	1,1	1,6
536+2,399	7	3,600	364,246	-3,00%	8	4,395	364,222	-3,02%	9	6,120	364,171	-3,00%	10	7,620	364,096	15	-	-	16	-	-	17	-	-	18	-	-	33	9,950	362,532	1,0	1,6
537+0,000	7	3,600	364,154	-3,00%	8	3,615	364,154	-3,00%	9	6,099	364,079	-3,00%	10	7,599	364,004	15	-	-	16	-	-	17	-	-	18	-	-	33	9,783	362,548	0,7	1,5
537+0,358	7	3,600	364,152	-3,00%	8	3,600	364,152	#DIV/0!	9	6,099	364,077	-3,00%	10	7,599	364,002	15	-	-	16	-	-	17	-	-	18	-	-	33	9,787	362,544	0,7	1,5
537+4,599	7	3,600	364,130	-3,00%	8	-	-	-	9	6,100	364,005	-5,00%	10	7,600	363,930	15	-	-	16	-	-	17	-	-	18	-	-	33	9,746	362,499	0,7	1,4
537+19,024	7	3,600	364,054	-3,00%	8	-	-	-	9	6,100	363,929	-5,00%	10	7,600	363,854	15	-	-	16	-	-	17	-	-	18	-	-	33	9,715	362,444	0,7	1,4
538+0,000	7	3,600	364,049	-3,00%	8	-	-	-	9	6,100	363,924	-5,00%	10	7,600	363,849	15	-	-	16	-	-	17	-	-	18	-	-	33	9,696	362,452	0,7	1,4
539+0,000	7	3,600	363,944	-3,00%	8	-	-	-	9	6,100	363,819	-5,00%	10	7,600	363,744	15	-	-	16	-	-	17	-	-	18	-	-	33	9,325	362,594	0,6	1,1
540+0,000	7	3,600	363,839	-3,00%	8	-	-	-	9	6,100	363,714	-5,00%	10	7,600	363,639	15	-	-	16	-	-	17	-	-	18	-	-	33	9,245	362,543	0,5	1,1
541+0,000	7	3,600	363,735	-3,00%	8	-	-	-	9	6,100	363,610	-5,00%	10	7,600	363,535	15	-	-	16	-	-	17	-	-	18	-	-	33	9,401	362,334	0,5	1,2
542+0,000	7	3,600	363,630	-3,00%	8	-	-	-	9	6,100	363,505	-5,00%	10	7,600	363,430	15	-	-	16	-	-	17	-	-	18	-	-	33	9,668	362,051	0,8	1,4
543+0,000	7	3,600	363,525	-3,00%	8	-	-	-	9	6,100	363,400	-5,00%	10	7,600	363,325	15	-	-	16	-	-	17	-	-	18	-	-	33	9,805	361,855	0,8	1,5
544+0,000	7	3,600	363,420	-3,00%	8	-	-	-	9	6,100	363,295	-5,00%	10	7,600	363,220	15	-	-	16	-	-	17	-	-	18	-	-	33	10,010	361,613	0,8	1,6
544+14,508	7	3,600	363,344	-3,00%	8	-	-	-	9	6,100	363,219	-5,00%	10	7,600	363,144	15	-	-	16	-	-	17	-	-	18	-	-	33	10,425	361,261	0,8	1,9
545+0,000	7	3,600	363,315	-3,00%	8	-	-	-	9	6,100	363,190	-5,00%	10	7,600	363,115	15	-	-	16	-	-	17	-	-	18	-	-	33	10,215	361,372	0,8	1,7
546+0,000	7	3,600	363,210	-3,00%	8	-	-	-	9	6,100	363,085	-5,00%	10	7,600	363,010	15	-	-	16	-	-	17	-	-	18	-	-	33	10,005	361,407	0,9	1,6
547+0,000	7	3,600	363,106	-3,00%	8	-	-	-	9	6,100	362,981	-5,00%	10	7,600	362,906	15	-	-	16	-	-	17	-	-	18	-	-	33	10,253	361,137	1,0	1,8
548+0,000	7	3,600	363,001	-3,00%	8	-	-	-	9	6,100	362,876	-5,00%	10	7,600	362,801	15	-	-	16	-	-	17	-	-	18	-	-	33	10,255	361,031	1,1	1,8
549+0,000	7	3,600	362,896	-3,00%	8	-	-	-	9	6,100	362,771	-5,00%	10	7,600	362,696	15	-	-	16	-	-	17	-	-	18	-	-	33	10,242	360,935	1,2	1,8
549+4,830	7	3,600	362,871	-3,00%	8	-	-	-	9	6,100	362,746	-5,00%	10	7,600	362,671	15	-	-	16	-	-	17	-	-	18	-	-	33	10,396	360,807	1,2	1,9
550+0,000	7	3,600	362,791	-3,00%	8	-	-	-	9	6,100	362,666	-5,00%	10	7,600	362,591	15	-	-	16	-	-	17	-	-	18	-	-	33	10,691	360,530	1,1	2,1
551+0,000	7	3,600	362,686	-3,00%	8	-	-	-	9	6,100	362,561	-5,00%	10	7,600	362,486	15	-	-	16	-	-	17	-	-	18	-	-	33	10,661	360,445	1,1	2,0
552+0,000	7	3,600	362,581	-3,00%	8	-	-	-	9	6,100	362,456	-5,00%	10	7,600	362,381	15	-	-	16	-	-	17	-	-	18	-	-	33	10,679	360,328	1,1	2,1
553+0,000	7	3,600	362,476	-3,00%	8	-	-	-	9	6,100	362,351	-5,00%	10	7,600	362,276	15	-	-	16	-	-	17	-	-	18	-	-	33	10,604	360,274	1,2	2,0
554+0,000	7	3,600	362,372	-3,00%	8	-	-	-	9	6,100	362,247	-5,00%	10	7,600	362,172	15	-	-	16	-	-	17	-	-	18	-	-	33	10,503	360,236	1,2	1,9
555+0,000	7	3,600	362,267	-3,00%	8	-	-	-	9	6,100	362,142	-5,00%	10	7,600	362,067	15	-	-	16	-	-	17	-	-	18	-	-	33	10,478	360,148	1,2	1,9
556+0,000	7	3,600	362,162	-3,00%	8	-	-	-	9	6,100	362,037	-5,00%	10	7,600	361,962	15	-	-	16	-	-	17	-	-	18	-	-	33	10,510	360,022	1,2	1,9
557+0,000	7	3,600	362,057	-3,00%	8	-	-	-	9	6,100	361,932	-5,00%	10	7,600	361,857	15	-	-	16	-	-	17	-	-	18	-	-	33	10,489	359,931	0,7	1,9
558+0,000	7	3,600	361,952	-3,00%	8	-	-	-	9	6,100	361,827	-5,00%	10	7,600	361,752	15	-	-	16	-	-	17	-	-	18	-	-	33	10,108	360,080	1,1	1,7
559+0,000	7	3,600	361,847	-3,00%	8	-	-	-	9	6,100	361,722	-5,00%	10	7,600	361,647	15	-	-	16	-	-	17	-	-	18	-	-	33	9,885	360,124	0,8	1,5
560+0,000	7	3,600	361,743	-3,00%	8	-	-	-	9	6,100	361,618	-5,00%	10	7,600	361,543	15	-	-	16	-	-	17	-	-	18	-	-	33	9,533	360,254	0,7	1,3
561+0,000	7	3,600	361,638	-3,00%	8	-	-	-	9	6,100	361,513	-5,00%	10	7,600	361,438	15	-	-	16	-	-	17	-	-	18	-	-	33	9,388	360,246	0,7	1,2
562+0,000	7	3,600	361,533	-3,00%	8	-	-	-	9	6,100	361,408	-5,00%	10	7,600	361,333	15	-	-	16	-	-	17	-	-	18	-	-	33	9,134	360,310	0,3	1,0
563+0,000	7	3,600	361,428	-3,00%	8	-	-	-	9	6,100	361,303	-5,00%	10	7,600	361,228	15	-	-	16	-	-	17	-	-	18	-	-	33	8,846	360,398	0,2	0,8
564+0,000	7	3,600	361,323	-3,00%	8	-	-	-	9	6,100	361,198	-5,00%	10	7,600	361,123	15	-	-	16	-	-	17	-	-	18	-	-	33	8,606	360,452	0,1	0,7
565+0,000	7	3,600	361,218	-3,00%	8	-	-	-	9	6,100	361,093	-5,00%	10	7,600	361,018	15	-	-	16	-	-	17	-	-	18	-	-	33	8,331	360,531	-0,1	0,5
566+0,000	7	3,600	361,113	-3,00%	8	-	-	-	9	6,100	360,988	-5,00%	10	7,600	360,913	15	-	-	16	-	-	17	-	-	18	-	-	33	8,059	360,608	-0,6	0,3
567+0,000	7	3,600	361,009	-3,00%	8	-	-	-	9	6,100	360,884	-5,00%	10	7,600	360,809	15	-	-	16	-	-	17	-	-	18	-	-	33	7,809	360,669	-0,7	0,1
568+0,000	7	3,600	360,904	-3,00%	8	-	-	-	9	6,100	360,779	-5,00%	10	7,600	360,704	15	-	-	16	-	-	17	-	-	18	-	-	33	7,649	360,671	-0,9	0,0
569+0,000	7	3,600	360,799	-3,00%	8	-	-	-	9	6,100	360,674	-5,00%	10	7,492	360,326	15	-	-	16	-	-	17	-	-	18	-	-	33	30,493	359,897	-1,5	-0,2
570+0,000	7	3,600	360,694	-3,00%	8	-	-	-	9	6,100	360,569	-5,00%	10	7,492	360,221	15	-	-	16	-	-	17	-	-	18	-	-	33	30,530	359,811	-1,6	-0,3
571+0,000	7	3,600	360,589	-3,00%	8	-	-	-	9	6,100	360,464	-5,00%	10	7,492	360,116	15	-	-	16	-	-	17	-	-	18	-	-	33	30,725	359,803	-1,8	-0,4
572+0,000	7	3,600	360,484	-3,00%	8	-	-	-	9	6,100	360,359	-5,00%	10	7,492	360,011	15	-	-	16	-	-	17	-	-	18	-	-	33	31,595	360,134	-1,9	-0,8

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

BR-158/262-MS

LADO ESQUERDO – PLATAFORMA ACABADA

ESTACA	Elementos do Projeto – Planta	Elementos do Projeto – Perfil	Talude P.	Talude Dist.	Talude Cota	Fim da Segunda Berma P.	Dist.	Cota	Inicio da Segunda Berma P.	Dist.	Cota	Fim da Primeira Berma P.	Dist.	Cota	Inicio da Primeira Berma / Encontro de Talude P.	Dist.	Cota	Fundo canaleta / Barreira P.	Dist.	Cota
573+0,000			33	- 17,514	361,775	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	359,906
574+0,000			33	- 17,698	361,793	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	359,802
575+0,000			33	- 17,740	361,716	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	359,697
576+0,000			33	- 17,975	361,768	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	359,592
577+0,000			33	- 18,100	361,746	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	359,487
578+0,000			33	- 17,970	361,555	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	359,382
579+0,000			33	- 17,869	361,383	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	359,277
580+0,000			33	- 17,840	361,258	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	359,172
581+0,000			33	- 17,805	361,130	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	359,068
581+7,107		PCV	33	- 17,822	361,105	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	359,030
582+0,000			33	- 17,838	361,035	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	358,951
583+0,000			33	- 17,600	360,706	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	358,780
584+0,000			33	- 17,662	360,520	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	358,552
584+12,107			33	- 17,555	360,283	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	358,387
585+0,000			33	- 17,484	360,116	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	358,267
586+0,000			33	- 17,688	359,909	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	357,925
587+0,000			33	- 17,925	359,667	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	357,524
587+17,107		PTV	33	- 18,088	359,389	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	357,137
588+0,000			33	- 18,121	359,341	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	357,068
589+0,000			33	- 18,246	358,947	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	356,590
590+0,000			33	- 18,314	358,514	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	356,112
591+0,000			33	- 18,486	358,151	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	355,634
592+0,000			33	- 18,628	357,768	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	355,156
593+0,000			33	- 18,676	357,322	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	354,679
594+0,000			33	- 18,747	356,892	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	354,201
595+0,000			33	- 18,721	356,396	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	353,723
595+19,535			33	- 18,685	355,905	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	353,256
596+0,000			33	- 18,682	355,892	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	353,245
597+0,000			33	- 18,619	355,372	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	352,767
598+0,000			33	- 18,697	354,947	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	352,289
599+0,000			33	- 18,681	354,458	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	351,811
600+0,000			33	- 18,585	353,916	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	351,333
601+0,000			33	- 18,536	353,406	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	350,855
602+0,000			33	- 18,520	352,917	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	350,378
603+0,000			33	- 18,691	352,553	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	349,900
604+0,000			33	- 18,721	352,095	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	349,422
605+0,000			33	- 18,404	351,406	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	348,944
606+0,000			33	- 18,452	350,960	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	348,466
607+0,000			33	- 18,466	350,492	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	347,988
608+0,000			33	- 18,294	349,899	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	347,510
609+0,000			33	- 18,096	349,289	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	347,032
610+0,000			33	- 18,188	348,872	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	346,554
611+0,000			33	- 18,111	348,343	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	346,076
612+0,000			33	- 18,009	347,797	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	345,599
613+0,000			33	- 17,947	347,278	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	345,121
614+0,000			33	- 18,083	346,891	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	344,643
615+0,000			33	- 17,999	346,357	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	344,165
616+0,000			33	- 17,902	345,814	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	343,687
617+0,000			33	- 17,792	345,263	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	343,209
618+0,000			33	- 17,823	344,806	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	342,731
619+0,000			33	- 17,880	344,366	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	342,253
620+0,000			33	- 17,817	343,846	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	341,775
621+0,000			33	- 17,824	343,373	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	341,297
622+0,000			33	- 17,833	342,901	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	340,820
623+0,000			33	- 17,853	342,436	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	340,342
624+0,000			33	- 17,814	341,933	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	339,864
625+0,000			33	- 17,729	341,398	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	339,386
626+0,000			33	- 17,752	340,935	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	338,908
627+0,000			33	- 17,852	340,524	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	338,430
628+0,000			33	- 17,912	340,086	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	337,952
629+0,000			33	- 17,950	339,634	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	337,474
630+0,000			33	- 18,012	339,197	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	336,996
631+0,000			33	- 18,050	338,744	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	336,518
632+0,000			33	- 18,137	338,325	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	336,041
633+0,000			33	- 18,246	337,920	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	335,563
634+0,000			33	- 18,254	337,447	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	335,085
635+0,000			33	- 18,339	337,025	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	334,607
636+0,000			33	- 18,442	336,616	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	334,129
637+0,000			33	- 18,416	336,121	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	333,651
638+0,000			33	- 18,545	335,729	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	333,173
639+0,000			33	- 18,582	335,276	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	332,695
639+13,548	PC		33	- 18,517	334,909	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	332,372
640+0,000			33	- 18,585	334,800	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	332,217
641+0,000			33	- 18,768	334,444	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	331,739
642+0,000			33	- 18,791	333,981	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	331,262
643+0,000			33	- 18,791	333,504	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	330,784
644+0,000			33	- 18,872	333,080	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	330,306
645+0,000			33	- 18,971	332,668	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	329,828
646+0,000			33	- 18,989	332,202	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	329,350
646+17,522			33	- 19,042	331,819	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	328,931
647+0,000			33	- 19,055	331,768	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	328,872
648+0,000			33	- 19,176	331,371	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	328,394
649+0,000			33	- 19,405	331,045	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	327,916
650+0,000			33	- 19,677	330,749	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	327,438
651+0,000			33	- 19,648	330,252	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	326,960
652+0,000			33	- 19,714	329,818	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	326,483
652+5,000		PCV	33	- 19,739	329,715	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	326,363
653+0,000			33	- 19,806	329,417	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	326,020
654+0,000			33	- 19,935	329,092	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	325,609
654+1,496	PT		33	- 19,932	329,062	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	325,581
655+0,000			33	- 19,925	328,729	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	325,253
655+15,000			33	- 19,994	328,543	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	325,021
656+0,000			33	- 20,005	328,480	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	324,950
657+0,000			33	- 19,761	328,069	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	324,702
658+0,000			33	- 19,581	327,754	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	324,507
659+0,000			33	- 19,297	327,424	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	324,367
659+5,000		PTV	33	- 19,197	327,331	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	324,340
660+0,000			33	- 18,849	327,024	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	324,265
661+0,000			33	- 18,472	326,672	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	324,165
662+0,000			33	- 18,154	326,360	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	324,065
663+0,000			33	- 17,807	326,028	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,964
663+16,796			33	- 17,583	325,795	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,880
664+0,000			33	- 17,540	325,750	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,864
664+16,796			33	- 17,279	325,492	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,780
665+0,000			33	- 17,224	325,439	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,764
665+7,463	PC		33	- 17,109	325,325	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,727
665+12,796			33	- 17,068	325,271	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,700
665+16,796			33	- 17,037	325,231	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,680
665+17,445			33	- 17,032	325,224	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,677
666+0,000			33	- 17,009	325,196	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,664
666+10,778			33	- 16,892	325,064	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,610
667+0,000			33	- 16,760	324,930	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,564
667+10,778			33	- 16,599	324,769	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,510
668+0,000			33	- 16,457	324,628	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,464
668+4,111			33	- 16,392	324,564	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,443
668+6,778			33	- 16,350	324,522	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,430
668+10,778			33	- 16,286	324,460	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,410
669+0,000			33	- 16,164	324,332	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,364
670+0,000			33	- 15,966	324,100	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,263
671+0,000			33	- 15,704	323,825	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	323,163
672+0,000			33	- 8,139	323,575	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	323,036
673+0,000			33	- 8,004	323,340	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	322,936
674+0,000			33	- 7,639	323,110	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	323,136
675+0,000			33	- 7,761	322,929	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	323,036
676+0,000			33	- 7,920	322,722	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	322,936
677+0,000			33	- 7,997	322,571	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	322,835
678+0,000			33	- 8,161	322,361	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	322,735
679+0,000			33	- 8,268	322,190	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	322,635
680+0,000			33	- 8,291	322,075	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	322,535
681+0,000			33	- 8,245	322,005	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	322,435
682+0,000			33	- 8,188	321,943	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	322,335
683+0,000			33	- 7,961	321,994	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	322,235
684+0,000			33	- 8,208	321,729	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	322,134
685+0,000			33	- 8,274	321,585	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	322,034
685+5,000		PCV	33	- 8,251	321,575	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	322,009
686+0,000			33	- 8,214	321,545	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	321,954

LADO ESQUERDO (cont.) e COTAS DE EIXO

ESTACA	Acostamento / Faixa de Segurança / Concordância de Pista P.	Dist.	Cota	Decliv.	Faixa de Aceleração ou Desaceleração P.	Dist.	Cota	Decliv.	Bordo da pista P.	Dist.	Cota	Decliv.	Terreno Natural	Projeto	Cota vermelha
573+0,000	9	- 6,100	360,255	-5,00%	8	-	-	-	7	- 3,600	360,380	-3,00%	361,149	360,488	-0,662
574+0,000	9	- 6,100	360,150	-5,00%	8	-	-	-	7	- 3,600	360,275	-3,00%	361,202	360,383	-0,820
575+0,000	9	- 6,100	360,045	-5,00%	8	-	-	-	7	- 3,600	360,170	-3,00%	361,304	360,278	-1,026
576+0,000	9	- 6,100	359,940	-5,00%	8	-	-	-	7	- 3,600	360,065	-3,00%	361,274	360,173	-1,101
577+0,000	9	- 6,100	359,835	-5,00%	8	-	-	-	7	- 3,600	359,960	-3,00%	361,196	360,068	-1,128
578+0,000	9	- 6,100	359,730	-5,00%	8	-	-	-	7	- 3,600	359,855	-3,00%	361,107	359,963	-1,144
579+0,000	9	- 6,100	359,625	-5,00%	8	-	-	-	7	- 3,600	359,750	-3,00%	361,030	359,858	-1,171
580+0,000	9	- 6,100	359,521	-5,00%	8	-	-	-	7	- 3,600	359,646	-3,00%	360,853	359,754	-1,099
581+0,000	9	- 6,100	359,416	-5,00%	8	-	-	-	7	- 3,600	359,541	-3,00%	360,773	359,649	-1,124
581+7,107	9	- 6,100	359,378	-5,00%	8	-	-	-	7	- 3,600	359,503	-3,00%	360,743	359,611	-1,132
582+0,000	9	- 6,100	359,299	-5,00%	8	-	-	-	7	- 3,600	359,424	-3,00%	360,689	359,532	-1,157
583+0,000	9	- 6,100	359,128	-5,00%	8	-	-	-	7	- 3,600	359,253	-3,00%	360,527	359,361	-1,165
584+0,000	9	- 6,100	358,901	-5,00%	8	-	-	-	7	- 3,600	359,026	-3,00%	360,525	359,134	-1,391
584+12,107	9	- 6,100	358,735	-5,00%	8	-	-	-	7	- 3,600	358,860	-3,00%	360,326	358,968	-1,358
585+0,000	9	- 6,100	358,615	-5,00%	8	-	-	-	7	- 3,600	358,740	-3,00%	360,184	358,848	-1,336
586+0,000	9	- 6,100	358,273	-5,00%	8	-	-	-	7	- 3,600	358,398	-3,00%	359,873	358,506	-1,368
587+0,000	9	- 6,100	357,873	-5,00%	8	-	-	-	7	- 3,600	357,998	-3,00%	359,554	358,106	-1,448
587+17,107	9	- 6,100	357,485	-5,00%	8	-	-	-	7	- 3,600	357,610	-3,00%	359,231	357,718	-1,513
588+0,000	9	- 6,100	357,416	-5,00%	8	-	-	-	7	- 3,600	357,541	-3,00%	359,169	357,649	-1,520
589+0,000	9	- 6,100	356,938	-5,00%	8	-	-	-	7	- 3,600	357,063	-3,00%	358,808	357,171	-1,637
590+0,000	9	- 6,100	356,460	-5,00%	8	-	-	-	7	- 3,600	356,585	-3,00%	358,461	356,693	-1,768
591+0,000	9	- 6,100	355,982	-5,00%	8	-	-	-	7	- 3,600	356,107	-3,00%	358,129	356,215	-1,914
592+0,000	9	- 6,100	355,505	-5,00%	8	-	-	-	7	- 3,600	355,630	-3,00%	357,845	355,738	-2,108
593+0,000	9	- 6,100	355,027	-5,00%	8	-	-	-	7	- 3,600	355,152	-3,00%	357,280	355,260	-2,020
594+0,000	9	- 6,100	354,549	-5,00%	8	-	-	-	7	- 3,600	354,674	-3,00%	356,747	354,782	-1,965
595+0,000	9	- 6,100	354,071	-5,00%	8	-	-	-	7	- 3,600	354,196	-3,00%	356,255	354,304	-1,951
595+19,535	9	- 6,100	353,604	-5,00%	8	-	-	-	7	- 3,600	353,729	-3,00%	0,000	353,837	353,837
596+0,000	9	- 6,100	353,593	-5,00%	8	-	-	-	7	- 3,600	353,718	-3,00%	0,000	353,826	353,826
597+0,000	9	- 6,100	353,115	-5,00%	8	-	-	-	7	- 3,600	353,240	-3,00%	355,546	353,348	-2,198
598+0,000	9	- 6,100	352,637	-5,00%	8	-	-	-	7	- 3,600	352,762	-3,00%	355,209	352,870	-2,339
599+0,000	9	- 6,100	352,159	-5,00%	8	-	-	-	7	- 3,600	352,284	-3,00%	354,716	352,392	-2,324
600+0,000	9	- 6,100	351,681	-5,00%	8	-	-	-	7	- 3,600	351,806	-3,00%	354,053	351,914	-2,138
601+0,000	9	- 6,100	351,204	-5,00%	8	-	-	-	7	- 3,600	351,329	-3,00%	353,570	351,437	-2,134
602+0,000	9	- 6,100	350,726	-5,00%	8	-	-	-	7	- 3,600	350,851	-3,00%	353,091	350,959	-2,133
603+0,000	9	- 6,100	350,248	-5,00%	8	-	-	-	7	- 3,600	350,373	-3,00%	352,658	350,481	-2,177
604+0,000	9	- 6,100	349,770	-5,00%	8	-	-	-	7	- 3,600	349,895	-3,00%	352,185	350,003	-2,182
605+0,000	9	- 6,100	349,292	-5,00%	8	-	-	-	7	- 3,600	349,417	-3,00%	351,577	349,525	-2,052
606+0,000	9	- 6,100	348,814	-5,00%	8	-	-	-	7	- 3,600	348,939	-3,00%	350,903	349,047	-1,856
607+0,000	9	- 6,100	348,336	-5,00%	8	-	-	-	7	- 3,600	348,461	-3,00%	350,320	348,569	-1,751
608+0,000	9	- 6,100	347,858	-5,00%	8	-	-	-	7	- 3,600	347,983	-3,00%	349,854	348,091	-1,763
609+0,000	9	- 6,100	347,380	-5,00%	8	-	-	-	7	- 3,600	347,505	-3,00%	349,310	347,613	-1,696
610+0,000	9	- 6,100	346,902	-5,00%	8	-	-	-	7	- 3,600	347,027	-3,00%	348,846	347,135	-1,710
611+0,000	9	- 6,100	346,425	-5,00%	8	-	-	-	7	- 3,600	346,550	-3,00%	348,473	346,658	-1,816
612+0,000	9	- 6,100	345,947	-5,00%	8	-	-	-	7	- 3,600	346,072	-3,00%	347,960	346,180	-1,780
613+0,000	9	- 6,100	345,469	-5,00%	8	-	-	-	7	- 3,600	345,594	-3,00%	347,449	345,702	-1,747
614+0,000	9	- 6,100	344,991	-5,00%	8	-	-	-	7	- 3,600	345,116	-3,00%	346,943	345,224	-1,719
615+0,000	9	- 6,100	344,513	-5,00%	8	-	-	-	7	- 3,600	344,638	-3,00%	346,469	344,746	-1,723
616+0,000	9	- 6,100	344,035	-5,00%	8	-	-	-	7	- 3,600	344,160	-3,00%	345,957	344,268	-1,689
617+0,000	9	- 6,100	343,557	-5,00%	8	-	-	-	7	- 3,600	343,682	-3,00%	345,430	343,790	-1,640
618+0,000	9	- 6,100	343,079	-5,00%	8	-	-	-	7	- 3,600	343,204	-3,00%	344,951	343,312	-1,638
619+0,000	9	- 6,100	342,601	-5,00%	8	-	-	-	7	- 3,600	342,726	-3,00%	344,517	342,834	-1,683
620+0,000	9	- 6,100	342,123	-5,00%	8	-	-	-	7	- 3,600	342,248	-3,00%	344,092	342,356	-1,735
621+0,000	9	- 6,100	341,646	-5,00%	8	-	-	-	7	- 3,600	341,771	-3,00%	343,475	341,879	-1,596
622+0,000	9	- 6,100	341,168	-5,00%	8	-	-	-	7	- 3,600	341,293	-3,00%	343,054	341,401	-1,653
623+0,000	9	- 6,100	340,690	-5,00%	8	-	-	-	7	- 3,600	340,815	-3,00%	342,554	340,923	-1,632
624+0,000	9	- 6,100	340,212	-5,00%	8	-	-	-	7	- 3,600	340,337	-3,00%	342,041	340,445	-1,596
625+0,000	9	- 6,100	339,734	-5,00%	8	-	-	-	7	- 3,600	339,859	-3,00%	341,535	339,967	-1,568
626+0,000	9	- 6,100	339,256	-5,00%	8	-	-	-	7	- 3,600	339,381	-3,00%	341,022	339,489	-1,533
627+0,000	9	- 6,100	338,778	-5,00%	8	-	-	-	7	- 3,600	338,903	-3,00%	340,643	339,011	-1,632
628+0,000	9	- 6,100	338,300	-5,00%	8	-	-	-	7	- 3,600	338,425	-3,00%	340,167	338,533	-1,634
629+0,000	9	- 6,100	337,822	-5,00%	8	-	-	-	7	- 3,600	337,947	-3,00%	339,653	338,055	-1,598
630+0,000	9	- 6,100	337,344	-5,00%	8	-	-	-	7	- 3,600	337,469	-3,00%	339,229	337,577	-1,651
631+0,000	9	- 6,100	336,867	-5,00%	8	-	-	-	7	- 3,600	336,992	-3,00%	338,844	337,100	-1,745
632+0,000	9	- 6,100	336,389	-5,00%	8	-	-	-	7	- 3,600	336,514	-3,00%	338,493	336,622	-1,871
633+0,000	9	- 6,100	335,911	-5,00%	8	-	-	-	7	- 3,600	336,036	-3,00%	338,122	336,144	-1,978
634+0,000	9	- 6,100	335,433	-5,00%	8	-	-	-	7	- 3,600	335,558	-3,00%	337,756	335,666	-2,090
635+0,000	9	- 6,100	334,955	-5,00%	8	-	-	-	7	- 3,600	335,080	-3,00%	337,193	335,188	-2,005
636+0,000	9	- 6,100	334,477	-5,00%	8	-	-	-	7	- 3,600	334,602	-3,00%	336,664	334,710	-1,954
637+0,000	9	- 6,100	333,999	-5,00%	8	-	-	-	7	- 3,600	334,124	-3,00%	336,292	334,232	-2,059
638+0,000	9	- 6,100	333,521	-5,00%	8	-	-	-	7	- 3,600	333,646	-3,00%	335,843	333,754	-2,089
639+0,000	9	- 6,100	333,043	-5,00%	8	-	-	-	7	- 3,600	333,168	-3,00%	335,392	333,276	-2,115
639+13,548	9	- 6,100	332,720	-5,00%	8	-	-	-	7	- 3,600	332,845	-3,00%	335,077	332,953	-2,124
640+0,000	9	- 6,100	332,565	-5,00%	8	-	-	-	7	- 3,600	332,690	-3,00%	334,954	332,798	-2,156
641+0,000	9	- 6,100	332,088	-5,00%	8	-	-	-	7	- 3,600	332,213	-3,00%	334,753	332,321	-2,432
642+0,000	9	- 6,100	331,610	-5,00%	8	-	-	-	7	- 3,600	331,735	-3,00%	334,186	331,843	-2,343
643+0,000	9	- 6,100	331,132	-5,00%	8	-	-	-	7	- 3,600	331,257	-3,00%	333,663	331,365	-2,298
644+0,000	9	- 6,100	330,654	-5,00%	8	-	-	-	7	- 3,600	330,779	-3,00%	333,237	330,887	-2,350
645+0,000	9	- 6,100	330,176	-5,00%	8	-	-	-	7	- 3,600	330,301	-3,00%	332,821	330,409	-2,412
646+0,000	9	- 6,100	329,698	-5,00%	8	-	-	-	7	- 3,600	329,823	-3,00%	332,363	329,931	-2,432
646+17,522	9	- 6,100	329,279	-5,00%	8	-	-	-	7	- 3,600	329,404	-3,00%	331,996	329,512	-2,483
647+0,000	9	- 6,100	329,220	-5,00%	8	-	-	-	7	- 3,600	329,345	-3,00%	331,942	329,453	-2,489
648+0,000	9	- 6,100	328,742	-5,00%	8	-	-	-	7	- 3,600	328,867	-3,00%	331,514	328,975	-2,538
649+0,000	9	- 6,100	328,264	-5,00%	8	-	-	-	7	- 3,600	328,389	-3,00%	331,344	328,497	-2,846
650+0,000	9	- 6,100	327,786	-5,00%	8	-	-	-	7	- 3,600	327,911	-3,00%	331,157	328,019	-3,137
651+0,000	9	- 6,100	327,309	-5,00%	8	-	-	-	7	- 3,600	327,434	-3,00%	330,525	327,542	-2,983
652+0,000	9	- 6,100	326,831	-5,00%	8	-	-	-	7	- 3,600	326,956	-3,00%	329,954	327,064	-2,890
652+5,000	9	- 6,100	326,711	-5,00%	8	-	-	-	7	- 3,600	326,836	-3,00%	329,850	326,944	-2,905
653+0,000	9	- 6,100	326,368	-5,00%	8	-	-	-	7	- 3,600	326,493	-3,00%	329,540	326,601	-2,939
654+0,000	9	- 6,100	325,958	-5,00%	8	-	-	-	7	- 3,600	326,083	-3,00%	329,203	326,191	-3,013
654+1,496	9	- 6,100	325,929	-5,00%	8	-	-	-	7	- 3,600	326,054	-3,00%	329,178	326,162	-3,016
655+0,000	9	- 6,100	325,601	-5,00%	8	-	-	-	7	- 3,600	325,726	-3,00%	328,825	325,834	-2,991
655+15,000	9	- 6,100	325,369	-5,00%	8	-	-	-	7	- 3,600	325,494	-3,00%	328,535	325,602	-2,933
656+0,000	9	- 6,100	325,299	-5,00%	8	-	-	-	7	- 3,600	325,424	-3,00%	328,452	325,532	-2,920
657+0,000	9	- 6,100	325,050	-5,00%	8	-	-	-	7	- 3,600	325,175	-3,00%	328,119	325,283	-2,836
658+0,000	9	- 6,100	324,855	-5,00%	8	-	-	-	7	- 3,600	324,980	-3,00%	327,810	325,088	-2,722
659+0,000	9	- 6,100	324,715	-5,00%	8	-	-	-	7	- 3,600	324,840	-3,00%	327,472	324,948	-2,524
659+5,000	9	- 6,100	324,688	-5,00%	8	-	-	-	7	- 3,600	324,813	-3,00%	327,380	324,921	-2,459
660+0,000	9	- 6,100	324,613	-5,00%	8	-	-	-	7	- 3,600	324,738	-3,00%	327,081	324,846	-2,235
661+0,000	9	- 6,100	324,513	-5,00%	8	-	-	-	7	- 3,600	324,638	-3,00%	326,773	324,746	-2,027
662+0,000	9	- 6,100	324,413	-5,00%	8	-	-	-	7	- 3,600	324,538	-3,00%	326,441	324,646	-1,795
663+0,000	9	- 6,100	324,312	-5,00%	8	-	-	-	7	- 3,600	324,437	-3,00%	326,084	324,545	-1,539
663+16,796	9	- 6,100	324,228	-5,00%	8	-	-	-	7	- 3,600	324,353	-3,00%	325,795	324,461	-1,334
664+0,000	9	- 6,100	324,212	-5,00%	8	-	-	-	7	- 3,600	324,337	-3,00%	325,740	324,445	-1,295
664+16,796	9	- 6,100	324,128	-5,00%	8	-	-	-	7	- 3,600	324,253	-3,00%	325,501	324,361	-1,139
665+0,000	9	- 6,100	324,112	-5,00%	8	-	-	-	7	- 3,600	324,237	-3,00%	325,458	324,345	-1,113
665+7,463	9	- 6,100	324,075	-5,00%	8	-	-	-	7	- 3,600	324,200	-3,00%	325,360	324,308	-1,052
665+12,796	9	- 6,100	324,048	-5,00%	8	-	-	-	7	- 3,600	324,173	-3,00%	325,289	324,281	-1,008
665+16,796	9	- 6,100	324,028	-5,00%	8	-	-	-	7	- 3,600	324,153	-3,00%	325,236	324,261	-0,975
665+17,445	9	- 6,100	324,025	-5,00%	8	-	-	-	7	- 3,600	324,150	-3,00%	325,228	324,258	-0,970
666+0,000	9	- 6,100	324,012	-5,00%	8	-	-	-	7	- 3,600	324,137	-3,00%	325,194	324,245	-0,949
666+10,778	9	- 6,100	323,958	-5,00%	8	-	-	-	7	- 3,600	324,083	-3,00%	325,039	324,191	-0,848
667+0,000	9	- 6,100	323,912	-5,00%	8	-	-	-	7	- 3,600	324,037	-3,00%	324,935	324,145	-0,790
667+10,778	9	- 6,100	323,858	-5,00%	8	-	-	-	7	- 3,600	323,983	-3,00%	324,814	324,091	-0,723
668+0,000	9	- 6,100	323,812	-5,00%	8	-	-	-	7	- 3,600	323,937	-3,00%	324,666	324,045	-0,621
668+4,111	9	- 6,100	323,791	-5,00%	8	-	-	-	7	- 3,600	323,916	-3,00%	324,599	324,024	-0,574
668+6,778	9	- 6,100	323,778	-5,00%	8	-	-	-	7	- 3,600	323,903	-3,00%	324,555	324,011	-0,544
668+10,778	9	- 6,100	323,758	-5,00%	8	-	-	-	7	- 3,600	323,883	-3,00%	324,489	323,991	-0,499
669+0,000	9	- 6,100	323,712	-5,00%	8	-	-	-	7	- 3,600	323,837	-3,00%	324,366	323,945	-0,422
670+0,000	9	- 6,100	323,611	-5,00%	8	-	-	-	7	- 3,600	323,736	-3,00%	324,098	323,844	-0,254
671+0,000	9	- 6,100	323,511	-5,00%	8	-	-	-	7	- 3,600	323,636	-3,00%	323,805	323,744	-0,060
672+0,000	9	- 6,100	323,411	-5,00%	8	-	-	-	7	- 3,600	323,536	-3,00%	323,579	323,644	0,065
673+0,000	9	- 6,100	323,311	-5,00%	8	-	-	-	7	- 3,600	323,436	-3,00%	323,349	323,544	0,195
674+0,000	9	- 6,100	323,211	-5,00%	8	-	-	-	7	- 3,600	323,336	-3,00%	323,114	323,444	0,330
675+0,000	9	- 6,100	323,111	-5,00%	8	-	-	-	7	- 3,600	323,236	-3,00%	322,940	323,344	0,403
676+0,000	9	- 6,100	323,011	-5,00%	8	-	-	-	7	- 3,600	323,136	-3,00%	322,767	323,244	0,476
677+0,000	9	- 6,100	322,910	-5,00%	8	-	-	-	7	- 3,600	323,035	-3,00%	322,586	323,143	0,557
678+0,000	9	- 6,100	322,810	-5,00%	8	-	-	-	7	- 3,600	322,935	-3,00%	322,383	323,043	0,660
679+0,000	9	- 6,100	322,710	-5,00%	8	-	-	-	7	- 3,600	322,835	-3,00%	322,182	322,943	0,761
680+0,000	9	- 6,100	322,610	-5,00%	8	-	-	-	7	- 3,600	322,735	-3,00%	322,014	322,843	0,829
681+0,000	9	- 6,100	322,510	-5,00%	8	-	-	-	7	- 3,600	322,635	-3,00%	321,966	322,743	0,776
682+0,000	9	- 6,100	322,410	-5,00%	8	-	-	-	7	- 3,600	322,535	-3,00%	321,942	322,643	0,700
683+0,000	9	- 6,100	322,310	-5,00%	8	-	-	-	7	- 3,600	322,435	-3,00%	321,931	322,543	0,611
684+0,000	9	- 6,100	322,209	-5,00%	8	-	-	-	7	- 3,600	322,334	-3,00%	321,697	322,442	0,745
685+0,000	9	- 6,100	322,109	-5,00%	8	-	-	-	7	- 3,600	322,234	-3,00%	321,616	322,342	0,726
685+5,000	9	- 6,100	322,084	-5,00%	8	-	-	-	7	- 3,600	322,209	-3,00%	321,604	322,317	0,713
686+0,000	9	- 6,100	322,029	-5,00%	8	-	-	-	7	- 3,600	322,154	-3,00%	321,568	322,262	0,694

LADO DIREITO – PLATAFORMA ACABADA

ESTACA	Bordo da pista P.	Dist.	Cota	Decliv.	Faixa de Aceleração ou Desaceleração P.	Dist.	Cota	Decliv.	Acostamento / Faixa de Segurança / Concordância de Pista P.	Dist.	Cota	Decliv.	Fundo canaleta / Barreira P.	Dist.	Cota
573+0,000	7	3,600	360,380	-3,00%	8	-	-	-	9	6,100	360,255	-5,00%	10	7,492	359,906
574+0,000	7	3,600	360,275	-3,00%	8	-	-	-	9	6,100	360,150	-5,00%	10	7,492	359,802
575+0,000	7	3,600	360,170	-3,00%	8	-	-	-	9	6,100	360,045	-5,00%	10	7,492	359,697
576+0,000	7	3,600	360,065	-3,00%	8	-	-	-	9	6,100	359,940	-5,00%	10	7,492	359,592
577+0,000	7	3,600	359,960	-3,00%	8	-	-	-	9	6,100	359,835	-5,00%	10	7,492	359,487
578+0,000	7	3,600	359,855	-3,00%	8	-	-	-	9	6,100	359,730	-5,00%	10	7,492	359,382
579+0,000	7	3,600	359,750	-3,00%	8	-	-	-	9	6,100	359,625	-5,00%	10	7,492	359,277
580+0,000	7	3,600	359,646	-3,00%	8	-	-	-	9	6,100	359,521	-5,00%	10	7,492	359,172
581+0,000	7	3,600	359,541	-3,00%	8	-	-	-	9	6,100	359,416	-5,00%	10	7,492	359,068
581+7,107	7	3,600	359,503	-3,00%	8	-	-	-	9	6,100	359,378	-5,00%	10	7,492	359,030
582+0,000	7	3,600	359,424	-3,00%	8	-	-	-	9	6,100	359,299	-5,00%	10	7,492	358,951
583+0,000	7	3,600	359,253	-3,00%	8	-	-	-	9	6,100	359,128	-5,00%	10	7,492	358,780
584+0,000	7	3,600	359,026	-3,00%	8	-	-	-	9	6,100	358,901	-5,00%	10	7,492	358,552
584+12,107	7	3,600	358,860	-3,00%	8	-	-	-	9	6,100	358,735	-5,00%	10	7,492	358,387
585+0,000	7	3,600	358,740	-3,00%	8	-	-	-	9	6,100	358,615	-5,00%	10	7,492	358,267
586+0,000	7	3,600	358,398	-3,00%	8	-	-	-	9	6,100	358,273	-5,00%	10	7,492	357,925
587+0,000	7	3,600	357,998	-3,00%	8	-	-	-	9	6,100	357,873	-5,00%	10	7,492	357,524
587+17,107	7	3,600	357,610	-3,00%	8	-	-	-	9	6,100	357,485	-5,00%	10	7,492	357,137
588+0,000	7	3,600	357,541	-3,00%	8	-	-	-	9	6,100	357,416	-5,00%	10	7,492	357,068
589+0,000	7	3,600	357,063	-3,00%	8	-	-	-	9	6,100	356,938	-5,00%	10	7,492	356,590
590+0,000	7	3,600	356,585	-3,00%	8	-	-	-	9	6,100	356,460	-5,00%	10	7,492	356,112
591+0,000	7	3,600	356,107	-3,00%	8	-	-	-	9	6,100	355,982	-5,00%	10	7,492	355,634
592+0,000	7	3,600	355,630	-3,00%	8	-	-	-	9	6,100	355,505	-5,00%	10	7,492	355,156
593+0,000	7	3,600	355,152	-3,00%	8	-	-	-	9	6,100	355,027	-5,00%	10	7,492	354,679
594+0,000	7	3,600	354,674	-3,00%	8	-	-	-	9	6,100	354,549	-5,00%	10	7,492	354,201
595+0,000	7	3,600	354,196	-3,00%	8	-	-	-	9	6,100	354,071	-5,00%	10	7,492	353,723
595+19,535	7	3,600	353,729	-3,00%	8	-	-	-	9	6,100	353,604	-5,00%	10	7,492	353,256
596+0,000	7	3,600	353,718	-3,00%	8	-	-	-	9	6,100	353,593	-5,00%	10	7,492	353,245
597+0,000	7	3,600	353,240	-3,00%	8	-	-	-	9	6,100	353,115	-5,00%	10	7,492	352,767
598+0,000	7	3,600	352,762	-3,00%	8	-	-	-	9	6,100	352,637	-5,00%	10	7,492	352,289
599+0,000	7	3,600	352,284	-3,00%	8	-	-	-	9	6,100	352,159	-5,00%	10	7,492	351,811
600+0,000	7	3,600	351,806	-3,00%	8	-	-	-	9	6,100	351,681	-5,00%	10	7,492	351,333
601+0,000	7	3,600	351,329	-3,00%	8	-	-	-	9	6,100	351,204	-5,00%	10	7,492	350,855
602+0,000	7	3,600	350,851	-3,00%	8	-	-	-	9	6,100	350,726	-5,00%	10	7,492	350,378
603+0,000	7	3,600	350,373	-3,00%	8	-	-	-	9	6,100	350,248	-5,00%	10	7,492	349,900
604+0,000	7	3,600	349,895	-3,00%	8	-	-	-	9	6,100	349,770	-5,00%	10	7,492	349,422
605+0,000	7	3,600	349,417	-3,00%	8	-	-	-	9	6,100	349,292	-5,00%	10	7,492	348,944
606+0,000	7	3,600	348,939	-3,00%	8	-	-	-	9	6,100	348,814	-5,00%	10	7,492	348,466
607+0,000	7	3,600	348,461	-3,00%	8	-	-	-	9	6,100	348,336	-5,00%	10	7,492	347,988
608+0,000	7	3,600	347,983	-3,00%	8	-	-	-	9	6,100	347,858	-5,00%	10	7,492	347,510
609+0,000	7	3,600	347,505	-3,00%	8	-	-	-	9	6,100	347,380	-5,00%	10	7,492	347,032
610+0,000	7	3,600	347,027	-3,00%	8	-	-	-	9	6,100	346,902	-5,00%	10	7,492	346,554
611+0,000	7	3,600	346,550	-3,00%	8	-	-	-	9	6,100	346,425	-5,00%	10	7,492	346,076
612+0,000	7	3,600	346,072	-3,00%	8	-	-	-	9	6,100	345,947	-5,00%	10	7,492	345,599
613+0,000	7	3,600	345,594	-3,00%	8	-	-	-	9	6,100	345,469	-5,00%	10	7,492	345,121
614+0,000	7	3,600	345,116	-3,00%	8	-	-	-	9	6,100	344,991	-5,00%	10	7,492	344,643
615+0,000	7	3,600	344,638	-3,00%	8	-	-	-	9	6,100	344,513	-5,00%	10	7,492	344,165
616+0,000	7	3,600	344,160	-3,00%	8	-	-	-	9	6,100	344,035	-5,00%	10	7,492	343,687
617+0,000	7	3,600	343,682	-3,00%	8	-	-	-	9	6,100	343,557	-5,00%	10	7,492	343,209
618+0,000	7	3,600	343,204	-3,00%	8	-	-	-	9	6,100	343,079	-5,00%	10	7,492	342,731
619+0,000	7	3,600	342,726	-3,00%	8	-	-	-	9	6,100	342,601	-5,00%	10	7,492	342,253
620+0,000	7	3,600	342,248	-3,00%	8	-	-	-	9	6,100	342,123	-5,00%	10	7,492	341,775
621+0,000	7	3,600	341,771	-3,00%	8	-	-	-	9	6,100	341,646	-5,00%	10	7,492	341,297
622+0,000	7	3,600	341,293	-3,00%	8	-	-	-	9	6,100	341,168	-5,00%	10	7,492	340,820
623+0,000	7	3,600	340,815	-3,00%	8	-	-	-	9	6,100	340,690	-5,00%	10	7,492	340,342
624+0,000	7	3,600	340,337	-3,00%	8	-	-	-	9	6,100	340,212	-5,00%	10	7,492	339,864
625+0,000	7	3,600	339,859	-3,00%	8	-	-	-	9	6,100	339,734	-5,00%	10	7,492	339,386
626+0,000	7	3,600	339,381	-3,00%	8	-	-	-	9	6,100	339,256	-5,00%	10	7,492	338,908
627+0,000	7	3,600	338,903	-3,00%	8	-	-	-	9	6,100	338,778	-5,00%	10	7,492	338,430
628+0,000	7	3,600	338,425	-3,00%	8	-	-	-	9	6,100	338,300	-5,00%	10	7,492	337,952
629+0,000	7	3,600	337,947	-3,00%	8	-	-	-	9	6,100	337,822	-5,00%	10	7,492	337,474
630+0,000	7	3,600	337,469	-3,00%	8	-	-	-	9	6,100	337,344	-5,00%	10	7,492	336,996
631+0,000	7	3,600	336,992	-3,00%	8	-	-	-	9	6,100	336,867	-5,00%	10	7,492	336,518
632+0,000	7	3,600	336,514	-3,00%	8	-	-	-	9	6,100	336,389	-5,00%	10	7,492	336,041
633+0,000	7	3,600	336,036	-3,00%	8	-	-	-	9	6,100	335,911	-5,00%	10	7,492	335,563
634+0,000	7	3,600	335,558	-3,00%	8	-	-	-	9	6,100	335,433	-5,00%	10	7,492	335,085
635+0,000	7	3,600	335,080	-3,00%	8	-	-	-	9	6,100	334,955	-5,00%	10	7,492	334,607
636+0,000	7	3,600	334,602	-3,00%	8	-	-	-	9	6,100	334,477	-5,00%	10	7,492	334,129
637+0,000	7	3,600	334,124	-3,00%	8	-	-	-	9	6,100	333,999	-5,00%	10	7,492	333,651
638+0,000	7	3,600	333,646	-3,00%	8	-	-	-	9	6,100	333,521	-5,00%	10	7,492	333,173
639+0,000	7	3,600	333,168	-3,00%	8	-	-	-	9	6,100	333,043	-5,00%	10	7,492	332,695
639+13,548	7	3,600	332,845	-3,00%	8	-	-	-	9	6,100	332,720	-5,00%	10	7,492	332,372
640+0,000	7	3,600	332,690	-3,00%	8	-	-	-	9	6,100	332,565	-5,00%	10	7,492	332,217
641+0,000	7	3,600	332,213	-3,00%	8	-	-	-	9	6,100	332,088	-5,00%	10	7,492	331,739
642+0,000	7	3,600	331,735	-3,00%	8	-	-	-	9	6,100	331,610	-5,00%	10	7,492	331,262
643+0,000	7	3,600	331,257	-3,00%	8	-	-	-	9	6,100	331,132	-5,00%	10	7,492	330,784
644+0,000	7	3,600	330,779	-3,00%	8	-	-	-	9	6,100	330,654	-5,00%	10	7,492	330,306
645+0,000	7	3,600	330,301	-3,00%	8	-	-	-	9	6,100	330,176	-5,00%	10	7,492	329,828
646+0,000	7	3,600	329,823	-3,00%	8	-	-	-	9	6,100	329,698	-5,00%	10	7,492	329,350
646+17,522	7	3,600	329,404	-3,00%	8	-	-	-	9	6,100	329,279	-5,00%	10	7,492	328,931
647+0,000	7	3,600	329,345	-3,00%	8	-	-	-	9	6,100	329,220	-5,00%	10	7,492	328,872
648+0,000	7	3,600	328,867	-3,00%	8	-	-	-	9	6,100	328,742	-5,00%	10	7,492	328,394
649+0,000	7	3,600	328,389	-3,00%	8	-	-	-	9	6,100	328,264	-5,00%	10	7,492	327,916
650+0,000	7	3,600	327,911	-3,00%	8	-	-	-	9	6,100	327,786	-5,00%	10	7,492	327,438
651+0,000	7	3,600	327,434	-3,00%	8	-	-	-	9	6,100	327,309	-5,00%	10	7,492	326,960
652+0,000	7	3,600	326,956	-3,00%	8	-	-	-	9	6,100	326,831	-5,00%	10	7,492	326,483
652+5,000	7	3,600	326,836	-3,00%	8	-	-	-	9	6,100	326,711	-5,00%	10	7,492	326,363
653+0,000	7	3,600	326,493	-3,00%	8	-	-	-	9	6,100	326,368	-5,00%	10	7,492	326,020
654+0,000	7	3,600	326,083	-3,00%	8	-	-	-	9	6,100	325,958	-5,00%	10	7,492	325,609
654+1,496	7	3,600	326,054	-3,00%	8	-	-	-	9	6,100	325,929	-5,00%	10	7,492	325,581
655+0,000	7	3,600	325,726	-3,00%	8	-	-	-	9	6,100	325,601	-5,00%	10	7,492	325,253
655+15,000	7	3,600	325,494	-3,00%	8	-	-	-	9	6,100	325,369	-5,00%	10	7,492	325,021
656+0,000	7	3,600	325,424	-3,00%	8	-	-	-	9	6,100	325,299	-5,00%	10	7,492	324,950
657+0,000	7	3,600	325,175	-3,00%	8	-	-	-	9	6,100	325,050	-5,00%	10	7,492	324,702
658+0,000	7	3,600	324,980	-3,00%	8	-	-	-	9	6,100	324,855	-5,00%	10	7,492	324,507
659+0,000	7	3,600	324,840	-3,00%	8	-	-	-	9	6,100	324,715	-5,00%	10	7,492	324,367
659+5,000	7	3,600	324,813	-3,00%	8	-	-	-	9	6,100	324,688	-5,00%	10	7,492	324,340
660+0,000	7	3,600	324,738	-3,00%	8	-	-	-	9	6,100	324,613	-5,00%	10	7,492	324,265
661+0,000	7	3,600	324,638	-3,00%	8	-	-	-	9	6,100	324,513	-5,00%	10	7,492	324,165
662+0,000	7	3,600	324,538	-3,00%	8	-	-	-	9	6,100	324,413	-5,00%	10	7,492	324,065
663+0,000	7	3,600	324,437	-3,00%	8	-	-	-	9	6,100	324,312	-5,00%	10	7,492	323,964
663+16,796	7	3,600	324,353	-3,00%	8	-	-	-	9	6,100	324,228	-5,00%	10	7,492	323,880
664+0,000	7	3,600	324,355	-2,52%	8	-	-	-	9	6,100	324,230	-5,00%	10	7,492	323,882
664+16,796	7	3,600	324,361	0,00%	8	-	-	-	9	6,100	324,236	-5,00%	10	7,492	323,888
665+0,000	7	3,600	324,362	0,48%	8	-	-	-	9	6,100	324,237	-5,00%	10	7,492	323,889
665+7,463	7	3,600	324,365	1,60%	8	-	-	-	9	6,100	324,240	-5,00%	10	7,492	323,892
665+12,796	7	3,600	324,368	2,40%	8	-	-	-	9	6,100	324,253	-4,60%	10	7,492	323,904
665+16,796	7	3,600	324,369	3,00%	8	-	-	-	9	6,100	324,269	-4,00%	10	7,492	323,921
665+17,445	7	3,600	324,366	3,00%	8	-	-	-	9	6,100	324,266	-4,00%	10	7,492	323,918
666+0,000	7	3,600	324,353	3,00%	8	-	-	-	9	6,100	324,253	-4,00%	10	7,492	323,905
666+10,778	7	3,600	324,299	3,00%	8	-	-	-	9	6,100	324,199	-4,00%	10	7,600	323,824
667+0,000	7	3,600	324,253	3,00%	8	-	-	-	9	6,100	324,153	-4,00%	10	7,600	323,778
667+10,778	7	3,600	324,199	3,00%	8	-	-	-	9	6,100	324,099	-4,00%	10	7,600	323,724
668+0,000	7	3,600	324,153	3,00%	8	-	-	-	9	6,100	324,053	-4,00%	10	7,600	323,678
668+4,111	7	3,600	324,132	3,00%	8	-	-	-	9	6,100	324,032	-4,00%	10	7,600	323,657
668+6,778	7	3,600	324,119	3,00%	8	-	-	-	9	6,100	324,019	-4,00%	10	7,600	323,644
668+10,778	7	3,600	324,099	3,00%	8	-	-	-	9	6,100	323,999	-4,00%	10	7,600	323,624
669+0,000	7	3,600	324,053	3,00%	8	-	-	-	9	6,100	323,953	-4,00%	10	7,600	323,578
670+0,000	7	3,600	323,952	3,00%	8	-	-	-	9	6,100	323,852	-4,00%	10	7,600	323,477
671+0,000	7	3,600	323,852	3,00%	8	-	-	-	9	6,100	323,752	-4,00%	10	7,600	323,377
672+0,000	7	3,600	323,752	3,00%	8	-	-	-	9	6,100	323,652	-4,00%	10	7,600	323,277
673+0,000	7	3,600	323,652	3,00%	8	-	-	-	9	6,100	323,552	-4,00%	10	7,600	323,477
674+0,000	7	3,600	323,552	3,00%	8	-	-	-	9	6,100	323,452	-4,00%	10	7,600	323,377
675+0,000	7	3,600	323,452	3,00%	8	-	-	-	9	6,100	323,352	-4,00%	10	7,600	323,277
676+0,000	7	3,600	323,352	3,00%	8	-	-	-	9	6,100	323,252	-4,00%	10	7,600	323,177
677+0,000	7	3,600	323,251	3,00%	8	-	-	-	9	6,100	323,151	-4,00%	10	7,600	323,076
678+0,000	7	3,600	323,151	3,00%	8	-	-	-	9	6,100	323,051	-4,00%	10	7,600	322,976
679+0,000	7	3,600	323,051	3,00%	8	-	-	-	9	6,100	322,951	-4,00%	10	7,600	322,876
680+0,000	7	3,600	322,951	3,00%	8	-	-	-	9	6,100	322,851	-4,00%	10	7,600	322,776
681+0,000	7	3,600	322,851	3,00%	8	-	-	-	9	6,100	322,751	-4,00%	10	7,600	322,676
682+0,000	7	3,600	322,751	3,00%	8	-	-	-	9	6,100	322,651	-4,00%	10	7,600	322,576
683+0,000	7	3,600	322,651	3,00%	8	-	-	-	9	6,100	322,551	-4,00%	10	7,600	322,476
684+0,000	7	3,600	322,550	3,00%	8	-	-	-	9	6,100	322,450	-4,00%	10	7,600	322,375
685+0,000	7	3,600	322,450	3,00%	8	-	-	-	9	6,100	322,350	-4,00%	10	7,600	322,275
685+5,000	7	3,600	322,425	3,00%	8	-	-	-	9	6,100	322,325	-4,00%	10	7,600	322,250
686+0,000	7	3,600	322,370	3,00%	8	-	-	-	9	6,100	322,270	-4,00%	10	7,600	322,195

LADO DIREITO (cont.) e ALTURAS DOS TALUDES

ESTACA	Inicio da Primeira Berma / Encontro de Talude P.	Dist.	Cota	Fim da Primeira Berma P.	Dist.	Cota	Inicio da Segunda Berma P.	Dist.	Cota	Fim da Segunda Berma P.	Dist.	Cota	Talude P.	Dist.	Cota	LE	LD
573+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	32,305	360,384	-2,1	-1,2
574+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	32,184	360,218	-2,2	-1,1
575+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	32,336	360,189	-2,2	-1,2
576+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	32,636	360,234	-2,4	-1,3
577+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	32,803	360,213	-2,5	-1,4
578+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	32,891	360,153	-2,4	-1,4
579+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	33,034	360,119	-2,3	-1,5
580+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	33,314	360,154	-2,3	-1,7
581+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	33,399	360,092	-2,3	-1,7
581+7,107	15	-	-	16	-	-	17	-	-	18	-	-	33	33,411	360,061	-2,3	-1,7
582+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	33,458	360,005	-2,3	-1,7
583+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	33,610	359,910	-2,1	-1,8
584+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	33,808	359,781	-2,2	-1,9
584+12,107	15	-	-	16	-	-	17	-	-	18	-	-	33	34,066	359,745	-2,1	-2,0
585+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	34,402	359,793	-2,1	-2,2
586+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	34,778	359,639	-2,2	-2,4
587+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	35,103	359,401	-2,4	-2,6
587+17,107	15	-	-	16	-	-	17	-	-	18	-	-	33	35,471	359,197	-2,5	-2,7
588+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	35,538	359,162	-2,5	-2,8
589+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	35,969	358,899	-2,6	-3,0
590+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,155	358,515	-2,6	-3,1
591+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,417	358,167	-2,7	-3,2
592+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,849	357,906	-2,8	-3,4
593+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,064	357,536	-2,9	-3,5
594+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,020	357,036	-2,9	-3,5
595+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,957	356,526	-2,9	-3,5
595+19,535	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-2,9	352,6
596+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-2,9	352,6
597+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,297	355,687	-2,8	-3,6
598+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,729	355,425	-2,9	-3,8
599+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,849	355,008	-2,9	-3,9
600+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,519	354,365	-2,8	-3,7
601+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,416	353,835	-2,8	-3,7
602+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,384	353,342	-2,7	-3,6
603+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,291	352,817	-2,9	-3,6
604+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,260	352,324	-2,9	-3,6
605+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,030	351,731	-2,7	-3,5
606+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,695	351,085	-2,7	-3,3
607+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,524	350,522	-2,7	-3,2
608+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,282	349,923	-2,6	-3,1
609+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,339	349,474	-2,5	-3,1
610+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,612	349,132	-2,5	-3,3
611+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,871	348,784	-2,5	-3,4
612+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,678	348,209	-2,4	-3,3
613+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,491	347,638	-2,4	-3,2
614+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,402	347,115	-2,5	-3,2
615+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,333	346,603	-2,4	-3,1
616+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,362	346,140	-2,3	-3,1
617+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,400	345,681	-2,3	-3,1
618+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,458	345,232	-2,3	-3,2
619+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,351	344,700	-2,3	-3,1
620+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	35,947	344,021	-2,3	-2,9
621+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	35,980	343,559	-2,3	-2,9
622+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,240	343,211	-2,3	-3,1
623+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,269	342,748	-2,3	-3,1
624+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,009	342,140	-2,3	-3,0
625+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	35,998	341,657	-2,2	-2,9
626+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,255	341,307	-2,2	-3,1
627+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,384	340,894	-2,3	-3,1
628+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,213	340,331	-2,3	-3,1
629+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	35,821	339,656	-2,4	-2,9
630+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,220	339,378	-2,4	-3,1
631+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,584	339,082	-2,4	-3,2
632+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,017	338,821	-2,5	-3,5
633+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,399	338,534	-2,6	-3,6
634+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,503	338,108	-2,6	-3,7
635+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,345	337,551	-2,6	-3,6
636+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,188	336,995	-2,7	-3,5
637+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,262	336,554	-2,7	-3,6
638+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,400	336,145	-2,8	-3,7
639+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,474	335,704	-2,8	-3,7
639+13,548	15	-	-	16	-	-	17	-	-	18	-	-	33	37,490	335,388	-2,7	-3,7
640+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,689	335,334	-2,8	-3,8
641+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,710	334,866	-2,9	-3,8
642+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,657	334,362	-2,9	-3,8
643+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,750	333,930	-2,9	-3,8
644+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,836	333,496	-3,0	-3,9
645+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,964	333,082	-3,0	-3,9
646+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	38,161	332,702	-3,1	-4,0
646+17,522	15	-	-	16	-	-	17	-	-	18	-	-	33	38,260	332,333	-3,1	-4,1
647+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	38,274	332,281	-3,1	-4,1
648+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	38,370	331,851	-3,2	-4,1
649+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	38,869	331,622	-3,3	-4,4
650+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	39,196	331,308	-3,5	-4,5
651+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	39,546	331,005	-3,5	-4,7
652+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	39,554	330,531	-3,5	-4,7
652+5,000	15	-	-	16	-	-	17	-	-	18	-	-	33	39,517	330,393	-3,6	-4,7
653+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	39,376	329,980	-3,6	-4,6
654+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	39,090	329,426	-3,7	-4,5
654+1,496	15	-	-	16	-	-	17	-	-	18	-	-	33	39,065	329,385	-3,7	-4,5
655+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	38,904	328,977	-3,7	-4,4
655+15,000	15	-	-	16	-	-	17	-	-	18	-	-	33	38,743	328,664	-3,7	-4,3
656+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	38,732	328,588	-3,7	-4,3
657+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	38,568	328,258	-3,6	-4,2
658+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	38,273	327,916	-3,5	-4,1
659+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,829	327,553	-3,3	-3,9
659+5,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,695	327,459	-3,2	-3,8
660+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	37,281	327,177	-3,0	-3,6
661+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,778	326,825	-2,7	-3,3
662+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	36,304	326,488	-2,5	-3,1
663+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	35,964	326,218	-2,3	-2,9
663+16,796	15	-	-	16	-	-	17	-	-	18	-	-	33	35,978	326,141	-2,1	-2,9
664+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	35,922	326,114	-2,1	-2,9
664+16,796	15	-	-	16	-	-	17	-	-	18	-	-	33	35,245	325,783	-1,9	-2,6
665+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	35,116	325,719	-1,9	-2,5
665+7,463	15	-	-	16	-	-	17	-	-	18	-	-	33	34,816	325,572	-1,8	-2,4
665+12,796	15	-	-	16	-	-	17	-	-	18	-	-	33	34,591	325,473	-1,8	-2,2
665+16,796	15	-	-	16	-	-	17	-	-	18	-	-	33	34,407	325,400	-1,8	-2,2
665+17,445	15	-	-	16	-	-	17	-	-	18	-	-	33	34,391	325,388	-1,8	-2,1
666+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	34,325	325,343	-1,7	-2,1
666+10,778	15	-	-	16	-	-	17	-	-	18	-	-	33	8,888	325,108	-1,7	-1,3
667+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,847	325,025	-1,6	-1,2
667+10,778	15	-	-	16	-	-	17	-	-	18	-	-	33	8,779	324,903	-1,5	-1,2
668+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,677	324,755	-1,4	-1,1
668+4,111	15	-	-	16	-	-	17	-	-	18	-	-	33	8,630	324,687	-1,3	-1,0
668+6,778	15	-	-	16	-	-	17	-	-	18	-	-	33	8,599	324,643	-1,3	-1,0
668+10,778	15	-	-	16	-	-	17	-	-	18	-	-	33	8,553	324,576	-1,3	-1,0
669+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,446	324,423	-1,2	-0,8
670+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,239	324,117	-1,0	-0,6
671+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,036	323,813	-0,9	-0,4
672+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	7,906	323,582	-0,5	-0,3
673+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	7,783	323,355	-0,4	0,1
674+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	7,983	323,121	0,0	0,3
675+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,091	322,949	0,1	0,3
676+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,256	322,739	0,2	0,4
677+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,392	322,548	0,3	0,5
678+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,456	322,406	0,4	0,6
679+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,610	322,203	0,4	0,7
680+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,714	322,033	0,5	0,7
681+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,642	321,981	0,4	0,7
682+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,521	321,961	0,4	0,6
683+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,537	321,851	0,2	0,6
684+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,589	321,716	0,4	0,7
685+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,569	321,629	0,4	0,6
685+5,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,558	321,612	0,4	0,6
686+0,000	15	-	-	16	-	-	17	-	-	18	-	-	33	8,522	321,580	0,4	0,6

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

BR-158/262-MS

LADO ESQUERDO – PLATAFORMA ACABADA | COTAS DE EIXO | LADO DIREITO – PLATAFORMA ACABADA | ALTURAS DOS TALUDES

ESTACA	Elementos do Projeto		Talude			Fim da Segunda Berma			Inicio da Segunda Berma			Fim da Primeira Berma			Inicio da Primeira Berma / Encontro de Talude			Fundo canaleta / Barreira			Acostamento / Faixa de Segurança / Concordância de Pista				Faixa de Aceleração ou Desaceleração				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Faixa de Aceleração ou Desaceleração				Acostamento / Faixa de Segurança / Concordância de Pista				Fundo canaleta / Barreira			Inicio da Primeira Berma / Encontro de Talude			Fim da Primeira Berma			Inicio da Segunda Berma			Fim da Segunda Berma			Talude			ALTURAS DOS TALUDES	
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
686+5,220			33	-8,215	321,534	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	321,944	9	-6,100	322,019	-5,00%	8	-	-	-	7	-3,600	322,144	-3,00%	321,555	322,252	0,697	7	3,600	322,360	3,00%	8	-	-	-	9	6,100	322,260	-4,00%	10	7,600	322,185	15	-	-	16	-	-	17	-	-	18	-	-	33	8,498	321,587	0,4	0,6
687+0,000			33	-8,263	321,501	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	321,944	9	-6,100	322,019	-5,00%	8	-	-	-	7	-3,600	322,144	-3,00%	321,546	322,252	0,706	7	3,600	322,360	3,00%	8	-	-	-	9	6,100	322,260	-4,00%	10	7,600	322,185	15	-	-	16	-	-	17	-	-	18	-	-	33	8,469	321,605	0,4	0,6
687+10,000			33	-8,293	321,504	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	321,965	9	-6,100	322,040	-5,00%	8	-	-	-	7	-3,600	322,165	-3,00%	321,508	322,273	0,765	7	3,600	322,381	3,00%	8	-	-	-	9	6,100	322,281	-4,00%	10	7,600	322,206	15	-	-	16	-	-	17	-	-	18	-	-	33	8,552	321,572	0,5	0,6
688+0,000			33	-8,345	321,508	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	322,005	9	-6,100	322,080	-5,00%	8	-	-	-	7	-3,600	322,205	-3,00%	321,475	322,313	0,838	7	3,600	322,421	3,00%	8	-	-	-	9	6,100	322,321	-4,00%	10	7,600	322,246	15	-	-	16	-	-	17	-	-	18	-	-	33	8,717	321,501	0,5	0,7
689+0,000			33	-8,625	321,454	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	322,138	9	-6,100	322,213	-5,00%	8	-	-	-	7	-3,600	322,338	-3,00%	321,424	322,446	1,022	7	3,600	322,554	3,00%	8	-	-	-	9	6,100	322,454	-4,00%	10	7,600	322,379	15	-	-	16	-	-	17	-	-	18	-	-	33	9,079	321,393	0,7	1,0
689+15,000		PTV	33	-8,956	321,381	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	322,285	9	-6,100	322,360	-5,00%	8	-	-	-	7	-3,600	322,485	-3,00%	321,344	322,593	1,249	7	3,600	322,701	3,00%	8	-	-	-	9	6,100	322,601	-4,00%	10	7,600	322,526	15	-	-	16	-	-	17	-	-	18	-	-	33	9,419	321,313	0,9	1,2
690+0,000			33	-9,076	321,356	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	322,340	9	-6,100	322,415	-5,00%	8	-	-	-	7	-3,600	322,540	-3,00%	321,317	322,648	1,332	7	3,600	322,756	3,00%	8	-	-	-	9	6,100	322,656	-4,00%	10	7,600	322,581	15	-	-	16	-	-	17	-	-	18	-	-	33	9,542	321,286	1,0	1,3
691+0,000			33	-9,606	321,225	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	322,563	9	-6,100	322,638	-5,00%	8	-	-	-	7	-3,600	322,763	-3,00%	321,262	322,871	1,609	7	3,600	322,979	3,00%	8	-	-	-	9	6,100	322,879	-4,00%	10	7,600	322,804	15	-	-	16	-	-	17	-	-	18	-	-	33	9,976	321,220	1,3	1,6
692+0,000			33	-9,961	321,211	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	322,785	9	-6,100	322,860	-5,00%	8	-	-	-	7	-3,600	322,985	-3,00%	321,187	323,093	1,906	7	3,600	323,201	3,00%	8	-	-	-	9	6,100	323,101	-4,00%	10	7,600	323,026	15	-	-	16	-	-	17	-	-	18	-	-	33	10,492	321,099	1,6	1,9
693+0,000			33	-10,492	321,080	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	323,008	9	-6,100	323,083	-5,00%	8	-	-	-	7	-3,600	323,208	-3,00%	321,068	323,316	2,248	7	3,600	323,424	3,00%	8	-	-	-	9	6,100	323,324	-4,00%	10	7,600	323,249	15	-	-	16	-	-	17	-	-	18	-	-	33	10,953	321,014	1,9	2,2
694+0,000			33	-10,873	321,048	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	323,231	9	-6,100	323,306	-5,00%	8	-	-	-	7	-3,600	323,431	-3,00%	320,970	323,539	2,569	7	3,600	323,647	3,00%	8	-	-	-	9	6,100	323,547	-4,00%	10	7,600	323,472	15	-	-	16	-	-	17	-	-	18	-	-	33	11,358	320,967	2,2	2,5
695+0,000			33	-11,437	320,895	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	323,453	9	-6,100	323,528	-5,00%	8	-	-	-	7	-3,600	323,653	-3,00%	320,880	323,761	2,882	7	3,600	323,869	3,00%	8	-	-	-	9	6,100	323,769	-4,00%	10	7,600	323,694	15	-	-	16	-	-	17	-	-	18	-	-	33	11,824	320,878	2,6	2,8
695+10,000		PCV	33	-11,681	320,844	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	323,564	9	-6,100	323,639	-5,00%	8	-	-	-	7	-3,600	323,764	-3,00%	320,847	323,872	3,025	7	3,600	323,980	3,00%	8	-	-	-	9	6,100	323,880	-4,00%	10	7,600	323,805	15	-	-	16	-	-	17	-	-	18	-	-	33	12,201	320,738	2,7	3,1
696+0,000			33	-11,901	320,800	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	323,667	9	-6,100	323,742	-5,00%	8	-	-	-	7	-3,600	323,867	-3,00%	320,800	323,975	3,175	7	3,600	324,083	3,00%	8	-	-	-	9	6,100	323,983	-4,00%	10	7,600	323,908	15	-	-	16	-	-	17	-	-	18	-	-	33	12,415	320,699	2,9	3,2
697+0,000			33	-12,244	320,728	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	323,824	9	-6,100	323,899	-5,00%	8	-	-	-	7	-3,600	324,024	-3,00%	320,694	324,132	3,438	7	3,600	324,240	3,00%	8	-	-	-	9	6,100	324,140	-4,00%	10	7,600	324,065	15	-	-	16	-	-	17	-	-	18	-	-	33	12,614	320,722	3,1	3,3
697+12,106			33	-12,385	320,696	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	323,888	9	-6,100	323,963	-5,00%	8	-	-	-	7	-3,600	324,088	-3,00%	320,642	324,196	3,554	7	3,600	324,304	3,00%	8	-	-	-	9	6,100	324,204	-4,00%	10	7,600	324,129	15	-	-	16	-	-	17	-	-	18	-	-	33	12,820	320,647	3,2	3,5
698+0,000			33	-12,530	320,678	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	323,964	9	-6,100	324,039	-3,00%	8	-4,006	324,102	-3,00%	7	-3,600	324,114	-3,00%	320,611	324,222	3,612	7	3,600	324,330	3,00%	8	-	-	-	9	6,100	324,230	-4,00%	10	7,600	324,155	15	-	-	16	-	-	17	-	-	18	-	-	33	12,937	320,598	3,3	3,6
699+0,000			33	-12,819	320,596	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,736	323,985	9	-6,236	324,060	-3,00%	8	-5,035	324,096	-3,00%	7	-3,600	324,139	-3,00%	320,588	324,247	3,659	7	3,600	324,355	3,00%	8	-	-	-	9	6,100	324,255	-4,00%	10	7,600	324,180	15	-	-	16	-	-	17	-	-	18	-	-	33	12,995	320,584	3,4	3,6
699+5,050			33	-13,090	320,577	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,996	323,973	9	-6,494	324,048	-3,00%	8	-5,293	324,084	-3,00%	7	-3,600	324,135	-3,00%	320,584	324,243	3,659	7	3,600	324,351	3,00%	8	-	-	-	9	6,100	324,251	-4,00%	10	7,600	323,351	15	-	-	16	-	-	17	-	-	18	-	-	33	13,257	320,579	3,4	2,8
700+0,000			33	-13,877	320,504	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,765	323,912	9	-7,265	323,987	-3,00%	8	-6,063	324,023	-3,00%	7	-3,600	324,097	-3,00%	320,455	324,205	3,751	7	3,600	324,313	3,00%	8	4,370	324,336	3,00%	9	6,100	324,388	3,00%	10	7,600	324,313	15	-	-	16	-	-	17	-	-	18	-	-	33	13,218	320,568	3,4	3,7
700+10,000		PTV	33	-14,340	320,478	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,279	323,851	9	-7,779	323,926	-3,00%	8	-6,577	323,962	-3,00%	7	-3,600	324,052	-3,00%	320,363	324,160	3,797	7	3,600	324,268	3,00%	8	4,886	324,306	3,00%	9	6,100	324,343	3,00%	10	7,600	324,268	15	-	-	16	-	-	17	-	-	18	-	-	33	13,184	320,545	3,4	3,7
701+0,000			33	-14,833	320,423	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,793	323,782	9	-8,293	323,857	-3,00%	8	-7,092	323,893	-3,00%	7	-3,600	323,998	-3,00%	320,326	324,106	3,780	7	3,600	324,214	3,00%	8	5,401	324,268	3,00%	9	6,603	324,304	3,00%	10	8,103	324,229	15	-	-	16	-	-	17	-	-	18	-	-	33	13,641	320,537	3,4	3,7
701+2,106			33	-14,937	320,410	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,900	323,768	9	-8,400	323,843	-3,00%	8	-7,200	323,879	-3,00%	7	-3,600	323,987	-3,00%	320,318	324,095	3,777	7	3,600	324,203	3,00%	8	5,510	324,260	3,00%	9	6,711	324,296	3,00%	10	8,211	324,221	15	-	-	16	-	-	17	-	-	18	-	-	33	13,753	320,527	3,4	3,7
702+0,000			33	-14,927	320,320	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,900	323,671	9	-8,400	323,746	-3,00%	8	-7,200	323,782	-3,00%	7	-3,600	323,890	-3,00%	320,261	323,998	3,737	7	3,600	324,106	3,00%	8	6,432	324,191	3,00%	9	7,634	324,227	3,00%	10	9,134	324,152	15	-	-	16	-	-	17	-	-	18	-	-	33	14,700	320,441	3,4	3,7
702+12,106			33	-14,918	320,260	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,900	323,606	9	-8,400	323,681	-3,00%	8	-7,200	323,717	-3,00%	7	-3,600	323,825	-3,00%	320,230	323,933	3,703	7	3,600	324,041	3,00%	8	7,056	324,145	3,00%	9	8,257	324,181	3,00%	10	9,757	324,106	15	-	-	16	-	-	17	-	-	18	-	-	33	15,343	320,382	3,3	3,7
702+14,902			33	-14,951	320,250	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,941	323,590	9	-8,441	323,665	-3,00%	8	-7,199	323,702	-3,00%	7	-3,600	323,810	-3,00%	320,227	323,918	3,691	7	3,600	324,026	3,00%	8	7,200	324,134	3,00%	9	8,400	324,170	3,00%	10	9,900	324,095	15	-	-	16	-	-	17	-	-	18	-	-	33	15,489	320,369	3,3	3,7
703+0,000			33	-15,031	320,231	18	-	-	17	-	-	16	-	-	15	-	-	10	-10,039	323,560	9	-8,539	323,635	-3,00%	8	-7,193	323,675	-3,00%	7	-3,600	323,783	-3,00%	320,222	323,891	3,668	7	3,600	323,999	3,00%	8	7,200	324,107	3,00%	9	8,400	324,143	3,00%	10	9,900	324,068	15	-	-	16	-	-	17	-	-	18	-	-	33	15,479	320,348	3,3	3,7
703+4,882			33	-15,132	320,213	18	-	-	17	-	-	16	-	-	15	-	-	10	-10,158	323,530	9	-8,658	323,605	-3,00%	8	-7,191	323,649	-3,00%	7	-3,600	323,756	-3,00%	320,217	323,864	3,647	7	3,600	323,972	3,00%	8	7,200	324,080	3,00%	9	8,400	324,116	3,00%	10	9,900	324,041	15	-	-	16	-	-	17	-	-	18	-	-	33	15,470	320,328	3,3	3,7
704+0,000			33	-15,534	320,203	18	-	-	17	-	-	16	-	-	15	-	-	10	-10,690	323,432	9	-9,190	323,507	-3,00%	8	-7,372	323,562	-3,00%	7	-3,600	323,675	-3,00%	320,195	323,783	3,588	7	3,600	323,891	3,00%	8	7,317	324,003	3,00%	9	8,843	324,048	3,00%	10	10,343	323,973	15	-	-	16	-	-	17	-	-	18	-	-	33	15,930	320,248	3,2	3,7
704+5,000		PCV	33	-15,747	320,188	18	-	-	17	-	-	16	-	-	15	-	-	10	-10,932	323,398	9	-9,432	323,473	-3,00%	8	-7,536	323,530	-3,00%	7	-3,600	323,648	-3,00%	320,199	323,756	3,557	7	3,600	323,864	3,00%	8	7,440	323,979	3,00%	9	9,093	324,029	3,00%	10	10,593	323,954	15	-	-	16	-	-	17	-	-	18	-	-	33	16,167	320,238	3,2	3,7
705+0,000			33	-17,061	320,151	18	-	-	17	-	-	16	-	-	15	-	-	10	-12,302	323,323	9	-10,802	323,398	-3,00%	8	-8,543	323,466	-3,00%	7	-3,600	323,614	-3,00%	320,160	323,722	3,563	7	3,600	323,830	3,00%	8	8,231	323,969	3,00%	9	10,188	324,028	3,00%	10	11,688	323,953	15	-	-	16	-	-	17	-	-	18	-	-	33	17,295	320,215	3,2	3,7
706+0,000			33	-20,444	320,138	18	-	-	17	-	-	16	-	-	15	-	-	10	-15,667	323,322	9	-14,167	323,397	-3,00%	8	-11,609	323,474	-3,00%	7	-3,600	323,714	-3,00%	320,155	323,822	3,667	7	3,600	323,930	3,00%	8	10,725	323,930	0,00%	9	13,195	323,930	0,00%	10	14,695	323,855	15	-	-	16	-	-	17	-	-	18	-	-	33	20,204	320,183	3,2	3,7
706+5,573			33	-7,200	320,023	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-7,200	323,664	-3,00%	8	-	-	-	7	-3,600	323,772	-3,00%	320,153	323,880	3,727	7	3,600	323,988	3,00%	8	11,750	323,825	-2,00%	9	14,370	323,773	-2,00%	10	15,870	323,698	15	-	-	16	-	-	17	-	-	18	-	-	33	21,145	320,181	-	3,5
706+7,169			33	-7,200	320,016	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-7,200	323,683	-3,00%	8	-	-	-	7	-3,600	323,791	-3,00%	320,152	323,899	3,747	7	3,600	324,007	3,00%	8	12,130	323,751	-3,00%	9	14,680	323,674	-3,00%	10	16,180	323,599	15	-	-	16	-	-	17	-	-	18	-	-	33	21,309	320,180	-	3,4
706+13,644			33	-6,101	319,992	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-6,101	323,803	-3,00%	8	-	-	-	7	-3,600	323,878	-3,00%	320,143	323,986	3,844	7	3,600	324,094	3,00%	8	13,761	323,789	-3,00%	9	16,349	323,712	-3,00%	10	17,849	323,637	15	-	-	16	-	-	17	-	-	18	-	-	33	23,022	320,188	-	3,4
706+14,076			33	-6,101	319,990	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-6,101	323,810	-3,00%	8	-	-	-	7	-3,600	323,885	-3,00%	320,142	323,993	3,851	7	3,600	324,098	2,94%	8	13,878	323,913	-1,80%	9	15,500	323,884	-1,80%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	15,500	320,139	-	-
706+15,905			33	-9,553	319,978	18	-	-	17	-	-	16	-	-	15	-9,553	322,411	10	-7,600	323,713	9	-6,100	323,788	-5,00%	8	-	-	-	7	-3,600	323,913	-3,00%	320,138	324,021	3,883	7	3,600	324,117	2,66%	8	-	-	-	9	6,100	324,183	2,66%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	320,091	3,7	-
706+17,967			33	-8,149	319,976	18	-	-	17	-	-	16	-	-	15	-8,149	323,380	10	-7,600	323,741	9	-6,100	323,816	-5,00%	8	-	-	-	7	-3,600	323,941	-3,00%	320,130	324,049	3,919	7	3,600	324,135	2,35%	8	-	-	-	9	6,098	324,195	2,35%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,098	320,088	3,8	-
707+0,000			33	-13,227	320,029	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	323,781	9	-6,100	323,856	-5,00%	8	-	-	-	7	-3,600	323,981	-3,00%	320,119	324,089	3,970	7	3,600	324,163	2,05%	8	-	-	-	9	6,098	324,214	2,05%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,098	320,085	3,8	-
707+2,977	PT		33	-9,025	319,976	18	-	-	17	-	-	16	-	-	15	-9,025	322,885	10	-7,600	323,835	9	-6,100	323,910	-5,00%	8	-	-	-	7	-3,600	324,035	-3,00%	320,105	324,143	4,037	7	3,600	324,200	1,60%	8	-	-	-	9	6,100	324,240	1,60%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	320,082	3,9	-
707+5,000			33	-9,405	319,980	18	-	-	17	-	-	16	-	-	15	-9,405	322,670	10	-7,600	323,873	9	-6,100	323,948	-5,00%	8	-	-	-	7	-3,600	324,073	-3,00%	320,096	324,181	4,085	7	3,600	324,228	1,30%	8	-	-	-	9	6,100	324,261	1,30%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	320,079	3,9	-
707+5,931			33	-9,585	319,982	18	-	-	17	-	-	16	-	-	15	-9,585	322,568	10	-7,600	323,892	9	-6,100	323,967	-5,00%	8	-	-	-	7	-3,600	324,092	-3,00%	320,092	324,200	4,108	7	3,600	324,241	1,16%	8	-	-	-	9	6,100	324,270	1,16%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	320,078	3,9	-
707+13,644			33	-11,188	319,999	18	-	-	17	-	-	16	-	-	15	-11,188	321,666	10	-7,600	324,058	9	-6,100	324,133	-5,00%	8	-	-	-	7	-3,600	324,258	-3,00%	320,055	324,366	4,311	7	3,600	324,366	0,00%	8	-	-	-	9	6,100	324,241	-5,00%	10	7,600	324,166	15	9,810	322,693	16	-	-	17	-	-	18	-	-	33	9,810	320,085	4,1	4,1
708+0,000			33	-12,693	320,013	18	-	-	17	-	-	16	-	-	15	-12,693	320,818	10	-7,600	324,214	9	-6,100	324,289	-5,00%	8	-	-	-	7	-3,600	324,414	-3,00%	320,025	324,522	4,496	7	3,600	324,487	-0,95%	8	-	-	-	9	6,100	324,362	-5,00%	10	7,600	324,287	15	11,074	321,971	16	-	-	17	-	-	18	-	-	33	11,074	320,083	4,2	4,2
708+13,644			33	-14,551	319,970	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	324,604	9	-6,100	324,679	-5,00%	8	-	-	-	7	-3,600	324,804	-3,00%	319,997	324,912	4,915	7	3,600	324,804	-3,00%	8	-	-	-	9	6,100	324,679	-5,00%	10	7,600	324,604	15	-	-	16	-	-	17	-	-	18	-	-	33	14,416	320,060	4,6	4,5
709+0,000			33	-14,908	319,941	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	324,813	9	-6,100	324,888	-5,00%	8	-	-	-	7	-3,600	325,013	-3,00%	319,973	325,121	5,147	7	3,600	325,013	-3,00%	8	-	-	-	9	6,100	324,888	-5,00%	10	7,600	324,813	15	-	-	16	-	-	17	-	-	18	-	-	33	14,768	320,034	4,9	4,8
709+2,712			33	-15,068	319,928	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	324,907	9	-6,100	324,982	-5,00%	8	-	-	-	7	-3,600	325,107	-3,00%	319,969	325,215	5,246	7	3,600	325,107	-3,00%	8	-	-	-	9	6,100	324,982	-5,00%	10	7,600	324,907	15	-	-	16	-	-	17	-	-	18	-	-	33	14,926	320,022	5,0	4,9
709+6,712			33	-15,329	319,908	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	325,061	9	-6,100	325,136	-5,00%	8	-	-	-	7	-3,600	325,261	-3,00%	319,963	325,369	5,406	7	3,600	325,261	-3,00%	8	-	-	-	9	6,100	325,136	-5,00%	10	7,600	325,061	15	-	-	16	-	-	17	-	-	18	-	-	33	15,184	320,005	5,2	5,1
709+9,379			33	-15,472	319,902	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	325,151	9	-6,100	325,226	-5,00%	8	-	-	-	7	-3,600	325,351	-3,00%	319,963	325,459	5,496	7	3,600	325,351	-3,00%	8	-	-	-	9	6,100	325,226	-5,00%	10	7,600	325,151	15	-	-	16	-	-	17	-	-	18	-	-	33	15,334	319,994	5,2	5,2
710+0,000			33	-16,119	319,899	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	325,578	9	-6,100	325,653	-5,00%	8	-	-	-	7	-3,600	325,778	-3,00%	319,971	325,886	5,915	7	3,600	325,778	-3,00%	8	-	-	-	9	6,100	325,653	-5,00%	10	7,600	325,578	15	-	-	16	-	-	17	-	-	18	-	-	33	16,042	319,950	5,7	5,6
710+2,712			33	-16,297	319,896	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	325,694	9	-6,100	325,769	-5,00%	8	-	-	-	7	-3,600	325,894	-3,00%	325,702	326,002	0,300	7	3,600	325,894	-3,00%	8	-	-	-	9	6,100	325,769	-5,00%	10	7,600	325,694	15	-	-	16	-	-	17	-	-	18	-	-	33	16,233	319,939	5,8	5,8
710+5,000		PTV	33	-16,452	319,894	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	325,795	9	-6,100	325,870	-5,00%	8	-	-	-	7	-3,600	325,995	-3,00%	319,973	326,103	6,130	7	3,600	325,995	-3,00%	8	-	-	-	9	6,100	325,870	-5,00%	10	7,600	325,795	15	-	-	16	-	-	17	-	-	18	-	-	33	16,395	319,932	5,9	5,9
710+10,000		PCV	33	-16,793	319,889	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	326,018	9	-6,100	326,093	-5,00%	8	-	-	-	7	-3,600	326,218	-3,00%	319,965	326,326	6,361	7	3,600	326,218	-3,00%	8	-	-	-	9	6,100	326,093	-5,00%	10	7,600	326,018	15	-	-	16	-	-	17	-	-	18	-	-	33	16,741	319,924	6,1	6,1
711+0,000			33	-17,444	319,883	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	326,446	9	-6,100	326,521	-5,00%	8	-	-	-	7	-3,600	326,646	-3,00%	319,946	326,754	6,808	7	3,600	326,646	-3,00%	8	-	-	-	9	6,100	326,521	-5,00%	10	7,600	326,446	15	-	-	16	-	-	17	-	-	18	-	-	33	17,398	319,914	6,6	6,5
711+2,712			33	-17,609	319,884	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	326,556	9	-6,100	326,631	-5,00%	8	-	-	-	7	-3,600	326,756	-3,00%	319,940	326,864	6,924	7	3,600	326,756	-3,00%	8	-	-	-	9	6,100	326,631	-5,00%	10	7,600	326,556	15	-	-	16	-	-	17	-	-	18	-	-	33	17,575	319,906	6,7	6,6
711+16,045			33	-18,367	319,886	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	327,064	9	-6,100	327,139	-5,00%	8	-	-	-	7	-3,600	327,264	-3,00%	319,908	327,372	7,464	7	3,600	327,264	-3,00%	8	-	-	-	9	6,100	327,139	-5,00%	10	7,600	327,064	15	-	-	16	-	-	17	-	-	18	-	-	33	18,385	319,874	7,2	7,2
712+0,000			33	-18,576	319,886	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	327,203	9	-6,100	327,278	-5,00%	8	-	-	-	7	-3,600	327,403	-3,00%	319,899	327,511	7,612	7	3,600	327,403	-3,00%	8	-	-	-	9	6,100	327,278	-5,00%	10	7,600	327,203	15	-	-	16	-	-	17	-	-	18	-	-	33	18,603	319,868	7,3	7,3
713+0,000			33	-19,583	319,839	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	327,828	9	-6,100	327,903	-5,00%	8	-	-	-	7	-3,600	328,028	-3,00%	319,842	328,136	8,294	7	3,600	328,028	-3,00%	8	-	-	-	9	6,100	327,903	-5,00%	10	7,600	327,828	15	14,905	322,957	16	-	-	17	-	-	18	-	-	33	14,905	319,814	8,0	8,0
713+18,466			33	-18,112	319,791	18	-	-	17	-	-	16	-	-	15	-18,112	321,278	10	-7,600	328,286	9	-6,100	328,361	-5,00%	8	-	-	-	7	-3,600	328,486	-3,00%	319,802	328,594	8,792	7	3,600	328,486	-3,00%	8	-	-	-	9	6,100	328,411	-3,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	319,755	8,5	8,7
714+0,000			33	-17,336	321,786	18	-	-	17	-	-	16	-	-	15	-17,336	321,829	10	-7,600	328,319	9	-6,100	328,394	-5,00%	8	-	-	-	7	-3,600	328,519	-3,00%	319,801	328,627	8,826	7	3,600	328,519	-3,00%	8	-	-	-	9	6,100	328,444	-3,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	319,754	6,5	8,7
714+4,530			33	-15,172	319,772	18	-	-	17	-	-	16	-	-	15	-15,172	323,364	10	-7,600	328,412	9	-6,100	328,487	-5,00%	8	-	-	-	7	-3,600	328,612	-3,00%	319,795	328,720	8,925	7	3,600	328,612	-3,00%	8	-	-	-	9	6,100	328,537	-3,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	319,751	8,6	8,8
714+5,000			33	-14,956	319,765	18	-	-	17	-	-	16	-	-	15	-14,956	323,517	10	-7,600	328,421	9	-6,100	328,496	-5,00%	8	-	-	-	7	-3,600	328,621	-3,00%	319,793	328,729	8,936	7	3,600	328,621	-3,00%	8	-	-	-	9	7,618	328,471	-3,75%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	7,618	319,738	8,7	8,7
714+7,895			33	-13,679	319,762	18	-	-	17	-	-	16	-	-	15	-13,679	324,424	10	-7,600	328,477	9	-6,100	328,552	-5,00%	8	-	-	-	7	-3,600	328,677	-3,00%	319,786	328,785	8,999	7	3,600	328,677	-3,00%	8	-	-	-	9	13,127	328,127	-5,36%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	13,858	319,689	8,7	8,4
715+0,000			33	-7,200	319,705	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-7,200	328,770	-3,00%	8	-	-	-	7	-3,600	328,878	-3,00%	319,756	328,986	9,230	7	3,600	328,878	-3,00%	8	9,768	328,693	-3,00%	9	11,684	328,635	-3,00%	10	13,184	328,560	15	25,184	320,560	16	29,184	320,960	17	-	-	18	-	-	33	31,163	319,641	-	8,9
715+1,623			33	-6,100	319,651	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-6,100	328,826	-3,00%	8	-	-	-	7	-3,600	328,901	-3,00%	319,749	329,009	9,260	7	3,600	328,901	-3,00%	8	9,409	328,727	-3,00%	9	11,231	328,672	-3,00%	10	12,731	328,597	15	24,731	320,597	16	28,731	320,997	17	-	-	18	-	-	33	30,727	319,667	-	8,9
715+7,285			33	-6,100	319,631	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-6,100	328,901	-3,00%	8	-	-	-	7	-3,600	328,976	-3,00%	319,725	329,084	9,359	7	3,600	328,976	-3,00%	8	8,424	328,831	-3,00%	9	9,992	328,784	-3,00%	10	11,492	328,709	15	23,492	320,709	16	27,492	321,109	17	-	-	18	-	-	33	29,545	319,741	-	9,0
715+11,132			33	-14,672	319,664	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-14,672	328,393	-5,66%	8	-	-	-	7	-3,600	329,020	-3,00%	319,708	329,128	9,420	7	3,600	329,020	-3,00%	8	7,962	328,889	-3,00%	9	9,420	328,846	-3,00%	10	10,920	328,771	15	22,920	320,771	16	26,920	321,171	17	-	-	18	-	-	33	29,099	319,718	-	9,1
716+0,000			33	-32,932	319,727	18	-	-	17	-	-	16	-30,817	321,138	15	-26,817	320,738	10	-14,817	328,738	9	-13,317	328,813	-3,00%	8	-11,102	328,879	-3,00%	7	-3,600	329,104	-3,00%	319,668	329,212	9,544	7	3,600	329,104	-3,00%	8	7,371	328,991	-3,00%	9	8,431	328,959	-3,00%	10	9,931	328,884	15	21,931	320,884	16	25,931	321,284	17	-	-	18	-	-	33	28,365	319,661	9,0	9,2
716+13,630			33	-29,651	319,725	18	-	-	17	-	-	16	-27,254	321,322	15	-23,254	320,922	10	-11,254	328,922	9	-9,754	328,997	-3,00%	8	-8,237	329,043	-3,00%	7	-3,600	329,182	-3,00%	319,567	329,290	9,723	7	3,600	329,182	-3,00%	8	7,200	329,074	-3,00%	9	7,700	329,059	-3,00%	10	9,200	328,984	15	21,200	320,984	16	25,200	321,384	17	-	-	18	-	-	33	27,983	319,529	9,2	9,5
717+0,000			33	-28,920	319,702	18	-	-	17	-	-	16	-26,429	321,362	15	-22,429	320,962	10	-10,429	328,962	9	-8,929	329,037	-3,00%	8	-7,626	329,077	-3,00%	7	-3,600	329,197	-3,00%	319,483	329,305	9,822	7	3,600	329,197	-3,00%	8	7,200	329,089	-3,00%	9	7,700	329,074	-3,00%	10	9,200	328,999	15	21,200	320,999	16	25,200	321,399	17	-	-	18	-	-	33	28,088	319,474	9,3	9,5
717+10,430			33	-28,170	319,622	18	-	-	17	-	-	16	-25,524	321,386	15	-21,524	320,986	10	-9,524	328,986	9	-8,024	329,061	-3,00%	8	-7,236	329,084	-3,00%	7	-3,600	329,193	-3,00%	319,346	329,301	9,955	7	3,600	329,193	-3,00%	8	7,200	329,085	-3,00%	9	7,700	329,070	-3,00%	10	9,200	328,995	15	21,200	320,995	16	25,200	321,395	17	-	-	18	-	-	33	28,195	319,398	9,4	9,6
717+16,938			33	-27,984	319,543	18	-	-	17	-	-	16	-25,238	321,373	15	-21,238	320,973	10	-9,238	328,973	9	-7,738	329,048	-3,00%	8	-7,201	329,064	-3,00%	7	-3,600	329,172	-3,00%	319,277	329,280	10,003	7	3,600	329,172	-3,00%	8	7,200	329,064	-3,00%	9	7,700	329,049	-3,00%	10	9,200	328,974	15	21,200	320,974	16	25,200	321,374	17	-	-	18	-	-	33	28,149	319,408	9,4	9,6
717+18,557			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,100	329,042	9	-7,700	329,042	-3,00%	8	-7,200	329,057	-3,00%	7	-3,600	329,165	-3,00%	319,295	329,273	9,979	7	3,600	329,165	-3,00%	8	7,200	329,057	-3,00%	9	7,700	329,042	-3,00%	10	8,100	329,042	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
718+0,000		PTV	33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,100	329,035	9	-7,700	329,035	-3,00%	8	-7,200	329,050	-3,00%	7	-3,600	329,158	-3,00%	319,310	329,266	9,956	7	3,600	329,158	-3,00%	8	7,200	329,050	-3,00%	9	7,700	329,035	-3,00%	10	8,100	329,035	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
718+0,176			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,100	329,034	9	-7,700	329,034	-3,00%	8	-7,200	329,049	-3,00%	7	-3,600	329,157	-3,00%	319,312	329,265	9,953	7	3,600	329,157	-3,00%	8	7,200	329,049	-3,00%	9	7,700	329,034	-3,00%	10	8,100	329,034	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
719+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,100	328,929	9	-7,700	328,929	-3,00%	8	-7,200	328,944	-3,00%	7	-3,600	329,052	-3,00%	320,412	329,160	8,748	7	3,600	329,052	-3,00%	8	7,200	328,944	-3,00%	9	7,700	328,929	-3,00%	10	8,100	328,929	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
720+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,100	328,823	9	-7,700	328,823	-3,00%	8	-7,200	328,838	-3,00%	7	-3,600	328,946	-3,00%	320,090	329,054	8,964	7	3,600	328,946	-3,00%	8	7,200	328,838	-3,00%	9	7,700	328,823	-3,00%	10	8,100	328,823	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
720+16,938			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,100	328,733	9	-7,700	328,733	-3,00%	8	-7,200	328,748	-3,00%	7	-3,600	328,856	-3,00%	319,407	328,964	9,557	7	3,600	328,856	-3,00%	8	7,200	328,748	-3,00%	9	7,700	328,748	-2,63%	10	8,100	328,733	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
720+18,557			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,100	328,725	9	-7,700	328,725	-3,00%	8	-7,200	328,740	-3,00%	7	-3,600	328,848	-3,00%	319,419	328,956	9,537	7	3,600	328,848	-3,00%	8	7,200	328,740	-3,00%	9	7,700	328,725	-3,00%	10	8,100	328,725	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
720+18,655			33	-27,585	319,459	18	-	-	17	-	-	16	-25,200	321,049	15	-21,200	320,649	10	-9,200	328,649	9	-7,700	328,724	-3,00%	8	-7,200	328,739	-3,00%	7	-3,600	328,847	-3,00%	319,418	328,955	9,537	7	3,600	328,847	-3,00%	8	7,200	328,739	-3,00%	9	7,700	328,724	-3,00%	10	9,200	328,649	15	21,200	320,649	16	25,200	321,049	17	-	-	18	-	-	33	27,675	319,399	9,2	9,3
721+0,000			33	-27,580	319,455	18	-	-	17	-	-	16	-25,200	321,042	15	-21,200	320,642	10	-9,200	328,642	9	-7,700	328,717	-3,00%	8	-7,200	328,732	-3,00%	7	-3,600	328,840	-3,00%	319,403	328,948	9,546	7	3,600	328,840	-3,00%	8	7,201	328,732	-3,00%	9	7,733	328,716	-3,00%	10	9,233	328,641	15	21,233	320,641	16	25,233	321,041	17	-	-	18	-	-	33	27,694	319,400	9,2	9,2
721+0,071			33	-27,580	319,455	18	-	-	17	-	-	16	-25,200	321,042	15	-21,200	320,642	10	-9,200	328,642	9	-7,700	328,717	-3,00%	8	-7,200	328,732	-3,00%	7	-3,600	328,840	-3,00%	319,402	328,948	9,546	7	3,600	328,840	-3,00%	8	7,201	328,732	-3,00%	9	7,735	328,716	-3,00%	10	9,235	328,641	15	21,233	320,641	16	25,233	321,040	17	-	-	18	-	-	33	27,696	319,400	9,2	9,2
722+0,000		PCV	33	-27,547	319,371	18	-	-	17	-	-	16	-25,200	320,936	15	-21,200	320,536	10	-9,200	328,536	9	-7,700	328,611	-3,00%	8	-7,200	328,626	-3,00%	7	-3,600	328,734	-3,00%	319,446	328,842	9,396	7	3,600	328,734	-3,00%	8	7,850	328,607	-3,00%	9	9,275	328,564	-3,00%	10	10,775	328,489	15	22,775	320,489	16	26,775	320,889	17	-	-	18	-	-	33	29,072	319,358	9,2	9,1
722+3,582			33	-27,473	319,400	18	-	-	17	-	-	16	-25,200	320,915	15	-21,200	320,515	10	-9,200	328,515	9	-7,700	328,590	-3,00%	8	-7,200	328,605	-3,00%	7	-3,600	328,713	-3,00%	319,420	328,821	9,401	7	3,600	328,713	-3,00%	8	8,237	328,574	-3,00%	9	9,762	328,529	-3,00%	10	11,262	328,454	15	23,262	320,454	16	27,262	320,854	17	-	-	18	-	-	33	29,550	319,328	9,1	9,1
723+0,000			33	-28,340	319,319	18	-	-	17	-	-	16	-26,203	320,743	15	-22,203	320,343	10	-10,203	328,343	9	-8,703	328,418	-3,00%	8	-7,495	328,455	-3,00%	7	-3,600	328,572	-3,00%	319,323	328,680	9,356	7	3,600	328,572	-3,00%	8	-	-	-	9	14,471	328,245	-3,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	14,471	319,165	9,0	-
723+6,078			33	-28,996	319,266	18	-	-	17	-	-	16	-26,921	320,650	15	-22,921	320,250	10	-10,921	328,250	9	-9,421	328,325	-3,00%	8	-7,962	328,369	-3,00%	7	-3,600	328,500	-3,00%	319,324	328,608	9,284	7	3,600	328,500	-3,00%	8	-	-	-	9	14,679	327,943	-5,02%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	14,679	319,214	9,0	-
723+9,919			33	-29,488	319,243	18	-	-	17	-	-	16	-27,479	320,582	15	-23,479	320,182	10	-11,479	328,182	9	-9,979	328,257	-3,00%	8	-8,423	328,304	-3,00%	7	-3,600	328,449	-3,00%	319,324	328,557	9,233	7	3,600	328,449	-3,00%	8	-	-	-	9	6,100	328,324	-5,00%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	319,204	8,9	-
723+13,819			33	-30,156	319,238	18	-	-	17	-	-	16	-28,259	320,503	15	-24,259	320,103	10	-12,259	328,103	9	-10,759	328,178	-3,00%	8	-9,057	328,229	-3,00%	7	-3,600	328,393	-3,00%	319,324	328,501	9,177	7	3,600	328,393	-3,00%	8	-	-	-	9	6,100	328,268	-5,00%	10	7,600	328,193	15	8,079	327,874	16	-	-	17	-	-	18	-	-	33	8,079	319,221	8,9	9,0
724+0,000			33	-31,712	319,231	18	-	-	17	-	-	16	-30,029	320,353	15	-26,029	319,953	10	-14,029	327,953	9	-12,529	328,028	-3,00%	8	-10,473	328,089	-3,00%	7	-3,600	328,295	-3,00%	319,301	328,403	9,102	7	3,600	328,295	-3,00%	8	-	-	-	9	6,100	328,170	-5,00%	10	7,600	328,095	15	9,991	326,501	16	-	-	17	-	-	18	-	-	33	9,991	319,285	8,7	8,8
724+9,315			33	-13,859	319,206	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-13,859	327,531	-5,82%	8	-	-	-	7	-3,600	328,128	-3,00%	319,304	328,236	8,932	7	3,600	328,128	-3,00%	8	-	-	-	9	6,100	328,003	-5,00%	10	7,600	327,928	15	13,519	323,982	16	-	-	17	-	-	18	-	-	33	13,519	319,310	-	8,6
724+12,680			33	-6,100	319,259	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-6,100	327,987	-3,00%	8	-	-	-	7	-3,600	328,062	-3,00%	319,302	328,170	8,868	7	3,600	328,062	-3,00%	8	-	-	-	9	6,100	327,937	-5,00%	10	7,600	327,862	15	14,989	322,936	16	-	-	17	-	-	18	-	-	33	14,989	319,304	-	8,6
724+18,746			33	-6,100	319,255	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-6,100	327,859	-3,00%	8	-	-	-	7	-3,600	327,934	-3,00%	319,298	328,042	8,743	7	3,600	327,934	-3,00%	8	-	-	-	9	6,100	327,809	-5,00%	10	7,600	327,734	15	17,888	320,875	16	-	-	17	-	-	18	-	-	33	17,888	319,316	-	8,4
725+0,000			33	-24,876	319,256	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	327,706	9	-6,100	327,781	-5,00%	8	-	-	-	7	-3,600	327,906	-3,00%	319,298	328,014	8,716	7	3,600	327,906	-3,00%	8	-	-	-	9	6,100	327,781	-5,00%	10	7,600	327,706	15	18,525	320,423	16	-	-	17	-	-	18	-	-	33	18,525	319,293	8,5	8,4
725+10,000			33	-24,447	319,304	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	327,469	9	-6,100	327,544	-5,00%	8	-	-	-	7	-3,600	327,669	-3,00%	319,291	327,777	8,486	7	3,600	327,669	-3,00%	8	-	-	-	9	6,100	327,544	-5,00%	10	7,600	327,469	15	-	-	16	-	-	17	-	-	18	-	-	33	24,517	319,257	8,2	8,2
726+0,000			33	-11,886	319,318	18	-	-	17	-	-	16	-	-	15	-11,886	324,611	10	-7,600	327,203	9	-6,100	327,278	-5,00%	8	-	-	-	7	-3,600	327,403	-3,00%	319,323	327,511	8,188	7	3,600	327,403	-3,00%	8	-	-	-	9	6,100	327,278	-5,00%	10	7,600	327,203	15	-	-	16	-	-	17	-	-	18	-	-	33	19,482	319,282	7,9	7,9
727+0,000			33	-18,524	319,304	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	326,587	9	-6,100	326,662	-5,00%	8	-	-	-	7	-3,600	326,787	-3,00%	319,310	326,895	7,585	7	3,600	326,787	-3,00%	8	-	-	-	9	6,100	326,662	-5,00%	10	7,600	326,587	15	-	-	16	-	-	17	-	-	18	-	-	33	18,502	319,319	7,3	7,3
728+0,000			33	-17,325	319,374	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	325,857	9	-6,100	325,932	-5,00%	8	-	-	-	7	-3,600	326,057	-3,00%	319,318	326,165	6,847	7	3,600	326,057	-3,00%	8	-	-	-	9	6,100	325,932	-5,00%	10	7,600	325,857	15	-	-	16	-	-	17	-	-	18	-	-	33	17,239	319,431	6,5	6,4
729+0,000		PTV	33	-16,119	319,335	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	325,014	9	-6,100	325,089	-5,00%	8	-	-	-	7	-3,600	325,214	-3,00%	319,445	325,322	5,877	7	3,600	325,214	-3,00%	8	-	-	-	9	6,100	325,089	-5,00%	10	7,600	325,014	15	-	-	16	-	-	17	-	-	18	-	-	33	16,085	319,357	5,7	5,7
729+8,315			33	-15,544	319,344	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	324,640	9	-6,100	324,715	-5,00%	8	-	-	-	7	-3,600	324,840	-3,00%	319,448	324,948	5,500	7	3,600	324,840	-3,00%	8	-	-	-	9	6,100	324,715	-5,00%	10	7,600	324,640	15	-	-	16	-	-	17	-	-	18	-	-	33	15,578	319,321	5,3	5,3
730+0,000			33	-14,730	319,361	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	324,114	9	-6,100	324,189	-5,00%	8	-	-	-	7	-3,600	324,314	-3,00%	319,457	324,422	4,965	7	3,600	324,314	-3,00%	8	-	-	-	9	6,100	324,189	-5,00%	10	7,600	324,114	15	-	-	16	-	-	17	-	-	18	-	-	33	14,667	319,403	4,8	4,7
730+1,042			33	-14,657	319,362	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	324,067	9	-6,100	324,142	-5,00%	8	-	-	-	7	-3,600	324,267	-3,00%	319,459	324,375	4,916	7	3,600	324,267	-3,00%	8	-	-	-	9	6,100	324,142	-5,00%	10	7,600	324,067	15	-	-	16	-	-	17	-	-	18	-	-	33	14,586	319,410	4,7	4,7
730+9,167			33	-12,272	319,350	18	-	-	17	-	-	16	-	-	15	-12,272	320,587	10	-7,600	323,702	9	-6,100	323,777	-5,00%	8	-	-	-	7	-3,600	323,902	-3,00%	319,474	324,010	4,536	7	3,600	323,902	-3,00%	8	-	-	-	9	6,100	323,777	-5,00%	10	7,600	323,702	15	11,879	320,849	16	-	-	17	-	-	18	-	-	33	11,879	319,467	4,4	4,2
731+0,000		PCV	33	-10,054	321,578	18	-	-	17	-	-	16	-	-	15	-10,054	319,319	10	-7,600	323,214	9	-6,100	323,289	-5,00%	8	-	-	-	7	-3,600	323,414	-3,00%	319,471	323,522	4,051	7	3,600	323,476	-1,30%	8	-	-	-	9	6,100	323,351	-5,00%	10	7,600	323,276	15	9,668	321,897	16	-	-	17	-	-	18	-	-	33	9,668	319,543	1,6	3,7
731+0,133			33	-10,029	319,318	18	-	-	17	-	-	16	-	-	15	-10,029	321,589	10	-7,600	323,208	9	-6,100	323,283	-5,00%	8	-	-	-	7	-3,600	323,408	-3,00%	319,470	323,516	4,046	7	3,600	323,470	-1,28%	8	-	-	-	9	6,100	323,345	-5,00%	10	7,600	323,270	15	9,643	321,908	16	-	-	17	-	-	18	-	-	33	9,643	319,527	3,9	3,7
731+7,372			33	-8,750	319,327	18	-	-	17	-	-	16	-	-	15	-8,750	322,124	10	-7,600	322,890	9	-6,100	322,965	-5,00%	8	-	-	-	7	-3,600	323,090	-3,00%	319,439	323,198	3,759	7	3,600	323,193	-0,14%	8	-	-	-	9	6,100	323,068	-5,00%	10	7,600	322,993	15	8,372	322,478	16	-	-	17	-	-	18	-	-	33	8,372	319,547	3,6	3,4
731+8,258			33	-10,943	319,345	18	-	-	17	-	-	16	-	-	15	-10,943	320,624	10	-7,600	322,852	9	-6,100	322,927	-5,00%	8	-	-	-	7	-3,600	323,052	-3,00%	319,436	323,160	3,725	7	3,600	323,160	0,00%	8	-	-	-	9	6,100	323,035	-5,00%	10	7,600	322,960	15	8,230	322,540	16	-	-	17	-	-	18	-	-	33	8,230	319,545	3,5	3,4
731+9,432			33	-8,086	319,326	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	322,802	9	-6,100	322,877	-5,00%	8	-	-	-	7	-3,600	323,002	-3,00%	319,431	323,110	3,680	7	3,600	323,117	0,18%	8	-	-	-	9	6,100	322,992	-5,00%	10	7,600	322,917	15	-	-	16	-	-	17	-	-	18	-	-	33	8,086	319,543	3,5	3,4
731+14,133			33	-6,100	319,371	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-6,100	322,731	-3,00%	8	-	-	-	7	-3,600	322,806	-3,00%	319,411	322,914	3,503	7	3,600	322,948	0,94%	8	-	-	-	9	6,100	322,971	0,92%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	319,505	3,4	3,5
731+17,592	PC		33	-6,101	319,403	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-6,101	322,591	-3,00%	8	-	-	-	7	-3,600	322,666	-3,00%	319,411	322,774	3,363	7	3,600	322,827	1,47%	8	-	-	-	9	6,100	322,863	1,47%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	319,499	3,2	3,4
731+18,129			33	-6,101	319,409	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-6,101	322,569	-3,00%	8	-	-	-	7	-3,600	322,644	-3,00%	319,415	322,752	3,337	7	3,600	322,808	1,56%	8	-	-	-	9	6,100	322,847	1,56%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	319,498	-	3,3
732+0,000			33	-14,410	319,432	18	-	-	17	-	-	16	-	-	15	-	-	10	-	-	9	-14,410	322,068	-4,65%	8	-	-	-	7	-3,600	322,570	-3,00%	319,431	322,678	3,247	7	3,600	322,745	1,85%	8	-	-	-	9	6,100	322,791	1,85%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	319,494	-	3,3
732+0,448			33	-21,750	319,474	18	-	-	17	-	-	16	-	-	15	-	-	10	-17,816	322,096	9	-16,316	322,171	-3,00%	8	-13,737	322,249	-3,00%	7	-3,600	322,553	-3,00%	319,435	322,661	3,226	7	3,600	322,730	1,92%	8	-	-	-	9	6,100	322,777	1,88%	10	-	-	15	-	-	16	-	-	17	-	-	18	-	-	33	6,100	319,493	2,6	-
732+7,349			33	-19,763	319,503	18	-	-	17	-	-	16	-	-	15	-	-	10	-16,198	321,880	9	-14,698	321,955	-3,00%	8	-12,140	322,032	-3,00%	7	-3,600	322,288	-3,00%	319,492	322,396	2,904	7	3,600	322,504	3,00%	8	11,695	322,747	-3,00%	9	14,250	322,185	-3,00%	10	15,750	322,110	15	-	-	16	-	-	17	-	-	18	-	-	33	19,590	319,549	2,4	2,6
733+0,000			33	-16,890	319,501	18	-	-	17	-	-	16	-	-	15	-	-	10	-13,892	321,499	9	-12,392	321,574	-3,00%	8	-9,865	321,650	-3,00%	7	-3,600	321,838	-3,00%	319,579	321,946	2,367	7	3,600	322,054	3,00%	8	9,539	321,995	-1,00%	9	11,825	321,972	-1,00%	10	13,325	321,897	15	-	-	16	-	-	17	-	-	18	-	-	33	16,873	319,531	2,0	2,4
734+0,000			33	-13,714	319,460	18	-	-	17	-	-	16	-	-	15	-	-	10	-11,478	320,951	9	-9,978	321,026	-3,00%	8	-7,858	321,090	-3,00%	7	-3,600	321,217	-3,00%	319,626	321,325	1,699	7	3,600	321,433	3,00%	8	7,746	321,433	0,00%	9	9,571	321,433	0,00%	10	11,071	321,358	15	-	-	16	-	-	17	-	-	18	-	-	33	13,776	319,555	1,5	1,8
734+10,000			33	-12,708	319,438	18	-	-	17	-	-	16	-	-	15	-	-	10	-10,812	320,702	9	-9,312	320,777	-3,00%	8	-7,414	320,834	-3,00%	7	-3,600	320,949	-3,00%	319,605	321,057	1,451	7	3,600	321,165	3,00%	8	7,374	321,278	3,00%	9	8,974	321,326	3,00%	10	10,474	321,251	15	-	-	16	-	-	17	-	-	18	-	-	33	13,060	319,527	1,3	1,7
735+0,000			33	-12,047	319,405	18	-	-	17	-	-	16	-	-	15	-	-	10	-10,445	320,473	9	-8,945	320,548	-3,00%	8	-7,220	320,600	-3,00%	7	-3,600	320,708	-3,00%	319,565	320,816	1,251	7	3,600	320,924	3,00%	8	7,224	321,033	3,00%	9	8,576	321,074	3,00%	10	10,076	320,999	15	-	-	16	-	-	17	-	-	18	-	-	33	12,368	319,471	1,1	1,5
735+8,027			33	-11,606	319,378	18	-	-	17	-	-	16	-	-	15	-	-	10	-10,213	320,307	9	-8,713	320,382	-3,00%	8	-7,182	320,428	-3,00%	7	-3,600	320,535	-3,00%	319,507	320,643	1,136	7	3,600	320,751	3,00%	8	7,200	320,859	3,00%	9	8,400	320,895	3,00%	10	9,900	320,820	15	-	-	16	-	-	17	-	-	18	-	-	33	11,989	319,428	0,9	1,4
736+0,000			33	-11,061	319,349	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,948	320,091	9	-8,448	320,166	-3,00%	8	-7,210	320,203	-3,00%	7	-3,600	320,311	-3,00%	319,423	320,419	0,996	7	3,600	320,527	3,00%	8	7,200	320,635	3,00%	9	8,400	320,671	3,00%	10	9,900	320,596	15	-	-	16	-	-	17	-	-	18	-	-	33	11,733	319,374	0,7	1,2
736+2,841			33	-10,949	319,345	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,900	320,045	9	-8,400	320,120	-3,00%	8	-7,200	320,156	-3,00%	7	-3,600	320,264	-3,00%	319,404	320,372	0,968	7	3,600	320,480	3,00%	8	7,200	320,588	3,00%	9	8,400	320,624	3,00%	10	9,900	320,549	15	-	-	16	-	-	17	-	-	18	-	-	33	11,689	319,356	0,7	1,2
736+12,854			33	-10,746	319,332	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,900	319,896	9	-8,400	319,971	-3,00%	8	-7,200	320,007	-3,00%	7	-3,600	320,115	-3,00%	319,340	320,223	0,883	7	3,600	320,331	3,00%	8	7,200	320,439	3,00%	9	8,400	320,475	3,00%	10	9,900	320,400	15	-	-	16	-	-	17	-	-	18	-	-	33	11,473	319,351	0,6	1,0
736+18,029			33	-10,404	319,325	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,636	319,838	9	-8,136	319,913	-3,00%	8	-6,934	319,949	-3,00%	7	-3,600	320,049	-3,00%	319,318	320,157	0,839	7	3,600	320,265	3,00%	8	7,200	320,373	3,00%	9	8,400	320,409	3,00%	10	9,900	320,334	15	-	-	16	-	-	17	-	-	18	-	-	33	11,370	319,353	0,5	1,0
737+0,000			33	-10,277	319,322	18	-	-	17	-	-	16	-	-	15	-	-	10	-9,534	319,817	9	-8,034	319,892	-3,00%	8	-6,833	319,928	-3,00%	7	-3,600	320,025	-3,00%	319,319	320,133	0,815	7	3,600	320,241	3,00%	8	7,099	320,346	3,00%	9	8,300	320,382	3,00%	10	9,800	320,307	15	-	-	16	-	-	17	-	-	18	-	-	33	11,230	319,354	0,5	1,0
738+0,000		PTV	33	-9,148	319,246	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,506	319,674	9	-7,006	319,749	-3,00%	8	-5,804	319,785	-3,00%	7	-3,600	319,852	-3,00%	319,285	319,960	0,674	7	3,600	320,068	3,00%	8	6,070	320,142	3,00%	9	7,272	320,178	3,00%	10	8,772	320,103	15	-	-	16	-	-	17	-	-	18	-	-	33	9,923	319,335	0,4	0,8
738+5,000		PCV	33	-8,923	319,203	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,248	319,653	9	-6,748	319,728	-3,00%	8	-5,547	319,764	-3,00%	7	-3,600	319,822	-3,00%	319,227	319,930	0,703	7	3,600	320,038	3,00%	8	5,813	320,104	3,00%	9	7,015	320,140	3,00%	10	8,515	320,065	15	-	-	16	-	-	17	-	-	18	-	-	33	9,629	319,322	0,4	0,7
739+0,000			33	-8,374	319,059	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	319,575	9	-6,100	319,650	-3,00%	8	-4,775	319,690	-3,00%	7	-3,600	319,725	-3,00%	319,094	319,833	0,740	7	3,600	319,941	3,00%	8	5,041	319,985	3,00%	9	6,243	320,021	3,00%	10	7,743	319,946	15	-	-	16	-	-	17	-	-	18	-	-	33	8,892	319,180	0,5	0,8
740+0,000			33	-8,326	318,938	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	319,422	9	-6,100	319,497	-3,00%	8	-3,747	319,567	-3,00%	7	-3,600	319,572	-3,00%	319,071	319,680	0,609	7	3,600	319,788	3,00%	8	4,013	319,800	3,00%	9	6,100	319,863	3,00%	10	7,600	319,788	15	-	-	16	-	-	17	-	-	18	-	-	33	8,642	319,093	0,5	0,7
740+2,854			33	-9,407	318,893	18	-	-	17	-	-	16	-	-	15	-	-	10	-8,700	319,364	9	-7,200	319,439	-3,00%	8	-7,200	319,439	-3,00%	7	-3,600	319,547	-3,00%	319,048	319,655	0,607	7	3,600	319,763	3,00%	8	3,866	319,771	3,00%	9	6,100	319,838	3,00%	10	7,600	319,763	15	-	-	16	-	-	17	-	-	18	-	-	33	8,644	319,067	0,5	0,7
740+8,029			33	-8,261	318,861	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	319,302	9	-6,100	319,377	-5,00%	8	-	-	-	7	-3,600	319,502	-3,00%	319,006	319,610	0,604	7	3,600	319,718	3,00%	8	3,600	319,718	3,00%	9	6,100	319,793	3,00%	10	7,600	319,718	15	-	-	16	-	-	17	-	-	18	-	-	33	8,681	318,997	0,4	0,7
741+0,000			33	-8,179	318,803	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	319,189	9	-6,100	319,264	-5,00%	8	-	-	-	7	-3,600	319,389	-3,00%	318,908	319,497	0,589	7	3,600	319,605	3,00%	8	-	-	-	9	6,100	319,505	-4,00%	10	7,600	319,430	15	-	-	16	-	-	17	-	-	18	-	-	33	8,395	318,900	0,4	0,5
742+0,000			33	-7,982	318,723	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	318,978	9	-6,100	319,053	-5,00%	8	-	-	-	7	-3,600	319,178	-3,00%	318,739	319,286	0,547	7	3,600	319,394	3,00%	8	-	-	-	9	6,100	319,294	-4,00%	10	7,600	319,219	15	-	-	16	-	-	17	-	-	18	-	-	33	8,283	318,763	0,3	0,5
742+5,000			33	-7,992	318,659	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	318,921	9	-6,100	318,996	-5,00%	8	-	-	-	7	-3,600	319,121	-3,00%	318,714	319,229	0,515	7	3,600	319,337	3,00%	8	-	-	-	9	6,100	319,237	-4,00%	10	7,600	319,162	15	-	-	16	-	-	17	-	-	18	-	-	33	8,252	318,727	0,3	0,4
743+0,000			33	-8,004	318,469	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	318,738	9	-6,100	318,813	-5,00%	8	-	-	-	7	-3,600	318,938	-3,00%	318,614	319,046	0,433	7	3,600	319,154	3,00%	8	-	-	-	9	6,100	319,054	-4,00%	10	7,600	318,979	15	-	-	16	-	-	17	-	-	18	-	-	33	8,140	318,619	0,3	0,4
744+0,000			33	-7,960	318,230	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	318,470	9	-6,100	318,545	-5,00%	8	-	-	-	7	-3,600	318,670	-3,00%	318,368	318,778	0,410	7	3,600	318,886	3,00%	8	-	-	-	9	6,100	318,786	-4,00%	10	7,600	318,711	15	-	-	16	-	-	17	-	-	18	-	-	33	8,010	318,437	0,2	0,3
745+0,000			33	-7,845	318,009	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	318,173	9	-6,100	318,248	-5,00%	8	-	-	-	7	-3,600	318,373	-3,00%	318,135	318,481	0,346	7	3,600	318,589	3,00%	8	-	-	-	9	6,100	318,489	-4,00%	10	7,600	318,414	15	-	-	16	-	-	17	-	-	18	-	-	33	7,913	318,205	0,2	0,2

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA – Talude			Fim da Segunda Berma			Inicio da Segunda Berma			Fim da Primeira Berma			Inicio da Primeira Berma / Encontro de Talude			Fundo canaleta / Barreira			Acostamento / Faixa de Segurança / Concordância de Pista				Faixa de Aceleração ou Desaceleração				Bordo da pista				COTAS DE EIXO – Terreno Natural	Projeto	Cota vermelha	LADO DIREITO – PLATAFORMA ACABADA – Bordo da pista				Faixa de Aceleração ou Desaceleração				Acostamento / Faixa de Segurança / Concordância de Pista				Fundo canaleta / Barreira			Inicio da Primeira Berma / Encontro de Talude			Fim da Primeira Berma			Inicio da Segunda Berma			Fim da Segunda Berma			Talude			ALTURAS DOS TALUDES – LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota		
746+0,000			33	-7,900	317,847	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	317,547	9	-6,100	317,922	-5,00%	8	-	-	-	7	-3,600	318,047	-3,00%	317,823	318,155	0,332	7	3,600	318,263	3,00%	8	-	-	-	9	6,100	318,163	-4,00%	10	7,600	318,088	15	-	-	16	-	-	17	-	-	18	-	-	33	7,852	317,920	-0,3	0,2
746+5,000		PTV	33	-7,925	317,786	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	317,761	9	-6,100	317,836	-5,00%	8	-	-	-	7	-3,600	317,961	-3,00%	317,734	318,069	0,335	7	3,600	318,177	3,00%	8	-	-	-	9	6,100	318,077	-4,00%	10	7,600	318,002	15	-	-	16	-	-	17	-	-	18	-	-	33	7,827	317,851	0,0	0,2
747+0,000			33	-8,005	317,605	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	317,201	9	-6,100	317,576	-5,00%	8	-	-	-	7	-3,600	317,701	-3,00%	317,510	317,809	0,299	7	3,600	317,917	3,00%	8	-	-	-	9	6,100	317,817	-4,00%	10	7,600	317,742	15	-	-	16	-	-	17	-	-	18	-	-	33	7,734	317,653	-0,4	0,1
748+0,000			33	-8,102	317,356	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	316,854	9	-6,100	317,229	-5,00%	8	-	-	-	7	-3,600	317,354	-3,00%	317,376	317,462	0,085	7	3,600	317,570	3,00%	8	-	-	-	9	6,100	317,470	-4,00%	10	7,600	317,095	15	-	-	16	-	-	17	-	-	18	-	-	33	7,938	317,433	-0,5	-0,3
749+0,000			33	-8,094	317,001	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	316,507	9	-6,100	316,882	-5,00%	8	-	-	-	7	-3,600	317,007	-3,00%	317,117	317,115	-0,003	7	3,600	317,223	3,00%	8	-	-	-	9	6,100	317,123	-4,00%	10	7,600	317,048	15	-	-	16	-	-	17	-	-	18	-	-	33	7,665	317,004	-0,5	0,0
750+0,000			33	-8,168	316,727	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	316,159	9	-6,100	316,534	-5,00%	8	-	-	-	7	-3,600	316,659	-3,00%	316,824	316,767	-0,057	7	3,600	316,875	3,00%	8	-	-	-	9	6,100	316,775	-4,00%	10	7,600	316,400	15	-	-	16	-	-	17	-	-	18	-	-	33	7,969	316,769	-0,6	-0,4
751+0,000			33	-8,224	316,437	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	315,812	9	-6,100	316,187	-5,00%	8	-	-	-	7	-3,600	316,312	-3,00%	316,414	316,420	0,007	7	3,600	316,528	3,00%	8	-	-	-	9	6,100	316,428	-4,00%	10	7,600	316,053	15	-	-	16	-	-	17	-	-	18	-	-	33	8,024	316,477	-0,6	-0,4
751+17,770			33	-8,172	316,076	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	315,504	9	-6,100	315,879	-5,00%	8	-	-	-	7	-3,600	316,004	-3,00%	316,159	316,112	-0,047	7	3,600	316,220	3,00%	8	-	-	-	9	6,100	316,120	-4,00%	10	7,600	316,045	15	-	-	16	-	-	17	-	-	18	-	-	33	7,630	316,025	-0,6	0,0
752+0,000			33	-8,165	316,030	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	315,465	9	-6,100	315,840	-5,00%	8	-	-	-	7	-3,600	315,965	-3,00%	316,123	316,073	-0,050	7	3,600	316,181	3,00%	8	-	-	-	9	6,100	316,081	-4,00%	10	7,600	316,006	15	-	-	16	-	-	17	-	-	18	-	-	33	7,668	315,961	-0,6	0,0
753+0,000			33	-8,106	315,624	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	315,118	9	-6,100	315,493	-5,00%	8	-	-	-	7	-3,600	315,618	-3,00%	315,758	315,726	-0,032	7	3,600	315,834	3,00%	8	-	-	-	9	6,100	315,734	-4,00%	10	7,600	315,659	15	-	-	16	-	-	17	-	-	18	-	-	33	7,691	315,598	-0,5	0,1
754+0,000			33	-8,079	315,250	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	314,771	9	-6,100	315,146	-5,00%	8	-	-	-	7	-3,600	315,271	-3,00%	315,280	315,379	0,099	7	3,600	315,487	3,00%	8	-	-	-	9	6,100	315,387	-4,00%	10	7,600	315,312	15	-	-	16	-	-	17	-	-	18	-	-	33	7,918	315,330	-0,5	0,0
755+0,000			33	-8,133	314,957	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	314,424	9	-6,100	314,799	-5,00%	8	-	-	-	7	-3,600	314,924	-3,00%	315,111	315,032	-0,079	7	3,600	315,140	3,00%	8	-	-	-	9	6,100	315,040	-4,00%	10	7,600	314,665	15	-	-	16	-	-	17	-	-	18	-	-	33	8,051	315,116	-0,5	-0,5
756+0,000			33	-8,067	314,544	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	314,077	9	-6,100	314,452	-5,00%	8	-	-	-	7	-3,600	314,577	-3,00%	314,710	314,685	-0,025	7	3,600	314,793	3,00%	8	-	-	-	9	6,100	314,693	-4,00%	10	7,600	314,318	15	-	-	16	-	-	17	-	-	18	-	-	33	7,995	314,713	-0,5	-0,4
757+0,000			33	-7,946	314,076	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	313,729	9	-6,100	314,104	-5,00%	8	-	-	-	7	-3,600	314,229	-3,00%	314,144	314,337	0,194	7	3,600	314,445	3,00%	8	-	-	-	9	6,100	314,345	-4,00%	10	7,600	314,270	15	-	-	16	-	-	17	-	-	18	-	-	33	7,663	314,228	-0,3	0,0
758+0,000			33	-7,625	313,665	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	313,682	9	-6,100	313,757	-5,00%	8	-	-	-	7	-3,600	313,882	-3,00%	313,625	313,990	0,366	7	3,600	314,098	3,00%	8	-	-	-	9	6,100	313,998	-4,00%	10	7,600	313,923	15	-	-	16	-	-	17	-	-	18	-	-	33	7,860	313,750	0,0	0,2
759+0,000			33	-7,765	313,225	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	313,335	9	-6,100	313,410	-5,00%	8	-	-	-	7	-3,600	313,535	-3,00%	313,318	313,643	0,326	7	3,600	313,751	3,00%	8	-	-	-	9	6,100	313,651	-4,00%	10	7,600	313,576	15	-	-	16	-	-	17	-	-	18	-	-	33	8,004	313,307	0,1	0,3
760+0,000			33	-7,956	312,751	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,988	9	-6,100	313,063	-5,00%	8	-	-	-	7	-3,600	313,188	-3,00%	312,820	313,296	0,476	7	3,600	313,404	3,00%	8	-	-	-	9	6,100	313,304	-4,00%	10	7,600	313,229	15	-	-	16	-	-	17	-	-	18	-	-	33	8,147	312,864	0,2	0,4
761+0,000			33	-8,074	312,325	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,641	9	-6,100	312,716	-5,00%	8	-	-	-	7	-3,600	312,841	-3,00%	312,452	312,949	0,497	7	3,600	313,057	3,00%	8	-	-	-	9	6,100	312,957	-4,00%	10	7,600	312,882	15	-	-	16	-	-	17	-	-	18	-	-	33	8,188	312,490	0,3	0,4
762+0,000			33	-8,200	311,894	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,294	9	-6,100	312,369	-5,00%	8	-	-	-	7	-3,600	312,494	-3,00%	312,107	312,602	0,495	7	3,600	312,710	3,00%	8	-	-	-	9	6,100	312,610	-4,00%	10	7,600	312,535	15	-	-	16	-	-	17	-	-	18	-	-	33	8,418	311,990	0,4	0,5
762+15,000		PCV	33	-8,324	311,551	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,033	9	-6,100	312,108	-5,00%	8	-	-	-	7	-3,600	312,233	-3,00%	311,862	312,341	0,480	7	3,600	312,449	3,00%	8	-	-	-	9	6,100	312,349	-4,00%	10	7,600	312,274	15	-	-	16	-	-	17	-	-	18	-	-	33	8,518	311,663	0,5	0,6
763+0,000			33	-8,350	311,450	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,950	9	-6,100	312,025	-5,00%	8	-	-	-	7	-3,600	312,150	-3,00%	311,712	312,258	0,546	7	3,600	312,366	3,00%	8	-	-	-	9	6,100	312,266	-4,00%	10	7,600	312,191	15	-	-	16	-	-	17	-	-	18	-	-	33	8,580	311,537	0,5	0,7
764+0,000			33	-8,551	311,050	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,684	9	-6,100	311,759	-5,00%	8	-	-	-	7	-3,600	311,884	-3,00%	311,041	311,992	0,951	7	3,600	312,100	3,00%	8	-	-	-	9	6,100	312,000	-4,00%	10	7,600	311,925	15	-	-	16	-	-	17	-	-	18	-	-	33	8,918	311,046	0,6	0,9
765+0,000			33	-9,036	310,569	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,526	9	-6,100	311,601	-5,00%	8	-	-	-	7	-3,600	311,726	-3,00%	310,609	311,834	1,226	7	3,600	311,942	3,00%	8	-	-	-	9	6,100	311,842	-4,00%	10	7,600	311,767	15	-	-	16	-	-	17	-	-	18	-	-	33	9,346	310,604	1,0	1,2
766+0,000			33	-9,665	310,101	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,477	9	-6,100	311,552	-5,00%	8	-	-	-	7	-3,600	311,677	-3,00%	310,312	311,785	1,473	7	3,600	311,893	3,00%	8	-	-	-	9	6,100	311,793	-4,00%	10	7,600	311,718	15	-	-	16	-	-	17	-	-	18	-	-	33	9,822	310,237	1,4	1,5
766+5,000			33	-9,772	310,034	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,482	9	-6,100	311,557	-5,00%	8	-	-	-	7	-3,600	311,682	-3,00%	310,186	311,790	1,604	7	3,600	311,898	3,00%	8	-	-	-	9	6,100	311,798	-4,00%	10	7,600	311,723	15	-	-	16	-	-	17	-	-	18	-	-	33	9,979	310,137	1,4	1,6
767+0,000			33	-10,191	309,809	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,536	9	-6,100	311,611	-5,00%	8	-	-	-	7	-3,600	311,736	-3,00%	309,843	311,844	2,002	7	3,600	311,952	3,00%	8	-	-	-	9	6,100	311,852	-4,00%	10	7,600	311,777	15	-	-	16	-	-	17	-	-	18	-	-	33	10,489	309,851	1,7	1,9
768+0,000			33	-11,062	309,396	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,703	9	-6,100	311,778	-5,00%	8	-	-	-	7	-3,600	311,903	-3,00%	309,521	312,011	2,491	7	3,600	312,119	3,00%	8	-	-	-	9	6,100	312,019	-4,00%	10	7,600	311,944	15	-	-	16	-	-	17	-	-	18	-	-	33	11,353	309,442	2,3	2,5
769+0,000			33	-12,019	309,033	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,979	9	-6,100	312,054	-5,00%	8	-	-	-	7	-3,600	312,179	-3,00%	309,058	312,287	3,229	7	3,600	312,395	3,00%	8	-	-	-	9	6,100	312,295	-4,00%	10	7,600	312,220	15	-	-	16	-	-	17	-	-	18	-	-	33	12,371	309,039	2,9	3,2
769+15,000		PTV	33	-12,783	308,801	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,257	9	-6,100	312,332	-5,00%	8	-	-	-	7	-3,600	312,457	-3,00%	308,703	312,565	3,861	7	3,600	312,673	3,00%	8	-	-	-	9	6,100	312,573	-4,00%	10	7,600	312,498	15	-	-	16	-	-	17	-	-	18	-	-	33	13,340	308,671	3,5	3,8
770+0,000			33	-13,062	308,718	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,359	9	-6,100	312,434	-5,00%	8	-	-	-	7	-3,600	312,559	-3,00%	308,590	312,667	4,077	7	3,600	312,775	3,00%	8	-	-	-	9	6,100	312,675	-4,00%	10	7,600	312,600	15	-	-	16	-	-	17	-	-	18	-	-	33	13,648	308,568	3,6	4,0
770+5,000		PCV	33	-13,373	308,614	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,462	9	-6,100	312,537	-5,00%	8	-	-	-	7	-3,600	312,662	-3,00%	308,480	312,770	4,290	7	3,600	312,878	3,00%	8	-	-	-	9	6,100	312,778	-4,00%	10	7,600	312,703	15	-	-	16	-	-	17	-	-	18	-	-	33	13,940	308,476	3,8	4,2
771+0,000			33	-14,312	308,267	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,742	9	-6,100	312,817	-5,00%	8	-	-	-	7	-3,600	312,942	-3,00%	308,218	313,050	4,831	7	3,600	313,158	3,00%	8	-	-	-	9	6,100	313,058	-4,00%	10	7,600	312,983	15	-	-	16	-	-	17	-	-	18	-	-	33	14,872	308,135	4,5	4,8
771+0,067			33	-14,316	308,265	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,743	9	-6,100	312,818	-5,00%	8	-	-	-	7	-3,600	312,943	-3,00%	308,218	313,051	4,833	7	3,600	313,159	3,00%	8	-	-	-	9	6,100	313,059	-4,00%	10	7,600	312,984	15	-	-	16	-	-	17	-	-	18	-	-	33	14,876	308,133	4,5	4,9
771+5,158			33	-14,618	308,146	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,824	9	-6,100	312,899	-5,00%	8	-	-	-	7	-3,600	313,024	-3,00%	308,210	313,132	4,922	7	3,600	313,240	3,00%	8	-	-	-	9	6,100	313,140	-4,00%	10	7,600	313,065	15	-	-	16	-	-	17	-	-	18	-	-	33	15,170	308,019	4,7	5,0
771+6,431			33	-14,691	308,116	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,844	9	-6,100	312,919	-5,00%	8	-	-	-	7	-3,600	313,044	-3,00%	308,208	313,152	4,944	7	3,600	313,260	3,00%	8	-	-	-	9	6,100	313,160	-4,00%	10	7,600	313,085	15	-	-	16	-	-	17	-	-	18	-	-	33	15,226	308,000	4,7	5,1
771+17,949			33	-15,327	307,848	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	313,000	9	-6,100	313,075	-5,00%	8	-	-	-	7	-3,600	313,200	-3,00%	308,153	313,308	5,154	7	3,600	313,361	1,47%	8	-	-	-	9	6,100	313,236	-5,00%	10	7,600	313,161	15	-	-	16	-	-	17	-	-	18	-	-	33	15,622	307,812	5,2	5,3
771+19,158	PT		33	-15,388	307,822	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	313,014	9	-6,100	313,089	-5,00%	8	-	-	-	7	-3,600	313,214	-3,00%	308,116	313,322	5,206	7	3,600	313,368	1,28%	8	-	-	-	9	6,100	313,243	-5,00%	10	7,600	313,168	15	-	-	16	-	-	17	-	-	18	-	-	33	15,675	307,785	5,2	5,4
772+0,000			33	-15,430	307,804	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	313,024	9	-6,100	313,099	-5,00%	8	-	-	-	7	-3,600	313,224	-3,00%	308,090	313,332	5,242	7	3,600	313,373	1,14%	8	-	-	-	9	6,100	313,248	-5,00%	10	7,600	313,173	15	-	-	16	-	-	17	-	-	18	-	-	33	15,712	307,765	5,2	5,4
772+15,000			33	-16,128	307,483	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	313,169	9	-6,100	313,244	-5,00%	8	-	-	-	7	-3,600	313,369	-3,00%	307,624	313,477	5,852	7	3,600	313,433	-1,21%	8	-	-	-	9	6,100	313,308	-5,00%	10	7,600	313,233	15	-	-	16	-	-	17	-	-	18	-	-	33	16,316	307,422	5,7	5,8
772+18,249			33	-16,268	307,414	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	313,192	9	-6,100	313,267	-5,00%	8	-	-	-	7	-3,600	313,392	-3,00%	307,540	313,500	5,960	7	3,600	313,438	-1,72%	8	-	-	-	9	6,100	313,313	-5,00%	10	7,600	313,238	15	-	-	16	-	-	17	-	-	18	-	-	33	16,435	307,348	5,8	5,9
773+0,000			33	-16,342	307,376	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	313,204	9	-6,100	313,279	-5,00%	8	-	-	-	7	-3,600	313,404	-3,00%	307,505	313,512	6,007	7	3,600	313,440	-2,00%	8	-	-	-	9	6,100	313,315	-5,00%	10	7,600	313,240	15	-	-	16	-	-	17	-	-	18	-	-	33	16,498	307,308	5,8	5,9
773+10,976			33	-16,775	307,142	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	313,259	9	-6,100	313,334	-5,00%	8	-	-	-	7	-3,600	313,459	-3,00%	307,285	313,567	6,282	7	3,600	313,459	-3,00%	8	-	-	-	9	6,100	313,334	-5,00%	10	7,600	313,259	15	-	-	16	-	-	17	-	-	18	-	-	33	16,803	307,123	6,1	6,1
774+0,000			33	-17,090	306,955	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	313,281	9	-6,100	313,356	-5,00%	8	-	-	-	7	-3,600	313,481	-3,00%	307,100	313,589	6,489	7	3,600	313,481	-3,00%	8	-	-	-	9	6,100	313,356	-5,00%	10	7,600	313,281	15	-	-	16	-	-	17	-	-	18	-	-	33	17,035	306,991	6,3	6,3
775+0,000			33	-17,686	306,531	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	313,255	9	-6,100	313,330	-5,00%	8	-	-	-	7	-3,600	313,455	-3,00%	306,689	313,563	6,874	7	3,600	313,455	-3,00%	8	-	-	-	9	6,100	313,330	-5,00%	10	7,600	313,255	15	-	-	16	-	-	17	-	-	18	-	-	33	17,438	306,697	6,7	6,6
775+5,000		PTV	33	-17,763	306,458	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	313,233	9	-6,100	313,308	-5,00%	8	-	-	-	7	-3,600	313,433	-3,00%	306,614	313,541	6,927	7	3,600	313,433	-3,00%	8	-	-	-	9	6,100	313,308	-5,00%	10	7,600	313,233	15	-	-	16	-	-	17	-	-	18	-	-	33	17,516	306,622	6,8	6,6
776+0,000			33	-17,924	306,273	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	313,156	9	-6,100	313,231	-5,00%	8	-	-	-	7	-3,600	313,356	-3,00%	306,384	313,464	7,080	7	3,600	313,356	-3,00%	8	-	-	-	9	6,100	313,231	-5,00%	10	7,600	313,156	15	-	-	16	-	-	17	-	-	18	-	-	33	17,735	306,399	6,9	6,8
776+15,205			33	-18,425	305,861	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	313,078	9	-6,100	313,153	-5,00%	8	-	-	-	7	-3,600	313,278	-3,00%	306,142	313,386	7,244	7	3,600	313,278	-3,00%	8	-	-	-	9	6,100	313,153	-5,00%	10	7,600	313,078	15	-	-	16	-	-	17	-	-	18	-	-	33	17,958	306,173	7,2	6,9
776+17,338			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-6,500	313,142	9	-6,100	313,142	-5,00%	8	-	-	-	7	-3,600	313,267	-3,00%	306,091	313,375	7,284	7	3,600	313,267	-3,00%	8	-	-	-	9	6,100	313,142	-5,00%	10	6,500	313,142	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
776+19,471			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-6,500	313,131	9	-6,100	313,131	-5,00%	8	-	-	-	7	-3,600	313,256	-3,00%	305,924	313,364	7,440	7	3,600	313,256	-3,00%	8	-	-	-	9	6,100	313,131	-5,00%	10	6,500	313,131	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
777+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-6,500	313,128	9	-6,100	313,128	-5,00%	8	-	-	-	7	-3,600	313,253	-3,00%	305,889	313,361	7,473	7	3,600	313,253	-3,00%	8	-	-	-	9	6,100	313,128	-5,00%	10	6,500	313,128	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
778+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-6,500	313,026	9	-6,100	313,026	-5,00%	8	-	-	-	7	-3,600	313,151	-3,00%	305,469	313,259	7,790	7	3,600	313,151	-3,00%	8	-	-	-	9	6,100	313,026	-5,00%	10	6,500	313,026	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
778+5,205			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-6,500	312,999	9	-6,100	312,999	-5,00%	8	-	-	-	7	-3,600	313,124	-3,00%	305,421	313,232	7,811	7	3,600	313,124	-3,00%	8	-	-	-	9	6,100	312,999	-5,00%	10	6,500	312,999	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
778+7,338			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-6,500	312,988	9	-6,100	312,988	-5,00%	8	-	-	-	7	-3,600	313,113	-3,00%	305,485	313,221	7,736	7	3,600	313,113	-3,00%	8	-	-	-	9	6,100	312,988	-5,00%	10	6,500	312,988	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
778+9,471			33	-18,521	305,622	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	321,902	9	-6,100	312,977	-5,00%	8	-	-	-	7	-3,600	313,102	-3,00%	305,554	313,210	7,656	7	3,600	313,102	-3,00%	8	-	-	-	9	6,100	312,977	-5,00%	10	7,600	312,902	15	-	-	16	-	-	17	-	-	18	-	-	33	19,136	305,212	16,3	7,7
779+0,000			33	-18,803	305,380	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,848	9	-6,100	312,923	-5,00%	8	-	-	-	7	-3,600	313,048	-3,00%	305,554	313,156	7,602	7	3,600	313,048	-3,00%	8	-	-	-	9	6,100	312,923	-5,00%	10	7,600	312,848	15	-	-	16	-	-	17	-	-	18	-	-	33	18,617	305,503	7,5	7,3
779+15,000		PCV	33	-19,032	305,150	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,771	9	-6,100	312,846	-5,00%	8	-	-	-	7	-3,600	312,971	-3,00%	305,302	313,079	7,778	7	3,600	312,971	-3,00%	8	-	-	-	9	6,100	312,846	-5,00%	10	7,600	312,771	15	-	-	16	-	-	17	-	-	18	-	-	33	18,514	305,495	7,6	7,3
780+0,000			33	-19,100	305,076	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,743	9	-6,100	312,818	-5,00%	8	-	-	-	7	-3,600	312,943	-3,00%	305,222	313,051	7,829	7	3,600	312,943	-3,00%	8	-	-	-	9	6,100	312,818	-5,00%	10	7,600	312,743	15	-	-	16	-	-	17	-	-	18	-	-	33	18,568	305,430	7,7	7,3
781+0,000			33	-19,186	304,844	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,568	9	-6,100	312,643	-5,00%	8	-	-	-	7	-3,600	312,768	-3,00%	304,891	312,876	7,985	7	3,600	312,768	-3,00%	8	-	-	-	9	6,100	312,643	-5,00%	10	7,600	312,568	15	-	-	16	-	-	17	-	-	18	-	-	33	18,702	305,166	7,7	7,4
782+0,000			33	-18,963	304,722	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,297	9	-6,100	312,372	-5,00%	8	-	-	-	7	-3,600	312,497	-3,00%	304,558	312,605	8,048	7	3,600	312,497	-3,00%	8	-	-	-	9	6,100	312,372	-5,00%	10	7,600	312,297	15	-	-	16	-	-	17	-	-	18	-	-	33	18,711	304,890	7,6	7,4
782+5,000			33	-18,540	304,921	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,215	9	-6,100	312,290	-5,00%	8	-	-	-	7	-3,600	312,415	-3,00%	304,521	312,523	8,002	7	3,600	312,415	-3,00%	8	-	-	-	9	6,100	312,290	-5,00%	10	7,600	312,215	15	-	-	16	-	-	17	-	-	18	-	-	33	18,687	304,823	7,3	7,4
783+0,000			33	-17,319	305,451	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,931	9	-6,100	312,006	-5,00%	8	-	-	-	7	-3,600	312,131	-3,00%	304,738	312,239	7,500	7	3,600	312,131	-3,00%	8	-	-	-	9	6,100	312,006	-5,00%	10	7,600	311,931	15	-	-	16	-	-	17	-	-	18	-	-	33	18,276	304,813	6,5	7,1
784+0,000			33	-16,138	305,776	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,468	9	-6,100	311,543	-5,00%	8	-	-	-	7	-3,600	311,668	-3,00%	305,136	311,776	6,640	7	3,600	311,668	-3,00%	8	-	-	-	9	6,100	311,543	-5,00%	10	7,600	311,468	15	-	-	16	-	-	17	-	-	18	-	-	33	17,497	304,870	5,7	6,6
784+15,000		PTV	33	-15,305	305,922	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,058	9	-6,100	311,133	-5,00%	8	-	-	-	7	-3,600	311,258	-3,00%	305,479	311,366	5,887	7	3,600	311,258	-3,00%	8	-	-	-	9	6,100	311,133	-5,00%	10	7,600	311,058	15	-	-	16	-	-	17	-	-	18	-	-	33	16,282	305,270	5,1	5,8
785+0,000			33	-14,936	306,022	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	310,913	9	-6,100	310,988	-5,00%	8	-	-	-	7	-3,600	311,113	-3,00%	305,628	311,221	5,593	7	3,600	311,113	-3,00%	8	-	-	-	9	6,100	310,988	-5,00%	10	7,600	310,913	15	-	-	16	-	-	17	-	-	18	-	-	33	15,815	305,436	4,9	5,5
786+0,000			33	-13,369	306,484	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	310,330	9	-6,100	310,405	-5,00%	8	-	-	-	7	-3,600	310,530	-3,00%	306,244	310,638	4,394	7	3,600	310,530	-3,00%	8	-	-	-	9	6,100	310,405	-5,00%	10	7,600	310,330	15	-	-	16	-	-	17	-	-	18	-	-	33	14,144	305,967	3,8	4,4
786+5,000		PCV	33	-12,944	306,622	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	310,184	9	-6,100	310,259	-5,00%	8	-	-	-	7	-3,600	310,384	-3,00%	306,390	310,492	4,103	7	3,600	310,384	-3,00%	8	-	-	-	9	6,100	310,259	-5,00%	10	7,600	310,184	15	-	-	16	-	-	17	-	-	18	-	-	33	13,773	306,069	3,6	4,1
787+0,000			33	-11,841	306,950	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	309,777	9	-6,100	309,852	-5,00%	8	-	-	-	7	-3,600	309,977	-3,00%	306,680	310,085	3,405	7	3,600	309,977	-3,00%	8	-	-	-	9	6,100	309,852	-5,00%	10	7,600	309,777	15	-	-	16	-	-	17	-	-	18	-	-	33	12,694	306,381	2,8	3,4
788+0,000			33	-10,689	307,268	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	309,327	9	-6,100	309,402	-5,00%	8	-	-	-	7	-3,600	309,527	-3,00%	307,047	309,635	2,589	7	3,600	309,527	-3,00%	8	-	-	-	9	6,100	309,402	-5,00%	10	7,600	309,327	15	-	-	16	-	-	17	-	-	18	-	-	33	11,484	306,738	2,1	2,6
789+0,000			33	-9,789	307,524	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	308,983	9	-6,100	309,058	-5,00%	8	-	-	-	7	-3,600	309,183	-3,00%	307,377	309,291	1,914	7	3,600	309,183	-3,00%	8	-	-	-	9	6,100	309,058	-5,00%	10	7,600	308,983	15	-	-	16	-	-	17	-	-	18	-	-	33	10,273	307,201	1,5	1,8
789+15,000			33	-9,290	307,669	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	308,795	9	-6,100	308,870	-5,00%	8	-	-	-	7	-3,600	308,995	-3,00%	307,557	309,103	1,546	7	3,600	308,995	-3,00%	8	-	-	-	9	6,100	308,870	-5,00%	10	7,600	308,795	15	-	-	16	-	-	17	-	-	18	-	-	33	9,781	307,341	1,1	1,5
790+0,000			33	-9,143	307,717	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	308,745	9	-6,100	308,820	-5,00%	8	-	-	-	7	-3,600	308,945	-3,00%	307,655	309,053	1,398	7	3,600	308,945	-3,00%	8	-	-	-	9	6,100	308,820	-5,00%	10	7,600	308,745	15	-	-	16	-	-	17	-	-	18	-	-	33	9,679	307,359	1,0	1,4
791+0,000			33	-8,355	308,110	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	308,614	9	-6,100	308,689	-5,00%	8	-	-	-	7	-3,600	308,814	-3,00%	307,853	308,922	1,068	7	3,600	308,814	-3,00%	8	-	-	-	9	6,100	308,689	-5,00%	10	7,600	308,614	15	-	-	16	-	-	17	-	-	18	-	-	33	9,253	307,512	0,5	1,1
791+14,844			33	-7,949	308,352	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	308,584	9	-6,100	308,659	-5,00%	8	-	-	-	7	-3,600	308,784	-3,00%	308,165	308,892	0,728	7	3,600	308,784	-3,00%	8	-	-	-	9	6,100	308,659	-5,00%	10	7,600	308,584	15	-	-	16	-	-	17	-	-	18	-	-	33	8,657	307,879	0,2	0,7
792+0,000			33	-7,846	308,424	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	308,588	9	-6,100	308,663	-5,00%	8	-	-	-	7	-3,600	308,788	-3,00%	308,244	308,896	0,652	7	3,600	308,788	-3,00%	8	-	-	-	9	6,100	308,663	-5,00%	10	7,600	308,588	15	-	-	16	-	-	17	-	-	18	-	-	33	8,472	308,006	0,2	0,6
793+0,000		PTV	33	-7,916	308,684	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	308,368	9	-6,100	308,743	-5,00%	8	-	-	-	7	-3,600	308,868	-3,00%	308,492	308,976	0,484	7	3,600	308,868	-3,00%	8	-	-	-	9	6,100	308,743	-5,00%	10	7,600	308,668	15	-	-	16	-	-	17	-	-	18	-	-	33	8,167	308,290	-0,3	0,4
794+0,000			33	-8,002	308,919	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	308,525	9	-6,100	308,900	-5,00%	8	-	-	-	7	-3,600	309,025	-3,00%	308,723	309,133	0,410	7	3,600	309,025	-3,00%	8	-	-	-	9	6,100	308,900	-5,00%	10	7,600	308,825	15	-	-	16	-	-	17	-	-	18	-	-	33	8,067	308,514	-0,4	0,3
795+0,000			33	-8,059	309,144	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	308,685	9	-6,100	309,060	-5,00%	8	-	-	-	7	-3,600	309,185	-3,00%	308,942	309,293	0,351	7	3,600	309,185	-3,00%	8	-	-	-	9	6,100	309,060	-5,00%	10	7,600	308,985	15	-	-	16	-	-	17	-	-	18	-	-	33	7,964	308,743	-0,5	0,2
795+5,000			33	-8,071	309,196	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	308,725	9	-6,100	309,100	-5,00%	8	-	-	-	7	-3,600	309,225	-3,00%	308,991	309,333	0,342	7	3,600	309,225	-3,00%	8	-	-	-	9	6,100	309,100	-5,00%	10	7,600	309,025	15	-	-	16	-	-	17	-	-	18	-	-	33	7,936	308,801	-0,5	0,2
796+0,000			33	-8,011	309,256	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	308,845	9	-6,100	309,220	-5,00%	8	-	-	-	7	-3,600	309,345	-3,00%	309,140	309,453	0,312	7	3,600	309,345	-3,00%	8	-	-	-	9	6,100	309,220	-5,00%	10	7,600	309,145	15	-	-	16	-	-	17	-	-	18	-	-	33	7,860	308,972	-0,4	0,2
797+0,000			33	-8,046	309,451	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	309,005	9	-6,100	309,380	-5,00%	8	-	-	-	7	-3,600	309,505	-3,00%	309,300	309,613	0,313	7	3,600	309,505	-3,00%	8	-	-	-	9	6,100	309,380	-5,00%	10	7,600	309,305	15	-	-	16	-	-	17	-	-	18	-	-	33	7,789	309,179	-0,4	0,1
798+0,000			33	-8,138	309,703	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	309,165	9	-6,100	309,540	-5,00%	8	-	-	-	7	-3,600	309,665	-3,00%	309,529	309,773	0,243	7	3,600	309,665	-3,00%	8	-	-	-	9	6,100	309,540	-5,00%	10	7,600	309,465	15	-	-	16	-	-	17	-	-	18	-	-	33	7,759	309,359	-0,5	0,1
799+0,000			33	-8,073	309,798	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	309,325	9	-6,100	309,700	-5,00%	8	-	-	-	7	-3,600	309,825	-3,00%	309,635	309,933	0,298	7	3,600	309,825	-3,00%	8	-	-	-	9	6,100	309,700	-5,00%	10	7,600	309,625	15	-	-	16	-	-	17	-	-	18	-	-	33	7,803	309,489	-0,5	0,1
800+0,000			33	-7,995	309,880	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	309,485	9	-6,100	309,860	-5,00%	8	-	-	-	7	-3,600	309,985	-3,00%	309,697	310,093	0,396	7	3,600	309,985	-3,00%	8	-	-	-	9	6,100	309,860	-5,00%	10	7,600	309,785	15	-	-	16	-	-	17	-	-	18	-	-	33	7,911	309,577	-0,4	0,2
801+0,000			33	-7,658	309,906	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	309,945	9	-6,100	310,020	-5,00%	8	-	-	-	7	-3,600	310,145	-3,00%	309,750	310,253	0,502	7	3,600	310,145	-3,00%	8	-	-	-	9	6,100	310,020	-5,00%	10	7,600	309,945	15	-	-	16	-	-	17	-	-	18	-	-	33	8,119	309,598	0,0	0,3
802+0,000			33	-8,119	310,323	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	309,805	9	-6,100	310,180	-5,00%	8	-	-	-	7	-3,600	310,305	-3,00%	309,931	310,413	0,481	7	3,600	310,305	-3,00%	8	-	-	-	9	6,100	310,180	-5,00%	10	7,600	310,105	15	-	-	16	-	-	17	-	-	18	-	-	33	8,067	309,793	-0,5	0,3
803+0,000			33	-7,714	310,188	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	310,265	9	-6,100	310,340	-5,00%	8	-	-	-	7	-3,600	310,465	-3,00%	310,071	310,573	0,501	7	3,600	310,465	-3,00%	8	-	-	-	9	6,100	310,340	-5,00%	10	7,600	310,265	15	-	-	16	-	-	17	-	-	18	-	-	33	8,238	309,839	0,1	0,4
804+0,000			33	-7,875	310,241	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	310,424	9	-6,100	310,499	-5,00%	8	-	-	-	7	-3,600	310,624	-3,00%	310,107	310,732	0,626	7	3,600	310,624	-3,00%	8	-	-	-	9	6,100	310,499	-5,00%	10	7,600	310,424	15	-	-	16	-	-	17	-	-	18	-	-	33	8,380	309,904	0,2	0,5
805+0,000			33	-8,144	310,222	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	310,584	9	-6,100	310,659	-5,00%	8	-	-	-	7	-3,600	310,784	-3,00%	309,815	310,892	1,077	7	3,600	310,784	-3,00%	8	-	-	-	9	6,100	310,659	-5,00%	10	7,600	310,584	15	-	-	16	-	-	17	-	-	18	-	-	33	8,947	309,686	0,4	0,9
806+0,000			33	-8,366	310,234	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	310,744	9	-6,100	310,819	-5,00%	8	-	-	-	7	-3,600	310,944	-3,00%	310,082	311,052	0,970	7	3,600	310,944	-3,00%	8	-	-	-	9	6,100	310,819	-5,00%	10	7,600	310,744	15	-	-	16	-	-	17	-	-	18	-	-	33	8,813	309,935	0,5	0,8
807+0,000			33	-8,496	310,307	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	310,904	9	-6,100	310,979	-5,00%	8	-	-	-	7	-3,600	311,104	-3,00%	310,089	311,212	1,124	7	3,600	311,104	-3,00%	8	-	-	-	9	6,100	310,979	-5,00%	10	7,600	310,904	15	-	-	16	-	-	17	-	-	18	-	-	33	9,068	309,925	0,6	1,0
808+0,000			33	-8,374	310,548	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,064	9	-6,100	311,139	-5,00%	8	-	-	-	7	-3,600	311,264	-3,00%	310,321	311,372	1,051	7	3,600	311,264	-3,00%	8	-	-	-	9	6,100	311,139	-5,00%	10	7,600	311,064	15	-	-	16	-	-	17	-	-	18	-	-	33	8,976	310,147	0,5	0,9
809+0,000			33	-8,381	310,703	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,224	9	-6,100	311,299	-5,00%	8	-	-	-	7	-3,600	311,424	-3,00%	310,538	311,532	0,994	7	3,600	311,424	-3,00%	8	-	-	-	9	6,100	311,299	-5,00%	10	7,600	311,224	15	-	-	16	-	-	17	-	-	18	-	-	33	8,941	310,330	0,5	0,9
809+15,000		PCV	33	-8,393	310,815	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,344	9	-6,100	311,419	-5,00%	8	-	-	-	7	-3,600	311,544	-3,00%	310,754	311,652	0,898	7	3,600	311,544	-3,00%	8	-	-	-	9	6,100	311,419	-5,00%	10	7,600	311,344	15	-	-	16	-	-	17	-	-	18	-	-	33	8,885	310,487	0,5	0,9
810+0,000			33	-8,386	310,860	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,384	9	-6,100	311,459	-5,00%	8	-	-	-	7	-3,600	311,584	-3,00%	310,815	311,692	0,876	7	3,600	311,584	-3,00%	8	-	-	-	9	6,100	311,459	-5,00%	10	7,600	311,384	15	-	-	16	-	-	17	-	-	18	-	-	33	8,834	310,561	0,5	0,8
811+0,000			33	-8,426	310,979	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,529	9	-6,100	311,604	-5,00%	8	-	-	-	7	-3,600	311,729	-3,00%	310,839	311,837	0,998	7	3,600	311,729	-3,00%	8	-	-	-	9	6,100	311,604	-5,00%	10	7,600	311,529	15	-	-	16	-	-	17	-	-	18	-	-	33	8,861	310,688	0,6	0,8
811+5,000			33	-8,410	311,023	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,562	9	-6,100	311,637	-5,00%	8	-	-	-	7	-3,600	311,762	-3,00%	310,849	311,870	1,022	7	3,600	311,762	-3,00%	8	-	-	-	9	6,100	311,637	-5,00%	10	7,600	311,562	15	-	-	16	-	-	17	-	-	18	-	-	33	8,898	310,697	0,5	0,9
812+0,000			33	-8,382	311,134	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,655	9	-6,100	311,730	-5,00%	8	-	-	-	7	-3,600	311,855	-3,00%	310,954	311,963	1,009	7	3,600	311,855	-3,00%	8	-	-	-	9	6,100	311,730	-5,00%	10	7,600	311,655	15	-	-	16	-	-	17	-	-	18	-	-	33	8,940	310,762	0,5	0,9
812+15,000		PTV	33	-8,301	311,270	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,738	9	-6,100	311,813	-5,00%	8	-	-	-	7	-3,600	311,938	-3,00%	311,074	312,046	0,971	7	3,600	311,938	-3,00%	8	-	-	-	9	6,100	311,813	-5,00%	10	7,600	311,738	15	-	-	16	-	-	17	-	-	18	-	-	33	8,905	310,868	0,5	0,9
813+0,000			33	-8,271	311,316	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,763	9	-6,100	311,838	-5,00%	8	-	-	-	7	-3,600	311,963	-3,00%	311,120	312,071	0,951	7	3,600	311,963	-3,00%	8	-	-	-	9	6,100	311,838	-5,00%	10	7,600	311,763	15	-	-	16	-	-	17	-	-	18	-	-	33	8,890	310,903	0,4	0,9
814+0,000			33	-8,238	311,440	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,866	9	-6,100	311,941	-5,00%	8	-	-	-	7	-3,600	312,066	-3,00%	311,213	312,174	0,960	7	3,600	312,066	-3,00%	8	-	-	-	9	6,100	311,941	-5,00%	10	7,600	311,866	15	-	-	16	-	-	17	-	-	18	-	-	33	8,926	310,981	0,4	0,9
815+0,000			33	-8,278	311,516	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	311,968	9	-6,100	312,043	-5,00%	8	-	-	-	7	-3,600	312,168	-3,00%	311,295	312,276	0,981	7	3,600	312,168	-3,00%	8	-	-	-	9	6,100	312,043	-5,00%	10	7,600	311,968	15	-	-	16	-	-	17	-	-	18	-	-	33	8,921	311,087	0,5	0,9
816+0,000			33	-8,190	311,677	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,070	9	-6,100	312,145	-5,00%	8	-	-	-	7	-3,600	312,270	-3,00%	311,455	312,378	0,924	7	3,600	312,270	-3,00%	8	-	-	-	9	6,100	312,145	-5,00%	10	7,600	312,070	15	-	-	16	-	-	17	-	-	18	-	-	33	8,812	311,262	0,4	0,8
817+0,000			33	-8,175	311,789	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,173	9	-6,100	312,248	-5,00%	8	-	-	-	7	-3,600	312,373	-3,00%	311,631	312,481	0,850	7	3,600	312,373	-3,00%	8	-	-	-	9	6,100	312,248	-5,00%	10	7,600	312,173	15	-	-	16	-	-	17	-	-	18	-	-	33	8,754	311,403	0,4	0,8
818+0,000			33	-8,084	311,952	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,275	9	-6,100	312,350	-5,00%	8	-	-	-	7	-3,600	312,475	-3,00%	311,824	312,583	0,759	7	3,600	312,475	-3,00%	8	-	-	-	9	6,100	312,350	-5,00%	10	7,600	312,275	15	-	-	16	-	-	17	-	-	18	-	-	33	8,619	311,596	0,3	0,7
819+0,000			33	-8,029	312,091	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,377	9	-6,100	312,452	-5,00%	8	-	-	-	7	-3,600	312,577	-3,00%	311,870	312,685	0,815	7	3,600	312,577	-3,00%	8	-	-	-	9	6,100	312,452	-5,00%	10	7,600	312,377	15	-	-	16	-	-	17	-	-	18	-	-	33	8,636	311,687	0,3	0,7
820+0,000			33	-7,998	312,215	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,480	9	-6,100	312,555	-5,00%	8	-	-	-	7	-3,600	312,680	-3,00%	311,948	312,788	0,839	7	3,600	312,680	-3,00%	8	-	-	-	9	6,100	312,555	-5,00%	10	7,600	312,480	15	-	-	16	-	-	17	-	-	18	-	-	33	8,613	311,804	0,3	0,7
821+0,000			33	-7,657	312,544	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,582	9	-6,100	312,657	-5,00%	8	-	-	-	7	-3,600	312,782	-3,00%	312,201	312,890	0,689	7	3,600	312,782	-3,00%	8	-	-	-	9	6,100	312,657	-5,00%	10	7,600	312,582	15	-	-	16	-	-	17	-	-	18	-	-	33	8,507	311,978	0,0	0,6
822+0,000			33	-7,963	312,747	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,384	9	-6,100	312,759	-5,00%	8	-	-	-	7	-3,600	312,884	-3,00%	312,529	312,992	0,463	7	3,600	312,884	-3,00%	8	-	-	-	9	6,100	312,759	-5,00%	10	7,600	312,684	15	-	-	16	-	-	17	-	-	18	-	-	33	8,237	312,260	-0,4	0,4
823+0,000			33	-7,997	312,883	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,487	9	-6,100	312,862	-5,00%	8	-	-	-	7	-3,600	312,987	-3,00%	312,554	313,095	0,540	7	3,600	312,987	-3,00%	8	-	-	-	9	6,100	312,862	-5,00%	10	7,600	312,787	15	-	-	16	-	-	17	-	-	18	-	-	33	8,205	312,383	-0,4	0,4
824+0,000			33	-8,019	313,008	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,574	9	-6,100	312,964	-5,00%	8	-	-	-	7	-3,600	313,089	-3,00%	312,652	313,197	0,545	7	3,600	313,089	-3,00%	8	-	-	-	9	6,100	312,964	-5,00%	10	7,600	312,889	15	-	-	16	-	-	17	-	-	18	-	-	33	8,219	312,476	-0,4	0,4
825+0,000			33	-8,055	313,147	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,691	9	-6,100	313,066	-5,00%	8	-	-	-	7	-3,600	313,191	-3,00%	312,919	313,299	0,380	7	3,600	313,191	-3,00%	8	-	-	-	9	6,100	313,066	-5,00%	10	7,600	312,991	15	-	-	16	-	-	17	-	-	18	-	-	33	7,930	312,772	-0,5	0,2
826+0,000			33	-8,238	313,432	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,794	9	-6,100	313,169	-5,00%	8	-	-	-	7	-3,600	313,294	-3,00%	313,192	313,402	0,210	7	3,600	313,294	-3,00%	8	-	-	-	9	6,100	313,169	-5,00%	10	7,600	313,094	15	-	-	16	-	-	17	-	-	18	-	-	33	7,751	312,993	-0,6	0,1
827+0,000			33	-8,297	313,593	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,896	9	-6,100	313,271	-5,00%	8	-	-	-	7	-3,600	313,396	-3,00%	313,342	313,504	0,162	7	3,600	313,396	-3,00%	8	-	-	-	9	6,100	313,271	-5,00%	10	7,600	312,896	15	-	-	16	-	-	17	-	-	18	-	-	33	7,942	313,238	-0,7	-0,3
828+0,000			33	-8,392	313,790	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	312,998	9	-6,100	313,373	-5,00%	8	-	-	-	7	-3,600	313,498	-3,00%	313,581	313,606	0,025	7	3,600	313,498	-3,00%	8	-	-	-	9	6,100	313,373	-5,00%	10	7,600	312,998	15	-	-	16	-	-	17	-	-	18	-	-	33	7,983	313,381	-0,8	-0,4
829+0,000			33	-15,352	314,182	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	313,128	9	-6,100	313,476	-5,00%	8	-	-	-	7	-3,600	313,601	-3,00%	313,800	313,709	-0,091	7	3,600	313,601	-3,00%	8	-	-	-	9	6,100	313,476	-5,00%	10	7,492	313,128	15	-	-	16	-	-	17	-	-	18	-	-	33	34,719	312,949	-1,3	-0,6
830+0,000			33	-15,494	314,425	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	313,230	9	-6,100	313,578	-5,00%	8	-	-	-	7	-3,600	313,703	-3,00%	314,017	313,811	-0,206	7	3,600	313,703	-3,00%	8	-	-	-	9	6,100	313,578	-5,00%	10	7,492	313,230	15	-	-	16	-	-	17	-	-	18	-	-	33	34,819	313,151	-1,4	-0,7
831+0,000			33	-15,686	314,720	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	313,332	9	-6,100	313,681	-5,00%	8	-	-	-	7	-3,600	313,806	-3,00%	314,227	313,914	-0,313	7	3,600	313,806	-3,00%	8	-	-	-	9	6,100	313,681	-5,00%	10	7,492	313,332	15	-	-	16	-	-	17	-	-	18	-	-	33	34,915	313,349	-1,6	-0,8
832+0,000			33	-15,921	315,057	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	313,435	9	-6,100	313,783	-5,00%	8	-	-	-	7	-3,600	313,908	-3,00%	314,417	314,016	-0,401	7	3,600	313,908	-3,00%	8	-	-	-	9	6,100	313,783	-5,00%	10	7,492	313,435	15	-	-	16	-	-	17	-	-	18	-	-	33	35,017	313,553	-1,8	-0,9
833+0,000			33	-16,121	315,360	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	313,537	9	-6,100	313,885	-5,00%	8	-	-	-	7	-3,600	314,010	-3,00%	314,650	314,118	-0,532	7	3,600	314,010	-3,00%	8	-	-	-	9	6,100	313,885	-5,00%	10	7,492	313,537	15	-	-	16	-	-	17	-	-	18	-	-	33	35,099	313,738	-2,0	-1,0
834+0,000			33	-16,174	315,515	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	313,639	9	-6,100	313,988	-5,00%	8	-	-	-	7	-3,600	314,113	-3,00%	315,036	314,221	-0,816	7	3,600	314,113	-3,00%	8	-	-	-	9	6,100	313,988	-5,00%	10	7,492	313,639	15	-	-	16	-	-	17	-	-	18	-	-	33	35,193	313,934	-2,1	-1,1
835+0,000			33	-16,239	315,682	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	313,742	9	-6,100	314,090	-5,00%	8	-	-	-	7	-3,600	314,215	-3,00%	315,063	314,323	-0,740	7	3,600	314,215	-3,00%	8	-	-	-	9	6,100	314,090	-5,00%	10	7,492	313,742	15	-	-	16	-	-	17	-	-	18	-	-	33	35,287	314,130	-2,1	-1,2
836+0,000			33	-16,413	315,959	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	313,844	9	-6,100	314,192	-5,00%	8	-	-	-	7	-3,600	314,317	-3,00%	315,249	314,425	-0,824	7	3,600	314,317	-3,00%	8	-	-	-	9	6,100	314,192	-5,00%	10	7,492	313,844	15	-	-	16	-	-	17	-	-	18	-	-	33	35,340	314,286	-2,3	-1,2
837+0,000			33	-16,458	316,106	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	313,947	9	-6,100	314,295	-5,00%	8	-	-	-	7	-3,600	314,420	-3,00%	315,385	314,528	-0,857	7	3,600	314,420	-3,00%	8	-	-	-	9	6,100	314,295	-5,00%	10	7,492	313,947	15	-	-	16	-	-	17	-	-	18	-	-	33	35,340	314,388	-2,4	-1,2
838+0,000			33	-16,413	316,163	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	314,049	9	-6,100	314,397	-5,00%	8	-	-	-	7	-3,600	314,522	-3,00%	315,505	314,630	-0,875	7	3,600	314,522	-3,00%	8	-	-	-	9	6,100	314,397	-5,00%	10	7,492	314,049	15	-	-	16	-	-	17	-	-	18	-	-	33	35,339	314,490	-2,3	-1,2
839+0,000			33	-16,317	316,170	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	314,151	9	-6,100	314,499	-5,00%	8	-	-	-	7	-3,600	314,624	-3,00%	315,591	314,732	-0,858	7	3,600	314,624	-3,00%	8	-	-	-	9	6,100	314,499	-5,00%	10	7,492	314,151	15	-	-	16	-	-	17	-	-	18	-	-	33	35,348	314,601	-2,2	-1,2
840+0,000			33	-16,257	316,213	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	314,254	9	-6,100	314,602	-5,00%	8	-	-	-	7	-3,600	314,727	-3,00%	315,731	314,835	-0,897	7	3,600	314,727	-3,00%	8	-	-	-	9	6,100	314,602	-5,00%	10	7,492	314,254	15	-	-	16	-	-	17	-	-	18	-	-	33	35,372	314,727	-2,2	-1,3
841+0,000			33	-16,254	316,311	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	314,356	9	-6,100	314,704	-5,00%	8	-	-	-	7	-3,600	314,829	-3,00%	315,806	314,937	-0,869	7	3,600	314,829	-3,00%	8	-	-	-	9	6,100	314,704	-5,00%	10	7,492	314,356	15	-	-	16	-	-	17	-	-	18	-	-	33	35,396	314,853	-2,2	-1,3
842+0,000			33	-16,243	316,403	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	314,458	9	-6,100	314,806	-5,00%	8	-	-	-	7	-3,600	314,931	-3,00%	316,041	315,039	-1,002	7	3,600	314,931	-3,00%	8	-	-	-	9	6,100	314,806	-5,00%	10	7,492	314,458	15	-	-	16	-	-	17	-	-	18	-	-	33	35,400	314,960	-2,1	-1,3
843+0,000			33	-16,243	316,505	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	314,561	9	-6,100	314,909	-5,00%	8	-	-	-	7	-3,600	315,034	-3,00%	316,134	315,142	-0,993	7	3,600	315,034	-3,00%	8	-	-	-	9	6,100	314,909	-5,00%	10	7,492	314,561	15	-	-	16	-	-	17	-	-	18	-	-	33	35,348	315,011	-2,1	-1,2
844+0,000			33	-16,086	316,450	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	314,663	9	-6,100	315,011	-5,00%	8	-	-	-	7	-3,600	315,136	-3,00%	316,126	315,244	-0,881	7	3,600	315,136	-3,00%	8	-	-	-	9	6,100	315,011	-5,00%	10	7,492	314,663	15	-	-	16	-	-	17	-	-	18	-	-	33	35,295	315,060	-2,0	-1,2
845+0,000			33	-16,089	316,556	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	314,765	9	-6,100	315,113	-5,00%	8	-	-	-	7	-3,600	315,238	-3,00%	316,171	315,346	-0,825	7	3,600	315,238	-3,00%	8	-	-	-	9	6,100	315,113	-5,00%	10	7,492	314,765	15	-	-	16	-	-	17	-	-	18	-	-	33	35,240	315,108	-2,0	-1,1
846+0,000			33	-16,060	316,630	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	314,868	9	-6,100	315,216	-5,00%	8	-	-	-	7	-3,600	315,341	-3,00%	316,273	315,449	-0,825	7	3,600	315,341	-3,00%	8	-	-	-	9	6,100	315,216	-5,00%	10	7,492	314,868	15	-	-	16	-	-	17	-	-	18	-	-	33	35,186	315,156	-2,0	-1,1
847+0,000			33	-15,961	316,633	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	314,970	9	-6,100	315,318	-5,00%	8	-	-	-	7	-3,600	315,443	-3,00%	316,099	315,551	-0,548	7	3,600	315,443	-3,00%	8	-	-	-	9	6,100	315,318	-5,00%	10	7,492	314,970	15	-	-	16	-	-	17	-	-	18	-	-	33	35,121	315,193	-1,9	-1,0
848+0,000			33	-15,850	316,624	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	315,072	9	-6,100	315,421	-5,00%	8	-	-	-	7	-3,600	315,546	-3,00%	316,043	315,654	-0,389	7	3,600	315,546	-3,00%	8	-	-	-	9	6,100	315,421	-5,00%	10	7,492	315,072	15	-	-	16	-	-	17	-	-	18	-	-	33	34,984	315,158	-1,7	-0,9
849+0,000			33	-15,739	316,615	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	315,175	9	-6,100	315,523	-5,00%	8	-	-	-	7	-3,600	315,648	-3,00%	316,099	315,756	-0,344	7	3,600	315,648	-3,00%	8	-	-	-	9	6,100	315,523	-5,00%	10	7,492	315,175	15	-	-	16	-	-	17	-	-	18	-	-	33	34,813	315,090	-1,6	-0,7
850+0,000			33	-15,577	316,556	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,492	315,277	9	-6,100	315,625	-5,00%	8	-	-	-	7	-3,600	315,750	-3,00%	316,016	315,858	-0,158	7	3,600	315,750	-3,00%	8	-	-	-	9	6,100	315,625	-5,00%	10	7,492	315,277	15	-	-	16	-	-	17	-	-	18	-	-	33	34,652	315,031	-1,5	-0,6

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

BR-158/262-MS

LADO ESQUERDO – PLATAFORMA ACABADA / COTAS DE EIXO

ESTACA	Elementos do Projeto – Planta	Elementos do Projeto – Perfil	Talude P.	Talude Dist.	Talude Cota	Fim da Segunda Berma P.	Dist.	Cota	Inicio da Segunda Berma P.	Dist.	Cota	Fim da Primeira Berma P.	Dist.	Cota	Inicio da Primeira Berma / Encontro de Talude P.	Dist.	Cota	Fundo canaleta / Barreira P.	Dist.	Cota	Acostamento / Faixa de Segurança / Concordância de Pista P.	Dist.	Cota	Decliv.	Faixa de Aceleração ou Desaceleração P.	Dist.	Cota	Decliv.	Bordo da pista P.	Dist.	Cota	Decliv.	Terreno Natural	Projeto	Cota vermelha
850+5,000		PCV	33	- 15,527	316,532	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	315,303	9	- 6,100	315,651	-5,00%	8	-	-	-	7	- 3,600	315,776	-3,00%	315,984	315,884	-0,101
851+0,000			33	- 15,393	316,459	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	315,365	9	- 6,100	315,713	-5,00%	8	-	-	-	7	- 3,600	315,838	-3,00%	315,889	315,946	0,057
852+0,000			33	- 15,175	316,277	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	315,401	9	- 6,100	315,749	-5,00%	8	-	-	-	7	- 3,600	315,874	-3,00%	315,836	315,982	0,146
852+3,550			33	- 15,134	316,237	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	315,401	9	- 6,100	315,749	-5,00%	8	-	-	-	7	- 3,600	315,874	-3,00%	315,830	315,982	0,153
852+15,000			33	- 15,012	316,106	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	315,393	9	- 6,100	315,741	-5,00%	8	-	-	-	7	- 3,600	315,866	-3,00%	315,773	315,974	0,201
853+0,000			33	- 14,968	316,053	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	315,383	9	- 6,100	315,732	-5,00%	8	-	-	-	7	- 3,600	315,857	-3,00%	315,721	315,965	0,243
854+0,000			33	- 14,897	315,912	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	315,313	9	- 6,100	315,661	-5,00%	8	-	-	-	7	- 3,600	315,786	-3,00%	315,516	315,894	0,379
855+0,000			33	- 14,900	315,792	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	315,190	9	- 6,100	315,538	-5,00%	8	-	-	-	7	- 3,600	315,663	-3,00%	315,391	315,771	0,380
855+5,000		PTV	33	- 14,885	315,737	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	315,151	9	- 6,100	315,499	-5,00%	8	-	-	-	7	- 3,600	315,624	-3,00%	315,376	315,732	0,356
856+0,000			33	- 14,869	315,599	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	315,028	9	- 6,100	315,376	-5,00%	8	-	-	-	7	- 3,600	315,501	-3,00%	315,311	315,609	0,298
857+0,000			33	- 14,961	315,527	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	314,865	9	- 6,100	315,213	-5,00%	8	-	-	-	7	- 3,600	315,338	-3,00%	315,215	315,446	0,231
858+0,000			33	- 15,025	315,429	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	314,702	9	- 6,100	315,050	-5,00%	8	-	-	-	7	- 3,600	315,175	-3,00%	315,205	315,283	0,078
859+0,000			33	- 15,053	315,293	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	314,539	9	- 6,100	314,887	-5,00%	8	-	-	-	7	- 3,600	315,012	-3,00%	315,161	315,120	-0,041
860+0,000			33	- 15,007	315,084	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	314,376	9	- 6,100	314,724	-5,00%	8	-	-	-	7	- 3,600	314,849	-3,00%	314,812	314,957	0,145
861+0,000			33	- 15,138	315,053	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	314,213	9	- 6,100	314,561	-5,00%	8	-	-	-	7	- 3,600	314,686	-3,00%	314,731	314,794	0,063
862+0,000			33	- 15,354	315,105	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	314,049	9	- 6,100	314,398	-5,00%	8	-	-	-	7	- 3,600	314,523	-3,00%	314,716	314,631	-0,085
862+10,849			33	- 15,455	315,118	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	313,961	9	- 6,100	314,309	-5,00%	8	-	-	-	7	- 3,600	314,434	-3,00%	314,704	314,542	-0,162
862+18,126		PCV	33	- 15,518	315,121	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	313,902	9	- 6,100	314,250	-5,00%	8	-	-	-	7	- 3,600	314,375	-3,00%	314,702	314,483	-0,220
863+0,000			33	- 15,532	315,120	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	313,886	9	- 6,100	314,234	-5,00%	8	-	-	-	7	- 3,600	314,359	-3,00%	314,706	314,467	-0,239
863+1,147			33	- 15,540	315,119	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	313,876	9	- 6,100	314,224	-5,00%	8	-	-	-	7	- 3,600	314,349	-3,00%	314,708	314,457	-0,250
864+0,000			33	- 15,649	315,134	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	313,784	9	- 6,100	314,132	-5,00%	8	-	-	-	7	- 3,600	314,257	-0,49%	314,718	314,274	-0,443
864+3,647			33	- 15,662	315,125	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	313,761	9	- 6,100	314,109	-5,00%	8	-	-	-	7	- 3,600	314,234	0,00%	314,716	314,234	-0,483
864+13,647	PC		33	- 15,709	315,099	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	313,689	9	- 6,100	314,037	-5,00%	8	-	-	-	7	- 3,600	314,162	1,33%	314,713	314,114	-0,599
865+0,000			33	- 15,745	315,083	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	313,637	9	- 6,100	313,985	-5,00%	8	-	-	-	7	- 3,600	314,110	2,18%	314,710	314,032	-0,678
865+6,147			33	- 15,784	315,067	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	313,582	9	- 6,100	313,930	-5,00%	8	-	-	-	7	- 3,600	314,055	3,00%	314,705	313,947	-0,759
866+0,000			33	- 15,911	314,987	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	313,374	9	- 6,100	313,722	-5,00%	8	-	-	-	7	- 3,600	313,847	3,00%	314,712	313,739	-0,973
866+18,126			33	- 16,078	314,845	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	313,066	9	- 6,100	313,414	-5,00%	8	-	-	-	7	- 3,600	313,539	3,00%	314,703	313,431	-1,272
867+0,000			33	- 16,105	314,839	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	313,031	9	- 6,100	313,379	-5,00%	8	-	-	-	7	- 3,600	313,504	3,00%	314,692	313,396	-1,296
868+0,000			33	- 16,464	314,805	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	312,639	9	- 6,100	312,987	-5,00%	8	-	-	-	7	- 3,600	313,112	3,00%	314,584	313,004	-1,580
869+0,000			33	- 16,901	314,799	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	312,197	9	- 6,100	312,545	-5,00%	8	-	-	-	7	- 3,600	312,670	3,00%	314,530	312,562	-1,968
870+0,000			33	- 17,343	314,749	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	311,704	9	- 6,100	312,053	-5,00%	8	-	-	-	7	- 3,600	312,178	3,00%	314,436	312,070	-2,366
870+18,126		PTV	33	- 17,742	314,660	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	311,215	9	- 6,100	311,563	-5,00%	8	-	-	-	7	- 3,600	311,688	3,00%	314,305	311,580	-2,725
871+0,000			33	- 17,787	314,651	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	311,163	9	- 6,100	311,511	-5,00%	8	-	-	-	7	- 3,600	311,636	3,00%	314,275	311,528	-2,747
872+0,000			33	- 18,256	314,558	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	310,600	9	- 6,100	310,948	-5,00%	8	-	-	-	7	- 3,600	311,073	3,00%	313,923	310,965	-2,958
873+0,000			33	- 18,621	314,361	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	310,038	9	- 6,100	310,386	-5,00%	8	-	-	-	7	- 3,600	310,511	3,00%	313,931	310,403	-3,528
873+13,104			33	- 18,768	314,139	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	309,669	9	- 6,100	310,018	-5,00%	8	-	-	-	7	- 3,600	310,143	3,00%	313,703	310,035	-3,668
874+0,000			33	- 18,848	314,026	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	309,476	9	- 6,100	309,824	-5,00%	8	-	-	-	7	- 3,600	309,949	3,00%	313,581	309,841	-3,741
875+0,000			33	- 19,119	313,734	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	308,913	9	- 6,100	309,261	-5,00%	8	-	-	-	7	- 3,600	309,386	3,00%	313,385	309,278	-4,107
876+0,000			33	- 19,100	313,152	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	308,351	9	- 6,100	308,699	-5,00%	8	-	-	-	7	- 3,600	308,824	3,00%	313,027	308,716	-4,311
877+0,000			33	- 19,217	312,707	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	307,788	9	- 6,100	308,137	-5,00%	8	-	-	-	7	- 3,600	308,262	3,00%	312,416	308,154	-4,262
878+0,000			33	- 19,685	312,613	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	307,226	9	- 6,100	307,574	-5,00%	8	-	-	-	7	- 3,600	307,699	3,00%	311,609	307,591	-4,018
878+15,951			33	- 19,849	312,329	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	306,778	9	- 6,100	307,126	-5,00%	8	-	-	-	7	- 3,600	307,251	3,00%	311,777	307,143	-4,634
879+0,000			33	- 19,849	312,214	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	306,664	9	- 6,100	307,012	-5,00%	8	-	-	-	7	- 3,600	307,137	3,00%	311,658	307,029	-4,629
880+0,000			33	- 19,653	311,456	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	306,101	9	- 6,100	306,450	-5,00%	8	-	-	-	7	- 3,600	306,575	3,00%	311,095	306,467	-4,629
881+0,000			33	- 19,635	310,876	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	305,539	9	- 6,100	305,887	-5,00%	8	-	-	-	7	- 3,600	306,012	3,00%	310,526	305,904	-4,622
882+0,000			33	- 19,560	310,238	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	304,977	9	- 6,100	305,325	-5,00%	8	-	-	-	7	- 3,600	305,450	3,00%	309,890	305,342	-4,548
882+0,061			33	- 19,559	310,236	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	304,975	9	- 6,100	305,323	-5,00%	8	-	-	-	7	- 3,600	305,448	3,00%	309,888	305,340	-4,548
882+12,561	PT		33	- 19,561	309,826	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	304,564	9	- 6,100	304,912	-5,00%	8	-	-	-	7	- 3,600	305,037	1,33%	309,467	304,989	-4,479
883+0,000			33	- 19,557	309,577	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	304,319	9	- 6,100	304,667	-5,00%	8	-	-	-	7	- 3,600	304,792	0,34%	309,193	304,779	-4,414
883+2,561			33	- 19,555	309,491	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	304,234	9	- 6,100	304,582	-5,00%	8	-	-	-	7	- 3,600	304,707	0,00%	309,099	304,707	-4,392
884+0,000			33	- 19,542	308,904	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	303,660	9	- 6,100	304,008	-5,00%	8	-	-	-	7	- 3,600	304,133	-2,33%	308,476	304,217	-4,259
884+5,061			33	- 19,538	308,734	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	303,494	9	- 6,100	303,842	-5,00%	8	-	-	-	7	- 3,600	303,967	-3,00%	308,325	304,075	-4,251
885+0,000			33	- 19,380	308,155	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	303,074	9	- 6,100	303,422	-5,00%	8	-	-	-	7	- 3,600	303,547	-3,00%	307,962	303,655	-4,307
886+0,000			33	- 19,112	307,325	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	302,511	9	- 6,100	302,859	-5,00%	8	-	-	-	7	- 3,600	302,984	-3,00%	307,221	303,092	-4,128
887+0,000			33	- 18,787	306,438	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	301,949	9	- 6,100	302,297	-5,00%	8	-	-	-	7	- 3,600	302,422	-3,00%	306,400	302,530	-3,870
888+0,000			33	- 18,529	305,618	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	301,387	9	- 6,100	301,735	-5,00%	8	-	-	-	7	- 3,600	301,860	-3,00%	305,539	301,968	-3,571
889+0,000			33	- 18,263	304,789	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	300,824	9	- 6,100	301,172	-5,00%	8	-	-	-	7	- 3,600	301,297	-3,00%	304,754	301,405	-3,349
890+0,000			33	- 17,951	303,914	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	300,262	9	- 6,100	300,610	-5,00%	8	-	-	-	7	- 3,600	300,735	-3,00%	303,837	300,843	-2,994
891+0,000			33	- 17,584	302,986	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	299,700	9	- 6,100	300,048	-5,00%	8	-	-	-	7	- 3,600	300,173	-3,00%	302,987	300,281	-2,707
892+0,000			33	- 17,171	302,010	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	299,137	9	- 6,100	299,485	-5,00%	8	-	-	-	7	- 3,600	299,610	-3,00%	302,163	299,718	-2,445
893+0,000			33	- 16,805	301,081	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	298,575	9	- 6,100	298,923	-5,00%	8	-	-	-	7	- 3,600	299,048	-3,00%	301,035	299,156	-1,879
894+0,000		PCV	33	- 16,355	300,069	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	298,012	9	- 6,100	298,361	-5,00%	8	-	-	-	7	- 3,600	298,486	-3,00%	299,989	298,594	-1,396
895+0,000			33	- 15,755	298,954	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	297,496	9	- 6,100	297,844	-5,00%	8	-	-	-	7	- 3,600	297,969	-3,00%	298,922	298,077	-0,844
896+0,000			33	- 15,006	297,781	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	297,073	9	- 6,100	297,421	-5,00%	8	-	-	-	7	- 3,600	297,546	-3,00%	297,823	297,654	-0,169
896+10,000			33	- 14,613	297,210	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	296,896	9	- 6,100	297,244	-5,00%	8	-	-	-	7	- 3,600	297,369	-3,00%	297,274	297,477	0,203
897+0,000			33	- 8,366	296,504	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	297,015	9	- 6,100	297,090	-5,00%	8	-	-	-	7	- 3,600	297,215	-3,00%	296,590	297,323	0,732
898+0,000			33	- 10,200	295,043	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	296,776	9	- 6,100	296,851	-5,00%	8	-	-	-	7	- 3,600	296,976	-3,00%	295,192	297,084	1,892
899+0,000		PTV	33	- 12,706	293,226	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	296,630	9	- 6,100	296,705	-5,00%	8	-	-	-	7	- 3,600	296,830	-3,00%	293,477	296,938	3,460
899+18,083			33	- 15,108	291,534	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	296,539	9	- 6,100	296,614	-5,00%	8	-	-	-	7	- 3,600	296,739	-3,00%	291,900	296,847	4,947
900+0,000			33	- 15,356	291,359	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	296,530	9	- 6,100	296,605	-5,00%	8	-	-	-	7	- 3,600	296,730	-3,00%	291,731	296,838	5,107
900+0,183			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	296,593	9	- 6,100	296,593	-5,00%	8	-	-	-	7	- 3,600	296,719	-3,00%	291,715	296,826	5,111
900+2,283			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	296,593	9	- 6,100	296,593	-5,00%	8	-	-	-	7	- 3,600	296,718	-3,00%	291,530	296,826	5,296
901+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	296,505	9	- 6,100	296,505	-5,00%	8	-	-	-	7	- 3,600	296,630	-3,00%	290,243	296,738	6,494
901+8,083			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	296,464	9	- 6,100	296,464	-5,00%	8	-	-	-	7	- 3,600	296,589	-3,00%	290,637	296,697	6,060
901+10,183			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	- 6,500	296,454	9	- 6,100	296,454	-5,00%	8	-	-	-	7	- 3,600	296,579	-3,00%	290,672	296,687	6,015
901+12,283			33	- 16,051	290,734	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	296,368	9	- 6,100	296,443	-5,00%	8	-	-	-	7	- 3,600	296,568	-3,00%	290,660	296,676	6,016
902+0,000			33	- 16,059	290,690	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	296,330	9	- 6,100	296,405	-5,00%	8	-	-	-	7	- 3,600	296,530	-3,00%	290,619	296,638	6,018
903+0,000			33	- 16,121	290,549	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	296,230	9	- 6,100	296,305	-5,00%	8	-	-	-	7	- 3,600	296,430	-3,00%	290,512	296,538	6,025
904+0,000			33	- 16,068	290,485	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	296,130	9	- 6,100	296,205	-5,00%	8	-	-	-	7	- 3,600	296,330	-3,00%	290,422	296,438	6,016
905+0,000			33	- 15,868	290,518	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	296,030	9	- 6,100	296,105	-5,00%	8	-	-	-	7	- 3,600	296,230	-3,00%	290,322	296,338	6,016
906+0,000			33	- 15,125	290,913	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	295,930	9	- 6,100	296,005	-5,00%	8	-	-	-	7	- 3,600	296,130	-3,00%	290,387	296,238	5,850
907+0,000			33	- 13,610	291,823	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	295,830	9	- 6,100	295,905	-5,00%	8	-	-	-	7	- 3,600	296,030	-3,00%	291,408	296,138	4,730
908+0,000			33	- 12,215	292,653	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	295,730	9	- 6,100	295,805	-5,00%	8	-	-	-	7	- 3,600	295,930	-3,00%	292,420	296,038	3,618
908+10,000		PCV	33	- 11,463	293,105	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	295,680	9	- 6,100	295,755	-5,00%	8	-	-	-	7	- 3,600	295,880	-3,00%	292,911	295,988	3,077
909+0,000			33	- 10,689	293,585	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	295,644	9	- 6,100	295,719	-5,00%	8	-	-	-	7	- 3,600	295,844	-3,00%	293,405	295,952	2,548
909+6,858			33	- 10,212	293,896	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	295,637	9	- 6,100	295,712	-5,00%	8	-	-	-	7	- 3,600	295,837	-3,00%	293,735	295,945	2,210
910+0,000			33	- 9,392	294,469	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	295,663	9	- 6,100	295,738	-5,00%	8	-	-	-	7	- 3,600	295,863	-3,00%	294,316	295,971	1,655
911+0,000			33	- 8,171	295,420	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	295,800	9	- 6,100	295,875	-5,00%	8	-	-	-	7	- 3,600	296,000	-3,00%	295,246	296,108	0,863
911+10,000			33	- 7,623	295,899	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	295,914	9	- 6,100	295,989	-5,00%	8	-	-	-	7	- 3,600	296,114	-3,00%	295,735	296,222	0,487
912+0,000			33	- 8,224	296,381	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	295,756	9	- 6,100	296,131	-5,00%	8	-	-	-	7	- 3,600	296,256	-3,00%	296,224	296,364	0,140
913+0,000			33	- 17,062	297,325	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	296,158	9	- 6,100	296,506	-5,00%	8	-	-	-	7	- 3,600	296,631	-3,00%	297,063	296,739	-0,324
914+0,000			33	- 17,675	298,240	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	296,651	9	- 6,100	296,999	-5,00%	8	-	-	-	7	- 3,600	297,124	-3,00%	297,934	297,232	-0,702
914+10,000		PTV	33	- 17,942	298,716	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	296,942	9	- 6,100	297,290	-5,00%	8	-	-	-	7	- 3,600	297,415	-3,00%	298,413	297,523	-0,890
915+0,000			33	- 18,187	299,192	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	297,248	9	- 6,100	297,596	-5,00%	8	-	-	-	7	- 3,600	297,721	-3,00%	298,892	297,829	-1,063
916+0,000			33	- 18,574	300,076	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	297,860	9	- 6,100	298,208	-5,00%	8	-	-	-	7	- 3,600	298,333	-3,00%	299,716	298,441	-1,275
917+0,000			33	- 18,692	300,780	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	298,472	9	- 6,100	298,820	-5,00%	8	-	-	-	7	- 3,600	298,945	-3,00%	300,494	299,053	-1,442
918+0,000			33	- 18,863	301,520	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	299,083	9	- 6,100	299,432	-5,00%	8	-	-	-	7	- 3,600	299,557	-3,00%	301,283	299,665	-1,619
919+0,000			33	- 19,123	302,318	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	299,695	9	- 6,100	300,043	-5,00%	8	-	-	-	7	- 3,600	300,168	-3,00%	302,062	300,276	-1,786
920+0,000			33	- 19,399	303,128	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	300,307	9	- 6,100	300,655	-5,00%	8	-	-	-	7	- 3,600	300,780	-3,00%	302,886	300,888	-1,998
921+0,000			33	- 19,531	303,841	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	300,919	9	- 6,100	301,267	-5,00%	8	-	-	-	7	- 3,600	301,392	-3,00%	303,576	301,500	-2,076
922+0,000			33	- 19,648	304,545	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	301,531	9	- 6,100	301,879	-5,00%	8	-	-	-	7	- 3,600	302,004	-3,00%	304,239	302,112	-2,127
923+0,000			33	- 19,774	305,255	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	302,143	9	- 6,100	302,491	-5,00%	8	-	-	-	7	- 3,600	302,616	-3,00%	304,970	302,724	-2,246
924+0,000			33	- 19,753	305,866	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	302,754	9	- 6,100	303,103	-5,00%	8	-	-	-	7	- 3,600	303,228	-3,00%	305,608	303,336	-2,273
925+0,000			33	- 19,769	306,503	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	303,366	9	- 6,100	303,714	-5,00%	8	-	-	-	7	- 3,600	303,839	-3,00%	306,192	303,947	-2,245
926+0,000			33	- 19,673	307,064	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	303,978	9	- 6,100	304,326	-5,00%	8	-	-	-	7	- 3,600	304,451	-3,00%	306,693	304,559	-2,133
927+0,000			33	- 19,704	307,710	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	304,590	9	- 6,100	304,938	-5,00%	8	-	-	-	7	- 3,600	305,063	-3,00%	307,359	305,171	-2,188
928+0,000			33	- 19,539	308,226	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	305,202	9	- 6,100	305,550	-5,00%	8	-	-	-	7	- 3,600	305,675	-3,00%	307,951	305,783	-2,168
929+0,000			33	- 19,424	308,775	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	305,814	9	- 6,100	306,162	-5,00%	8	-	-	-	7	- 3,600	306,287	-3,00%	308,436	306,395	-2,041
930+0,000			33	- 19,305	309,320	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	306,425	9	- 6,100	306,774	-5,00%	8	-	-	-	7	- 3,600	306,899	-3,00%	308,941	307,007	-1,934
931+0,000			33	- 19,108	309,815	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	307,037	9	- 6,100	307,385	-5,00%	8	-	-	-	7	- 3,600	307,510	-3,00%	309,546	307,618	-1,927
932+0,000			33	- 18,773	310,217	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	307,649	9	- 6,100	307,997	-5,00%	8	-	-	-	7	- 3,600	308,122	-3,00%	310,014	308,230	-1,784
933+0,000			33	- 18,395	310,591	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	308,261	9	- 6,100	308,609	-5,00%	8	-	-	-	7	- 3,600	308,734	-3,00%	310,346	308,842	-1,504
934+0,000			33	- 18,017	310,964	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	308,873	9	- 6,100	309,221	-5,00%	8	-	-	-	7	- 3,600	309,346	-3,00%	310,683	309,454	-1,229
934+15,000		PCV	33	- 17,806	311,293	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	309,332	9	- 6,100	309,680	-5,00%	8	-	-	-	7	- 3,600	309,805	-3,00%	311,001	309,913	-1,089
935+0,000			33	- 17,723	311,392	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	309,483	9	- 6,100	309,831	-5,00%	8	-	-	-	7	- 3,600	309,956	-3,00%	311,110	310,064	-1,046
936+0,000			33	- 17,573	311,879	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	310,056	9	- 6,100	310,405	-5,00%	8	-	-	-	7	- 3,600	310,530	-3,00%	311,647	310,638	-1,010
937+0,000			33	- 18,037	312,724	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	310,579	9	- 6,100	310,927	-5,00%	8	-	-	-	7	- 3,600	311,052	-3,00%	311,966	311,160	-0,806
938+0,000			33	- 16,862	312,426	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	311,050	9	- 6,100	311,398	-5,00%	8	-	-	-	7	- 3,600	311,523	-3,00%	312,206	311,631	-0,575
939+0,000			33	- 16,478	312,604	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	311,470	9	- 6,100	311,818	-5,00%	8	-	-	-	7	- 3,600	311,943	-3,00%	312,446	312,051	-0,395
939+15,000			33	- 16,244	312,739	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	311,751	9	- 6,100	312,099	-5,00%	8	-	-	-	7	- 3,600	312,224	-3,00%	312,591	312,332	-0,259
940+0,000			33	- 16,162	312,775	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	311,838	9	- 6,100	312,186	-5,00%	8	-	-	-	7	- 3,600	312,311	-3,00%	312,637	312,419	-0,217
941+0,000			33	- 15,874	312,914	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	312,156	9	- 6,100	312,504	-5,00%	8	-	-	-	7	- 3,600	312,629	-3,00%	312,757	312,737	-0,020
942+0,000			33	- 15,562	312,987	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,492	312,422	9	- 6,100	312,770	-5,00%	8	-	-	-	7	- 3,600	312,895	-3,00%	312,811	313,003	0,193
943+0,000			33	- 7,927	312,937	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	312,611	9	- 6,100	312,986	-5,00%	8	-	-	-	7	- 3,600	313,111	-3,00%	312,851	313,219	0,367
944+0,000			33	- 7,699	313,008	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	313,074	9	- 6,100	313,149	-5,00%	8	-	-	-	7	- 3,600	313,274	-3,00%	312,977	313,382	0,406
944+15,000		PTV	33	- 7,822	313,016	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	313,164	9	- 6,100	313,239	-5,00%	8	-	-	-	7	- 3,600	313,364	-3,00%	312,951	313,472	0,521
945+0,000			33	- 7,879	313,003	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	313,189	9	- 6,100	313,264	-5,00%	8	-	-	-	7	- 3,600	313,389	-3,00%	312,938	313,497	0,559
946+0,000			33	- 7,981	313,035	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	313,289	9	- 6,100	313,364	-5,00%	8	-	-	-	7	- 3,600	313,489	-3,00%	312,898	313,597	0,699
947+0,000			33	- 8,062	313,081	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	313,389	9	- 6,100	313,464	-5,00%	8	-	-	-	7	- 3,600	313,589	-3,00%	312,930	313,697	0,767
948+0,000			33	- 8,346	312,992	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	313,489	9	- 6,100	313,564	-5,00%	8	-	-	-	7	- 3,600	313,689	-3,00%	312,935	313,797	0,862
948+11,347			33	- 8,443	312,984	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	313,546	9	- 6,100	313,621	-5,00%	8	-	-	-	7	- 3,600	313,746	-3,00%	312,922	313,854	0,932
DISPOSITIVO EST.965+0,000 - EST.948+11,347 a EST. 985+14,054																																			
985+14,054			33	- 8,114	306,166	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	305,651	9	- 6,100	306,026	-5,00%	8	-	-	-	7	- 3,600	306,151	-3,00%	305,968	306,259	0,292

LADO DIREITO – PLATAFORMA ACABADA / ALTURAS DOS TALUDES

ESTACA	Bordo da pista P.	Dist.	Cota	Decliv.	Faixa de Aceleração ou Desaceleração P.	Dist.	Cota	Decliv.	Acostamento / Faixa de Segurança / Concordância de Pista P.	Dist.	Cota	Decliv.	Fundo canaleta / Barreira P.	Dist.	Cota	Inicio da Primeira Berma / Encontro de Talude P.	Dist.	Cota	Fim da Primeira Berma P.	Dist.	Cota	Inicio da Segunda Berma P.	Dist.	Cota	Fim da Segunda Berma P.	Dist.	Cota	Talude P.	Dist.	Cota	LE	LD
850+5,000	7	3,600	315,776	-3,00%	8	-	-	-	9	6,100	315,651	-5,00%	10	7,492	315,303	15	-	-	16	-	-	17	-	-	18	-	-	33	34,611	315,016	-1,4	-0,5
851+0,000	7	3,600	315,838	-3,00%	8	-	-	-	9	6,100	315,713	-5,00%	10	7,492	315,365	15	-	-	16	-	-	17	-	-	18	-	-	33	34,503	314,969	-1,3	-0,4
852+0,000	7	3,600	315,874	-3,00%	8	-	-	-	9	6,100	315,749	-5,00%	10	7,492	315,401	15	-	-	16	-	-	17	-	-	18	-	-	33	34,414	314,916	-1,1	-0,3
852+3,550	7	3,600	315,874	-3,00%	8	-	-	-	9	6,100	315,749	-5,00%	10	7,492	315,401	15	-	-	16	-	-	17	-	-	18	-	-	33	34,397	314,900	-1,0	-0,3
852+15,000	7	3,600	315,866	-3,00%	8	-	-	-	9	6,100	315,741	-5,00%	10	7,492	315,393	15	-	-	16	-	-	17	-	-	18	-	-	33	34,355	314,850	-0,9	-0,3
853+0,000	7	3,600	315,857	-3,00%	8	-	-	-	9	6,100	315,732	-5,00%	10	7,492	315,383	15	-	-	16	-	-	17	-	-	18	-	-	33	34,342	314,827	-0,9	-0,2
854+0,000	7	3,600	315,786	-3,00%	8	-	-	-	9	6,100	315,661	-5,00%	10	7,492	315,313	15	-	-	16	-	-	17	-	-	18	-	-	33	34,330	314,745	-0,8	-0,2
855+0,000	7	3,600	315,663	-3,00%	8	-	-	-	9	6,100	315,538	-5,00%	10	7,492	315,190	15	-	-	16	-	-	17	-	-	18	-	-	33	34,372	314,663	-0,8	-0,3
855+5,000	7	3,600	315,624	-3,00%	8	-	-	-	9	6,100	315,499	-5,00%	10	7,492	315,151	15	-	-	16	-	-	17	-	-	18	-	-	33	34,393	314,646	-0,8	-0,3
856+0,000	7	3,600	315,501	-3,00%	8	-	-	-	9	6,100	315,376	-5,00%	10	7,492	315,028	15	-	-	16	-	-	17	-	-	18	-	-	33	34,428	314,558	-0,8	-0,3
857+0,000	7	3,600	315,338	-3,00%	8	-	-	-	9	6,100	315,213	-5,00%	10	7,492	314,865	15	-	-	16	-	-	17	-	-	18	-	-	33	34,471	314,438	-0,9	-0,4
858+0,000	7	3,600	315,175	-3,00%	8	-	-	-	9	6,100	315,050	-5,00%	10	7,492	314,702	15	-	-	16	-	-	17	-	-	18	-	-	33	34,515	314,319	-0,9	-0,4
859+0,000	7	3,600	315,012	-3,00%	8	-	-	-	9	6,100	314,887	-5,00%	10	7,492	314,539	15	-	-	16	-	-	17	-	-	18	-	-	33	34,616	314,257	-1,0	-0,5
860+0,000	7	3,600	314,849	-3,00%	8	-	-	-	9	6,100	314,724	-5,00%	10	7,492	314,376	15	-	-	16	-	-	17	-	-	18	-	-	33	34,733	314,211	-0,9	-0,6
861+0,000	7	3,600	314,686	-3,00%	8	-	-	-	9	6,100	314,561	-5,00%	10	7,492	314,213	15	-	-	16	-	-	17	-	-	18	-	-	33	34,850	314,164	-1,0	-0,7
862+0,000	7	3,600	314,523	-3,00%	8	-	-	-	9	6,100	314,398	-5,00%	10	7,492	314,049	15	-	-	16	-	-	17	-	-	18	-	-	33	35,139	314,291	-1,3	-1,0
862+10,849	7	3,600	314,434	-3,00%	8	-	-	-	9	6,100	314,309	-5,00%	10	7,492	313,961	15	-	-	16	-	-	17	-	-	18	-	-	33	35,398	314,461	-1,4	-1,3
862+18,126	7	3,600	314,375	-3,00%	8	-	-	-	9	6,100	314,250	-5,00%	10	7,492	313,902	15	-	-	16	-	-	17	-	-	18	-	-	33	35,572	314,575	-1,4	-1,5
863+0,000	7	3,600	314,359	-3,00%	8	-	-	-	9	6,100	314,234	-5,00%	10	7,492	313,886	15	-	-	16	-	-	17	-	-	18	-	-	33	35,617	314,605	-1,4	-1,5
863+1,147	7	3,600	314,349	-3,00%	8	-	-	-	9	6,100	314,224	-5,00%	10	7,492	313,876	15	-	-	16	-	-	17	-	-	18	-	-	33	35,639	314,617	-1,4	-1,5
864+0,000	7	3,600	314,166	-3,00%	8	-	-	-	9	6,100	314,041	-5,00%	10	7,492	313,693	15	-	-	16	-	-	17	-	-	18	-	-	33	35,935	314,730	-1,5	-1,8
864+3,647	7	3,600	314,126	-3,00%	8	-	-	-	9	6,100	314,001	-5,00%	10	7,492	313,653	15	-	-	16	-	-	17	-	-	18	-	-	33	35,997	314,752	-1,6	-1,9
864+13,647	7	3,600	314,006	-3,00%	8	-	-	-	9	6,100	313,881	-5,00%	10	7,492	313,533	15	-	-	16	-	-	17	-	-	18	-	-	33	36,175	314,810	-1,6	-2,1
865+0,000	7	3,600	313,924	-3,00%	8	-	-	-	9	6,100	313,799	-5,00%	10	7,492	313,450	15	-	-	16	-	-	17	-	-	18	-	-	33	36,248	314,800	-1,6	-2,1
865+6,147	7	3,600	313,839	-3,00%	8	-	-	-	9	6,100	313,714	-5,00%	10	7,492	313,366	15	-	-	16	-	-	17	-	-	18	-	-	33	36,285	314,752	-1,7	-2,2
866+0,000	7	3,600	313,631	-3,00%	8	-	-	-	9	6,100	313,506	-5,00%	10	7,492	313,158	15	-	-	16	-	-	17	-	-	18	-	-	33	36,204	314,463	-1,8	-2,1
866+18,126	7	3,600	313,323	-3,00%	8	-	-	-	9	6,100	313,198	-5,00%	10	7,492	312,850	15	-	-	16	-	-	17	-	-	18	-	-	33	36,035	313,987	-2,0	-1,9
867+0,000	7	3,600	313,288	-3,00%	8	-	-	-	9	6,100	313,163	-5,00%	10	7,492	312,815	15	-	-	16	-	-	17	-	-	18	-	-	33	36,044	313,961	-2,0	-1,9
868+0,000	7	3,600	312,896	-3,00%	8	-	-	-	9	6,100	312,771	-5,00%	10	7,492	312,423	15	-	-	16	-	-	17	-	-	18	-	-	33	36,365	313,890	-2,4	-2,3
869+0,000	7	3,600	312,454	-3,00%	8	-	-	-	9	6,100	312,329	-5,00%	10	7,492	311,981	15	-	-	16	-	-	17	-	-	18	-	-	33	36,776	313,858	-2,8	-2,7
870+0,000	7	3,600	311,962	-3,00%	8	-	-	-	9	6,100	311,837	-5,00%	10	7,492	311,488	15	-	-	16	-	-	17	-	-	18	-	-	33	37,090	313,680	-3,2	-3,0
870+18,126	7	3,600	311,472	-3,00%	8	-	-	-	9	6,100	311,347	-5,00%	10	7,492	310,999	15	-	-	16	-	-	17	-	-	18	-	-	33	37,395	313,497	-3,6	-3,3
871+0,000	7	3,600	311,420	-3,00%	8	-	-	-	9	6,100	311,295	-5,00%	10	7,492	310,947	15	-	-	16	-	-	17	-	-	18	-	-	33	37,429	313,477	-3,7	-3,3
872+0,000	7	3,600	310,857	-3,00%	8	-	-	-	9	6,100	310,732	-5,00%	10	7,492	310,384	15	-	-	16	-	-	17	-	-	18	-	-	33	37,783	313,269	-4,2	-3,7
873+0,000	7	3,600	310,295	-3,00%	8	-	-	-	9	6,100	310,170	-5,00%	10	7,492	309,822	15	-	-	16	-	-	17	-	-	18	-	-	33	38,132	313,056	-4,5	-4,0
873+13,104	7	3,600	309,927	-3,00%	8	-	-	-	9	6,100	309,802	-5,00%	10	7,492	309,453	15	-	-	16	-	-	17	-	-	18	-	-	33	38,328	312,883	-4,7	-4,2
874+0,000	7	3,600	309,733	-3,00%	8	-	-	-	9	6,100	309,608	-5,00%	10	7,492	309,260	15	-	-	16	-	-	17	-	-	18	-	-	33	38,426	312,787	-4,7	-4,3
875+0,000	7	3,600	309,170	-3,00%	8	-	-	-	9	6,100	309,045	-5,00%	10	7,492	308,697	15	-	-	16	-	-	17	-	-	18	-	-	33	38,708	312,507	-5,0	-4,6
876+0,000	7	3,600	308,608	-3,00%	8	-	-	-	9	6,100	308,483	-5,00%	10	7,492	308,135	15	-	-	16	-	-	17	-	-	18	-	-	33	38,901	312,137	-5,0	-4,8
877+0,000	7	3,600	308,046	-3,00%	8	-	-	-	9	6,100	307,921	-5,00%	10	7,492	307,572	15	-	-	16	-	-	17	-	-	18	-	-	33	38,922	311,596	-5,1	-4,8
878+0,000	7	3,600	307,483	-3,00%	8	-	-	-	9	6,100	307,358	-5,00%	10	7,492	307,010	15	-	-	16	-	-	17	-	-	18	-	-	33	38,993	311,105	-5,6	-4,9
878+15,951	7	3,600	307,035	-3,00%	8	-	-	-	9	6,100	306,910	-5,00%	10	7,492	306,584	15	-	-	16	-	-	17	-	-	18	-	-	33	39,048	310,712	-5,8	-4,9
879+0,000	7	3,600	306,921	-3,00%	8	-	-	-	9	6,100	306,796	-5,00%	10	7,492	306,448	15	-	-	16	-	-	17	-	-	18	-	-	33	39,013	310,563	-5,7	-4,9
880+0,000	7	3,600	306,359	-3,00%	8	-	-	-	9	6,100	306,234	-5,00%	10	7,492	305,885	15	-	-	16	-	-	17	-	-	18	-	-	33	39,169	310,156	-5,6	-5,1
881+0,000	7	3,600	305,796	-3,00%	8	-	-	-	9	6,100	305,671	-5,00%	10	7,492	305,323	15	-	-	16	-	-	17	-	-	18	-	-	33	39,269	309,693	-5,5	-5,2
882+0,000	7	3,600	305,234	-3,00%	8	-	-	-	9	6,100	305,109	-5,00%	10	7,492	304,761	15	-	-	16	-	-	17	-	-	18	-	-	33	39,366	309,229	-5,5	-5,3
882+0,061	7	3,600	305,232	-3,00%	8	-	-	-	9	6,100	305,107	-5,00%	10	7,492	304,759	15	-	-	16	-	-	17	-	-	18	-	-	33	39,366	309,227	-5,5	-5,3
882+12,561	7	3,600	304,881	-3,00%	8	-	-	-	9	6,100	304,756	-5,00%	10	7,492	304,408	15	-	-	16	-	-	17	-	-	18	-	-	33	39,347	308,857	-5,5	-5,2
883+0,000	7	3,600	304,671	-3,00%	8	-	-	-	9	6,100	304,546	-5,00%	10	7,492	304,198	15	-	-	16	-	-	17	-	-	18	-	-	33	39,314	308,614	-5,5	-5,2
883+2,561	7	3,600	304,599	-3,00%	8	-	-	-	9	6,100	304,474	-5,00%	10	7,492	304,126	15	-	-	16	-	-	17	-	-	18	-	-	33	39,303	308,531	-5,5	-5,2
884+0,000	7	3,600	304,109	-3,00%	8	-	-	-	9	6,100	303,984	-5,00%	10	7,492	303,636	15	-	-	16	-	-	17	-	-	18	-	-	33	39,224	307,961	-5,4	-5,1
884+5,061	7	3,600	303,967	-3,00%	8	-	-	-	9	6,100	303,842	-5,00%	10	7,492	303,494	15	-	-	16	-	-	17	-	-	18	-	-	33	39,200	307,796	-5,4	-5,1
885+0,000	7	3,600	303,547	-3,00%	8	-	-	-	9	6,100	303,422	-5,00%	10	7,492	303,074	15	-	-	16	-	-	17	-	-	18	-	-	33	39,114	307,290	-5,3	-5,0
886+0,000	7	3,600	302,984	-3,00%	8	-	-	-	9	6,100	302,859	-5,00%	10	7,492	302,511	15	-	-	16	-	-	17	-	-	18	-	-	33	38,963	306,577	-5,0	-4,9
887+0,000	7	3,600	302,422	-3,00%	8	-	-	-	9	6,100	302,297	-5,00%	10	7,492	301,949	15	-	-	16	-	-	17	-	-	18	-	-	33	38,813	305,863	-4,7	-4,7
888+0,000	7	3,600	301,860	-3,00%	8	-	-	-	9	6,100	301,735	-5,00%	10	7,492	301,387	15	-	-	16	-	-	17	-	-	18	-	-	33	38,662	305,150	-4,4	-4,6
889+0,000	7	3,600	301,297	-3,00%	8	-	-	-	9	6,100	301,172	-5,00%	10	7,492	300,824	15	-	-	16	-	-	17	-	-	18	-	-	33	38,329	304,255	-4,2	-4,2
890+0,000	7	3,600	300,735	-3,00%	8	-	-	-	9	6,100	300,610	-5,00%	10	7,492	300,262	15	-	-	16	-	-	17	-	-	18	-	-	33	37,250	302,614	-3,9	-3,1
891+0,000	7	3,600	300,173	-3,00%	8	-	-	-	9	6,100	300,048	-5,00%	10	7,492	299,700	15	-	-	16	-	-	17	-	-	18	-	-	33	37,488	302,289	-3,5	-3,4
892+0,000	7	3,600	299,610	-3,00%	8	-	-	-	9	6,100	299,485	-5,00%	10	7,492	299,137	15	-	-	16	-	-	17	-	-	18	-	-	33	37,510	301,748	-3,1	-3,4
893+0,000	7	3,600	299,048	-3,00%	8	-	-	-	9	6,100	298,923	-5,00%	10	7,492	298,575	15	-	-	16	-	-	17	-	-	18	-	-	33	37,244	300,920	-2,7	-3,1
894+0,000	7	3,600	298,486	-3,00%	8	-	-	-	9	6,100	298,361	-5,00%	10	7,492	298,012	15	-	-	16	-	-	17	-	-	18	-	-	33	36,828	299,942	-2,3	-2,7
895+0,000	7	3,600	297,969	-3,00%	8	-	-	-	9	6,100	297,844	-5,00%	10	7,492	297,496	15	-	-	16	-	-	17	-	-	18	-	-	33	36,327	298,925	-1,7	-2,2
896+0,000	7	3,600	297,546	-3,00%	8	-	-	-	9	6,100	297,421	-5,00%	10	7,492	297,073	15	-	-	16	-	-	17	-	-	18	-	-	33	35,692	297,866	-0,9	-1,6
896+10,000	7	3,600	297,369	-3,00%	8	-	-	-	9	6,100	297,244	-5,00%	10	7,492	296,896	15	-	-	16	-	-	17	-	-	18	-	-	33	35,340	297,337	-0,5	-1,2
897+0,000	7	3,600	297,215	-3,00%	8	-	-	-	9	6,100	297,090	-5,00%	10	7,600	297,015	15	-	-	16	-	-	17	-	-	18	-	-	33	8,137	296,657	0,5	0,4
898+0,000	7	3,600	296,976	-3,00%	8	-	-	-	9	6,100	296,851	-5,00%	10	7,600	296,776	15	-	-	16	-	-	17	-	-	18	-	-	33	9,834	295,286	1,7	1,5
899+0,000	7	3,600	296,830	-3,00%	8	-	-	-	9	6,100	296,705	-5,00%	10	7,600	296,630	15	-	-	16	-	-	17	-	-	18	-	-	33	12,075	293,646	3,4	3,0
899+18,083	7	3,600	296,739	-3,00%	8	-	-	-	9	6,100	296,614	-5,00%	10	7,600	296,539	15	-	-	16	-	-	17	-	-	18	-	-	33	14,120	292,192	5,0	4,3
900+0,000	7	3,600	296,730	-3,00%	8	-	-	-	9	6,100	296,605	-5,00%	10	7,600	296,530	15	-	-	16	-	-	17	-	-	18	-	-	33	14,340	292,036	5,2	4,5
900+0,183	7	3,600	296,718	-3,00%	8	-	-	-	9	6,100	296,593	-5,00%	10	6,500	296,593	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
900+2,283	7	3,600	296,718	-3,00%	8	-	-	-	9	6,100	296,593	-5,00%	10	6,500	296,593	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
901+0,000	7	3,600	296,630	-3,00%	8	-	-	-	9	6,100	296,505	-5,00%	10	7,600	296,505	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
901+8,083	7	3,600	296,589	-3,00%	8	-	-	-	9	6,100	296,464	-5,00%	10	6,500	296,464	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
901+10,183	7	3,600	296,579	-3,00%	8	-	-	-	9	6,100	296,454	-5,00%	10	6,500	296,454	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
901+12,283	7	3,600	296,568	-3,00%	8	-	-	-	9	6,100	296,443	-5,00%	10	7,600	296,368	15	-	-	16	-	-	17	-	-	18	-	-	33	16,655	290,331	5,6	6,0
902+0,000	7	3,600	296,530	-3,00%	8	-	-	-	9	6,100	296,405	-5,00%	10	7,600	296,330	15	-	-	16	-	-	17	-	-	18	-	-	33	16,490	290,403	5,6	5,9
903+0,000	7	3,600	296,430	-3,00%	8	-	-	-	9	6,100	296,305	-5,00%	10	7,600	296,230	15	-	-	16	-	-	17	-	-	18	-	-	33	16,164	290,520	5,7	5,7
904+0,000	7	3,600	296,330	-3,00%	8	-	-	-	9	6,100	296,205	-5,00%	10	7,600	296,130	15	-	-	16	-	-	17	-	-	18	-	-	33	16,122	290,448	5,6	5,7
905+0,000	7	3,600	296,230	-3,00%	8	-	-	-	9	6,100	296,105	-5,00%	10	7,600	296,030	15	-	-	16	-	-	17	-	-	18	-	-	33	16,083	290,374	5,5	5,7
906+0,000	7	3,600	296,130	-3,00%	8	-	-	-	9	6,100	296,005	-5,00%	10	7,600	295,930	15	-	-	16	-	-	17	-	-	18	-	-	33	15,960	290,356	5,0	5,6
907+0,000	7	3,600	296,030	-3,00%	8	-	-	-	9	6,100	295,905	-5,00%	10	7,600	295,830	15	-	-	16	-	-	17	-	-	18	-	-	33	14,543	291,201	4,0	4,6
908+0,000	7	3,600	295,930	-3,00%	8	-	-	-	9	6,100	295,805	-5,00%	10	7,600	295,730	15	-	-	16	-	-	17	-	-	18	-	-	33	12,952	292,162	3,1	3,6
908+10,000	7	3,600	295,880	-3,00%	8	-	-	-	9	6,100	295,755	-5,00%	10	7,600	295,680	15	-	-	16	-	-	17	-	-	18	-	-	33	12,096	292,682	2,6	3,0
909+0,000	7	3,600	295,844	-3,00%	8	-	-	-	9	6,100	295,719	-5,00%	10	7,600	295,644	15	-	-	16	-	-	17	-	-	18	-	-	33	11,263	293,202	2,1	2,4
909+6,858	7	3,600	295,837	-3,00%	8	-	-	-	9	6,100	295,712	-5,00%	10	7,600	295,637	15	-	-	16	-	-	17	-	-	18	-	-	33	10,735	293,548	1,7	2,1
910+0,000	7	3,600	295,863	-3,00%	8	-	-	-	9	6,100	295,738	-5,00%	10	7,600	295,663	15	-	-	16	-	-	17	-	-	18	-	-	33	9,826	294,179	1,2	1,5
911+0,000	7	3,600	296,000	-3,00%	8	-	-	-	9	6,100	295,875	-5,00%	10	7,600	295,800	15	-	-	16	-	-	17	-	-	18	-	-	33	8,604	295,131	0,4	0,7
911+10,000	7	3,600	296,114	-3,00%	8	-	-	-	9	6,100	295,989	-5,00%	10	7,600	295,914	15	-	-	16	-	-	17	-	-	18	-	-	33	8,082	295,592	0,0	0,3
912+0,000	7	3,600	296,256	-3,00%	8	-	-	-	9	6,100	296,131	-5,00%	10	7,600	296,056	15	-	-	16	-	-	17	-	-	18	-	-	33	7,606	296,052	-0,6	0,0
913+0,000	7	3,600	296,631	-3,00%	8	-	-	-	9	6,100	296,506	-5,00%	10	7,492	296,158	15	-	-	16	-	-	17	-	-	18	-	-	33	36,114	296,354	-1,4	-1,0
914+0,000	7	3,600	297,124	-3,00%	8	-	-	-	9	6,100	296,999	-5,00%	10	7,492	296,651	15	-	-	16	-	-	17	-	-	18	-	-	33	36,704	297,240	-1,8	-1,4
914+10,000	7	3,600	297,415	-3,00%	8	-	-	-	9	6,100	297,290	-5,00%	10	7,492	296,942	15	-	-	16	-	-	17	-	-	18	-	-	33	36,962	297,704	-2,0	-1,6
915+0,000	7	3,600	297,721	-3,00%	8	-	-	-	9	6,100	297,596	-5,00%	10	7,492	297,248	15	-	-	16	-	-	17	-	-	18	-	-	33	37,196	298,165	-2,2	-1,7
916+0,000	7	3,600	298,333	-3,00%	8	-	-	-	9	6,100	298,208	-5,00%	10	7,492	297,860	15	-	-	16	-	-	17	-	-	18	-	-	33	37,763	299,155	-2,4	-2,1
917+0,000	7	3,600	298,945	-3,00%	8	-	-	-	9	6,100	298,820	-5,00%	10	7,492	298,472	15	-	-	16	-	-	17	-	-	18	-	-	33	38,364	300,168	-2,5	-2,5
918+0,000	7	3,600	299,557	-3,00%	8	-	-	-	9	6,100	299,432	-5,00%	10	7,492	299,083	15	-	-	16	-	-	17	-	-	18	-	-	33	38,293	300,732	-2,7	-2,5
919+0,000	7	3,600	300,168	-3,00%	8	-	-	-	9	6,100	300,043	-5,00%	10	7,492	299,695	15	-	-	16	-	-	17	-	-	18	-	-	33	38,444	301,445	-2,8	-2,6
920+0,000	7	3,600	300,780	-3,00%	8	-	-	-	9	6,100	300,655	-5,00%	10	7,492	300,307	15	-	-	16	-	-	17	-	-	18	-	-	33	38,518	302,106	-3,0	-2,6
921+0,000	7	3,600	301,392	-3,00%	8	-	-	-	9	6,100	301,267	-5,00%	10	7,492	300,919	15	-	-	16	-	-	17	-	-	18	-	-	33	38,625	302,789	-3,1	-2,7
922+0,000	7	3,600	302,004	-3,00%	8	-	-	-	9	6,100	301,879	-5,00%	10	7,492	301,531	15	-	-	16	-	-	17	-	-	18	-	-	33	38,755	303,487	-3,2	-2,8
923+0,000	7	3,600	302,616	-3,00%	8	-	-	-	9	6,100	302,491	-5,00%	10	7,492	302,143	15	-	-	16	-	-	17	-	-	18	-	-	33	38,914	304,205	-3,3	-2,9
924+0,000	7	3,600	303,228	-3,00%	8	-	-	-	9	6,100	303,103	-5,00%	10	7,492	302,754	15	-	-	16	-	-	17	-	-	18	-	-	33	38,905	304,811	-3,3	-2,9
925+0,000	7	3,600	303,839	-3,00%	8	-	-	-	9	6,100	303,714	-5,00%	10	7,492	303,366	15	-	-	16	-	-	17	-	-	18	-	-	33	38,954	305,456	-3,4	-2,9
926+0,000	7	3,600	304,451	-3,00%	8	-	-	-	9	6,100	304,326	-5,00%	10	7,492	303,978	15	-	-	16	-	-	17	-	-	18	-	-	33	38,999	306,097	-3,3	-2,9
927+0,000	7	3,600	305,063	-3,00%	8	-	-	-	9	6,100	304,938	-5,00%	10	7,492	304,590	15	-	-	16	-	-	17	-	-	18	-	-	33	38,954	306,680	-3,3	-2,9
928+0,000	7	3,600	305,675	-3,00%	8	-	-	-	9	6,100	305,550	-5,00%	10	7,492	305,202	15	-	-	16	-	-	17	-	-	18	-	-	33	38,922	307,270	-3,2	-2,9
929+0,000	7	3,600	306,287	-3,00%	8	-	-	-	9	6,100	306,162	-5,00%	10	7,492	305,814	15	-	-	16	-	-	17	-	-	18	-	-	33	38,909	307,873	-3,2	-2,9
930+0,000	7	3,600	306,899	-3,00%	8	-	-	-	9	6,100	306,774	-5,00%	10	7,492	306,425	15	-	-	16	-	-	17	-	-	18	-	-	33	38,713	308,354	-3,1	-2,7
931+0,000	7	3,600	307,510	-3,00%	8	-	-	-	9	6,100	307,385	-5,00%	10	7,492	307,037	15	-	-	16	-	-	17	-	-	18	-	-	33	38,299	308,690	-3,0	-2,5
932+0,000	7	3,600	308,122	-3,00%	8	-	-	-	9	6,100	307,997	-5,00%	10	7,492	307,649	15	-	-	16	-	-	17	-	-	18	-	-	33	38,030	309,122	-2,8	-2,3
933+0,000	7	3,600	308,734	-3,00%	8	-	-	-	9	6,100	308,609	-5,00%	10	7,492	308,261	15	-	-	16	-	-	17	-	-	18	-	-	33	37,774	309,564	-2,5	-2,1
934+0,000	7	3,600	309,346	-3,00%	8	-	-	-	9	6,100	309,221	-5,00%	10	7,492	308,873	15	-	-	16	-	-	17	-	-	18	-	-	33	37,533	310,015	-2,3	-2,0
934+15,000	7	3,600	309,805	-3,00%	8	-	-	-	9	6,100	309,680	-5,00%	10	7,492	309,332	15	-	-	16	-	-	17	-	-	18	-	-	33	37,368	310,364	-2,2	-1,8
935+0,000	7	3,600	309,956	-3,00%	8	-	-	-	9	6,100	309,831	-5,00%	10	7,492	309,483	15	-	-	16	-	-	17	-	-	18	-	-	33	37,315	310,480	-2,1	-1,8
936+0,000	7	3,600	310,530	-3,00%	8	-	-	-	9	6,100	310,405	-5,00%	10	7,492	310,056	15	-	-	16	-	-	17	-	-	18	-	-	33	37,263	311,019	-2,0	-1,8
937+0,000	7	3,600	311,052	-3,00%	8	-	-	-	9	6,100	310,927	-5,00%	10	7,492	310,579	15	-	-	16	-	-	17	-	-	18	-	-	33	36,981	311,353	-2,4	-1,6
938+0,000	7	3,600	311,523	-3,00%	8	-	-	-	9	6,100	311,398	-5,00%	10	7,492	311,050	15	-	-	16	-	-	17	-	-	18	-	-	33	36,687	311,628	-1,6	-1,4
939+0,000	7	3,600	311,943	-3,00%	8	-	-	-	9	6,100	311,818	-5,00%	10	7,492	311,470	15	-	-	16	-	-	17	-	-	18	-	-	33	36,411	311,864	-1,3	-1,2
939+15,000	7	3,600	312,224	-3,00%	8	-	-	-	9	6,100	312,099	-5,00%	10	7,492	311,751	15	-	-	16	-	-	17	-	-	18	-	-	33	36,138	311,963	-1,2	-1,0
940+0,000	7	3,600	312,311	-3,00%	8	-	-	-	9	6,100	312,186	-5,00%	10	7,492	311,838	15	-	-	16	-	-	17	-	-	18	-	-	33	36,057	311,997	-1,1	-1,0
941+0,000	7	3,600	312,629	-3,00%	8	-	-	-	9	6,100	312,504	-5,00%	10	7,492	312,156	15	-	-	16	-	-	17	-	-	18	-	-	33	35,780	312,129	-1,0	-0,8
942+0,000	7	3,600	312,895	-3,00%	8	-	-	-	9	6,100	312,770	-5,00%	10	7,492	312,422	15	-	-	16	-	-	17	-	-	18	-	-	33	35,399	312,141	-0,8	-0,5
943+0,000	7	3,600	313,111	-3,00%	8	-	-	-	9	6,100	312,986	-5,00%	10	7,600	312,911	15	-	-	16	-	-	17	-	-	18	-	-	33	7,810	312,771	-0,3	0,1
944+0,000	7	3,600	313,274	-3,00%	8	-	-	-	9	6,100	313,149	-5,00%	10	7,600	313,074	15	-	-	16	-	-	17	-	-	18	-	-	33	7,973	312,826	0,1	0,2
944+15,000	7	3,600	313,364	-3,00%	8	-	-	-	9	6,100	313,239	-5,00%	10	7,600	313,164	15	-	-	16	-	-	17	-	-	18	-	-	33	8,081	312,843	0,1	0,3
945+0,000	7	3,600	313,389	-3,00%	8	-	-	-	9	6,100	313,264	-5,00%	10	7,600	313,189	15	-	-	16	-	-	17	-	-	18	-	-	33	8,110	312,849	0,2	0,3
946+0,000	7	3,600	313,489	-3,00%	8	-	-	-	9	6,100	313,364	-5,00%	10	7,600	313,289	15	-	-	16	-	-	17	-	-	18	-	-	33	8,261	312,848	0,3	0,4
947+0,000	7	3,600	313,589	-3,00%	8	-	-	-	9	6,100	313,464	-5,00%	10	7,600	313,389	15	-	-	16	-	-	17	-	-	18	-	-	33	8,419	312,843	0,3	0,5
948+0,000	7	3,600	313,689	-3,00%	8	-	-	-	9	6,100	313,564	-5,00%	10	7,600	313,489	15	-	-	16	-	-	17	-	-	18	-	-	33	8,583	312,834	0,5	0,7
948+11,347	7	3,600	313,746	-3,00%	8	-	-	-	9	6,100	313,621	-5,00%	10	7,600	313,546	15	-	-	16	-	-	17	-	-	18	-	-	33	8,684	312,823	0,6	0,7
DISPOSITIVO EST.965+0,000 - EST.948+11,347 a EST. 985+14,054																																
985+14,054	7	3,600	306,151	-3,00%	8	-	-	-	9	6,100	306,026	-5,00%	10	7,600	305,951	15	-	-	16	-	-	17	-	-	18	-	-	33	7,604	305,949	-0,5	0,0

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA: Talude			Fim da Segunda Berma			Inicio da Segunda Berma			Fim da Primeira Berma			Inicio da Primeira Berma / Encontro de Talude			Fundo canaleta / Barreira			Acostamento / Faixa de Segurança / Concordância de Pista				Faixa de Aceleração ou Desaceleração				Bordo da pista				COTAS DE EIXO: Terreno Natural	Projeto	Cota vermelha	LADO DIREITO – PLATAFORMA ACABADA: Bordo da pista				Faixa de Aceleração ou Desaceleração				Acostamento / Faixa de Segurança / Concordância de Pista				Fundo canaleta / Barreira			Inicio da Primeira Berma / Encontro de Talude			Fim da Primeira Berma			Inicio da Segunda Berma			Fim da Segunda Berma			Talude			ALTURAS DOS TALUDES: LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota		
986+0,000			33	- 8,069	305,927	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	305,459	9	- 6,100	305,834	-5,00%	8	-	-	-	7	- 3,600	305,959	-3,00%	305,786	306,067	0,281	7	3,600	305,959	-3,00%	8	-	-	-	9	6,100	305,834	-5,00%	10	7,600	305,759	15	-	-	16	-	-	17	-	-	18	-	-	33	7,907	305,766	-0,5	0,0
987+0,000			33	- 8,030	305,240	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	304,810	9	- 6,100	305,185	-5,00%	8	-	-	-	7	- 3,600	305,310	-3,00%	305,180	305,418	0,239	7	3,600	305,310	-3,00%	8	-	-	-	9	6,100	305,185	-5,00%	10	7,600	304,810	15	-	-	16	-	-	17	-	-	18	-	-	33	7,975	305,185	-0,4	-0,4
988+0,000			33	- 8,086	304,648	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	304,162	9	- 6,100	304,537	-5,00%	8	-	-	-	7	- 3,600	304,662	-3,00%	304,571	304,770	0,199	7	3,600	304,662	-3,00%	8	-	-	-	9	6,100	304,537	-5,00%	10	7,600	304,162	15	-	-	16	-	-	17	-	-	18	-	-	33	7,966	304,528	-0,5	-0,4
989+0,000			33	- 8,070	303,984	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	303,514	9	- 6,100	303,889	-5,00%	8	-	-	-	7	- 3,600	304,014	-3,00%	303,921	304,122	0,201	7	3,600	304,014	-3,00%	8	-	-	-	9	6,100	303,889	-5,00%	10	7,600	303,514	15	-	-	16	-	-	17	-	-	18	-	-	33	7,935	303,848	-0,5	-0,3
990+0,000			33	- 8,026	303,292	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	302,865	9	- 6,100	303,240	-5,00%	8	-	-	-	7	- 3,600	303,365	-3,00%	303,247	303,473	0,226	7	3,600	303,365	-3,00%	8	-	-	-	9	6,100	303,240	-5,00%	10	7,600	302,865	15	-	-	16	-	-	17	-	-	18	-	-	33	7,925	303,191	-0,4	-0,3
991+0,000			33	- 8,077	302,694	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	302,217	9	- 6,100	302,592	-5,00%	8	-	-	-	7	- 3,600	302,717	-3,00%	302,594	302,825	0,231	7	3,600	302,717	-3,00%	8	-	-	-	9	6,100	302,592	-5,00%	10	7,600	302,517	15	-	-	16	-	-	17	-	-	18	-	-	33	7,622	302,503	-0,5	0,0
992+0,000			33	- 8,062	302,031	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	301,569	9	- 6,100	301,944	-5,00%	8	-	-	-	7	- 3,600	302,069	-3,00%	301,979	302,177	0,197	7	3,600	302,069	-3,00%	8	-	-	-	9	6,100	301,944	-5,00%	10	7,600	301,569	15	-	-	16	-	-	17	-	-	18	-	-	33	7,915	301,884	-0,5	-0,3
993+0,000			33	- 7,936	301,257	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	300,921	9	- 6,100	301,296	-5,00%	8	-	-	-	7	- 3,600	301,421	-3,00%	301,148	301,529	0,381	7	3,600	301,421	-3,00%	8	-	-	-	9	6,100	301,296	-5,00%	10	7,600	301,221	15	-	-	16	-	-	17	-	-	18	-	-	33	7,861	301,046	-0,3	0,2
994+0,000			33	- 8,177	300,849	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	300,272	9	- 6,100	300,647	-5,00%	8	-	-	-	7	- 3,600	300,772	-3,00%	300,774	300,880	0,107	7	3,600	300,772	-3,00%	8	-	-	-	9	6,100	300,647	-5,00%	10	7,600	300,272	15	-	-	16	-	-	17	-	-	18	-	-	33	7,976	300,648	-0,6	-0,4
995+0,000			33	- 8,213	300,237	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	299,624	9	- 6,100	299,999	-5,00%	8	-	-	-	7	- 3,600	300,124	-3,00%	300,107	300,232	0,125	7	3,600	300,124	-3,00%	8	-	-	-	9	6,100	299,999	-5,00%	10	7,600	299,624	15	-	-	16	-	-	17	-	-	18	-	-	33	7,949	299,973	-0,6	-0,3
996+0,000			33	- 8,197	299,573	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	298,976	9	- 6,100	299,351	-5,00%	8	-	-	-	7	- 3,600	299,476	-3,00%	299,440	299,584	0,144	7	3,600	299,476	-3,00%	8	-	-	-	9	6,100	299,351	-5,00%	10	7,600	298,976	15	-	-	16	-	-	17	-	-	18	-	-	33	7,971	299,347	-0,6	-0,4
997+0,000			33	- 8,166	298,893	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	298,327	9	- 6,100	298,702	-5,00%	8	-	-	-	7	- 3,600	298,827	-3,00%	298,807	298,935	0,128	7	3,600	298,827	-3,00%	8	-	-	-	9	6,100	298,702	-5,00%	10	7,600	298,327	15	-	-	16	-	-	17	-	-	18	-	-	33	7,995	298,723	-0,6	-0,4
998+0,000			33	- 8,135	298,214	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	297,679	9	- 6,100	298,054	-5,00%	8	-	-	-	7	- 3,600	298,179	-3,00%	298,183	298,287	0,104	7	3,600	298,179	-3,00%	8	-	-	-	9	6,100	298,054	-5,00%	10	7,600	297,679	15	-	-	16	-	-	17	-	-	18	-	-	33	8,026	298,105	-0,5	-0,4
999+0,000			33	- 8,025	297,456	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	297,031	9	- 6,100	297,406	-5,00%	8	-	-	-	7	- 3,600	297,531	-3,00%	297,437	297,639	0,202	7	3,600	297,531	-3,00%	8	-	-	-	9	6,100	297,406	-5,00%	10	7,600	297,031	15	-	-	16	-	-	17	-	-	18	-	-	33	7,937	297,368	-0,4	-0,3
1000+0,000			33	- 7,984	296,767	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	296,683	9	- 6,100	296,758	-5,00%	8	-	-	-	7	- 3,600	296,883	-3,00%	296,692	296,991	0,298	7	3,600	296,883	-3,00%	8	-	-	-	9	6,100	296,758	-5,00%	10	7,600	296,683	15	-	-	16	-	-	17	-	-	18	-	-	33	7,677	296,631	-0,1	0,1
1001+0,000			33	- 8,094	296,228	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	295,734	9	- 6,100	296,109	-5,00%	8	-	-	-	7	- 3,600	296,234	-3,00%	296,116	296,342	0,227	7	3,600	296,234	-3,00%	8	-	-	-	9	6,100	296,109	-5,00%	10	7,600	296,034	15	-	-	16	-	-	17	-	-	18	-	-	33	7,658	295,995	-0,5	0,0
1002+0,000			33	- 8,204	295,690	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	295,086	9	- 6,100	295,461	-5,00%	8	-	-	-	7	- 3,600	295,586	-3,00%	295,504	295,694	0,190	7	3,600	295,586	-3,00%	8	-	-	-	9	6,100	295,461	-5,00%	10	7,600	295,386	15	-	-	16	-	-	17	-	-	18	-	-	33	7,692	295,325	-0,6	0,1
1003+0,000			33	- 8,136	294,973	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	294,438	9	- 6,100	294,813	-5,00%	8	-	-	-	7	- 3,600	294,938	-3,00%	294,839	295,046	0,207	7	3,600	294,938	-3,00%	8	-	-	-	9	6,100	294,813	-5,00%	10	7,600	294,738	15	-	-	16	-	-	17	-	-	18	-	-	33	7,651	294,704	-0,5	0,0
1004+0,000			33	- 8,046	294,236	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	293,789	9	- 6,100	294,164	-5,00%	8	-	-	-	7	- 3,600	294,289	-3,00%	294,120	294,397	0,278	7	3,600	294,289	-3,00%	8	-	-	-	9	6,100	294,164	-5,00%	10	7,600	294,089	15	-	-	16	-	-	17	-	-	18	-	-	33	7,711	294,016	-0,4	0,1
1005+0,000			33	- 8,013	293,554	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	293,141	9	- 6,100	293,516	-5,00%	8	-	-	-	7	- 3,600	293,641	-3,00%	293,441	293,749	0,308	7	3,600	293,641	-3,00%	8	-	-	-	9	6,100	293,516	-5,00%	10	7,600	293,441	15	-	-	16	-	-	17	-	-	18	-	-	33	7,768	293,329	-0,4	0,1
1006+0,000			33	- 7,985	292,878	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	292,493	9	- 6,100	292,868	-5,00%	8	-	-	-	7	- 3,600	292,993	-3,00%	292,781	293,101	0,320	7	3,600	292,993	-3,00%	8	-	-	-	9	6,100	292,868	-5,00%	10	7,600	292,793	15	-	-	16	-	-	17	-	-	18	-	-	33	7,794	292,663	-0,4	0,1
1007+0,000			33	- 8,031	292,275	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	291,844	9	- 6,100	292,219	-5,00%	8	-	-	-	7	- 3,600	292,344	-3,00%	292,190	292,452	0,262	7	3,600	292,344	-3,00%	8	-	-	-	9	6,100	292,219	-5,00%	10	7,600	292,144	15	-	-	16	-	-	17	-	-	18	-	-	33	7,607	292,140	-0,4	0,0
1008+0,000			33	- 8,129	291,725	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	291,196	9	- 6,100	291,571	-5,00%	8	-	-	-	7	- 3,600	291,696	-3,00%	291,705	291,804	0,099	7	3,600	291,696	-3,00%	8	-	-	-	9	6,100	291,571	-5,00%	10	7,600	291,196	15	-	-	16	-	-	17	-	-	18	-	-	33	8,047	291,644	-0,5	-0,4
1009+0,000			33	- 8,214	291,162	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	290,548	9	- 6,100	290,923	-5,00%	8	-	-	-	7	- 3,600	291,048	-3,00%	291,018	291,156	0,138	7	3,600	291,048	-3,00%	8	-	-	-	9	6,100	290,923	-5,00%	10	7,600	290,848	15	-	-	16	-	-	17	-	-	18	-	-	33	7,678	290,900	-0,6	-0,1
1010+0,000			33	- 8,255	290,555	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	289,900	9	- 6,100	290,275	-5,00%	8	-	-	-	7	- 3,600	290,400	-3,00%	290,454	290,508	0,054	7	3,600	290,400	-3,00%	8	-	-	-	9	6,100	290,275	-5,00%	10	7,600	289,900	15	-	-	16	-	-	17	-	-	18	-	-	33	8,029	290,329	-0,7	-0,4
1011+0,000			33	- 8,278	289,929	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	289,251	9	- 6,100	289,626	-5,00%	8	-	-	-	7	- 3,600	289,751	-3,00%	289,810	289,859	0,050	7	3,600	289,751	-3,00%	8	-	-	-	9	6,100	289,626	-5,00%	10	7,600	289,251	15	-	-	16	-	-	17	-	-	18	-	-	33	8,064	289,715	-0,7	-0,5
1011+10,000			33	- 8,301	289,628	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	288,927	9	- 6,100	289,302	-5,00%	8	-	-	-	7	- 3,600	289,427	-3,00%	289,475	289,535	0,060	7	3,600	289,427	-3,00%	8	-	-	-	9	6,100	289,302	-5,00%	10	7,600	288,927	15	-	-	16	-	-	17	-	-	18	-	-	33	8,053	289,381	-0,7	-0,5
1012+0,000		PCV	33	- 8,320	289,327	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	288,607	9	- 6,100	288,982	-5,00%	8	-	-	-	7	- 3,600	289,107	-3,00%	289,147	289,215	0,068	7	3,600	289,107	-3,00%	8	-	-	-	9	6,100	288,982	-5,00%	10	7,600	288,607	15	-	-	16	-	-	17	-	-	18	-	-	33	8,039	289,046	-0,7	-0,4
1013+0,000			33	- 8,236	288,623	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	287,988	9	- 6,100	288,363	-5,00%	8	-	-	-	7	- 3,600	288,488	-3,00%	288,473	288,596	0,122	7	3,600	288,488	-3,00%	8	-	-	-	9	6,100	288,363	-5,00%	10	7,600	287,988	15	-	-	16	-	-	17	-	-	18	-	-	33	7,973	288,361	-0,6	-0,4
1014+0,000			33	- 8,096	287,893	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	287,398	9	- 6,100	287,773	-5,00%	8	-	-	-	7	- 3,600	287,898	-3,00%	287,751	288,006	0,255	7	3,600	287,898	-3,00%	8	-	-	-	9	6,100	287,773	-5,00%	10	7,600	287,698	15	-	-	16	-	-	17	-	-	18	-	-	33	7,707	287,626	-0,5	0,1
1014+10,000			33	- 8,008	287,522	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	287,114	9	- 6,100	287,489	-5,00%	8	-	-	-	7	- 3,600	287,614	-3,00%	287,359	287,722	0,363	7	3,600	287,614	-3,00%	8	-	-	-	9	6,100	287,489	-5,00%	10	7,600	287,414	15	-	-	16	-	-	17	-	-	18	-	-	33	7,866	287,236	-0,4	0,2
1015+0,000		PTV	33	- 7,948	287,182	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	286,834	9	- 6,100	287,209	-5,00%	8	-	-	-	7	- 3,600	287,334	-3,00%	287,041	287,442	0,401	7	3,600	287,334	-3,00%	8	-	-	-	9	6,100	287,209	-5,00%	10	7,600	287,414	15	-	-	16	-	-	17	-	-	18	-	-	33	7,946	286,903	-0,3	0,5
1016+0,000			33	- 7,718	286,494	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	286,573	9	- 6,100	286,648	-5,00%	8	-	-	-	7	- 3,600	286,773	-3,00%	286,396	286,881	0,485	7	3,600	286,773	-3,00%	8	-	-	-	9	6,100	286,648	-5,00%	10	7,600	286,573	15	-	-	16	-	-	17	-	-	18	-	-	33	8,009	286,301	0,1	0,3
1017+0,000			33	- 7,754	285,910	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	286,013	9	- 6,100	286,088	-5,00%	8	-	-	-	7	- 3,600	286,213	-3,00%	285,783	286,321	0,538	7	3,600	286,213	-3,00%	8	-	-	-	9	6,100	286,088	-5,00%	10	7,600	286,013	15	-	-	16	-	-	17	-	-	18	-	-	33	8,075	285,696	0,1	0,3
1018+0,000			33	- 7,631	285,432	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	285,452	9	- 6,100	285,527	-5,00%	8	-	-	-	7	- 3,600	285,652	-3,00%	285,298	285,760	0,462	7	3,600	285,652	-3,00%	8	-	-	-	9	6,100	285,527	-5,00%	10	7,600	285,452	15	-	-	16	-	-	17	-	-	18	-	-	33	8,113	285,110	0,0	0,3
1019+0,000			33	- 7,962	284,954	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	284,592	9	- 6,100	284,967	-5,00%	8	-	-	-	7	- 3,600	285,092	-3,00%	284,835	285,200	0,365	7	3,600	285,092	-3,00%	8	-	-	-	9	6,100	284,967	-5,00%	10	7,600	284,892	15	-	-	16	-	-	17	-	-	18	-	-	33	7,979	284,639	-0,4	0,3
1020+0,000			33	- 7,991	284,422	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	284,031	9	- 6,100	284,406	-5,00%	8	-	-	-	7	- 3,600	284,531	-3,00%	284,317	284,639	0,322	7	3,600	284,531	-3,00%	8	-	-	-	9	6,100	284,406	-5,00%	10	7,600	284,331	15	-	-	16	-	-	17	-	-	18	-	-	33	7,939	284,105	-0,4	0,2
1021+0,000			33	- 7,964	283,528	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	283,771	9	- 6,100	283,846	-5,00%	8	-	-	-	7	- 3,600	283,971	-3,00%	283,335	284,079	0,743	7	3,600	283,971	-3,00%	8	-	-	-	9	6,100	283,846	-5,00%	10	7,600	283,771	15	-	-	16	-	-	17	-	-	18	-	-	33	8,847	282,939	0,2	0,8
1022+0,000			33	- 8,744	282,448	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	283,210	9	- 6,100	283,285	-5,00%	8	-	-	-	7	- 3,600	283,410	-3,00%	281,979	283,518	1,539	7	3,600	283,410	-3,00%	8	-	-	-	9	6,100	283,285	-5,00%	10	7,600	283,210	15	-	-	16	-	-	17	-	-	18	-	-	33	10,308	281,405	0,8	1,8
1023+0,000			33	- 10,060	281,010	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	282,650	9	- 6,100	282,725	-5,00%	8	-	-	-	7	- 3,600	282,850	-3,00%	280,355	282,958	2,603	7	3,600	282,850	-3,00%	8	-	-	-	9	6,100	282,725	-5,00%	10	7,600	282,650	15	-	-	16	-	-	17	-	-	18	-	-	33	11,769	279,870	1,6	2,8
1024+0,000			33	- 11,010	279,816	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	282,089	9	- 6,100	282,164	-5,00%	8	-	-	-	7	- 3,600	282,289	-3,00%	279,497	282,397	2,900	7	3,600	282,289	-3,00%	8	-	-	-	9	6,100	282,164	-5,00%	10	7,600	282,089	15	-	-	16	-	-	17	-	-	18	-	-	33	11,614	279,413	2,3	2,7
1025+0,000			33	- 11,067	279,217	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	281,529	9	- 6,100	281,604	-5,00%	8	-	-	-	7	- 3,600	281,729	-3,00%	279,120	281,837	2,717	7	3,600	281,729	-3,00%	8	-	-	-	9	6,100	281,604	-5,00%	10	7,600	281,529	15	-	-	16	-	-	17	-	-	18	-	-	33	11,005	279,259	2,3	2,3
1026+0,000			33	- 10,921	278,754	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	280,968	9	- 6,100	281,043	-5,00%	8	-	-	-	7	- 3,600	281,168	-3,00%	278,752	281,276	2,524	7	3,600	281,168	-3,00%	8	-	-	-	9	6,100	281,043	-5,00%	10	7,600	280,968	15	-	-	16	-	-	17	-	-	18	-	-	33	10,781	278,848	2,2	2,1
1027+0,000			33	- 10,868	278,229	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	280,408	9	- 6,100	280,483	-5,00%	8	-	-	-	7	- 3,600	280,608	-3,00%	278,372	280,716	2,343	7	3,600	280,608	-3,00%	8	-	-	-	9	6,100	280,483	-5,00%	10	7,600	280,408	15	-	-	16	-	-	17	-	-	18	-	-	33	10,537	278,449	2,2	2,0
1028+0,000			33	- 10,783	277,725	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	279,847	9	- 6,100	279,922	-5,00%	8	-	-	-	7	- 3,600	280,047	-3,00%	277,846	280,155	2,309	7	3,600	280,047	-3,00%	8	-	-	-	9	6,100	279,922	-5,00%	10	7,600	279,847	15	-	-	16	-	-	17	-	-	18	-	-	33	10,364	278,004	2,1	1,8
1029+0,000			33	- 10,805	277,150	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	279,287	9	- 6,100	279,362	-5,00%	8	-	-	-	7	- 3,600	279,487	-3,00%	277,146	279,595	2,448	7	3,600	279,487	-3,00%	8	-	-	-	9	6,100	279,362	-5,00%	10	7,600	279,287	15	-	-	16	-	-	17	-	-	18	-	-	33	10,379	277,434	2,1	1,9
1029+10,000		PCV	33	- 11,122	276,658	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	279,006	9	- 6,100	279,081	-5,00%	8	-	-	-	7	- 3,600	279,206	-3,00%	276,897	279,314	2,417	7	3,600	279,206	-3,00%	8	-	-	-	9	6,100	279,081	-5,00%	10	7,600	279,006	15	-	-	16	-	-	17	-	-	18	-	-	33	10,557	277,035	2,3	2,0
1030+0,000			33	- 11,643	276,027	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	278,722	9	- 6,100	278,797	-5,00%	8	-	-	-	7	- 3,600	278,922	-3,00%	276,582	279,030	2,448	7	3,600	278,922	-3,00%	8	-	-	-	9	6,100	278,797	-5,00%	10	7,600	278,722	15	-	-	16	-	-	17	-	-	18	-	-	33	10,836	276,565	2,7	2,2
1031+0,000			33	- 11,036	275,839	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	278,129	9	- 6,100	278,204	-5,00%	8	-	-	-	7	- 3,600	278,329	-3,00%	275,787	278,437	2,650	7	3,600	278,329	-3,00%	8	-	-	-	9	6,100	278,204	-5,00%	10	7,600	278,129	15	-	-	16	-	-	17	-	-	18	-	-	33	11,044	275,833	2,3	2,3
1032+0,000			33	- 9,355	276,335	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	277,505	9	- 6,100	277,580	-5,00%	8	-	-	-	7	- 3,600	277,705	-3,00%	275,831	277,813	1,982	7	3,600	277,705	-3,00%	8	-	-	-	9	6,100	277,580	-5,00%	10	7,600	277,505	15	-	-	16	-	-	17	-	-	18	-	-	33	11,103	275,169	1,2	2,3
1032+10,000		PTV	33	- 8,516	276,569	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	277,180	9	- 6,100	277,255	-5,00%	8	-	-	-	7	- 3,600	277,380	-3,00%	276,076	277,488	1,412	7	3,600	277,380	-3,00%	8	-	-	-	9	6,100	277,255	-5,00%	10	7,600	277,180	15	-	-	16	-	-	17	-	-	18	-	-	33	9,825	275,697	0,6	1,5
1033+0,000			33	- 7,672	276,804	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	276,852	9	- 6,100	276,927	-5,00%	8	-	-	-	7	- 3,600	277,052	-3,00%	276,322	277,160	0,838	7	3,600	277,052	-3,00%	8	-	-	-	9	6,100	276,927	-5,00%	10	7,600	276,852	15	-	-	16	-	-	17	-	-	18	-	-	33	8,911	275,978	0,0	0,9
1034+0,000			33	- 8,235	276,529	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	275,895	9	- 6,100	276,270	-5,00%	8	-	-	-	7	- 3,600	276,395	-3,00%	276,104	276,503	0,399	7	3,600	276,395	-3,00%	8	-	-	-	9	6,100	276,270	-5,00%	10	7,600	276,195	15	-	-	16	-	-	17	-	-	18	-	-	33	8,468	275,616	-0,6	0,6
1035+0,000			33	- 8,011	275,648	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	275,238	9	- 6,100	275,613	-5,00%	8	-	-	-	7	- 3,600	275,738	-3,00%	275,225	275,846	0,621	7	3,600	275,738	-3,00%	8	-	-	-	9	6,100	275,613	-5,00%	10	7,600	275,538	15	-	-	16	-	-	17	-	-	18	-	-	33	8,711	274,797	-0,4	0,7
1036+0,000			33	- 7,947	274,650	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	274,881	9	- 6,100	274,956	-5,00%	8	-	-	-	7	- 3,600	275,081	-3,00%	274,233	275,189	0,955	7	3,600	275,081	-3,00%	8	-	-	-	9	6,100	274,956	-5,00%	10	7,600	274,881	15	-	-	16	-	-	17	-	-	18	-	-	33	9,424	273,665	0,2	1,2
1037+0,000			33	- 9,245	273,127	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	274,224	9	- 6,100	274,299	-5,00%	8	-	-	-	7	- 3,600	274,424	-3,00%	272,813	274,532	1,719	7	3,600	274,424	-3,00%	8	-	-	-	9	6,100	274,299	-5,00%	10	7,600	274,224	15	-	-	16	-	-	17	-	-	18	-	-	33	10,208	272,485	1,1	1,7
1037+15,000		PCV	33	- 10,048	272,099	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	273,731	9	- 6,100	273,806	-5,00%	8	-	-	-	7	- 3,600	273,931	-3,00%	272,121	274,039	1,918	7	3,600	273,931	-3,00%	8	-	-	-	9	6,100	273,806	-5,00%	10	7,600	273,731	15	-	-	16	-	-	17	-	-	18	-	-	33	10,203	271,996	1,6	1,7
1038+0,000			33	- 10,452	271,668	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	273,570	9	- 6,100	273,645	-5,00%	8	-	-	-	7	- 3,600	273,770	-3,00%	271,729	273,878	2,149	7	3,600	273,770	-3,00%	8	-	-	-	9	6,100	273,645	-5,00%	10	7,600	273,570	15	-	-	16	-	-	17	-	-	18	-	-	33	10,128	271,885	1,9	1,7
1039+0,000			33	- 11,344	270,486	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	272,981	9	- 6,100	273,056	-5,00%	8	-	-	-	7	- 3,600	273,181	-3,00%	270,399	273,289	2,890	7	3,600	273,181	-3,00%	8	-	-	-	9	6,100	273,056	-5,00%	10	7,600	272,981	15	-	-	16	-	-	17	-	-	18	-	-	33	11,297	270,517	2,5	2,5
1040+0,000			33	- 11,258	270,045	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	272,484	9	- 6,100	272,559	-5,00%	8	-	-	-	7	- 3,600	272,684	-3,00%	269,994	272,792	2,798	7	3,600	272,684	-3,00%	8	-	-	-	9	6,100	272,559	-5,00%	10	7,600	272,484	15	-	-	16	-	-	17	-	-	18	-	-	33	11,146	270,120	2,4	2,4
1041+0,000			33	- 10,885	269,888	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	272,078	9	- 6,100	272,153	-5,00%	8	-	-	-	7	- 3,600	272,278	-3,00%	269,815	272,386	2,571	7	3,600	272,278	-3,00%	8	-	-	-	9	6,100	272,153	-5,00%	10	7,600	272,078	15	-	-	16	-	-	17	-	-	18	-	-	33	10,768	269,966	2,2	2,1
1041+15,000			33	- 10,613	269,825	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,834	9	- 6,100	271,909	-5,00%	8	-	-	-	7	- 3,600	272,034	-3,00%	269,762	272,142	2,380	7	3,600	272,034	-3,00%	8	-	-	-	9	6,100	271,909	-5,00%	10	7,600	271,834	15	-	-	16	-	-	17	-	-	18	-	-	33	10,523	269,885	2,0	1,9
1042+0,000			33	- 10,540	269,803	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,763	9	- 6,100	271,838	-5,00%	8	-	-	-	7	- 3,600	271,963	-3,00%	269,772	272,071	2,300	7	3,600	271,963	-3,00%	8	-	-	-	9	6,100	271,838	-5,00%	10	7,600	271,763	15	-	-	16	-	-	17	-	-	18	-	-	33	10,448	269,865	2,0	1,9
1043+0,000			33	- 10,149	269,841	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,540	9	- 6,100	271,615	-5,00%	8	-	-	-	7	- 3,600	271,740	-3,00%	269,809	271,848	2,039	7	3,600	271,740	-3,00%	8	-	-	-	9	6,100	271,615	-5,00%	10	7,600	271,540	15	-	-	16	-	-	17	-	-	18	-	-	33	10,226	269,789	1,7	1,8
1044+0,000			33	- 9,967	269,830	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,408	9	- 6,100	271,483	-5,00%	8	-	-	-	7	- 3,600	271,608	-3,00%	269,788	271,716	1,928	7	3,600	271,608	-3,00%	8	-	-	-	9	6,100	271,483	-5,00%	10	7,600	271,408	15	-	-	16	-	-	17	-	-	18	-	-	33	10,028	269,789	1,6	1,6
1044+18,945			33	- 9,960	269,794	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,367	9	- 6,100	271,442	-5,00%	8	-	-	-	7	- 3,600	271,567	-3,00%	269,767	271,675	1,908	7	3,600	271,567	-3,00%	8	-	-	-	9	6,100	271,442	-5,00%	10	7,600	271,367	15	-	-	16	-	-	17	-	-	18	-	-	33	9,949	269,801	1,6	1,6
1045+0,000			33	- 9,963	269,792	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,367	9	- 6,100	271,442	-5,00%	8	-	-	-	7	- 3,600	271,567	-3,00%	269,766	271,675	1,909	7	3,600	271,567	-3,00%	8	-	-	-	9	6,100	271,442	-5,00%	10	7,600	271,367	15	-	-	16	-	-	17	-	-	18	-	-	33	9,950	269,800	1,6	1,6
1045+15,000		PTV	33	- 10,050	269,763	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,396	9	- 6,100	271,471	-5,00%	8	-	-	-	7	- 3,600	271,596	-3,00%	269,746	271,704	1,959	7	3,600	271,596	-3,00%	8	-	-	-	9	6,100	271,471	-5,00%	10	7,600	271,396	15	-	-	16	-	-	17	-	-	18	-	-	33	10,024	269,781	1,6	1,6
1046+0,000			33	- 10,091	269,754	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,415	9	- 6,100	271,490	-5,00%	8	-	-	-	7	- 3,600	271,615	-3,00%	269,732	271,723	1,991	7	3,600	271,615	-3,00%	8	-	-	-	9	6,100	271,490	-5,00%	10	7,600	271,415	15	-	-	16	-	-	17	-	-	18	-	-	33	10,072	269,767	1,7	1,6
1047+0,000			33	- 10,256	269,717	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,488	9	- 6,100	271,563	-5,00%	8	-	-	-	7	- 3,600	271,688	-3,00%	269,684	271,796	2,112	7	3,600	271,688	-3,00%	8	-	-	-	9	6,100	271,563	-5,00%	10	7,600	271,488	15	-	-	16	-	-	17	-	-	18	-	-	33	10,302	269,687	1,8	1,8
1048+0,000			33	- 9,854	270,059	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,561	9	- 6,100	271,636	-5,00%	8	-	-	-	7	- 3,600	271,761	-3,00%	270,032	271,869	1,837	7	3,600	271,761	-3,00%	8	-	-	-	9	6,100	271,636	-5,00%	10	7,600	271,561	15	-	-	16	-	-	17	-	-	18	-	-	33	9,972	269,980	1,5	1,6
1049+0,000			33	- 9,511	270,361	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,635	9	- 6,100	271,710	-5,00%	8	-	-	-	7	- 3,600	271,835	-3,00%	270,360	271,943	1,582	7	3,600	271,835	-3,00%	8	-	-	-	9	6,100	271,710	-5,00%	10	7,600	271,635	15	-	-	16	-	-	17	-	-	18	-	-	33	9,675	270,251	1,3	1,4
1050+0,000			33	- 9,695	270,311	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,708	9	- 6,100	271,783	-5,00%	8	-	-	-	7	- 3,600	271,908	-3,00%	270,337	272,016	1,679	7	3,600	271,908	-3,00%	8	-	-	-	9	6,100	271,783	-5,00%	10	7,600	271,708	15	-	-	16	-	-	17	-	-	18	-	-	33	9,905	270,171	1,4	1,5
1051+0,000			33	- 9,812	270,306	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,781	9	- 6,100	271,856	-5,00%	8	-	-	-	7	- 3,600	271,981	-3,00%	270,246	272,089	1,843	7	3,600	271,981	-3,00%	8	-	-	-	9	6,100	271,856	-5,00%	10	7,600	271,781	15	-	-	16	-	-	17	-	-	18	-	-	33	10,181	270,060	1,5	1,7
1051+8,611			33	- 9,871	270,299	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,813	9	- 6,100	271,888	-5,00%	8	-	-	-	7	- 3,600	272,013	-3,00%	270,122	272,121	1,998	7	3,600	272,013	-3,00%	8	-	-	-	9	6,100	271,888	-5,00%	10	7,600	271,813	15	-	-	16	-	-	17	-	-	18	-	-	33	10,444	269,917	1,5	1,9
1052+0,000			33	- 10,110	270,181	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,854	9	- 6,100	271,929	-5,00%	8	-	-	-	7	- 3,600	272,054	-3,00%	269,939	272,162	2,224	7	3,600	272,054	-3,00%	8	-	-	-	9	6,100	271,929	-5,00%	10	7,600	271,854	15	-	-	16	-	-	17	-	-	18	-	-	33	10,767	269,743	1,7	2,1
1052+2,685			33	- 10,166	270,153	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,864	9	- 6,100	271,939	-5,00%	8	-	-	-	7	- 3,600	272,064	-3,00%	269,895	272,172	2,277	7	3,600	272,064	-3,00%	8	-	-	-	9	6,100	271,939	-5,00%	10	7,600	271,864	15	-	-	16	-	-	17	-	-	18	-	-	33	10,837	269,706	1,7	2,2
1052+15,000		PCV	33	- 10,258	270,137	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,909	9	- 6,100	271,984	-5,00%	8	-	-	-	7	- 3,600	272,109	-3,00%	269,854	272,217	2,363	7	3,600	272,172	-1,25%	8	-	-	-	9	6,100	272,047	-5,00%	10	7,600	271,972	15	-	-	16	-	-	17	-	-	18	-	-	33	11,006	269,702	1,8	2,3
1053+0,000			33	- 10,283	270,138	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,927	9	- 6,100	272,002	-5,00%	8	-	-	-	7	- 3,600	272,127	-3,00%	269,861	272,235	2,374	7	3,600	272,215	-0,54%	8	-	-	-	9	6,100	272,090	-5,00%	10	7,600	272,015	15	-	-	16	-	-	17	-	-	18	-	-	33	11,011	269,741	1,8	2,3
1053+3,796			33	- 10,300	270,139	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,939	9	- 6,100	272,014	-5,00%	8	-	-	-	7	- 3,600	272,139	-3,00%	269,866	272,247	2,382	7	3,600	272,247	0,00%	8	-	-	-	9	6,100	272,122	-5,00%	10	7,600	272,047	15	-	-	16	-	-	17	-	-	18	-	-	33	11,014	269,771	1,8	2,3
1053+16,464	PC		33	- 11,074	269,658	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,974	9	- 6,100	272,049	-5,00%	8	-	-	-	7	- 3,600	272,174	-3,00%	269,882	272,282	2,400	7	3,600	272,347	1,80%	8	-	-	-	9	6,100	272,217	-5,20%	10	7,600	272,142	15	-	-	16	-	-	17	-	-	18	-	-	33	11,043	269,846	2,3	2,3
1053+17,871			33	- 11,091	269,650	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,977	9	- 6,100	272,052	-5,00%	8	-	-	-	7	- 3,600	272,177	-3,00%	269,884	272,285	2,402	7	3,600	272,357	2,00%	8	-	-	-	9	6,100	272,232	-5,00%	10	7,600	272,157	15	-	-	16	-	-	17	-	-	18	-	-	33	11,056	269,854	2,3	2,3
1054+0,000			33	- 11,066	269,671	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,982	9	- 6,100	272,057	-5,00%	8	-	-	-	7	- 3,600	272,182	-3,00%	269,889	272,290	2,401	7	3,600	272,373	2,30%	8	-	-	-	9	6,100	272,256	-4,70%	10	7,600	272,181	15	-	-	16	-	-	17	-	-	18	-	-	33	11,074	269,865	2,3	2,3
1054+2,796			33	- 11,021	269,708	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,988	9	- 6,100	272,063	-5,00%	8	-	-	-	7	- 3,600	272,188	-3,00%	269,912	272,296	2,384	7	3,600	272,393	2,70%	8	-	-	-	9	6,100	272,286	-4,30%	10	7,600	272,211	15	-	-	16	-	-	17	-	-	18	-	-	33	11,098	269,878	2,3	2,3
1054+4,908			33	- 10,985	269,735	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,992	9	- 6,100	272,067	-5,00%	8	-	-	-	7	- 3,600	272,192	-3,00%	269,930	272,300	2,370	7	3,600	272,408	3,00%	8	-	-	-	9	6,100	272,308	-4,00%	10	7,600	272,233	15	-	-	16	-	-	17	-	-	18	-	-	33	11,116	269,889	2,3	2,3
1055+0,000			33	- 10,625	269,996	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	272,013	9	- 6,100	272,088	-5,00%	8	-	-	-	7	- 3,600	272,213	-3,00%	269,731	272,321	2,590	7	3,600	272,429	3,00%	8	-	-	-	9	6,100	272,329	-4,00%	10	7,600	272,254	15	-	-	16	-	-	17	-	-	18	-	-	33	11,078	269,936	2,0	2,3
1055+15,000			33	- 10,747	269,922	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	272,020	9	- 6,100	272,095	-5,00%	8	-	-	-	7	- 3,600	272,220	-3,00%	269,585	272,328	2,743	7	3,600	272,436	3,00%	8	-	-	-	9	6,100	272,336	-4,00%	10	7,600	272,261	15	-	-	16	-	-	17	-	-	18	-	-	33	11,692	269,534	2,1	2,7
1055+15,657			33	- 10,776	269,903	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	272,020	9	- 6,100	272,095	-5,00%	8	-	-	-	7	- 3,600	272,220	-3,00%	269,587	272,328	2,741	7	3,600	272,436	3,00%	8	-	-	-	9	6,100	272,336	-4,00%	10	7,600	272,261	15	-	-	16	-	-	17	-	-	18	-	-	33	11,770	269,482	2,1	2,8
1056+0,000			33	- 10,962	269,779	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	272,020	9	- 6,100	272,095	-5,00%	8	-	-	-	7	- 3,600	272,220	-3,00%	269,607	272,328	2,721	7	3,600	272,436	3,00%	8	-	-	-	9	6,100	272,336	-4,00%	10	7,600	272,261	15	-	-	16	-	-	17	-	-	18	-	-	33	11,924	269,378	2,2	2,9
1057+0,000			33	- 11,612	269,328	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	272,003	9	- 6,100	272,078	-5,00%	8	-	-	-	7	- 3,600	272,203	-3,00%	269,157	272,311	3,153	7	3,600	272,419	3,00%	8	-	-	-	9	6,100	272,319	-4,00%	10	7,600	272,244	15	-	-	16	-	-	17	-	-	18	-	-	33	12,397	269,046	2,7	3,2
1058+0,000			33	- 11,244	269,532	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,961	9	- 6,100	272,036	-5,00%	8	-	-	-	7	- 3,600	272,161	-3,00%	269,528	272,269	2,741	7	3,600	272,377	3,00%	8	-	-	-	9	6,100	272,277	-4,00%	10	7,600	272,202	15	-	-	16	-	-	17	-	-	18	-	-	33	11,737	269,444	2,4	2,8
1058+15,000		PTV	33	- 10,928	269,696	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,914	9	- 6,100	271,989	-5,00%	8	-	-	-	7	- 3,600	272,114	-3,00%	269,753	272,222	2,469	7	3,600	272,330	3,00%	8	-	-	-	9	6,100	272,230	-4,00%	10	7,600	272,155	15	-	-	16	-	-	17	-	-	18	-	-	33	11,145	269,792	2,2	2,4
1059+0,000			33	- 10,840	269,736	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,896	9	- 6,100	271,971	-5,00%	8	-	-	-	7	- 3,600	272,096	-3,00%	269,828	272,204	2,376	7	3,600	272,312	3,00%	8	-	-	-	9	6,100	272,212	-4,00%	10	7,600	272,137	15	-	-	16	-	-	17	-	-	18	-	-	33	10,964	269,894	2,2	2,2
1060+0,000			33	- 10,196	270,094	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,824	9	- 6,100	271,899	-5,00%	8	-	-	-	7	- 3,600	272,024	-3,00%	270,281	272,132	1,851	7	3,600	272,240	3,00%	8	-	-	-	9	6,100	272,140	-4,00%	10	7,600	272,065	15	-	-	16	-	-	17	-	-	18	-	-	33	10,242	270,304	1,7	1,8
1060+3,562			33	- 10,081	270,158	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,812	9	- 6,100	271,887	-5,00%	8	-	-	-	7	- 3,600	272,012	-3,00%	270,341	272,120	1,779	7	3,600	272,228	3,00%	8	-	-	-	9	6,100	272,128	-4,00%	10	7,600	272,053	15	-	-	16	-	-	17	-	-	18	-	-	33	10,202	270,318	1,7	1,7
1061+0,000			33	- 9,551	270,452	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,753	9	- 6,100	271,828	-5,00%	8	-	-	-	7	- 3,600	271,953	-3,00%	270,422	272,061	1,639	7	3,600	272,169	3,00%	8	-	-	-	9	6,100	272,069	-4,00%	10	7,600	271,994	15	-	-	16	-	-	17	-	-	18	-	-	33	10,019	270,381	1,3	1,6
1062+0,000			33	- 9,288	270,556	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,681	9	- 6,100	271,756	-5,00%	8	-	-	-	7	- 3,600	271,881	-3,00%	270,528	271,989	1,461	7	3,600	272,097	3,00%	8	-	-	-	9	6,100	271,997	-4,00%	10	7,600	271,922	15	-	-	16	-	-	17	-	-	18	-	-	33	9,932	270,367	1,1	1,6
1063+0,000			33	- 9,219	270,530	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,609	9	- 6,100	271,684	-5,00%	8	-	-	-	7	- 3,600	271,809	-3,00%	270,383	271,917	1,535	7	3,600	272,025	3,00%	8	-	-	-	9	6,100	271,925	-4,00%	10	7,600	271,850	15	-	-	16	-	-	17	-	-	18	-	-	33	10,365	270,007	1,1	1,8
1064+0,000			33	- 9,549	270,239	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,538	9	- 6,100	271,613	-5,00%	8	-	-	-	7	- 3,600	271,738	-3,00%	269,834	271,846	2,011	7	3,600	271,954	3,00%	8	-	-	-	9	6,100	271,854	-4,00%	10	7,600	271,779	15	-	-	16	-	-	17	-	-	18	-	-	33	11,273	269,330	1,3	2,4
1065+0,000			33	- 10,400	269,599	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,466	9	- 6,100	271,541	-5,00%	8	-	-	-	7	- 3,600	271,666	-3,00%	269,162	271,774	2,612	7	3,600	271,882	3,00%	8	-	-	-	9	6,100	271,782	-4,00%	10	7,600	271,707	15	-	-	16	-	-	17	-	-	18	-	-	33	11,737	268,949	1,9	2,8
1066+0,000			33	- 11,103	269,059	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,394	9	- 6,100	271,469	-5,00%	8	-	-	-	7	- 3,600	271,594	-3,00%	269,088	271,702	2,615	7	3,600	271,810	3,00%	8	-	-	-	9	6,100	271,710	-4,00%	10	7,600	271,635	15	-	-	16	-	-	17	-	-	18	-	-	33	11,405	269,099	2,3	2,5
1066+2,216			33	- 11,114	269,044	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,386	9	- 6,100	271,461	-5,00%	8	-	-	-	7	- 3,600	271,586	-3,00%	269,097	271,694	2,598	7	3,600	271,802	3,00%	8	-	-	-	9	6,100	271,702	-4,00%	10	7,600	271,627	15	-	-	16	-	-	17	-	-	18	-	-	33	11,369	269,115	2,3	2,5
1066+4,327			33	- 11,090	269,052	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,379	9	- 6,100	271,454	-5,00%	8	-	-	-	7	- 3,600	271,579	-3,00%	269,105	271,687	2,582	7	3,600	271,784	2,70%	8	-	-	-	9	6,100	271,677	-4,30%	10	7,600	271,602	15	-	-	16	-	-	17	-	-	18	-	-	33	11,306	269,131	2,3	2,5
1066+9,253			33	- 11,033	269,072	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,361	9	- 6,100	271,436	-5,00%	8	-	-	-	7	- 3,600	271,561	-3,00%	269,125	271,669	2,544	7	3,600	271,741	2,00%	8	-	-	-	9	6,100	271,616	-5,00%	10	7,600	271,541	15	-	-	16	-	-	17	-	-	18	-	-	33	11,161	269,167	2,3	2,4
1066+10,659	PT		33	- 11,017	269,078	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,356	9	- 6,100	271,431	-5,00%	8	-	-	-	7	- 3,600	271,556	-3,00%	269,131	271,664	2,534	7	3,600	271,729	1,80%	8	-	-	-	9	6,100	271,599	-5,20%	10	7,600	271,524	15	-	-	16	-	-	17	-	-	18	-	-	33	11,119	269,178	2,3	2,3
1067+0,000			33	- 10,841	269,162	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,323	9	- 6,100	271,398	-5,00%	8	-	-	-	7	- 3,600	271,523	-3,00%	269,221	271,631	2,410	7	3,600	271,648	0,47%	8	-	-	-	9	6,100	271,521	-5,05%	10	7,600	271,446	15	-	-	16	-	-	17	-	-	18	-	-	33	10,969	269,200	2,2	2,2
1067+3,327			33	- 10,763	269,202	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,311	9	- 6,100	271,386	-5,00%	8	-	-	-	7	- 3,600	271,511	-3,00%	269,261	271,619	2,357	7	3,600	271,619	0,00%	8	-	-	-	9	6,100	271,494	-5,00%	10	7,600	271,419	15	-	-	16	-	-	17	-	-	18	-	-	33	10,924	269,203	2,1	2,2
1067+5,000		PCV	33	- 10,723	269,223	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,305	9	- 6,100	271,380	-5,00%	8	-	-	-	7	- 3,600	271,505	-3,00%	269,281	271,613	2,331	7	3,600	271,604	-0,24%	8	-	-	-	9	6,100	271,479	-5,00%	10	7,600	271,404	15	-	-	16	-	-	17	-	-	18	-	-	33	10,900	269,204	2,1	2,2
1068+0,000			33	- 10,410	269,391	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,264	9	- 6,100	271,339	-5,00%	8	-	-	-	7	- 3,600	271,464	-3,00%	269,462	271,572	2,110	7	3,600	271,487	-2,37%	8	-	-	-	9	6,100	271,362	-5,00%	10	7,600	271,287	15	-	-	16	-	-	17	-	-	18	-	-	33	10,709	269,214	1,9	2,1
1068+4,438			33	- 10,376	269,407	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,257	9	- 6,100	271,332	-5,00%	8	-	-	-	7	- 3,600	271,457	-3,00%	269,516	271,565	2,050	7	3,600	271,457	-3,00%	8	-	-	-	9	6,100	271,332	-5,00%	10	7,600	271,257	15	-	-	16	-	-	17	-	-	18	-	-	33	10,661	269,217	1,9	2,0
1068+15,000			33	- 10,309	269,444	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,250	9	- 6,100	271,325	-5,00%	8	-	-	-	7	- 3,600	271,450	-3,00%	269,643	271,558	1,915	7	3,600	271,450	-3,00%	8	-	-	-	9	6,100	271,325	-5,00%	10	7,600	271,250	15	-	-	16	-	-	17	-	-	18	-	-	33	10,648	269,218	1,8	2,0
1068+15,356			33	- 10,307	269,446	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,250	9	- 6,100	271,325	-5,00%	8	-	-	-	7	- 3,600	271,450	-3,00%	269,648	271,558	1,911	7	3,600	271,450	-3,00%	8	-	-	-	9	6,100	271,325	-5,00%	10	7,600	271,250	15	-	-	16	-	-	17	-	-	18	-	-	33	10,648	269,218	1,8	2,0
1068+18,512			33	- 10,291	269,457	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,251	9	- 6,100	271,326	-5,00%	8	-	-	-	7	- 3,600	271,451	-3,00%	269,686	271,559	1,873	7	3,600	271,451	-3,00%	8	-	-	-	9	6,100	271,326	-5,00%	10	7,600	271,251	15	-	-	16	-	-	17	-	-	18	-	-	33	10,649	269,218	1,8	2,0
1069+0,000			33	- 10,284	269,462	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,252	9	- 6,100	271,327	-5,00%	8	-	-	-	7	- 3,600	271,452	-3,00%	269,704	271,560	1,856	7	3,600	271,452	-3,00%	8	-	-	-	9	6,100	271,327	-5,00%	10	7,600	271,252	15	-	-	16	-	-	17	-	-	18	-	-	33	10,650	269,219	1,8	2,0
1070+0,000			33	- 10,468	269,374	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,286	9	- 6,100	271,361	-5,00%	8	-	-	-	7	- 3,600	271,486	-3,00%	269,397	271,594	2,197	7	3,600	271,486	-3,00%	8	-	-	-	9	6,100	271,361	-5,00%	10	7,600	271,286	15	-	-	16	-	-	17	-	-	18	-	-	33	10,962	269,045	1,9	2,2
1070+5,000		PTV	33	- 10,663	269,261	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,302	9	- 6,100	271,377	-5,00%	8	-	-	-	7	- 3,600	271,502	-3,00%	269,284	271,610	2,326	7	3,600	271,502	-3,00%	8	-	-	-	9	6,100	271,377	-5,00%	10	7,600	271,302	15	-	-	16	-	-	17	-	-	18	-	-	33	10,902	269,101	2,0	2,2
1071+0,000			33	- 10,835	269,198	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,355	9	- 6,100	271,430	-5,00%	8	-	-	-	7	- 3,600	271,555	-3,00%	269,224	271,663	2,438	7	3,600	271,555	-3,00%	8	-	-	-	9	6,100	271,430	-5,00%	10	7,600	271,355	15	-	-	16	-	-	17	-	-	18	-	-	33	10,615	269,345	2,2	2,0
1072+0,000			33	- 10,802	269,290	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,425	9	- 6,100	271,500	-5,00%	8	-	-	-	7	- 3,600	271,625	-3,00%	269,541	271,733	2,192	7	3,600	271,625	-3,00%	8	-	-	-	9	6,100	271,500	-5,00%	10	7,600	271,425	15	-	-	16	-	-	17	-	-	18	-	-	33	10,099	269,758	2,1	1,7
1073+0,000			33	- 10,715	269,418	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,495	9	- 6,100	271,570	-5,00%	8	-	-	-	7	- 3,600	271,695	-3,00%	269,702	271,803	2,101	7	3,600	271,695	-3,00%	8	-	-	-	9	6,100	271,570	-5,00%	10	7,600	271,495	15	-	-	16	-	-	17	-	-	18	-	-	33	10,422	269,614	2,1	1,9
1074+0,000			33	- 10,302	269,764	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,565	9	- 6,100	271,640	-5,00%	8	-	-	-	7	- 3,600	271,765	-3,00%	269,657	271,873	2,216	7	3,600	271,765	-3,00%	8	-	-	-	9	6,100	271,640	-5,00%	10	7,600	271,565	15	-	-	16	-	-	17	-	-	18	-	-	33	10,611	269,558	1,8	2,0
1075+0,000			33	- 10,492	269,707	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,635	9	- 6,100	271,710	-5,00%	8	-	-	-	7	- 3,600	271,835	-3,00%	269,451	271,943	2,492	7	3,600	271,835	-3,00%	8	-	-	-	9	6,100	271,710	-5,00%	10	7,600	271,635	15	-	-	16	-	-	17	-	-	18	-	-	33	10,978	269,383	1,9	2,3
1076+0,000			33	- 10,902	269,503	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,705	9	- 6,100	271,780	-5,00%	8	-	-	-	7	- 3,600	271,905	-3,00%	269,331	272,013	2,682	7	3,600	271,905	-3,00%	8	-	-	-	9	6,100	271,780	-5,00%	10	7,600	271,705	15	-	-	16	-	-	17	-	-	18	-	-	33	11,256	269,268	2,2	2,4
1076+9,006			33	- 11,120	269,389	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,736	9	- 6,100	271,811	-5,00%	8	-	-	-	7	- 3,600	271,936	-3,00%	269,269	272,044	2,775	7	3,600	271,936	-3,00%	8	-	-	-	9	6,100	271,811	-5,00%	10	7,600	271,736	15	-	-	16	-	-	17	-	-	18	-	-	33	11,394	269,207	2,3	2,5
1077+0,000			33	- 11,059	269,468	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,774	9	- 6,100	271,849	-5,00%	8	-	-	-	7	- 3,600	271,974	-3,00%	269,265	272,082	2,818	7	3,600	271,974	-3,00%	8	-	-	-	9	6,100	271,849	-5,00%	10	7,600	271,774	15	-	-	16	-	-	17	-	-	18	-	-	33	11,544	269,145	2,3	2,6
1078+0,000			33	- 11,419	269,298	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,845	9	- 6,100	271,920	-5,00%	8	-	-	-	7	- 3,600	272,045	-3,00%	269,156	272,153	2,996	7	3,600	272,045	-3,00%	8	-	-	-	9	6,100	271,920	-5,00%	10	7,600	271,845	15	-	-	16	-	-	17	-	-	18	-	-	33	11,844	269,015	2,5	2,8
1079+0,000			33	- 11,874	269,065	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,915	9	- 6,100	271,990	-5,00%	8	-	-	-	7	- 3,600	272,115	-3,00%	268,926	272,223	3,297	7	3,600	272,115	-3,00%	8	-	-	-	9	6,100	271,990	-5,00%	10	7,600	271,915	15	-	-	16	-	-	17	-	-	18	-	-	33	12,300	268,781	2,8	3,1
1080+0,000			33	- 12,220	268,905	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	271,985	9	- 6,100	272,060	-5,00%	8	-	-	-	7	- 3,600	272,185	-3,00%	268,808	272,293	3,484	7	3,600	272,185	-3,00%	8	-	-	-	9	6,100	272,060	-5,00%	10	7,600	271,985	15	-	-	16	-	-	17	-	-	18	-	-	33	12,427	268,767	3,1	3,2
1081+0,000			33	- 12,398	268,856	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	272,055	9	- 6,100	272,130	-5,00%	8	-	-	-	7	- 3,600	272,255	-3,00%	268,930	272,363	3,433	7	3,600	272,255	-3,00%	8	-	-	-	9	6,100	272,130	-5,00%	10	7,600	272,055	15	-	-	16	-	-	17	-	-	18	-	-	33	12,320	268,908	3,2	3,1
1082+0,000			33	- 12,423	268,909	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	272,125	9	- 6,100	272,200	-5,00%	8	-	-	-	7	- 3,600	272,325	-3,00%	269,108	272,433	3,324	7	3,600	272,325	-3,00%	8	-	-	-	9	6,100	272,200	-5,00%	10	7,600	272,125	15	-	-	16	-	-	17	-	-	18	-	-	33	12,092	269,130	3,2	3,0
1083+0,000			33	- 12,189	269,135	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	272,195	9	- 6,100	272,270	-5,00%	8	-	-	-	7	- 3,600	272,395	-3,00%	269,237	272,503	3,266	7	3,600	272,395	-3,00%	8	-	-	-	9	6,100	272,270	-5,00%	10	7,600	272,195	15	-	-	16	-	-	17	-	-	18	-	-	33	12,123	269,179	3,1	3,0
1084+0,000			33	- 12,010	269,325	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	272,265	9	- 6,100	272,340	-5,00%	8	-	-	-	7	- 3,600	272,465	-3,00%	269,399	272,573	3,174	7	3,600	272,465	-3,00%	8	-	-	-	9	6,100	272,340	-5,00%	10	7,600	272,265	15	-	-	16	-	-	17	-	-	18	-	-	33	12,082	269,276	2,9	3,0
1085+0,000			33	- 11,785	269,545	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	272,335	9	- 6,100	272,410	-5,00%	8	-	-	-	7	- 3,600	272,535	-3,00%	269,635	272,643	3,008	7	3,600	272,535	-3,00%	8	-	-	-	9	6,100	272,410	-5,00%	10	7,600	272,335	15	-	-	16	-	-	17	-	-	18	-	-	33	12,020	269,388	2,8	2,9
1086+0,000			33	- 11,607	269,733	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	272,405	9	- 6,100	272,480	-5,00%	8	-	-	-	7	- 3,600	272,605	-3,00%	269,749	272,713	2,963	7	3,600	272,605	-3,00%	8	-	-	-	9	6,100	272,480	-5,00%	10	7,600	272,405	15	-	-	16	-	-	17	-	-	18	-	-	33	12,160	269,365	2,7	3,0
1087+0,000			33	- 11,562	269,833	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	272,475	9	- 6,100	272,550	-5,00%	8	-	-	-	7	- 3,600	272,675	-3,00%	269,679	272,783	3,104	7	3,600	272,675	-3,00%	8	-	-	-	9	6,100	272,550	-5,00%	10	7,600	272,475	15	-	-	16	-	-	17	-	-	18	-	-	33	12,535	269,184	2,6	3,3
1088+0,000			33	- 11,564	268,902	18	-	-	17	-	-	16	-	-	15	-	-	10	- 7,600	272,545	9	- 6,100	272,620	-5,00%	8	-	-	-	7	- 3,600	272,745	-3,00%	269,576	272,853	3,276	7	3,600	272,745	-3,00%	8	-	-	-	9	6,100	272,620	-5,00%	10	7,600	272,545	15	12,100	269,545	16	15,100	269,845	17	-	-	18	-	-	33	16,715	268,768	3,6	3,8

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

BR-158/262-MS

LADO ESQUERDO – PLATAFORMA ACABADA | COTAS DE EIXO | LADO DIREITO – PLATAFORMA ACABADA | ALTURAS DOS TALUDES

ESTACA	Elementos do Projeto – Planta	Elementos do Projeto – Perfil	LE Talude P.	Dist.	Cota	Fim da Segunda Berma P.	Dist.	Cota	Inicio da Segunda Berma P.	Dist.	Cota	Fim da Primeira Berma P.	Dist.	Cota	Inicio da Primeira Berma / Encontro de Talude P.	Dist.	Cota	Fundo canaleta / Barreira P.	Dist.	Cota	Acostamento / Faixa de Segurança / Concordância de Pista P.	Dist.	Cota	Decliv.	Faixa de Aceleração ou Desaceleração P.	Dist.	Cota	Decliv.	Bordo da pista P.	Dist.	Cota	Decliv.	Terreno Natural	Projeto	Cota vermelha	LD Bordo da pista P.	Dist.	Cota	Decliv.	Faixa de Aceleração ou Desaceleração P.	Dist.	Cota	Decliv.	Acostamento / Faixa de Segurança / Concordância de Pista P.	Dist.	Cota	Decliv.	Fundo canaleta / Barreira P.	Dist.	Cota	Inicio da Primeira Berma / Encontro de Talude P.	Dist.	Cota	Fim da Primeira Berma P.	Dist.	Cota	Inicio da Segunda Berma P.	Dist.	Cota	Fim da Segunda Berma P.	Dist.	Cota	Talude P.	Dist.	Cota	LE	LD
1089+0,000			33	-11,859	268,775	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	272,615	9	-6,100	272,690	-5,00%	8	-	-	-	7	-3,600	272,815	-3,00%	269,532	272,923	3,391	7	3,600	272,815	-3,00%	8	-	-	-	9	6,100	272,690	-5,00%	10	7,600	272,615	15	12,100	269,615	16	15,100	269,915	17	-	-	18	-	-	33	16,965	268,671	3,8	3,9
1090+0,000		PCV	33	-15,560	269,678	18	-	-	17	-	-	16	-15,100	269,985	15	-12,100	269,685	10	-7,600	272,685	9	-6,100	272,760	-5,00%	8	-	-	-	7	-3,600	272,885	-3,00%	269,556	272,993	3,436	7	3,600	272,885	-3,00%	8	-	-	-	9	6,100	272,760	-5,00%	10	7,600	272,685	15	12,100	269,685	16	15,100	269,985	17	-	-	18	-	-	33	16,960	268,745	3,0	3,9
1091+0,000			33	-15,863	269,522	18	-	-	17	-	-	16	-15,100	270,031	15	-12,100	269,731	10	-7,600	272,731	9	-6,100	272,806	-5,00%	8	-	-	-	7	-3,600	272,931	-3,00%	269,384	273,039	3,655	7	3,600	272,931	-3,00%	8	-	-	-	9	6,100	272,806	-5,00%	10	7,600	272,731	15	12,100	269,731	16	15,100	270,031	17	-	-	18	-	-	33	17,288	268,572	3,2	4,2
1091+9,476			33	-16,050	269,403	18	-	-	17	-	-	16	-15,100	270,036	15	-12,100	269,736	10	-7,600	272,736	9	-6,100	272,811	-5,00%	8	-	-	-	7	-3,600	272,936	-3,00%	269,185	273,044	3,859	7	3,600	272,936	-3,00%	8	-	-	-	9	6,100	272,811	-5,00%	10	7,600	272,736	15	12,100	269,736	16	15,100	270,036	17	-	-	18	-	-	33	17,526	268,419	3,3	4,3
1091+10,000			33	-16,079	269,384	18	-	-	17	-	-	16	-15,100	270,036	15	-12,100	269,736	10	-7,600	272,736	9	-6,100	272,811	-5,00%	8	-	-	-	7	-3,600	272,936	-3,00%	269,174	273,044	3,870	7	3,600	272,936	-3,00%	8	-	-	-	9	6,100	272,811	-5,00%	10	7,600	272,736	15	12,100	269,736	16	15,100	270,036	17	-	-	18	-	-	33	17,538	268,411	3,4	4,3
1092+0,000			33	-16,566	269,053	18	-	-	17	-	-	16	-15,100	270,030	15	-12,100	269,730	10	-7,600	272,730	9	-6,100	272,805	-5,00%	8	-	-	-	7	-3,600	272,930	-3,00%	268,954	273,038	4,083	7	3,600	272,930	-3,00%	8	-	-	-	9	6,100	272,805	-5,00%	10	7,600	272,730	15	12,100	269,730	16	15,100	270,030	17	-	-	18	-	-	33	17,770	268,250	3,7	4,5
1093+0,000		PTV	33	-17,466	268,403	18	-	-	17	-	-	16	-15,100	269,981	15	-12,100	269,681	10	-7,600	272,681	9	-6,100	272,756	-5,00%	8	-	-	-	7	-3,600	272,881	-3,00%	268,265	272,989	4,724	7	3,600	272,881	-3,00%	8	-	-	-	9	6,100	272,756	-5,00%	10	7,600	272,681	15	12,100	269,681	16	15,100	269,981	17	-	-	18	-	-	33	17,985	268,057	4,3	4,6
1093+1,419			33	-17,528	268,357	18	-	-	17	-	-	16	-15,100	269,976	15	-12,100	269,676	10	-7,600	272,676	9	-6,100	272,751	-5,00%	8	-	-	-	7	-3,600	272,876	-3,00%	268,211	272,984	4,773	7	3,600	272,876	-3,00%	8	-	-	-	9	6,100	272,751	-5,00%	10	7,600	272,676	15	12,100	269,676	16	15,100	269,976	17	-	-	18	-	-	33	17,996	268,045	4,3	4,6
1094+0,000			33	-17,904	268,039	18	-	-	17	-	-	16	-15,100	269,908	15	-12,100	269,608	10	-7,600	272,609	9	-6,100	272,684	-5,00%	8	-	-	-	7	-3,600	272,809	-3,00%	267,602	272,917	5,315	7	3,600	272,809	-3,00%	8	-	-	-	9	6,100	272,684	-5,00%	10	7,600	272,609	15	12,100	269,608	16	15,100	269,908	17	-	-	18	-	-	33	18,198	267,843	4,6	4,8
1095+0,000			33	-18,186	267,778	18	-	-	17	-	-	16	-15,100	269,836	15	-12,100	269,536	10	-7,600	272,536	9	-6,100	272,611	-5,00%	8	-	-	-	7	-3,600	272,736	-3,00%	267,529	272,844	5,315	7	3,600	272,736	-3,00%	8	-	-	-	9	6,100	272,611	-5,00%	10	7,600	272,536	15	12,100	269,536	16	15,100	269,836	17	-	-	18	-	-	33	18,506	267,565	4,8	5,0
1095+2,235			33	-18,203	267,759	18	-	-	17	-	-	16	-15,100	269,828	15	-12,100	269,528	10	-7,600	272,528	9	-6,100	272,603	-5,00%	8	-	-	-	7	-3,600	272,728	-3,00%	267,540	272,836	5,296	7	3,600	272,728	-3,00%	8	-	-	-	9	6,100	272,603	-5,00%	10	7,600	272,528	15	12,100	269,528	16	15,100	269,828	17	-	-	18	-	-	33	18,478	267,576	4,8	5,0
1096+0,000			33	-18,284	267,641	18	-	-	17	-	-	16	-15,100	269,763	15	-12,100	269,463	10	-7,600	272,464	9	-6,100	272,539	-5,00%	8	-	-	-	7	-3,600	272,664	-3,00%	267,596	272,772	5,176	7	3,600	272,695	-2,13%	8	-	-	-	9	6,100	272,570	-5,00%	10	7,600	272,495	15	12,100	269,495	16	15,100	269,795	17	-	-	18	-	-	33	18,253	267,693	4,8	4,8
1097+0,000			33	-18,083	267,702	18	-	-	17	-	-	16	-15,100	269,691	15	-12,100	269,391	10	-7,600	272,391	9	-6,100	272,466	-5,00%	8	-	-	-	7	-3,600	272,591	-3,00%	267,646	272,699	5,053	7	3,600	272,658	-1,15%	8	-	-	-	9	6,100	272,533	-5,00%	10	7,600	272,458	15	12,100	269,458	16	15,100	269,758	17	-	-	18	-	-	33	17,852	267,923	4,7	4,5
1098+0,000			33	-18,042	267,657	18	-	-	17	-	-	16	-15,100	269,618	15	-12,100	269,318	10	-7,600	272,319	9	-6,100	272,394	-5,00%	8	-	-	-	7	-3,600	272,519	-3,00%	267,719	272,627	4,908	7	3,600	272,620	-0,17%	8	-	-	-	9	6,100	272,495	-5,00%	10	7,600	272,420	15	12,100	269,420	16	15,100	269,720	17	-	-	18	-	-	33	17,636	268,029	4,7	4,4
1098+3,460	TE		33	-18,044	267,643	18	-	-	17	-	-	16	-15,100	269,606	15	-12,100	269,306	10	-7,600	272,306	9	-6,100	272,381	-5,00%	8	-	-	-	7	-3,600	272,506	-3,00%	267,735	272,614	4,879	7	3,600	272,614	0,00%	8	-	-	-	9	6,100	272,489	-5,00%	10	7,600	272,414	15	12,100	269,414	16	15,100	269,714	17	-	-	18	-	-	33	17,640	268,021	4,7	4,4
1099+0,000			33	-17,988	267,620	18	-	-	17	-	-	16	-15,100	269,546	15	-12,100	269,246	10	-7,600	272,246	9	-6,100	272,321	-5,00%	8	-	-	-	7	-3,600	272,446	-3,00%	267,885	272,554	4,669	7	3,600	272,583	0,81%	8	-	-	-	9	6,100	272,458	-5,00%	10	7,600	272,383	15	12,100	269,383	16	15,100	269,683	17	-	-	18	-	-	33	17,680	267,963	4,6	4,4
1100+0,000			33	-17,351	267,973	18	-	-	17	-	-	16	-15,100	269,473	15	-12,100	269,173	10	-7,600	272,174	9	-6,100	272,249	-5,00%	8	-	-	-	7	-3,600	272,374	-3,00%	268,057	272,482	4,424	7	3,600	272,546	1,79%	8	-	-	-	9	6,100	272,421	-5,00%	10	7,600	272,346	15	12,100	269,346	16	15,100	269,646	17	-	-	18	-	-	33	17,596	267,982	4,2	4,4
1100+4,276			33	-17,222	268,043	18	-	-	17	-	-	16	-15,100	269,458	15	-12,100	269,158	10	-7,600	272,158	9	-6,100	272,233	-5,00%	8	-	-	-	7	-3,600	272,358	-3,00%	268,085	272,466	4,381	7	3,600	272,538	2,00%	8	-	-	-	9	6,100	272,413	-5,00%	10	7,600	272,338	15	12,100	269,338	16	15,100	269,638	17	-	-	18	-	-	33	17,557	268,000	4,1	4,3
1101+0,000			33	-17,092	268,073	18	-	-	17	-	-	16	-15,100	269,401	15	-12,100	269,101	10	-7,600	272,101	9	-6,100	272,176	-5,00%	8	-	-	-	7	-3,600	272,301	-3,00%	268,184	272,409	4,225	7	3,600	272,509	2,77%	8	-	-	-	9	6,100	272,384	-5,00%	10	7,600	272,309	15	12,100	269,309	16	15,100	269,609	17	-	-	18	-	-	33	17,411	268,068	4,0	4,2
1101+4,684			33	-17,074	268,068	18	-	-	17	-	-	16	-15,100	269,384	15	-12,100	269,084	10	-7,600	272,084	9	-6,100	272,159	-5,00%	8	-	-	-	7	-3,600	272,284	-3,00%	268,207	272,392	4,185	7	3,600	272,500	3,00%	8	-	-	-	9	6,100	272,375	-5,00%	10	7,600	272,300	15	12,100	269,300	16	15,100	269,600	17	-	-	18	-	-	33	17,366	268,090	4,0	4,2
1102+0,000			33	-19,037	266,677	18	-	-	17	-	-	16	-15,100	269,301	15	-12,100	269,001	10	-7,600	272,002	9	-6,100	272,077	-5,00%	8	-	-	-	7	-3,600	272,202	-3,75%	267,720	272,337	4,617	7	3,600	272,472	3,75%	8	-	-	-	9	6,100	272,375	-3,85%	10	7,600	272,300	15	12,100	269,300	16	15,100	269,600	17	-	-	18	-	-	33	17,355	268,097	5,3	4,2
1103+0,000			33	-16,052	268,559	18	-	-	17	-	-	16	-15,100	269,194	15	-12,100	268,894	10	-7,600	271,894	9	-6,100	271,969	-5,00%	8	-	-	-	7	-3,600	272,094	-4,73%	268,347	272,264	3,917	7	3,600	272,434	4,73%	8	-	-	-	9	6,100	272,375	-2,36%	10	7,600	272,300	15	12,100	269,300	16	15,100	269,600	17	-	-	18	-	-	33	17,457	268,029	3,3	4,3
1103+3,460	EC		33	-16,092	268,514	18	-	-	17	-	-	16	-15,100	269,175	15	-12,100	268,875	10	-7,600	271,875	9	-6,100	271,950	-5,00%	8	-	-	-	7	-3,600	272,075	-4,90%	268,321	272,252	3,931	7	3,600	272,428	4,90%	8	-	-	-	9	6,100	272,376	-2,10%	10	7,600	272,301	15	12,100	269,300	16	15,100	269,600	17	-	-	18	-	-	33	17,902	267,732	3,4	4,6
1104+0,000			33	-16,423	268,233	18	-	-	17	-	-	16	-15,100	269,115	15	-12,100	268,815	10	-7,600	271,815	9	-6,100	271,890	-5,00%	8	-	-	-	7	-3,600	272,015	-4,90%	268,290	272,192	3,901	7	3,600	272,368	4,90%	8	-	-	-	9	6,100	272,316	-2,10%	10	7,600	272,241	15	12,100	269,240	16	15,100	269,540	17	-	-	18	-	-	33	16,854	268,371	3,6	3,9
1105+0,000			33	-16,177	268,325	18	-	-	17	-	-	16	-15,100	269,043	15	-12,100	268,743	10	-7,600	271,743	9	-6,100	271,818	-5,00%	8	-	-	-	7	-3,600	271,943	-4,90%	268,502	272,119	3,617	7	3,600	272,296	4,90%	8	-	-	-	9	6,100	272,243	-2,10%	10	7,600	272,168	15	12,100	269,168	16	15,100	269,468	17	-	-	18	-	-	33	17,320	267,988	3,4	4,2
1106+0,000			33	-15,905	268,434	18	-	-	17	-	-	16	-15,100	268,970	15	-12,100	268,670	10	-7,600	271,670	9	-6,100	271,745	-5,00%	8	-	-	-	7	-3,600	271,870	-4,90%	268,667	272,047	3,379	7	3,600	272,223	4,90%	8	-	-	-	9	6,100	272,171	-2,10%	10	7,600	272,096	15	12,100	269,095	16	15,100	269,395	17	-	-	18	-	-	33	16,664	268,353	3,2	3,7
1107+0,000			33	-14,389	268,605	18	-	-	17	-	-	16	-11,100	270,798	15	-9,100	270,598	10	-7,600	271,598	9	-6,100	271,673	-5,00%	8	-	-	-	7	-3,600	271,798	-4,90%	268,842	271,974	3,132	7	3,600	272,151	4,90%	8	-	-	-	9	6,100	272,098	-2,10%	10	7,600	272,023	15	9,100	271,023	16	11,100	271,223	17	-	-	18	-	-	33	14,915	268,680	3,0	3,3
1108+0,000			33	-14,080	268,739	18	-	-	17	-	-	16	-11,100	270,725	15	-9,100	270,525	10	-7,600	271,525	9	-6,100	271,600	-5,00%	8	-	-	-	7	-3,600	271,725	-4,90%	268,996	271,902	2,906	7	3,600	272,078	4,90%	8	-	-	-	9	6,100	272,026	-2,10%	10	7,600	271,951	15	9,100	270,951	16	11,100	271,151	17	-	-	18	-	-	33	14,564	268,841	2,8	3,1
1109+0,000			33	-13,913	268,777	18	-	-	17	-	-	16	-11,100	270,653	15	-9,100	270,453	10	-7,600	271,453	9	-6,100	271,528	-5,00%	8	-	-	-	7	-3,600	271,653	-4,90%	268,996	271,829	2,833	7	3,600	272,006	4,90%	8	-	-	-	9	6,100	271,953	-2,10%	10	7,600	271,878	15	9,100	270,878	16	11,100	271,078	17	-	-	18	-	-	33	14,376	268,894	2,7	3,0
1110+0,000			33	-13,826	268,763	18	-	-	17	-	-	16	-11,100	270,580	15	-9,100	270,380	10	-7,600	271,380	9	-6,100	271,455	-5,00%	8	-	-	-	7	-3,600	271,580	-4,90%	268,974	271,757	2,783	7	3,600	271,933	4,90%	8	-	-	-	9	6,100	271,881	-2,10%	10	7,600	271,806	15	9,100	270,806	16	11,100	271,006	17	-	-	18	-	-	33	14,282	268,884	2,6	2,9
1111+0,000		PCV	33	-13,724	268,758	18	-	-	17	-	-	16	-11,100	270,508	15	-9,100	270,308	10	-7,600	271,308	9	-6,100	271,383	-5,00%	8	-	-	-	7	-3,600	271,508	-4,90%	268,958	271,684	2,726	7	3,600	271,861	4,90%	8	-	-	-	9	6,100	271,808	-2,10%	10	7,600	271,733	15	9,100	270,733	16	11,100	270,933	17	-	-	18	-	-	33	14,215	268,857	2,5	2,9
1112+0,000			33	-13,601	268,792	18	-	-	17	-	-	16	-11,100	270,459	15	-9,100	270,259	10	-7,600	271,259	9	-6,100	271,334	-5,00%	8	-	-	-	7	-3,600	271,459	-4,90%	269,016	271,636	2,619	7	3,600	271,812	4,90%	8	-	-	-	9	6,100	271,759	-2,10%	10	7,600	271,684	15	9,100	270,684	16	11,100	270,884	17	-	-	18	-	-	33	14,124	268,868	2,5	2,8
1112+10,000			33	-13,564	268,810	18	-	-	17	-	-	16	-11,100	270,453	15	-9,100	270,253	10	-7,600	271,253	9	-6,100	271,328	-5,00%	8	-	-	-	7	-3,600	271,453	-4,90%	268,986	271,629	2,643	7	3,600	271,805	4,90%	8	-	-	-	9	6,100	271,753	-2,10%	10	7,600	271,678	15	9,100	270,678	16	11,100	270,878	17	-	-	18	-	-	33	14,194	268,815	2,4	2,9
1112+10,524			33	-13,562	268,811	18	-	-	17	-	-	16	-11,100	270,452	15	-9,100	270,252	10	-7,600	271,253	9	-6,100	271,328	-5,00%	8	-	-	-	7	-3,600	271,453	-4,90%	268,984	271,629	2,645	7	3,600	271,805	4,90%	8	-	-	-	9	6,100	271,753	-2,10%	10	7,600	271,678	15	9,100	270,678	16	11,100	270,878	17	-	-	18	-	-	33	14,203	268,809	2,4	2,9
1113+0,000			33	-13,507	268,853	18	-	-	17	-	-	16	-11,100	270,458	15	-9,100	270,258	10	-7,600	271,258	9	-6,100	271,333	-5,00%	8	-	-	-	7	-3,600	271,458	-4,90%	268,956	271,634	2,679	7	3,600	271,811	4,90%	8	-	-	-	9	6,100	271,758	-2,10%	10	7,600	271,683	15	9,100	270,683	16	11,100	270,883	17	-	-	18	-	-	33	14,379	268,697	2,4	3,0
1113+12,019			33	-13,444	268,917	18	-	-	17	-	-	16	-11,100	270,480	15	-9,100	270,280	10	-7,600	271,280	9	-6,100	271,355	-5,00%	8	-	-	-	7	-3,600	271,480	-4,90%	268,909	271,656	2,748	7	3,600	271,833	4,90%	8	-	-	-	9	6,100	271,780	-2,10%	10	7,600	271,705	15	9,100	270,705	16	11,100	270,905	17	-	-	18	-	-	33	14,587	268,580	2,4	3,1
1114+0,000		PTV	33	-13,435	268,947	18	-	-	17	-	-	16	-11,100	270,504	15	-9,100	270,304	10	-7,600	271,304	9	-6,100	271,379	-5,00%	8	-	-	-	7	-3,600	271,504	-4,90%	268,875	271,681	2,806	7	3,600	271,857	4,90%	8	-	-	-	9	6,100	271,804	-2,10%	10	7,600	271,729	15	9,100	270,729	16	11,100	270,929	17	-	-	18	-	-	33	14,758	268,490	2,4	3,2
1115+0,000			33	-13,730	268,821	18	-	-	17	-	-	16	-11,100	270,574	15	-9,100	270,374	10	-7,600	271,374	9	-6,100	271,449	-5,00%	8	-	-	-	7	-3,600	271,574	-4,90%	268,723	271,751	3,028	7	3,600	271,927	4,90%	8	-	-	-	9	6,100	271,874	-2,10%	10	7,600	271,799	15	9,100	270,799	16	11,100	270,999	17	-	-	18	-	-	33	14,997	268,401	2,6	3,4
1116+0,000			33	-13,896	268,780	18	-	-	17	-	-	16	-11,100	270,644	15	-9,100	270,444	10	-7,600	271,444	9	-6,100	271,519	-5,00%	8	-	-	-	7	-3,600	271,644	-4,90%	268,504	271,821	3,316	7	3,600	271,997	4,90%	8	-	-	-	9	6,100	271,944	-2,10%	10	7,600	271,869	15	9,100	270,869	16	11,100	271,069	17	-	-	18	-	-	33	15,167	268,358	2,7	3,5
1117+0,000			33	-14,121	268,700	18	-	-	17	-	-	16	-11,100	270,714	15	-9,100	270,514	10	-7,600	271,514	9	-6,100	271,589	-5,00%	8	-	-	-	7	-3,600	271,714	-4,90%	268,314	271,891	3,576	7	3,600	272,067	4,90%	8	-	-	-	9	6,100	272,014	-2,10%	10	7,600	271,939	15	9,100	270,939	16	11,100	271,139	17	-	-	18	-	-	33	15,431	268,252	2,8	3,7
1118+0,000			33	-14,291	268,657	18	-	-	17	-	-	16	-11,100	270,784	15	-9,100	270,584	10	-7,600	271,584	9	-6,100	271,659	-5,00%	8	-	-	-	7	-3,600	271,784	-4,90%	268,418	271,961	3,542	7	3,600	272,137	4,90%	8	-	-	-	9	6,100	272,084	-2,10%	10	7,600	272,009	15	9,100	271,009	16	11,100	271,209	17	-	-	18	-	-	33	15,204	268,473	2,9	3,5
1119+0,000			33	-14,511	268,580	18	-	-	17	-	-	16	-11,100	270,854	15	-9,100	270,654	10	-7,600	271,654	9	-6,100	271,729	-5,00%	8	-	-	-	7	-3,600	271,854	-4,90%	268,450	272,031	3,581	7	3,600	272,207	4,90%	8	-	-	-	9	6,100	272,154	-2,10%	10	7,600	272,079	15	9,100	271,079	16	11,100	271,279	17	-	-	18	-	-	33	15,028	268,661	3,1	3,4
1120+0,000			33	-14,694	268,528	18	-	-	17	-	-	16	-11,100	270,924	15	-9,100	270,724	10	-7,600	271,724	9	-6,100	271,799	-5,00%	8	-	-	-	7	-3,600	271,924	-4,90%	268,474	272,101	3,627	7	3,600	272,277	4,90%	8	-	-	-	9	6,100	272,224	-2,10%	10	7,600	272,149	15	9,100	271,149	16	11,100	271,349	17	-	-	18	-	-	33	15,127	268,665	3,2	3,5
1121+0,000			33	-14,728	268,575	18	-	-	17	-	-	16	-11,100	270,994	15	-9,100	270,794	10	-7,600	271,794	9	-6,100	271,869	-5,00%	8	-	-	-	7	-3,600	271,994	-4,90%	268,632	272,171	3,538	7	3,600	272,347	4,90%	8	-	-	-	9	6,100	272,294	-2,10%	10	7,600	272,219	15	9,100	271,219	16	11,100	271,419	17	-	-	18	-	-	33	15,080	268,766	3,2	3,5
1122+0,000			33	-14,577	268,746	18	-	-	17	-	-	16	-11,100	271,064	15	-9,100	270,864	10	-7,600	271,864	9	-6,100	271,939	-5,00%	8	-	-	-	7	-3,600	272,064	-4,90%	269,006	272,241	3,234	7	3,600	272,417	4,90%	8	-	-	-	9	6,100	272,364	-2,10%	10	7,600	272,289	15	9,100	271,289	16	11,100	271,489	17	-	-	18	-	-	33	14,948	268,924	3,1	3,4
1123+0,000			33	-14,473	268,885	18	-	-	17	-	-	16	-11,100	271,134	15	-9,100	270,934	10	-7,600	271,934	9	-6,100	272,009	-5,00%	8	-	-	-	7	-3,600	272,134	-4,90%	269,011	272,311	3,299	7	3,600	272,487	4,90%	8	-	-	-	9	6,100	272,434	-2,10%	10	7,600	272,359	15	9,100	271,359	16	11,100	271,559	17	-	-	18	-	-	33	15,127	268,874	3,0	3,5
1124+0,000			33	-14,451	268,970	18	-	-	17	-	-	16	-11,100	271,204	15	-9,100	271,004	10	-7,600	272,004	9	-6,100	272,079	-5,00%	8	-	-	-	7	-3,600	272,204	-4,90%	269,007	272,381	3,374	7	3,600	272,557	4,90%	8	-	-	-	9	6,100	272,504	-2,10%	10	7,600	272,429	15	9,100	271,429	16	11,100	271,629	17	-	-	18	-	-	33	15,362	268,788	3,0	3,6
1124+0,579	CE		33	-14,451	268,972	18	-	-	17	-	-	16	-11,100	271,206	15	-9,100	271,006	10	-7,600	272,006	9	-6,100	272,081	-5,00%	8	-	-	-	7	-3,600	272,206	-4,90%	269,006	272,383	3,377	7	3,600	272,559	4,90%	8	-	-	-	9	6,100	272,506	-2,10%	10	7,600	272,431	15	9,100	271,431	16	11,100	271,631	17	-	-	18	-	-	33	15,370	268,785	3,0	3,6
1125+0,000			33	-14,534	269,019	18	-	-	17	-	-	16	-11,100	271,308	15	-9,100	271,108	10	-7,600	272,108	9	-6,100	272,183	-5,00%	8	-	-	-	7	-3,600	272,308	-3,95%	269,018	272,451	3,432	7	3,600	272,593	3,95%	8	-	-	-	9	6,100	272,504	-3,55%	10	7,600	272,429	15	9,100	271,429	16	11,100	271,629	17	-	-	18	-	-	33	15,432	268,741	3,1	3,7
1125+19,354			33	-14,641	269,050	18	-	-	17	-	-	16	-11,100	271,410	15	-9,100	271,210	10	-7,600	272,210	9	-6,100	272,285	-5,00%	8	-	-	-	7	-3,600	272,410	-3,00%	268,909	272,518	3,610	7	3,600	272,626	3,00%	8	-	-	-	9	6,100	272,501	-5,00%	10	7,600	272,426	15	9,100	271,426	16	11,100	271,626	17	-	-	18	-	-	33	15,491	268,699	3,2	3,7
1126+0,000			33	-14,644	269,050	18	-	-	17	-	-	16	-11,100	271,412	15	-9,100	271,212	10	-7,600	272,213	9	-6,100	272,288	-5,00%	8	-	-	-	7	-3,600	272,413	-3,00%	268,909	272,521	3,612	7	3,600	272,627	2,97%	8	-	-	-	9	6,100	272,502	-5,00%	10	7,600	272,427	15	9,100	271,427	16	11,100	271,627	17	-	-	18	-	-	33	15,495	268,698	3,2	3,7
1126+10,000		PCV	33	-14,688	269,056	18	-	-	17	-	-	16	-11,100	271,447	15	-9,100	271,247	10	-7,600	272,248	9	-6,100	272,323	-5,00%	8	-	-	-	7	-3,600	272,448	-3,00%	268,896	272,556	3,659	7	3,600	272,645	2,48%	8	-	-	-	9	6,100	272,520	-5,00%	10	7,600	272,445	15	9,100	271,445	16	11,100	271,645	17	-	-	18	-	-	33	15,489	268,719	3,2	3,7
1126+19,762			33	-14,721	269,062	18	-	-	17	-	-	16	-11,100	271,476	15	-9,100	271,276	10	-7,600	272,276	9	-6,100	272,351	-5,00%	8	-	-	-	7	-3,600	272,476	-3,00%	268,885	272,584	3,700	7	3,600	272,656	2,00%	8	-	-	-	9	6,100	272,531	-5,00%	10	7,600	272,456	15	9,100	271,456	16	11,100	271,656	17	-	-	18	-	-	33	15,413	268,781	3,2	3,7
1127+0,000			33	-14,722	269,062	18	-	-	17	-	-	16	-11,100	271,477	15	-9,100	271,277	10	-7,600	272,277	9	-6,100	272,352	-5,00%	8	-	-	-	7	-3,600	272,477	-3,00%	268,882	272,585	3,702	7	3,600	272,656	1,99%	8	-	-	-	9	6,100	272,531	-5,00%	10	7,600	272,456	15	9,100	271,456	16	11,100	271,656	17	-	-	18	-	-	33	15,415	268,779	3,2	3,7
1128+0,000			33	-14,732	269,079	18	-	-	17	-	-	16	-11,100	271,500	15	-9,100	271,300	10	-7,600	272,300	9	-6,100	272,375	-5,00%	8	-	-	-	7	-3,600	272,500	-3,00%	268,698	272,608	3,910	7	3,600	272,644	1,01%	8	-	-	-	9	6,100	272,519	-5,00%	10	7,600	272,444	15	9,100	271,444	16	11,100	271,644	17	-	-	18	-	-	33	15,504	268,708	3,2	3,7
1129+0,000			33	-14,941	268,916	18	-	-	17	-	-	16	-11,100	271,477	15	-9,100	271,277	10	-7,600	272,277	9	-6,100	272,352	-5,00%	8	-	-	-	7	-3,600	272,477	-3,00%	268,739	272,585	3,846	7	3,600	272,586	0,03%	8	-	-	-	9	6,100	272,461	-5,00%	10	7,600	272,386	15	9,100	271,386	16	11,100	271,586	17	-	-	18	-	-	33	15,402	268,718	3,4	3,7
1129+0,579	ET		33	-14,937	268,918	18	-	-	17	-	-	16	-11,100	271,475	15	-9,100	271,275	10	-7,600	272,275	9	-6,100	272,350	-5,00%	8	-	-	-	7	-3,600	272,475	-3,00%	268,738	272,583	3,845	7	3,600	272,583	0,00%	8	-	-	-	9	6,100	272,458	-5,00%	10	7,600	272,383	15	9,100	271,383	16	11,100	271,583	17	-	-	18	-	-	33	15,394	268,721	3,4	3,7
1129+10,000		PTV	33	-14,987	268,856	18	-	-	17	-	-	16	-11,100	271,448	15	-9,100	271,248	10	-7,600	272,248	9	-6,100	272,323	-5,00%	8	-	-	-	7	-3,600	272,448	-3,00%	268,728	272,556	3,828	7	3,600	272,539	-0,46%	8	-	-	-	9	6,100	272,414	-5,00%	10	7,600	272,339	15	9,100	271,339	16	11,100	271,539	17	-	-	18	-	-	33	15,252	268,771	3,4	3,6
1130+0,000			33	-15,057	268,775	18	-	-	17	-	-	16	-11,100	271,413	15	-9,100	271,213	10	-7,600	272,213	9	-6,100	272,288	-5,00%	8	-	-	-	7	-3,600	272,413	-3,00%	268,718	272,521	3,803	7	3,600	272,486	-0,95%	8	-	-	-	9	6,100	272,361	-5,00%	10	7,600	272,286	15	9,100	271,286	16	11,100	271,486	17	-	-	18	-	-	33	15,136	268,796	3,4	3,5
1131+0,000			33	-15,072	268,695	18	-	-	17	-	-	16	-11,100	271,343	15	-9,100	271,143	10	-7,600	272,143	9	-6,100	272,218	-5,00%	8	-	-	-	7	-3,600	272,343	-3,00%	268,733	272,451	3,718	7	3,600	272,381	-1,93%	8	-	-	-	9	6,100	272,256	-5,00%	10	7,600	272,181	15	9,100	271,181	16	11,100	271,381	17	-	-	18	-	-	33	14,826	268,897	3,4	3,3
1132+0,000			33	-14,971	268,692	18	-	-	17	-	-	16	-11,100	271,273	15	-9,100	271,073	10	-7,600	272,073	9	-6,100	272,148	-5,00%	8	-	-	-	7	-3,600	272,273	-3,00%	268,728	272,381	3,653	7	3,600	272,276	-2,91%	8	-	-	-	9	6,100	272,151	-5,00%	10	7,600	272,076	15	9,100	271,076	16	11,100	271,276	17	-	-	18	-	-	33	14,889	268,750	3,4	3,3
1132+1,803			33	-14,954	268,697	18	-	-	17	-	-	16	-11,100	271,266	15	-9,100	271,066	10	-7,600	272,066	9	-6,100	272,141	-5,00%	8	-	-	-	7	-3,600	272,266	-3,00%	268,728	272,374	3,647	7	3,600	272,266	-3,00%	8	-	-	-	9	6,100	272,141	-5,00%	10	7,600	272,066	15	9,100	271,066	16	11,100	271,266	17	-	-	18	-	-	33	14,877	268,748	3,4	3,3
1133+0,000			33	-14,845	268,706	18	-	-	17	-	-	16	-11,100	271,203	15	-9,100	271,003	10	-7,600	272,003	9	-6,100	272,078	-5,00%	8	-	-	-	7	-3,600	272,203	-3,00%	268,724	272,311	3,587	7	3,600	272,203	-3,00%	8	-	-	-	9	6,100	272,078	-5,00%	10	7,600	272,003	15	9,100	271,003	16	11,100	271,203	17	-	-	18	-	-	33	14,932	268,648	3,3	3,4
1134+0,000			33	-14,800	268,666	18	-	-	17	-	-	16	-11,100	271,133	15	-9,100	270,933	10	-7,600	271,933	9	-6,100	272,008	-5,00%	8	-	-	-	7	-3,600	272,133	-3,00%	268,721	272,241	3,520	7	3,600	272,133	-3,00%	8	-	-	-	9	6,100	272,008	-5,00%	10	7,600	271,933	15	9,100	270,933	16	11,100	271,133	17	-	-	18	-	-	33	14,913	268,590	3,3	3,3
1134+2,619			33	-14,794	268,661	18	-	-	17	-	-	16	-11,100	271,124	15	-9,100	270,924	10	-7,600	271,924	9	-6,100	271,999	-5,00%	8	-	-	-	7	-3,600	272,124	-3,00%	268,735	272,232	3,497	7	3,600	272,124	-3,00%	8	-	-	-	9	6,100	271,999	-5,00%	10	7,600	271,924	15	9,100	270,924	16	11,100	271,124	17	-	-	18	-	-	33	14,908	268,585	3,3	3,3
1135+0,000			33	-14,774	268,614	18	-	-	17	-	-	16	-11,100	271,063	15	-9,100	270,863	10	-7,600	271,863	9	-6,100	271,938	-5,00%	8	-	-	-	7	-3,600	272,063	-3,00%	268,824	272,171	3,347	7	3,600	272,063	-3,00%	8	-	-	-	9	6,100	271,938	-5,00%	10	7,600	271,863	15	9,100	270,863	16	11,100	271,063	17	-	-	18	-	-	33	14,811	268,589	3,2	3,3
1136+0,000			33	-14,585	268,670	18	-	-	17	-	-	16	-11,100	270,993	15	-9,100	270,793	10	-7,600	271,793	9	-6,100	271,868	-5,00%	8	-	-	-	7	-3,600	271,993	-3,00%	268,990	272,101	3,111	7	3,600	271,993	-3,00%	8	-	-	-	9	6,100	271,868	-5,00%	10	7,600	271,793	15	9,100	270,793	16	11,100	270,993	17	-	-	18	-	-	33	14,482	268,738	3,1	3,1
1137+0,000			33	-14,385	268,733	18	-	-	17	-	-	16	-11,100	270,923	15	-9,100	270,723	10	-7,600	271,723	9	-6,100	271,798	-5,00%	8	-	-	-	7	-3,600	271,923	-3,00%	268,918	272,031	3,113	7	3,600	271,923	-3,00%	8	-	-	-	9	6,100	271,798	-5,00%	10	7,600	271,723	15	9,100	270,723	16	11,100	270,923	17	-	-	18	-	-	33	14,557	268,619	3,0	3,1
1138+0,000			33	-14,354	268,684	18	-	-	17	-	-	16	-11,100	270,853	15	-9,100	270,653	10	-7,600	271,653	9	-6,100	271,728	-5,00%	8	-	-	-	7	-3,600	271,853	-3,00%	268,589	271,961	3,372	7	3,600	271,853	-3,00%	8	-	-	-	9	6,100	271,728	-5,00%	10	7,600	271,653	15	9,100	270,653	16	11,100	270,853	17	-	-	18	-	-	33	14,599	268,520	3,0	3,1
1139+0,000			33	-14,249	268,684	18	-	-	17	-	-	16	-11,100	270,783	15	-9,100	270,583	10	-7,600	271,583	9	-6,100	271,658	-5,00%	8	-	-	-	7	-3,600	271,783	-3,00%	268,786	271,891	3,105	7	3,600	271,783	-3,00%	8	-	-	-	9	6,100	271,658	-5,00%	10	7,600	271,583	15	9,100	270,583	16	11,100	270,783	17	-	-	18	-	-	33	14,557	268,478	2,9	3,1
1140+0,000			33	-14,062	268,739	18	-	-	17	-	-	16	-11,100	270,713	15	-9,100	270,513	10	-7,600	271,513	9	-6,100	271,588	-5,00%	8	-	-	-	7	-3,600	271,713	-3,00%	268,780	271,821	3,041	7	3,600	271,713	-3,00%	8	-	-	-	9	6,100	271,588	-5,00%	10	7,600	271,513	15	9,100	270,513	16	11,100	270,713	17	-	-	18	-	-	33	14,540	268,420	2,8	3,1
1141+0,000			33	-14,039	268,684	18	-	-	17	-	-	16	-11,100	270,643	15	-9,100	270,443	10	-7,600	271,443	9	-6,100	271,518	-5,00%	8	-	-	-	7	-3,600	271,643	-3,00%	268,698	271,751	3,054	7	3,600	271,643	-3,00%	8	-	-	-	9	6,100	271,518	-5,00%	10	7,600	271,443	15	9,100	270,443	16	11,100	270,643	17	-	-	18	-	-	33	14,574	268,327	2,8	3,1
1142+0,000			33	-14,235	268,483	18	-	-	17	-	-	16	-11,100	270,573	15	-9,100	270,373	10	-7,600	271,373	9	-6,100	271,448	-5,00%	8	-	-	-	7	-3,600	271,573	-3,00%	268,507	271,681	3,174	7	3,600	271,573	-3,00%	8	-	-	-	9	6,100	271,448	-5,00%	10	7,600	271,373	15	9,100	270,373	16	11,100	270,573	17	-	-	18	-	-	33	14,633	268,218	2,9	3,2
1143+0,000			33	-14,394	268,307	18	-	-	17	-	-	16	-11,100	270,503	15	-9,100	270,303	10	-7,600	271,303	9	-6,100	271,378	-5,00%	8	-	-	-	7	-3,600	271,503	-3,00%	268,421	271,611	3,191	7	3,600	271,503	-3,00%	8	-	-	-	9	6,100	271,378	-5,00%	10	7,600	271,303	15	9,100	270,303	16	11,100	270,503	17	-	-	18	-	-	33	14,627	268,152	3,0	3,2
1144+0,000			33	-14,532	268,145	18	-	-	17	-	-	16	-11,100	270,433	15	-9,100	270,233	10	-7,600	271,233	9	-6,100	271,308	-5,00%	8	-	-	-	7	-3,600	271,433	-3,00%	268,470	271,541	3,072	7	3,600	271,433	-3,00%	8	-	-	-	9	6,100	271,308	-5,00%	10	7,600	271,233	15	9,100	270,233	16	11,100	270,433	17	-	-	18	-	-	33	14,546	268,136	3,1	3,1
1144+10,000		PCV	33	-14,455	268,162	18	-	-	17	-	-	16	-11,100	270,398	15	-9,100	270,198	10	-7,600	271,198	9	-6,100	271,273	-5,00%	8	-	-	-	7	-3,600	271,398	-3,00%	268,399	271,506	3,107	7	3,600	271,398	-3,00%	8	-	-	-	9	6,100	271,273	-5,00%	10	7,600	271,198	15	9,100	270,198	16	11,100	270,398	17	-	-	18	-	-	33	14,472	268,151	3,0	3,0
1145+0,000			33	-14,303	268,234	18	-	-	17	-	-	16	-11,100	270,369	15	-9,100	270,169	10	-7,600	271,169	9	-6,100	271,244	-5,00%	8	-	-	-	7	-3,600	271,369	-3,00%	268,327	271,477	3,150	7	3,600	271,369	-3,00%	8	-	-	-	9	6,100	271,244	-5,00%	10	7,600	271,169	15	9,100	270,169	16	11,100	270,369	17	-	-	18	-	-	33	14,549	268,070	2,9	3,1
1146+0,000			33	-14,236	268,256	18	-	-	17	-	-	16	-11,100	270,346	15	-9,100	270,146	10	-7,600	271,146	9	-6,100	271,221	-5,00%	8	-	-	-	7	-3,600	271,346	-3,00%	268,107	271,454	3,347	7	3,600	271,346	-3,00%	8	-	-	-	9	6,100	271,221	-5,00%	10	7,600	271,146	15	9,100	270,146	16	11,100	270,346	17	-	-	18	-	-	33	14,330	268,192	2,9	3,0
1147+0,000			33	-14,241	268,275	18	-	-	17	-	-	16	-11,100	270,369	15	-9,100	270,169	10	-7,600	271,169	9	-6,100	271,244	-5,00%	8	-	-	-	7	-3,600	271,369	-3,00%	268,184	271,477	3,294	7	3,600	271,369	-3,00%	8	-	-	-	9	6,100	271,244	-5,00%	10	7,600	271,169	15	9,100	270,169	16	11,100	270,369	17	-	-	18	-	-	33	14,188	268,310	2,9	2,9
1147+10,000		PTV	33	-14,241	268,275	18	-	-	17	-	-	16	-11,100	270,369	15	-9,100	270,169	10	-7,600	271,171	9	-6,100	271,244	-5,00%	8	-	-	-	7	-3,600	271,369	-3,00%	268,176	271,506	3,331	7	3,600	271,369	-3,00%	8	-	-	-	9	6,100	271,244	-5,00%	10	7,600	271,169	15	9,100	270,169	16	11,100	270,369	17	-	-	18	-	-	33	41,168	268,310	2,9	2,9
1148+0,000			33	-14,334	268,277	18	-	-	17	-	-	16	-11,100	270,433	15	-9,100	270,233	10	-7,600	271,233	9	-6,100	271,308	-5,00%	8	-	-	-	7	-3,600	271,433	-3,00%	268,168	271,541	3,374	7	3,600	271,433	-3,00%	8	-	-	-	9	6,100	271,308	-5,00%	10	7,600	271,233	15	9,100	270,233	16	11,100	270,433	17	-	-	18	-	-	33	14,144	268,404	3,0	2,8
1149+0,000			33	-14,263	268,394	18	-	-	17	-	-	16	-11,100	270,503	15	-9,100	270,303	10	-7,600	271,303	9	-6,100	271,378	-5,00%	8	-	-	-	7	-3,600	271,503	-3,00%	268,129	271,611	3,482	7	3,600	271,503	-3,00%	8	-	-	-	9	6,100	271,378	-5,00%	10	7,600	271,303	15	9,100	270,303	16	11,100	270,503	17	-	-	18	-	-	33	14,306	268,366	2,9	2,9
1150+0,000			33	-14,306	268,436	18	-	-	17	-	-	16	-11,100	270,573	15	-9,100	270,373	10	-7,600	271,373	9	-6,100	271,448	-5,00%	8	-	-	-	7	-3,600	271,573	-3,00%	268,121	271,681	3,560	7	3,600	271,573	-3,00%	8	-	-	-	9	6,100	271,448	-5,00%	10	7,600	271,373	15	9,100	270,373	16	11,100	270,573	17	-	-	18	-	-	33	14,643	268,211	2,9	3,2
1151+0,000			33	-14,154	268,607	18	-	-	17	-	-	16	-11,100	270,643	15	-9,100	270,443	10	-7,600	271,443	9	-6,100	271,518	-5,00%	8	-	-	-	7	-3,600	271,643	-3,00%	268,251	271,751	3,500	7	3,600	271,643	-3,00%	8	-	-	-	9	6,100	271,518	-5,00%	10	7,600	271,443	15	9,100	270,443	16	11,100	270,643	17	-	-	18	-	-	33	14,748	268,211	2,8	3,2
1152+0,000			33	-14,041	268,752	18	-	-	17	-	-	16	-11,100	270,713	15	-9,100	270,513	10	-7,600	271,513	9	-6,100	271,588	-5,00%	8	-	-	-	7	-3,600	271,713	-3,00%	268,472	271,821	3,349	7	3,600	271,713	-3,00%	8	-	-	-	9	6,100	271,588	-5,00%	10	7,600	271,513	15	9,100	270,513	16	11,100	270,713	17	-	-	18	-	-	33	14,971	268,133	2,8	3,4
1153+0,000			33	-13,981	268,863	18	-	-	17	-	-	16	-11,100	270,783	15	-9,100	270,583	10	-7,600	271,583	9	-6,100	271,658	-5,00%	8	-	-	-	7	-3,600	271,783	-3,00%	268,590	271,891	3,301	7	3,600	271,783	-3,00%	8	-	-	-	9	6,100	271,658	-5,00%	10	7,600	271,583	15	9,100	270,583	16	11,100	270,783	17	-	-	18	-	-	33	15,014	268,174	2,7	3,4
1154+0,000			33	-13,933	268,964	18	-	-	17	-	-	16	-11,100	270,853	15	-9,100	270,653	10	-7,600	271,653	9	-6,100	271,728	-5,00%	8	-	-	-	7	-3,600	271,853	-3,00%	268,730	271,961	3,231	7	3,600	271,853	-3,00%	8	-	-	-	9	6,100	271,728	-5,00%	10	7,600	271,653	15	9,100	270,653	16	11,100	270,853	17	-	-	18	-	-	33	14,844	268,357	2,7	3,3
1155+0,000			33	-14,019	268,977	18	-	-	17	-	-	16	-11,100	270,923	15	-9,100	270,723	10	-7,600	271,723	9	-6,100	271,798	-5,00%	8	-	-	-	7	-3,600	271,923	-3,00%	268,749	272,031	3,282	7	3,600	271,923	-3,00%	8	-	-	-	9	6,100	271,798	-5,00%	10	7,600	271,723	15	9,100	270,723	16	11,100	270,923	17	-	-	18	-	-	33	14,889	268,397	2,7	3,3
1156+0,000			33	-14,162	268,951	18	-	-	17	-	-	16	-11,100	270,993	15	-9,100	270,793	10	-7,600	271,793	9	-6,100	271,868	-5,00%	8	-	-	-	7	-3,600	271,993	-3,00%	268,661	272,101	3,440	7	3,600	271,993	-3,00%	8	-	-	-	9	6,100	271,868	-5,00%	10	7,600	271,793	15	9,100	270,793	16	11,100	270,993	17	-	-	18	-	-	33	14,937	268,435	2,8	3,4
1157+0,000			33	-13,965	269,153	18	-	-	17	-	-	16	-11,100	271,063	15	-9,100	270,863	10	-7,600	271,863	9	-6,100	271,938	-5,00%	8	-	-	-	7	-3,600	272,063	-3,00%	268,915	272,171	3,256	7	3,600	272,063	-3,00%	8	-	-	-	9	6,100	271,938	-5,00%	10	7,600	271,863	15	9,100	270,863	16	11,100	271,063	17	-	-	18	-	-	33	14,749	268,630	2,7	3,2
1158+0,000			33	-13,535	269,509	18	-	-	17	-	-	16	-11,100	271,133	15	-9,100	270,933	10	-7,600	271,933	9	-6,100	272,008	-5,00%	8	-	-	-	7	-3,600	272,133	-3,00%	269,325	272,241	2,916	7	3,600	272,133	-3,00%	8	-	-	-	9	6,100	272,008	-5,00%	10	7,600	271,933	15	9,100	270,933	16	11,100	271,133	17	-	-	18	-	-	33	14,370	268,953	2,4	3,0
1159+0,000			33	-13,382	269,681	18	-	-	17	-	-	16	-11,100	271,203	15	-9,100	271,003	10	-7,600	272,003	9	-6,100	272,078	-5,00%	8	-	-	-	7	-3,600	272,203	-3,00%	269,587	272,311	2,724	7	3,600	272,203	-3,00%	8	-	-	-	9	6,100	272,078	-5,00%	10	7,600	272,003	15	9,100	271,003	16	11,100	271,203	17	-	-	18	-	-	33	14,321	269,055	2,3	2,9
1160+0,000			33	-13,216	269,862	18	-	-	17	-	-	16	-11,100	271,273	15	-9,100	271,073	10	-7,600	272,073	9	-6,100	272,148	-5,00%	8	-	-	-	7	-3,600	272,273	-3,00%	269,905	272,381	2,475	7	3,600	272,273	-3,00%	8	-	-	-	9	6,100	272,148	-5,00%	10	7,600	272,073	15	9,100	271,073	16	11,100	271,273	17	-	-	18	-	-	33	14,292	269,144	2,2	2,9
1161+0,000			33	-11,877	268,291	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	272,143	9	-6,100	272,218	-5,00%	8	-	-	-	7	-3,600	272,343	-3,00%	269,378	272,451	3,073	7	3,600	272,343	-3,00%	8	-	-	-	9	6,100	272,218	-5,00%	10	7,600	272,143	15	12,100	269,142	16	15,100	269,442	17	-	-	18	-	-	33	16,279	268,656	3,9	3,5
1162+0,000			33	-16,052	268,878	18	-	-	17	-	-	16	-15,100	269,512	15	-12,100	269,212	10	-7,600	272,212	9	-6,100	272,287	-5,00%	8	-	-	-	7	-3,600	272,412	-3,00%	268,507	272,520	4,014	7	3,600	272,412	-3,00%	8	-	-	-	9	6,100	272,287	-5,00%	10	7,600	272,212	15	12,100	269,212	16	15,100	269,512	17	-	-	18	-	-	33	17,310	268,039	3,3	4,2
1163+0,000			33	-17,038	268,290	18	-	-	17	-	-	16	-15,100	269,582	15	-12,100	269,282	10	-7,600	272,282	9	-6,100	272,357	-5,00%	8	-	-	-	7	-3,600	272,482	-3,00%	268,064	272,590	4,526	7	3,600	272,482	-3,00%	8	-	-	-	9	6,100	272,357	-5,00%	10	7,600	272,282	15	12,100	269,282	16	15,100	269,582	17	-	-	18	-	-	33	17,940	267,689	4,0	4,6
1164+0,000			33	-17,718	267,907	18	-	-	17	-	-	16	-15,100	269,652	15	-12,100	269,352	10	-7,600	272,352	9	-6,100	272,427	-5,00%	8	-	-	-	7	-3,600	272,552	-3,00%	267,753	272,660	4,907	7	3,600	272,552	-3,00%	8	-	-	-	9	6,100	272,427	-5,00%	10	7,600	272,352	15	12,100	269,352	16	15,100	269,652	17	-	-	18	-	-	33	18,406	267,448	4,4	4,9
1165+0,000			33	-18,064	267,746	18	-	-	17	-	-	16	-15,100	269,722	15	-12,100	269,422	10	-7,600	272,422	9	-6,100	272,497	-5,00%	8	-	-	-	7	-3,600	272,622	-3,00%	267,655	272,730	5,075	7	3,600	272,622	-3,00%	8	-	-	-	9	6,100	272,497	-5,00%	10	7,600	272,422	15	12,100	269,422	16	15,100	269,722	17	-	-	18	-	-	33	18,659	267,350	4,7	5,1
1165+10,000		PCV	33	-18,226	267,673	18	-	-	17	-	-	16	-15,100	269,757	15	-12,100	269,457	10	-7,600	272,457	9	-6,100	272,532	-5,00%	8	-	-	-	7	-3,600	272,657	-3,00%	267,555	272,765	5,210	7	3,600	272,657	-3,00%	8	-	-	-	9	6,100	272,532	-5,00%	10	7,600	272,457	15	12,100	269,457	16	15,100	269,757	17	-	-	18	-	-	33	18,795	267,294	4,8	5,2
1166+0,000			33	-18,405	267,582	18	-	-	17	-	-	16	-15,100	269,786	15	-12,100	269,486	10	-7,600	272,486	9	-6,100	272,561	-5,00%	8	-	-	-	7	-3,600	272,686	-3,00%	267,456	272,794	5,339	7	3,600	272,686	-3,00%	8	-	-	-	9	6,100	272,561	-5,00%	10	7,600	272,486	15	12,100	269,486	16	15,100	269,786	17	-	-	18	-	-	33	18,935	267,229	4,9	5,3
1166+18,991			33	-18,663	267,433	18	-	-	17	-	-	16	-15,100	269,808	15	-12,100	269,508	10	-7,600	272,508	9	-6,100	272,583	-5,00%	8	-	-	-	7	-3,600	272,708	-3,00%	267,298	272,816	5,518	7	3,600	272,708	-3,00%	8	-	-	-	9	6,100	272,583	-5,00%	10	7,600	272,508	15	12,100	269,508	16	15,100	269,808	17	-	-	18	-	-	33	19,186	267,084	5,1	5,4
1167+0,000			33	-18,674	267,425	18	-	-	17	-	-	16	-15,100	269,808	15	-12,100	269,508	10	-7,600	272,508	9	-6,100	272,583	-5,00%	8	-	-	-	7	-3,600	272,708	-3,00%	267,289	272,816	5,527	7	3,600	272,708	-3,00%	8	-	-	-	9	6,100	272,583	-5,00%	10	7,600	272,508	15	12,100	269,508	16	15,100	269,808	17	-	-	18	-	-	33	19,186	267,084	5,1	5,4
1168+0,000			33	-18,802	267,313	18	-	-	17	-	-	16	-15,100	269,781	15	-12,100	269,481	10	-7,600	272,481	9	-6,100	272,556	-5,00%	8	-	-	-	7	-3,600	272,681	-3,00%	267,097	272,789	5,692	7	3,600	272,681	-3,00%	8	-	-	-	9	6,100	272,556	-5,00%	10	7,600	272,481	15	12,100	269,481	16	15,100	269,781	17	-	-	18	-	-	33	19,153	267,079	5,2	5,4
1168+10,000		PTV	33	-18,825	267,266	18	-	-	17	-	-	16	-15,100	269,750	15	-12,100	269,450	10	-7,600	272,450	9	-6,100	272,525	-5,00%	8	-	-	-	7	-3,600	272,650	-3,00%	267,021	272,758	5,737	7	3,600	272,650	-3,00%	8	-	-	-	9	6,100	272,525	-5,00%	10	7,600	272,450	15	12,100	269,450	16	15,100	269,750	17	-	-	18	-	-	33	19,124	267,067	5,2	5,4
1169+0,000			33	-18,839	267,220	18	-	-	17	-	-	16	-15,100	269,712	15	-12,100	269,412	10	-7,600	272,413	9	-6,100	272,488	-5,00%	8	-	-	-	7	-3,600	272,613	-3,00%	267,012	272,721	5,709	7	3,600	272,613	-3,00%	8	-	-	-	9	6,100	272,488	-5,00%	10	7,600	272,413	15	12,100	269,412	16	15,100	269,712	17	-	-	18	-	-	33	19,060	267,072	5,2	5,3
1170+0,000			33	-18,880	267,118	18	-	-	17	-	-	16	-15,100	269,638	15	-12,100	269,338	10	-7,600	272,338	9	-6,100	272,413	-5,00%	8	-	-	-	7	-3,600	272,538	-3,00%	266,958	272,646	5,687	7	3,600	272,538	-3,00%	8	-	-	-	9	6,100	272,413	-5,00%	10	7,600	272,338	15	12,100	269,338	16	15,100	269,638	17	-	-	18	-	-	33	18,993	267,042	5,2	5,3
1171+0,000			33	-18,896	267,032	18	-	-	17	-	-	16	-15,100	269,563	15	-12,100	269,263	10	-7,600	272,263	9	-6,100	272,338	-5,00%	8	-	-	-	7	-3,600	272,463	-3,00%	266,930	272,571	5,641	7	3,600	272,463	-3,00%	8	-	-	-	9	6,100	272,338	-5,00%	10	7,600	272,263	15	12,100	269,263	16	15,100	269,563	17	-	-	18	-	-	33	18,921	267,015	5,2	5,2
1172+0,000			33	-18,890	266,961	18	-	-	17	-	-	16	-15,100	269,488	15	-12,100	269,188	10	-7,600	272,188	9	-6,100	272,263	-5,00%	8	-	-	-	7	-3,600	272,388	-3,00%	266,777	272,496	5,720	7	3,600	272,388	-3,00%	8	-	-	-	9	6,100	272,263	-5,00%	10	7,600	272,188	15	12,100	269,188	16	15,100	269,488	17	-	-	18	-	-	33	18,977	266,903	5,2	5,3
1173+0,000			33	-18,877	266,895	18	-	-	17	-	-	16	-15,100	269,413	15	-12,100	269,113	10	-7,600	272,113	9	-6,100	272,188	-5,00%	8	-	-	-	7	-3,600	272,313	-3,00%	266,712	272,421	5,709	7	3,600	272,313	-3,00%	8	-	-	-	9	6,100	272,188	-5,00%	10	7,600	272,113	15	12,100	269,113	16	15,100	269,413	17	-	-	18	-	-	33	19,123	266,731	5,2	5,4
1174+0,000			33	-18,875	266,822	18	-	-	17	-	-	16	-15,100	269,338	15	-12,100	269,038	10	-7,600	272,039	9	-6,100	272,114	-5,00%	8	-	-	-	7	-3,600	272,239	-3,00%	266,605	272,347	5,742	7	3,600	272,239	-3,00%	8	-	-	-	9	6,100	272,114	-5,00%	10	7,600	272,039	15	12,100	269,038	16	15,100	269,338	17	-	-	18	-	-	33	19,474	266,423	5,2	5,6
1175+0,000			33	-18,934	266,707	18	-	-	17	-	-	16	-15,100	269,264	15	-12,100	268,964	10	-7,600	271,964	9	-6,100	272,039	-5,00%	8	-	-	-	7	-3,600	272,164	-3,00%	266,425	272,272	5,846	7	3,600	272,164	-3,00%	8	-	-	-	9	6,100	272,039	-5,00%	10	7,600	271,964	15	12,100	268,964	16	15,100	269,264	17	-	-	18	-	-	33	19,641	266,236	5,3	5,7
1176+0,000			33	-19,062	266,548	18	-	-	17	-	-	16	-15,100	269,189	15	-12,100	268,889	10	-7,600	271,889	9	-6,100	271,964	-5,00%	8	-	-	-	7	-3,600	272,089	-3,00%	266,337	272,197	5,860	7	3,600	272,089	-3,00%	8	-	-	-	9	6,100	271,964	-5,00%	10	7,600	271,889	15	12,100	268,889	16	15,100	269,189	17	-	-	18	-	-	33	19,686	266,131	5,3	5,8
1177+0,000			33	-19,022	266,499	18	-	-	17	-	-	16	-15,100	269,114	15	-12,100	268,814	10	-7,600	271,814	9	-6,100	271,889	-5,00%	8	-	-	-	7	-3,600	272,014	-3,00%	266,597	272,122	5,525	7	3,600	272,014	-3,00%	8	-	-	-	9	6,100	271,889	-5,00%	10	7,600	271,814	15	12,100	268,814	16	15,100	269,114	17	-	-	18	-	-	33	19,533	266,159	5,3	5,7
1177+19,332	PC		33	-18,749	266,609	18	-	-	17	-	-	16	-15,100	269,042	15	-12,100	268,742	10	-7,600	271,742	9	-6,100	271,817	-5,00%	8	-	-	-	7	-3,600	271,942	-3,00%	266,431	272,050	5,619	7	3,600	271,942	-3,00%	8	-	-	-	9	6,100	271,817	-5,00%	10	7,600	271,742	15	12,100	268,742	16	15,100	269,042	17	-	-	18	-	-	33	19,350	266,208	5,1	5,5
1178+0,000			33	-18,730	266,619	18	-	-	17	-	-	16	-15,100	269,039	15	-12,100	268,739	10	-7,600	271,739	9	-6,100	271,814	-5,00%	8	-	-	-	7	-3,600	271,939	-3,00%	266,446	272,047	5,602	7	3,600	271,939	-3,00%	8	-	-	-	9	6,100	271,814	-5,00%	10	7,600	271,739	15	12,100	268,739	16	15,100	269,039	17	-	-	18	-	-	33	19,351	266,205	5,1	5,5
1179+0,000			33	-17,943	267,069	18	-	-	17	-	-	16	-15,100	268,964	15	-12,100	268,664	10	-7,600	271,665	9	-6,100	271,740	-5,00%	8	-	-	-	7	-3,600	271,865	-3,00%	266,826	271,973	5,146	7	3,600	271,865	-3,00%	8	-	-	-	9	6,100	271,740	-5,00%	10	7,600	271,665	15	12,100	268,664	16	15,100	268,964	17	-	-	18	-	-	33	19,117	266,286	4,6	5,4
1180+0,000			33	-17,749	267,124	18	-	-	17	-	-	16	-15,100	268,890	15	-12,100	268,590	10	-7,600	271,590	9	-6,100	271,665	-5,00%	8	-	-	-	7	-3,600	271,790	-3,00%	266,699	271,898	5,199	7	3,600	271,790	-3,00%	8	-	-	-	9	6,100	271,665	-5,00%	10	7,600	271,590	15	12,100	268,590	16	15,100	268,890	17	-	-	18	-	-	33	18,579	266,570	4,5	5,0
1181+0,000			33	-17,451	267,247	18	-	-	17	-	-	16	-13,600	269,815	15	-10,600	269,515	10	-7,600	271,515	9	-6,100	271,590	-5,00%	8	-	-	-	7	-3,600	271,715	-3,00%	267,302	271,823	4,520	7	3,600	271,715	-3,00%	8	-	-	-	9	6,100	271,590	-5,00%	10	7,600	271,515	15	10,600	269,515	16	13,600	269,815	17	-	-	18	-	-	33	17,845	266,985	4,3	4,5
1182+0,000			33	-16,999	267,474	18	-	-	17	-	-	16	-13,600	269,740	15	-10,600	269,440	10	-7,600	271,440	9	-6,100	271,515	-5,00%	8	-	-	-	7	-3,600	271,640	-3,00%	267,575	271,748	4,173	7	3,600	271,640	-3,00%	8	-	-	-	9	6,100	271,515	-5,00%	10	7,600	271,440	15	10,600	269,440	16	13,600	269,740	17	-	-	18	-	-	33	17,358	267,235	4,0	4,2
1183+0,000			33	-16,709	267,593	18	-	-	17	-	-	16	-13,600	269,665	15	-10,600	269,365	10	-7,600	271,365	9	-6,100	271,440	-5,00%	8	-	-	-	7	-3,600	271,565	-3,00%	267,751	271,673	3,922	7	3,600	271,565	-3,00%	8	-	-	-	9	6,100	271,440	-5,00%	10	7,600	271,365	15	10,600	269,365	16	13,600	269,665	17	-	-	18	-	-	33	17,041	267,371	3,8	4,0
1184+0,000			33	-16,606	267,587	18	-	-	17	-	-	16	-13,600	269,590	15	-10,600	269,290	10	-7,600	271,290	9	-6,100	271,365	-5,00%	8	-	-	-	7	-3,600	271,490	-3,00%	267,575	271,598	4,024	7	3,600	271,490	-3,00%	8	-	-	-	9	6,100	271,365	-5,00%	10	7,600	271,290	15	10,600	269,290	16	13,600	269,590	17	-	-	18	-	-	33	17,137	267,233	3,7	4,1
1184+10,000		PCV	33	-16,631	267,532	18	-	-	17	-	-	16	-13,600	269,553	15	-10,600	269,253	10	-7,600	271,253	9	-6,100	271,328	-5,00%	8	-	-	-	7	-3,600	271,453	-3,00%	267,513	271,561	4,048	7	3,600	271,453	-3,00%	8	-	-	-	9	6,100	271,328	-5,00%	10	7,600	271,253	15	10,600	269,253	16	13,600	269,553	17	-	-	18	-	-	33	17,134	267,197	3,7	4,1
1185+0,000			33	-16,647	267,488	18	-	-	17	-	-	16	-13,600	269,519	15	-10,600	269,219	10	-7,600	271,219	9	-6,100	271,294	-5,00%	8	-	-	-	7	-3,600	271,419	-3,00%	267,467	271,527	4,061	7	3,600	271,419	-3,00%	8	-	-	-	9	6,100	271,294	-5,00%	10	7,600	271,219	15	10,600	269,219	16	13,600	269,519	17	-	-	18	-	-	33	16,952	267,284	3,7	3,9
1186+0,000			33	-16,699	267,407	18	-	-	17	-	-	16	-13,600	269,474	15	-10,600	269,174	10	-7,600	271,174	9	-6,100	271,249	-5,00%	8	-	-	-	7	-3,600	271,374	-3,00%	267,377	271,482	4,104	7	3,600	271,374	-3,00%	8	-	-	-	9	6,100	271,249	-5,00%	10	7,600	271,174	15	10,600	269,174	16	13,600	269,474	17	-	-	18	-	-	33	16,606	267,469	3,8	3,7
1187+0,000			33	-16,637	267,432	18	-	-	17	-	-	16	-13,600	269,457	15	-10,600	269,157	10	-7,600	271,157	9	-6,100	271,232	-5,00%	8	-	-	-	7	-3,600	271,357	-3,00%	267,538	271,465	3,927	7	3,600	271,357	-3,00%	8	-	-	-	9	6,100	271,232	-5,00%	10	7,600	271,157	15	10,600	269,157	16	13,600	269,457	17	-	-	18	-	-	33	16,336	267,633	3,7	3,5
1187+1,450			33	-16,634	267,434	18	-	-	17	-	-	16	-13,600	269,457	15	-10,600	269,157	10	-7,600	271,157	9	-6,100	271,232	-5,00%	8	-	-	-	7	-3,600	271,357	-3,00%	267,540	271,465	3,925	7	3,600	271,357	-3,00%	8	-	-	-	9	6,100	271,232	-5,00%	10	7,600	271,157	15	10,600	269,157	16	13,600	269,457	17	-	-	18	-	-	33	16,336	267,633	3,7	3,5
1188+0,000			33	-16,647	267,438	18	-	-	17	-	-	16	-13,600	269,469	15	-10,600	269,169	10	-7,600	271,169	9	-6,100	271,244	-5,00%	8	-	-	-	7	-3,600	271,369	-3,00%	267,623	271,477	3,854	7	3,600	271,369	-3,00%	8	-	-	-	9	6,100	271,244	-5,00%	10	7,600	271,169	15	10,600	269,169	16	13,600	269,469	17	-	-	18	-	-	33	16,403	267,601	3,7	3,6
1189+0,000			33	-16,736	267,420	18	-	-	17	-	-	16	-13,600	269,511	15	-10,600	269,211	10	-7,600	271,211	9	-6,100	271,286	-5,00%	8	-	-	-	7	-3,600	271,411	-3,00%	267,628	271,519	3,891	7	3,600	271,411	-3,00%	8	-	-	-	9	6,100	271,286	-5,00%	10	7,600	271,211	15	10,600	269,211	16	13,600	269,511	17	-	-	18	-	-	33	16,320	267,698	3,8	3,5
1189+10,000		PTV	33	-16,792	267,414	18	-	-	17	-	-	16	-13,600	269,542	15	-10,600	269,242	10	-7,600	271,243	9	-6,100	271,318	-5,00%	8	-	-	-	7	-3,600	271,443	-3,00%	267,634	271,551	3,916	7	3,600	271,443	-3,00%	8	-	-	-	9	6,100	271,318	-5,00%	10	7,600	271,243	15	10,600	269,242	16	13,600	269,542	17	-	-	18	-	-	33	16,294	267,747	3,8	3,5
1190+0,000			33	-16,796	267,447	18	-	-	17	-	-	16	-13,600	269,578	15	-10,600	269,278	10	-7,600	271,278	9	-6,100	271,353	-5,00%	8	-	-	-	7	-3,600	271,478	-3,00%	267,649	271,586	3,937	7	3,600	271,478	-3,00%	8	-	-	-	9	6,100	271,353	-5,00%	10	7,600	271,278	15	10,600	269,278	16	13,600	269,578	17	-	-	18	-	-	33	16,316	267,767	3,8	3,5
1191+0,000			33	-16,784	267,526	18	-	-	17	-	-	16	-13,600	269,648	15	-10,600	269,348	10	-7,600	271,348	9	-6,100	271,423	-5,00%	8	-	-	-	7	-3,600	271,548	-3,00%	267,604	271,656	4,053	7	3,600	271,548	-3,00%	8	-	-	-	9	6,100	271,423	-5,00%	10	7,600	271,348	15	10,600	269,348	16	13,600	269,648	17	-	-	18	-	-	33	16,462	267,741	3,8	3,6
1192+0,000			33	-16,703	267,650	18	-	-	17	-	-	16	-13,600	269,719	15	-10,600	269,419	10	-7,600	271,419	9	-6,100	271,494	-5,00%	8	-	-	-	7	-3,600	271,619	-3,00%	267,620	271,727	4,107	7	3,600	271,619	-3,00%	8	-	-	-	9	6,100	271,494	-5,00%	10	7,600	271,419	15	10,600	269,419	16	13,600	269,719	17	-	-	18	-	-	33	16,573	267,737	3,8	3,7
1193+0,000			33	-16,602	267,788	18	-	-	17	-	-	16	-13,600	269,790	15	-10,600	269,490	10	-7,600	271,490	9	-6,100	271,565	-5,00%	8	-	-	-	7	-3,600	271,690	-3,00%	267,664	271,798	4,134	7	3,600	271,690	-3,00%	8	-	-	-	9	6,100	271,565	-5,00%	10	7,600	271,490	15	10,600	269,490	16	13,600	269,790	17	-	-	18	-	-	33	16,568	267,811	3,7	3,7
1194+0,000			33	-16,653	267,825	18	-	-	17	-	-	16	-13,600	269,860	15	-10,600	269,560	10	-7,600	271,560	9	-6,100	271,635	-5,00%	8	-	-	-	7	-3,600	271,760	-3,00%	267,722	271,868	4,147	7	3,600	271,760	-3,00%	8	-	-	-	9	6,100	271,635	-5,00%	10	7,600	271,560	15	10,600	269,560	16	13,600	269,860	17	-	-	18	-	-	33	16,543	267,898	3,7	3,7
1195+0,000		PCV	33	-16,693	267,869	18	-	-	17	-	-	16	-13,600	269,931	15	-10,600	269,631	10	-7,600	271,631	9	-6,100	271,706	-5,00%	8	-	-	-	7	-3,600	271,831	-3,00%	267,769	271,939	4,170	7	3,600	271,831	-3,00%	8	-	-	-	9	6,100	271,706	-5,00%	10	7,600	271,631	15	10,600	269,631	16	13,600	269,931	17	-	-	18	-	-	33	16,615	267,921	3,8	3,7

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

BR-158/262-MS

LADO ESQUERDO – PLATAFORMA ACABADA | COTAS DE EIXO | LADO DIREITO – PLATAFORMA ACABADA | ALTURAS DOS TALUDES

ESTACA	Elementos do Projeto		Talude			Fim da Segunda Berma			Inicio da Segunda Berma			Fim da Primeira Berma			Inicio da Primeira Berma / Encontro de Talude			Fundo canaleta / Barreira			Acostamento / Faixa de Segurança / Concordância de Pista				Faixa de Aceleração ou Desaceleração				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Faixa de Aceleração ou Desaceleração				Acostamento / Faixa de Segurança / Concordância de Pista				Fundo canaleta / Barreira			Inicio da Primeira Berma / Encontro de Talude			Fim da Primeira Berma			Inicio da Segunda Berma			Fim da Segunda Berma			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota		
1196+0,000			33	-16,679	267,936	18	-	-	17	-	-	16	-13,600	269,989	15	-10,600	269,689	10	-7,600	271,689	9	-6,100	271,764	-5,00%	8	-	-	-	7	-3,600	271,889	-3,00%	267,838	271,997	4,160	7	3,600	271,889	-3,00%	8	-	-	-	9	6,100	271,764	-5,00%	10	7,600	271,689	15	10,600	269,689	16	13,600	269,989	17	-	-	18	-	-	33	16,669	267,943	3,8	3,7
1196+3,022			33	-16,671	267,949	18	-	-	17	-	-	16	-13,600	269,996	15	-10,600	269,696	10	-7,600	271,696	9	-6,100	271,771	-5,00%	8	-	-	-	7	-3,600	271,896	-3,00%	267,848	272,004	4,156	7	3,600	271,896	-3,00%	8	-	-	-	9	6,100	271,771	-5,00%	10	7,600	271,696	15	10,600	269,696	16	13,600	269,996	17	-	-	18	-	-	33	16,701	267,929	3,7	3,8
1197+0,000			33	-16,626	268,006	18	-	-	17	-	-	16	-13,600	270,024	15	-10,600	269,724	10	-7,600	271,724	9	-6,100	271,799	-5,00%	8	-	-	-	7	-3,600	271,924	-3,00%	267,900	272,032	4,132	7	3,600	271,924	-3,00%	8	-	-	-	9	6,100	271,799	-5,00%	10	7,600	271,724	15	10,600	269,724	16	13,600	270,024	17	-	-	18	-	-	33	16,821	267,876	3,7	3,8
1197+18,485			33	-16,637	268,009	18	-	-	17	-	-	16	-13,600	270,034	15	-10,600	269,734	10	-7,600	271,734	9	-6,100	271,809	-5,00%	8	-	-	-	7	-3,600	271,934	-3,00%	267,926	272,042	4,116	7	3,600	271,934	-3,00%	8	-	-	-	9	6,100	271,809	-5,00%	10	7,600	271,734	15	10,600	269,734	16	13,600	270,034	17	-	-	18	-	-	33	16,752	267,933	3,7	3,8
1198+0,000			33	-16,630	268,014	18	-	-	17	-	-	16	-13,600	270,034	15	-10,600	269,734	10	-7,600	271,734	9	-6,100	271,809	-5,00%	8	-	-	-	7	-3,600	271,934	-3,00%	267,927	272,042	4,115	7	3,600	271,934	-3,00%	8	-	-	-	9	6,100	271,809	-5,00%	10	7,600	271,734	15	10,600	269,734	16	13,600	270,034	17	-	-	18	-	-	33	16,749	267,934	3,7	3,8
1199+0,000			33	-16,524	268,071	18	-	-	17	-	-	16	-13,600	270,020	15	-10,600	269,720	10	-7,600	271,720	9	-6,100	271,795	-5,00%	8	-	-	-	7	-3,600	271,920	-3,00%	267,942	272,028	4,086	7	3,600	271,920	-3,00%	8	-	-	-	9	6,100	271,795	-5,00%	10	7,600	271,720	15	10,600	269,720	16	13,600	270,020	17	-	-	18	-	-	33	16,617	268,009	3,6	3,7
1200+0,000			33	-16,343	268,153	18	-	-	17	-	-	16	-13,600	269,982	15	-10,600	269,682	10	-7,600	271,682	9	-6,100	271,757	-5,00%	8	-	-	-	7	-3,600	271,882	-3,00%	268,023	271,990	3,967	7	3,600	271,882	-3,00%	8	-	-	-	9	6,100	271,757	-5,00%	10	7,600	271,682	15	10,600	269,682	16	13,600	269,982	17	-	-	18	-	-	33	16,520	268,035	3,5	3,6
1201+0,000		PTV	33	-16,112	268,245	18	-	-	17	-	-	16	-13,600	269,920	15	-10,600	269,620	10	-7,600	271,620	9	-6,100	271,695	-5,00%	8	-	-	-	7	-3,600	271,820	-3,00%	268,118	271,928	3,810	7	3,600	271,820	-3,00%	8	-	-	-	9	6,100	271,695	-5,00%	10	7,600	271,620	15	10,600	269,620	16	13,600	269,920	17	-	-	18	-	-	33	16,719	267,840	3,4	3,8
1202+0,000			33	-16,048	268,213	18	-	-	17	-	-	16	-13,600	269,845	15	-10,600	269,545	10	-7,600	271,546	9	-6,100	271,621	-5,00%	8	-	-	-	7	-3,600	271,746	-3,00%	267,973	271,854	3,880	7	3,600	271,746	-3,00%	8	-	-	-	9	6,100	271,621	-5,00%	10	7,600	271,546	15	10,600	269,545	16	13,600	269,845	17	-	-	18	-	-	33	16,726	267,761	3,3	3,8
1203+0,000			33	-16,177	268,053	18	-	-	17	-	-	16	-13,600	269,771	15	-10,600	269,471	10	-7,600	271,471	9	-6,100	271,546	-5,00%	8	-	-	-	7	-3,600	271,671	-3,00%	267,836	271,779	3,943	7	3,600	271,671	-3,00%	8	-	-	-	9	6,100	271,546	-5,00%	10	7,600	271,471	15	10,600	269,471	16	13,600	269,771	17	-	-	18	-	-	33	16,845	267,608	3,4	3,9
1204+0,000		PCV	33	-16,257	267,925	18	-	-	17	-	-	16	-13,600	269,697	15	-10,600	269,397	10	-7,600	271,397	9	-6,100	271,472	-5,00%	8	-	-	-	7	-3,600	271,597	-3,00%	267,732	271,705	3,973	7	3,600	271,597	-3,00%	8	-	-	-	9	6,100	271,472	-5,00%	10	7,600	271,397	15	10,600	269,397	16	13,600	269,697	17	-	-	18	-	-	33	16,847	267,532	3,5	3,9
1205+0,000			33	-16,076	267,984	18	-	-	17	-	-	16	-13,600	269,635	15	-10,600	269,335	10	-7,600	271,335	9	-6,100	271,410	-5,00%	8	-	-	-	7	-3,600	271,535	-3,00%	267,783	271,643	3,860	7	3,600	271,535	-3,00%	8	-	-	-	9	6,100	271,410	-5,00%	10	7,600	271,335	15	10,600	269,335	16	13,600	269,635	17	-	-	18	-	-	33	16,699	267,569	3,4	3,8
1206+0,000			33	-12,354	268,128	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	271,298	9	-6,100	271,373	-5,00%	8	-	-	-	7	-3,600	271,498	-3,00%	267,819	271,606	3,787	7	3,600	271,498	-3,00%	8	-	-	-	9	6,100	271,373	-5,00%	10	7,600	271,298	15	-	-	16	-	-	17	-	-	18	-	-	33	13,137	267,607	3,2	3,7
1207+0,000			33	-11,877	268,433	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	271,285	9	-6,100	271,360	-5,00%	8	-	-	-	7	-3,600	271,485	-3,00%	268,123	271,593	3,470	7	3,600	271,485	-3,00%	8	-	-	-	9	6,100	271,360	-5,00%	10	7,600	271,285	15	-	-	16	-	-	17	-	-	18	-	-	33	12,923	267,736	2,9	3,5
1207+0,568			33	-11,864	268,442	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	271,285	9	-6,100	271,360	-5,00%	8	-	-	-	7	-3,600	271,485	-3,00%	268,133	271,593	3,460	7	3,600	271,485	-3,00%	8	-	-	-	9	6,100	271,360	-5,00%	10	7,600	271,285	15	-	-	16	-	-	17	-	-	18	-	-	33	12,907	267,747	2,8	3,5
1208+0,000			33	-11,229	268,877	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	271,296	9	-6,100	271,371	-5,00%	8	-	-	-	7	-3,600	271,496	-3,00%	268,485	271,604	3,119	7	3,600	271,496	-3,00%	8	-	-	-	9	6,100	271,371	-5,00%	10	7,600	271,296	15	-	-	16	-	-	17	-	-	18	-	-	33	12,566	267,985	2,4	3,3
1209+0,000			33	-11,077	269,014	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	271,332	9	-6,100	271,407	-5,00%	8	-	-	-	7	-3,600	271,532	-3,00%	268,490	271,640	3,151	7	3,600	271,532	-3,00%	8	-	-	-	9	6,100	271,407	-5,00%	10	7,600	271,332	15	-	-	16	-	-	17	-	-	18	-	-	33	12,923	267,784	2,3	3,5
1209+8,856			33	-11,146	268,992	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	271,356	9	-6,100	271,431	-5,00%	8	-	-	-	7	-3,600	271,556	-3,00%	268,494	271,664	3,170	7	3,600	271,556	-3,00%	8	-	-	-	9	6,100	271,431	-5,00%	10	7,600	271,356	15	-	-	16	-	-	17	-	-	18	-	-	33	12,634	268,000	2,4	3,4
1210+0,000		PTV	33	-11,240	268,966	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	271,393	9	-6,100	271,468	-5,00%	8	-	-	-	7	-3,600	271,593	-3,00%	268,497	271,701	3,204	7	3,600	271,593	-3,00%	8	-	-	-	9	6,100	271,468	-5,00%	10	7,600	271,393	15	-	-	16	-	-	17	-	-	18	-	-	33	12,349	268,227	2,4	3,2
1211+0,000			33	-12,050	268,499	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	271,466	9	-6,100	271,541	-5,00%	8	-	-	-	7	-3,600	271,666	-3,00%	268,288	271,774	3,486	7	3,600	271,666	-3,00%	8	-	-	-	9	6,100	271,541	-5,00%	10	7,600	271,466	15	-	-	16	-	-	17	-	-	18	-	-	33	11,932	268,578	3,0	2,9
1212+0,000			33	-12,411	268,331	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	271,539	9	-6,100	271,614	-5,00%	8	-	-	-	7	-3,600	271,739	-3,00%	268,346	271,847	3,501	7	3,600	271,739	-3,00%	8	-	-	-	9	6,100	271,614	-5,00%	10	7,600	271,539	15	-	-	16	-	-	17	-	-	18	-	-	33	12,031	268,584	3,2	3,0
1213+0,000			33	-12,559	268,306	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	271,611	9	-6,100	271,686	-5,00%	8	-	-	-	7	-3,600	271,811	-3,00%	268,437	271,919	3,482	7	3,600	271,811	-3,00%	8	-	-	-	9	6,100	271,686	-5,00%	10	7,600	271,611	15	-	-	16	-	-	17	-	-	18	-	-	33	12,169	268,566	3,3	3,0
1214+0,000			33	-12,692	268,290	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	271,684	9	-6,100	271,759	-5,00%	8	-	-	-	7	-3,600	271,884	-3,00%	268,568	271,992	3,424	7	3,600	271,884	-3,00%	8	-	-	-	9	6,100	271,759	-5,00%	10	7,600	271,684	15	-	-	16	-	-	17	-	-	18	-	-	33	12,307	268,546	3,4	3,1
1215+0,000			33	-12,140	268,730	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	271,757	9	-6,100	271,832	-5,00%	8	-	-	-	7	-3,600	271,957	-3,00%	268,648	272,065	3,417	7	3,600	271,957	-3,00%	8	-	-	-	9	6,100	271,832	-5,00%	10	7,600	271,757	15	-	-	16	-	-	17	-	-	18	-	-	33	12,337	268,599	3,0	3,2
1216+0,000			33	-12,230	268,743	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	271,830	9	-6,100	271,905	-5,00%	8	-	-	-	7	-3,600	272,030	-3,00%	268,804	272,138	3,334	7	3,600	272,030	-3,00%	8	-	-	-	9	6,100	271,905	-5,00%	10	7,600	271,830	15	-	-	16	-	-	17	-	-	18	-	-	33	11,752	269,062	3,1	2,8
1217+0,000			33	-11,764	269,127	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	271,903	9	-6,100	271,978	-5,00%	8	-	-	-	7	-3,600	272,103	-3,00%	269,196	272,211	3,014	7	3,600	272,103	-3,00%	8	-	-	-	9	6,100	271,978	-5,00%	10	7,600	271,903	15	-	-	16	-	-	17	-	-	18	-	-	33	11,440	269,343	2,8	2,6
1218+0,000			33	-11,662	269,268	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	271,976	9	-6,100	272,051	-5,00%	8	-	-	-	7	-3,600	272,176	-3,00%	269,395	272,284	2,889	7	3,600	272,176	-3,00%	8	-	-	-	9	6,100	272,051	-5,00%	10	7,600	271,976	15	-	-	16	-	-	17	-	-	18	-	-	33	11,038	269,683	2,7	2,3
1219+0,000			33	-11,643	269,353	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	272,049	9	-6,100	272,124	-5,00%	8	-	-	-	7	-3,600	272,249	-3,00%	269,675	272,357	2,681	7	3,600	272,249	-3,00%	8	-	-	-	9	6,100	272,124	-5,00%	10	7,600	272,049	15	-	-	16	-	-	17	-	-	18	-	-	33	10,714	269,972	2,7	2,1
1220+0,000			33	-11,238	269,696	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	272,121	9	-6,100	272,196	-5,00%	8	-	-	-	7	-3,600	272,321	-3,00%	269,666	272,429	2,763	7	3,600	272,321	-3,00%	8	-	-	-	9	6,100	272,196	-5,00%	10	7,600	272,121	15	-	-	16	-	-	17	-	-	18	-	-	33	10,832	269,967	2,4	2,2
1221+0,000			33	-11,026	269,910	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	272,194	9	-6,100	272,269	-5,00%	8	-	-	-	7	-3,600	272,394	-3,00%	269,873	272,502	2,629	7	3,600	272,394	-3,00%	8	-	-	-	9	6,100	272,269	-5,00%	10	7,600	272,194	15	-	-	16	-	-	17	-	-	18	-	-	33	10,866	270,017	2,3	2,2
1222+0,000			33	-10,828	270,115	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	272,267	9	-6,100	272,342	-5,00%	8	-	-	-	7	-3,600	272,467	-3,00%	270,072	272,575	2,503	7	3,600	272,467	-3,00%	8	-	-	-	9	6,100	272,342	-5,00%	10	7,600	272,267	15	-	-	16	-	-	17	-	-	18	-	-	33	10,875	270,084	2,2	2,2
1223+0,000			33	-10,613	270,331	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	272,340	9	-6,100	272,415	-5,00%	8	-	-	-	7	-3,600	272,540	-3,00%	270,352	272,648	2,296	7	3,600	272,540	-3,00%	8	-	-	-	9	6,100	272,415	-5,00%	10	7,600	272,340	15	-	-	16	-	-	17	-	-	18	-	-	33	10,582	270,352	2,0	2,0
1224+0,000			33	-10,103	270,744	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	272,413	9	-6,100	272,488	-5,00%	8	-	-	-	7	-3,600	272,613	-3,00%	270,698	272,721	2,023	7	3,600	272,613	-3,00%	8	-	-	-	9	6,100	272,488	-5,00%	10	7,600	272,413	15	-	-	16	-	-	17	-	-	18	-	-	33	10,297	270,615	1,7	1,8
1225+0,000			33	-9,654	271,116	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	272,486	9	-6,100	272,561	-5,00%	8	-	-	-	7	-3,600	272,686	-3,00%	271,258	272,794	1,536	7	3,600	272,686	-3,00%	8	-	-	-	9	6,100	272,561	-5,00%	10	7,600	272,486	15	-	-	16	-	-	17	-	-	18	-	-	33	9,788	271,027	1,4	1,5
1226+0,000			33	-9,297	271,427	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	272,559	9	-6,100	272,634	-5,00%	8	-	-	-	7	-3,600	272,759	-3,00%	271,331	272,867	1,536	7	3,600	272,759	-3,00%	8	-	-	-	9	6,100	272,634	-5,00%	10	7,600	272,559	15	-	-	16	-	-	17	-	-	18	-	-	33	9,541	271,265	1,1	1,3
1226+10,000		PCV	33	-9,202	271,527	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	272,595	9	-6,100	272,670	-5,00%	8	-	-	-	7	-3,600	272,795	-3,00%	271,479	272,903	1,424	7	3,600	272,795	-3,00%	8	-	-	-	9	6,100	272,670	-5,00%	10	7,600	272,595	15	-	-	16	-	-	17	-	-	18	-	-	33	9,358	271,423	1,1	1,2
1227+0,000			33	-9,077	271,655	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	272,639	9	-6,100	272,714	-5,00%	8	-	-	-	7	-3,600	272,839	-3,00%	271,610	272,947	1,337	7	3,600	272,839	-3,00%	8	-	-	-	9	6,100	272,714	-5,00%	10	7,600	272,639	15	-	-	16	-	-	17	-	-	18	-	-	33	9,239	271,546	1,0	1,1
1228+0,000			33	-8,748	272,009	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	272,775	9	-6,100	272,850	-5,00%	8	-	-	-	7	-3,600	272,975	-3,00%	271,906	273,083	1,177	7	3,600	272,975	-3,00%	8	-	-	-	9	6,100	272,850	-5,00%	10	7,600	272,775	15	-	-	16	-	-	17	-	-	18	-	-	33	9,271	271,661	0,8	1,1
1229+0,000			33	-8,373	272,458	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	272,974	9	-6,100	273,049	-5,00%	8	-	-	-	7	-3,600	273,174	-3,00%	272,319	273,282	0,962	7	3,600	273,174	-3,00%	8	-	-	-	9	6,100	273,049	-5,00%	10	7,600	272,974	15	-	-	16	-	-	17	-	-	18	-	-	33	8,958	272,069	0,5	0,9
1230+0,000			33	-8,144	272,873	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	273,235	9	-6,100	273,310	-5,00%	8	-	-	-	7	-3,600	273,435	-3,00%	272,766	273,543	0,777	7	3,600	273,435	-3,00%	8	-	-	-	9	6,100	273,310	-5,00%	10	7,600	273,235	15	-	-	16	-	-	17	-	-	18	-	-	33	8,599	272,569	0,4	0,7
1231+0,000			33	-8,055	273,256	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	273,560	9	-6,100	273,635	-5,00%	8	-	-	-	7	-3,600	273,760	-3,00%	273,172	273,868	0,696	7	3,600	273,760	-3,00%	8	-	-	-	9	6,100	273,635	-5,00%	10	7,600	273,560	15	-	-	16	-	-	17	-	-	18	-	-	33	8,402	273,025	0,3	0,5
1231+10,000		PTV	33	-8,139	273,386	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	273,746	9	-6,100	273,821	-5,00%	8	-	-	-	7	-3,600	273,946	-3,00%	273,306	274,054	0,748	7	3,600	273,946	-3,00%	8	-	-	-	9	6,100	273,821	-5,00%	10	7,600	273,746	15	-	-	16	-	-	17	-	-	18	-	-	33	8,477	273,161	0,4	0,6
1232+0,000			33	-8,332	273,452	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	273,940	9	-6,100	274,015	-5,00%	8	-	-	-	7	-3,600	274,140	-3,00%	273,390	274,248	0,857	7	3,600	274,140	-3,00%	8	-	-	-	9	6,100	274,015	-5,00%	10	7,600	273,940	15	-	-	16	-	-	17	-	-	18	-	-	33	8,646	273,243	0,5	0,7
1233+0,000			33	-8,815	273,517	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	274,327	9	-6,100	274,402	-5,00%	8	-	-	-	7	-3,600	274,527	-3,00%	273,452	274,635	1,183	7	3,600	274,527	-3,00%	8	-	-	-	9	6,100	274,402	-5,00%	10	7,600	274,327	15	-	-	16	-	-	17	-	-	18	-	-	33	9,029	273,374	0,8	1,0
1234+0,000			33	-9,395	273,518	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	274,715	9	-6,100	274,790	-5,00%	8	-	-	-	7	-3,600	274,915	-3,00%	273,508	275,023	1,515	7	3,600	274,915	-3,00%	8	-	-	-	9	6,100	274,790	-5,00%	10	7,600	274,715	15	-	-	16	-	-	17	-	-	18	-	-	33	9,327	273,563	1,2	1,2
1235+0,000			33	-9,900	273,569	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	275,102	9	-6,100	275,177	-5,00%	8	-	-	-	7	-3,600	275,302	-3,00%	273,581	275,410	1,829	7	3,600	275,302	-3,00%	8	-	-	-	9	6,100	275,177	-5,00%	10	7,600	275,102	15	-	-	16	-	-	17	-	-	18	-	-	33	9,860	273,596	1,5	1,5
1236+0,000			33	-10,431	273,602	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	275,490	9	-6,100	275,565	-5,00%	8	-	-	-	7	-3,600	275,690	-3,00%	273,667	275,798	2,131	7	3,600	275,690	-3,00%	8	-	-	-	9	6,100	275,565	-5,00%	10	7,600	275,490	15	-	-	16	-	-	17	-	-	18	-	-	33	10,310	273,683	1,9	1,8
1237+0,000			33	-10,979	273,625	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	275,877	9	-6,100	275,952	-5,00%	8	-	-	-	7	-3,600	276,077	-3,00%	273,685	276,185	2,500	7	3,600	276,077	-3,00%	8	-	-	-	9	6,100	275,952	-5,00%	10	7,600	275,877	15	-	-	16	-	-	17	-	-	18	-	-	33	10,857	273,706	2,3	2,2
1238+0,000			33	-11,325	273,782	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	276,265	9	-6,100	276,340	-5,00%	8	-	-	-	7	-3,600	276,465	-3,00%	273,715	276,573	2,857	7	3,600	276,465	-3,00%	8	-	-	-	9	6,100	276,340	-5,00%	10	7,600	276,265	15	-	-	16	-	-	17	-	-	18	-	-	33	11,380	273,745	2,5	2,5
1239+0,000			33	-11,450	274,086	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	276,652	9	-6,100	276,727	-5,00%	8	-	-	-	7	-3,600	276,852	-3,00%	273,891	276,960	3,069	7	3,600	276,852	-3,00%	8	-	-	-	9	6,100	276,727	-5,00%	10	7,600	276,652	15	-	-	16	-	-	17	-	-	18	-	-	33	11,687	273,927	2,6	2,7
1240+0,000			33	-11,554	274,404	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	277,040	9	-6,100	277,115	-5,00%	8	-	-	-	7	-3,600	277,240	-3,00%	274,260	277,348	3,088	7	3,600	277,240	-3,00%	8	-	-	-	9	6,100	277,115	-5,00%	10	7,600	277,040	15	-	-	16	-	-	17	-	-	18	-	-	33	11,999	274,107	2,6	2,9
1240+18,380	PT		33	-11,750	274,629	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	277,396	9	-6,100	277,471	-5,00%	8	-	-	-	7	-3,600	277,596	-3,00%	274,508	277,704	3,196	7	3,600	277,596	-3,00%	8	-	-	-	9	6,100	277,471	-5,00%	10	7,600	277,396	15	-	-	16	-	-	17	-	-	18	-	-	33	12,060	274,423	2,8	3,0
1241+0,000			33	-11,760	274,654	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	277,427	9	-6,100	277,502	-5,00%	8	-	-	-	7	-3,600	277,627	-3,00%	274,535	277,735	3,200	7	3,600	277,627	-3,00%	8	-	-	-	9	6,100	277,502	-5,00%	10	7,600	277,427	15	-	-	16	-	-	17	-	-	18	-	-	33	12,060	274,454	2,8	3,0
1242+0,000			33	-11,795	275,018	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	277,815	9	-6,100	277,890	-5,00%	8	-	-	-	7	-3,600	278,015	-3,00%	274,946	278,123	3,176	7	3,600	278,015	-3,00%	8	-	-	-	9	6,100	277,890	-5,00%	10	7,600	277,815	15	-	-	16	-	-	17	-	-	18	-	-	33	12,047	274,850	2,8	3,0
1243+0,000			33	-11,654	275,500	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	278,202	9	-6,100	278,277	-5,00%	8	-	-	-	7	-3,600	278,402	-3,00%	275,420	278,510	3,090	7	3,600	278,402	-3,00%	8	-	-	-	9	6,100	278,277	-5,00%	10	7,600	278,202	15	-	-	16	-	-	17	-	-	18	-	-	33	12,132	275,181	2,7	3,0
1244+0,000			33	-11,728	275,838	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	278,590	9	-6,100	278,665	-5,00%	8	-	-	-	7	-3,600	278,790	-3,00%	275,637	278,898	3,261	7	3,600	278,790	-3,00%	8	-	-	-	9	6,100	278,665	-5,00%	10	7,600	278,590	15	-	-	16	-	-	17	-	-	18	-	-	33	12,352	275,422	2,8	3,2
1244+10,000		PCV	33	-11,766	276,006	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	278,784	9	-6,100	278,859	-5,00%	8	-	-	-	7	-3,600	278,984	-3,00%	275,787	279,092	3,304	7	3,600	278,984	-3,00%	8	-	-	-	9	6,100	278,859	-5,00%	10	7,600	278,784	15	-	-	16	-	-	17	-	-	18	-	-	33	12,405	275,580	2,8	3,2
1245+0,000			33	-11,831	276,149	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	278,970	9	-6,100	279,045	-5,00%	8	-	-	-	7	-3,600	279,170	-3,00%	275,765	279,278	3,512	7	3,600	279,170	-3,00%	8	-	-	-	9	6,100	279,045	-5,00%	10	7,600	278,970	15	-	-	16	-	-	17	-	-	18	-	-	33	12,513	275,694	2,8	3,3
1246+0,000			33	-11,901	276,428	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	279,295	9	-6,100	279,370	-5,00%	8	-	-	-	7	-3,600	279,495	-3,00%	276,149	279,603	3,454	7	3,600	279,495	-3,00%	8	-	-	-	9	6,100	279,370	-5,00%	10	7,600	279,295	15	-	-	16	-	-	17	-	-	18	-	-	33	12,726	275,878	2,9	3,4
1247+0,000			33	-11,830	276,738	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	279,558	9	-6,100	279,633	-5,00%	8	-	-	-	7	-3,600	279,758	-3,00%	276,480	279,866	3,386	7	3,600	279,758	-3,00%	8	-	-	-	9	6,100	279,633	-5,00%	10	7,600	279,558	15	-	-	16	-	-	17	-	-	18	-	-	33	12,744	276,129	2,8	3,4
1248+0,000			33	-11,496	277,162	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	279,759	9	-6,100	279,834	-5,00%	8	-	-	-	7	-3,600	279,959	-3,00%	276,852	280,067	3,215	7	3,600	279,959	-3,00%	8	-	-	-	9	6,100	279,834	-5,00%	10	7,600	279,759	15	-	-	16	-	-	17	-	-	18	-	-	33	12,437	276,534	2,6	3,2
1249+0,000			33	-11,083	277,575	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	279,897	9	-6,100	279,972	-5,00%	8	-	-	-	7	-3,600	280,097	-3,00%	277,262	280,205	2,943	7	3,600	280,097	-3,00%	8	-	-	-	9	6,100	279,972	-5,00%	10	7,600	279,897	15	-	-	16	-	-	17	-	-	18	-	-	33	12,036	276,940	2,3	3,0
1249+10,000		PTV	33	-10,854	277,774	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	279,943	9	-6,100	280,018	-5,00%	8	-	-	-	7	-3,600	280,143	-3,00%	277,475	280,251	2,776	7	3,600	280,143	-3,00%	8	-	-	-	9	6,100	280,018	-5,00%	10	7,600	279,943	15	-	-	16	-	-	17	-	-	18	-	-	33	11,769	277,164	2,2	2,8
1250+0,000			33	-10,593	277,986	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	279,981	9	-6,100	280,056	-5,00%	8	-	-	-	7	-3,600	280,181	-3,00%	277,711	280,289	2,578	7	3,600	280,181	-3,00%	8	-	-	-	9	6,100	280,056	-5,00%	10	7,600	279,981	15	-	-	16	-	-	17	-	-	18	-	-	33	11,523	277,366	2,0	2,6
1251+0,000			33	-10,298	278,259	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,058	9	-6,100	280,133	-5,00%	8	-	-	-	7	-3,600	280,258	-3,00%	278,123	280,366	2,243	7	3,600	280,258	-3,00%	8	-	-	-	9	6,100	280,133	-5,00%	10	7,600	280,058	15	-	-	16	-	-	17	-	-	18	-	-	33	11,156	277,687	1,8	2,4
1252+0,000			33	-10,226	278,383	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,134	9	-6,100	280,209	-5,00%	8	-	-	-	7	-3,600	280,334	-3,00%	278,286	280,442	2,156	7	3,600	280,334	-3,00%	8	-	-	-	9	6,100	280,209	-5,00%	10	7,600	280,134	15	-	-	16	-	-	17	-	-	18	-	-	33	10,887	277,942	1,8	2,2
1253+0,000			33	-9,753	278,775	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,210	9	-6,100	280,285	-5,00%	8	-	-	-	7	-3,600	280,410	-3,00%	278,578	280,518	1,941	7	3,600	280,410	-3,00%	8	-	-	-	9	6,100	280,285	-5,00%	10	7,600	280,210	15	-	-	16	-	-	17	-	-	18	-	-	33	10,724	278,128	1,4	2,1
1253+1,501			33	-9,701	278,815	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,216	9	-6,100	280,291	-5,00%	8	-	-	-	7	-3,600	280,416	-3,00%	278,627	280,524	1,897	7	3,600	280,416	-3,00%	8	-	-	-	9	6,100	280,291	-5,00%	10	7,600	280,216	15	-	-	16	-	-	17	-	-	18	-	-	33	10,576	278,232	1,4	2,0
1254+0,000			33	-9,205	279,216	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,286	9	-6,100	280,361	-5,00%	8	-	-	-	7	-3,600	280,486	-3,00%	278,858	280,594	1,736	7	3,600	280,486	-3,00%	8	-	-	-	9	6,100	280,361	-5,00%	10	7,600	280,286	15	-	-	16	-	-	17	-	-	18	-	-	33	9,864	278,777	1,1	1,5
1254+12,966			33	-8,887	279,478	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,336	9	-6,100	280,411	-5,00%	8	-	-	-	7	-3,600	280,536	-3,00%	279,106	280,644	1,538	7	3,600	280,536	-3,00%	8	-	-	-	9	6,100	280,411	-5,00%	10	7,600	280,336	15	-	-	16	-	-	17	-	-	18	-	-	33	9,846	278,838	0,9	1,5
1254+13,759			33	-8,877	279,489	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,341	9	-6,100	280,416	-5,00%	8	-	-	-	7	-3,600	280,541	-2,95%	279,121	280,647	1,525	7	3,600	280,539	-3,00%	8	-	-	-	9	6,100	280,414	-5,00%	10	7,600	280,339	15	-	-	16	-	-	17	-	-	18	-	-	33	9,845	278,842	0,9	1,5
1255+0,000			33	-8,876	279,528	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,378	9	-6,100	280,453	-5,00%	8	-	-	-	7	-3,600	280,578	-2,57%	279,117	280,671	1,554	7	3,600	280,563	-3,00%	8	-	-	-	9	6,100	280,438	-5,00%	10	7,600	280,363	15	-	-	16	-	-	17	-	-	18	-	-	33	9,782	278,908	0,9	1,5
1256+0,000			33	-8,817	279,687	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,498	9	-6,100	280,573	-5,00%	8	-	-	-	7	-3,600	280,698	-1,35%	279,256	280,747	1,491	7	3,600	280,639	-3,00%	8	-	-	-	9	6,100	280,514	-5,00%	10	7,600	280,439	15	-	-	16	-	-	17	-	-	18	-	-	33	9,559	279,133	0,8	1,3
1257+0,000			33	-8,660	279,912	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,619	9	-6,100	280,694	-5,00%	8	-	-	-	7	-3,600	280,819	-0,13%	279,718	280,823	1,105	7	3,600	280,715	-3,00%	8	-	-	-	9	6,100	280,590	-5,00%	10	7,600	280,515	15	-	-	16	-	-	17	-	-	18	-	-	33	9,220	279,435	0,7	1,1
1257+2,147	TE		33	-8,654	279,929	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,632	9	-6,100	280,707	-5,00%	8	-	-	-	7	-3,600	280,832	0,00%	279,730	280,832	1,101	7	3,600	280,724	-3,00%	8	-	-	-	9	6,100	280,599	-5,00%	10	7,600	280,524	15	-	-	16	-	-	17	-	-	18	-	-	33	9,212	279,449	0,7	1,1
1258+0,000			33	-8,592	280,077	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,739	9	-6,100	280,814	-5,00%	8	-	-	-	7	-3,600	280,939	1,09%	279,833	280,900	1,067	7	3,600	280,792	-3,00%	8	-	-	-	9	6,100	280,667	-5,00%	10	7,600	280,592	15	-	-	16	-	-	17	-	-	18	-	-	33	9,159	279,552	0,7	1,0
1258+14,405			33	-8,430	280,272	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,825	9	-6,100	280,900	-5,00%	8	-	-	-	7	-3,600	281,025	1,97%	279,918	280,955	1,037	7	3,600	280,847	-3,00%	8	-	-	-	9	6,100	280,722	-5,00%	10	7,600	280,647	15	-	-	16	-	-	17	-	-	18	-	-	33	9,185	279,590	0,6	1,1
1259+0,000			33	-8,434	280,303	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,859	9	-6,100	280,934	-5,00%	8	-	-	-	7	-3,600	281,059	2,31%	279,957	280,976	1,019	7	3,600	280,868	-3,00%	8	-	-	-	9	6,100	280,743	-5,00%	10	7,600	280,668	15	-	-	16	-	-	17	-	-	18	-	-	33	9,216	279,590	0,6	1,1
1259+10,534			33	-8,540	280,296	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,922	9	-6,100	280,997	-5,00%	8	-	-	-	7	-3,600	281,122	2,95%	280,027	281,016	0,989	7	3,600	280,908	-3,00%	8	-	-	-	9	6,100	280,783	-5,00%	10	7,600	280,708	15	-	-	16	-	-	17	-	-	18	-	-	33	9,274	279,592	0,6	1,1
1259+11,327			33	-8,548	280,295	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,927	9	-6,100	281,002	-5,00%	8	-	-	-	7	-3,600	281,127	3,00%	280,032	281,019	0,987	7	3,600	280,911	-3,00%	8	-	-	-	9	6,100	280,786	-5,00%	10	7,600	280,711	15	-	-	16	-	-	17	-	-	18	-	-	33	9,278	279,593	0,6	1,1
1260+0,000			33	-8,642	280,302	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	280,996	9	-6,100	281,071	-4,32%	8	-	-	-	7	-3,600	281,179	3,53%	280,066	281,052	0,987	7	3,600	280,925	-3,53%	8	-	-	-	9	6,100	280,795	-5,19%	10	7,600	280,720	15	-	-	16	-	-	17	-	-	18	-	-	33	9,138	279,695	0,7	1,0
1261+0,000			33	-8,649	280,456	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	281,156	9	-6,100	281,231	-2,74%	8	-	-	-	7	-3,600	281,299	4,75%	280,128	281,128	1,001	7	3,600	280,958	-4,75%	8	-	-	-	9	6,100	280,817	-5,62%	10	7,600	280,742	15	-	-	16	-	-	17	-	-	18	-	-	33	8,874	279,893	0,7	0,8
1262+0,000			33	-8,758	280,543	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	281,315	9	-6,100	281,390	-1,17%	8	-	-	-	7	-3,600	281,420	5,97%	280,242	281,205	0,962	7	3,600	280,990	-5,97%	8	-	-	-	9	6,100	280,839	-6,05%	10	7,600	280,764	15	-	-	16	-	-	17	-	-	18	-	-	33	8,850	279,930	0,8	0,8
1262+2,147	EC		33	-8,800	280,533	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	281,333	9	-6,100	281,408	-1,00%	8	-	-	-	7	-3,600	281,433	6,10%	280,251	281,213	0,962	7	3,600	280,993	-6,10%	8	-	-	-	9	6,100	280,841	-6,10%	10	7,600	280,766	15	-	-	16	-	-	17	-	-	18	-	-	33	8,833	279,944	0,8	0,8
1263+0,000			33	-8,918	280,522	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	281,401	9	-6,100	281,476	-1,00%	8	-	-	-	7	-3,600	281,501	6,10%	280,314	281,281	0,967	7	3,600	281,061	-6,10%	8	-	-	-	9	6,100	280,909	-6,10%	10	7,600	280,834	15	-	-	16	-	-	17	-	-	18	-	-	33	8,802	280,033	0,9	0,8
1264+0,000			33	-8,901	280,610	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	281,477	9	-6,100	281,552	-1,00%	8	-	-	-	7	-3,600	281,577	6,10%	280,347	281,357	1,010	7	3,600	281,138	-6,10%	8	-	-	-	9	6,100	280,985	-6,10%	10	7,600	280,910	15	-	-	16	-	-	17	-	-	18	-	-	33	8,867	280,066	0,9	0,8
1265+0,000			33	-8,931	280,666	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	281,553	9	-6,100	281,628	-1,00%	8	-	-	-	7	-3,600	281,653	6,10%	280,322	281,434	1,112	7	3,600	281,214	-6,10%	8	-	-	-	9	6,100	281,062	-6,10%	10	7,600	280,987	15	-	-	16	-	-	17	-	-	18	-	-	33	9,033	280,031	0,9	1,0
1266+0,000			33	-9,010	280,689	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	281,630	9	-6,100	281,705	-1,00%	8	-	-	-	7	-3,600	281,730	6,10%	280,354	281,510	1,156	7	3,600	281,290	-6,10%	8	-	-	-	9	6,100	281,138	-6,10%	10	7,600	281,063	15	-	-	16	-	-	17	-	-	18	-	-	33	8,958	280,157	0,9	0,9
1267+0,000			33	-9,147	280,675	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	281,706	9	-6,100	281,781	-1,00%	8	-	-	-	7	-3,600	281,806	6,10%	280,391	281,586	1,195	7	3,600	281,367	-6,10%	8	-	-	-	9	6,100	281,214	-6,10%	10	7,600	281,139	15	-	-	16	-	-	17	-	-	18	-	-	33	8,997	280,208	1,0	0,9
1267+9,274			33	-9,297	280,610	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	281,741	9	-6,100	281,816	-1,00%	8	-	-	-	7	-3,600	281,841	6,10%	280,345	281,622	1,277	7	3,600	281,402	-6,10%	8	-	-	-	9	6,100	281,249	-6,12%	10	7,600	281,174	15	-	-	16	-	-	17	-	-	18	-	-	33	9,175	280,124	1,1	1,0
1268+0,000			33	-9,520	280,502	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	281,782	9	-6,100	281,857	-1,00%	8	-	-	-	7	-3,600	281,882	6,10%	280,249	281,663	1,413	7	3,600	281,443	-6,10%	8	-	-	-	9	6,100	281,290	-6,10%	10	7,600	281,215	15	-	-	16	-	-	17	-	-	18	-	-	33	9,416	280,005	1,3	1,2
1269+0,000			33	-9,968	280,280	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	281,858	9	-6,100	281,933	-1,00%	8	-	-	-	7	-3,600	281,958	6,10%	280,070	281,739	1,669	7	3,600	281,519	-6,10%	8	-	-	-	9	6,100	281,367	-6,10%	10	7,600	281,292	15	-	-	16	-	-	17	-	-	18	-	-	33	9,870	279,778	1,6	1,5
1269+1,469		PCV	33	-9,988	280,272	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	281,864	9	-6,100	281,939	-1,00%	8	-	-	-	7	-3,600	281,964	6,10%	280,070	281,744	1,674	7	3,600	281,525	-6,10%	8	-	-	-	9	6,100	281,372	-6,10%	10	7,600	281,297	15	-	-	16	-	-	17	-	-	18	-	-	33	9,900	279,764	1,6	1,5
1270+0,000			33	-10,427	280,109	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	281,994	9	-6,100	282,069	-1,00%	8	-	-	-	7	-3,600	282,094	6,10%	279,950	281,874	1,924	7	3,600	281,654	-6,10%	8	-	-	-	9	6,100	281,502	-6,10%	10	7,600	281,427	15	-	-	16	-	-	17	-	-	18	-	-	33	10,448	279,528	1,9	1,9
1270+14,983			33	-11,019	279,905	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	282,185	9	-6,100	282,260	-1,00%	8	-	-	-	7	-3,600	282,285	6,10%	279,648	282,065	2,417	7	3,600	281,845	-6,10%	8	-	-	-	9	6,100	281,693	-6,10%	10	7,600	281,618	15	-	-	16	-	-	17	-	-	18	-	-	33	10,910	279,411	2,3	2,2
1271+0,000			33	-11,245	279,836	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	282,266	9	-6,100	282,341	-1,00%	8	-	-	-	7	-3,600	282,366	6,10%	279,586	282,146	2,560	7	3,600	281,927	-6,10%	8	-	-	-	9	6,100	281,774	-6,10%	10	7,600	281,699	15	-	-	16	-	-	17	-	-	18	-	-	33	11,088	279,374	2,4	2,3
1272+0,000			33	-12,123	279,660	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	282,675	9	-6,100	282,750	-1,00%	8	-	-	-	7	-3,600	282,775	6,10%	279,363	282,556	3,193	7	3,600	282,336	-6,10%	8	-	-	-	9	6,100	282,183	-6,10%	10	7,600	282,108	15	-	-	16	-	-	17	-	-	18	-	-	33	11,923	279,227	3,0	2,9
1272+1,469			33	-12,186	279,653	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	282,711	9	-6,100	282,786	-1,00%	8	-	-	-	7	-3,600	282,811	6,10%	279,351	282,591	3,240	7	3,600	282,371	-6,10%	8	-	-	-	9	6,100	282,219	-6,10%	10	7,600	282,144	15	-	-	16	-	-	17	-	-	18	-	-	33	12,009	279,205	3,1	2,9
1272+16,401	CE		33	-12,907	279,575	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	283,113	9	-6,100	283,188	-1,00%	8	-	-	-	7	-3,600	283,213	6,10%	279,240	282,994	3,754	7	3,600	282,774	-6,10%	8	-	-	-	9	6,100	282,622	-6,10%	10	7,600	282,547	15	-	-	16	-	-	17	-	-	18	-	-	33	12,864	279,037	3,5	3,5
1273+0,000			33	-13,081	279,553	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	283,207	9	-6,100	283,282	-1,28%	8	-	-	-	7	-3,600	283,314	5,88%	279,226	283,102	3,877	7	3,600	282,891	-5,88%	8	-	-	-	9	6,100	282,740	-6,02%	10	7,600	282,665	15	-	-	16	-	-	17	-	-	18	-	-	33	13,058	279,026	3,7	3,6
1274+0,000			33	-14,165	279,431	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	283,808	9	-6,100	283,883	-2,86%	8	-	-	-	7	-3,600	283,954	4,66%	279,146	283,786	4,640	7	3,600	283,618	-4,66%	8	-	-	-	9	6,100	283,479	-5,59%	10	7,600	283,404	15	-	-	16	-	-	17	-	-	18	-	-	33	14,193	279,008	4,4	4,4
1275+0,000			33	-15,450	279,312	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	284,546	9	-6,100	284,621	-4,43%	8	-	-	-	7	-3,600	284,731	3,44%	279,087	284,608	5,521	7	3,600	284,484	-3,44%	8	-	-	-	9	6,100	284,355	-5,16%	10	7,600	284,280	15	-	-	16	-	-	17	-	-	18	-	-	33	15,557	278,975	5,2	5,3
1275+1,469		PTV	33	-15,559	279,299	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	284,605	9	-6,100	284,680	-4,55%	8	-	-	-	7	-3,600	284,794	3,35%	279,086	284,673	5,588	7	3,600	284,553	-3,35%	8	-	-	-	9	6,100	284,425	-5,12%	10	7,600	284,350	15	-	-	16	-	-	17	-	-	18	-	-	33	15,661	278,975	5,3	5,4
1275+7,221			33	-15,988	279,248	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	284,840	9	-6,100	284,915	-5,00%	8	-	-	-	7	-3,600	285,040	3,00%	279,081	284,932	5,851	7	3,600	284,824	-3,00%	8	-	-	-	9	6,100	284,699	-5,00%	10	7,600	284,624	15	-	-	16	-	-	17	-	-	18	-	-	33	16,082	278,969	5,6	5,7
1276+0,000			33	-16,856	279,217	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	285,387	9	-6,100	285,462	-5,00%	8	-	-	-	7	-3,600	285,587	2,22%	279,071	285,507	6,436	7	3,600	285,399	-3,00%	8	-	-	-	9	6,100	285,274	-5,00%	10	7,600	285,199	15	-	-	16	-	-	17	-	-	18	-	-	33	17,037	278,908	6,2	6,3
1276+1,913		PCV	33	-16,974	279,220	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	285,469	9	-6,100	285,544	-5,00%	8	-	-	-	7	-3,600	285,669	2,10%	279,070	285,593	6,523	7	3,600	285,485	-3,00%	8	-	-	-	9	6,100	285,360	-5,00%	10	7,600	285,285	15	-	-	16	-	-	17	-	-	18	-	-	33	17,167	278,907	6,2	6,4
1276+4,143			33	-17,111	279,223	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	285,564	9	-6,100	285,639	-5,00%	8	-	-	-	7	-3,600	285,764	1,97%	279,069	285,693	6,624	7	3,600	285,585	-3,00%	8	-	-	-	9	6,100	285,460	-5,00%	10	7,600	285,385	15	-	-	16	-	-	17	-	-	18	-	-	33	17,317	278,907	6,3	6,5
1277+0,000			33	-18,044	279,225	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	286,188	9	-6,100	286,263	-5,00%	8	-	-	-	7	-3,600	286,388	1,00%	279,057	286,352	7,294	7	3,600	286,244	-3,00%	8	-	-	-	9	6,100	286,119	-5,00%	10	7,600	286,044	15	-	-	16	-	-	17	-	-	18	-	-	33	18,315	278,900	7,0	7,1
1277+16,401	ET		33	-18,907	279,206	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	286,744	9	-6,100	286,819	-5,00%	8	-	-	-	7	-3,600	286,944	0,00%	279,036	286,944	7,908	7	3,600	286,836	-3,00%	8	-	-	-	9	6,100	286,711	-5,00%	10	7,600	286,636	15	-	-	16	-	-	17	-	-	18	-	-	33	19,315	278,826	7,5	7,8
1278+0,000			33	-19,078	279,201	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	286,853	9	-6,100	286,928	-5,00%	8	-	-	-	7	-3,600	287,053	-0,22%	279,016	287,061	8,046	7	3,600	286,953	-3,00%	8	-	-	-	9	6,100	286,828	-5,00%	10	7,600	286,753	15	-	-	16	-	-	17	-	-	18	-	-	33	19,520	278,806	7,7	7,9
1279+0,000			33	-24,304	279,314	18	-	-	17	-	-	16	-	-	15	-	-	10	-7,600	287,384	9	-6,100	287,459	-5,00%	8	-	-	-	7	-3,600	287,584	-1,44%	278,905	287,635	8,730	7	3,600	287,527	-3,00%	8	-	-	-	9	6,100	287,402	-5,00%	10	7,600	287,327	15	-	-	16	-	-	17	-	-	18	-	-	33	25,259	278,622	8,1	8,7
1280+0,000			33	-7,600	278,967	18	-	-	17	-	-	16	-	-	15	-7,600	287,798	10	-6,500	287,853	9	-6,100	287,853	-5,00%	8	-	-	-	7	-3,600	287,978	-2,66%	278,810	288,074	9,264	7	3,600	287,966	-3,00%	8	-	-	-	9	6,100	287,841	-5,00%	10	6,500	287,841	15	7,600	287,786	16	-	-	17	-	-	18	-	-	33	7,600	278,621	8,9	9,2
1280+5,582			33	-7,600	278,969	18	-	-	17	-	-	16	-	-	15	-7,600	287,884	10	-6,500	287,939	9	-6,100	287,939	-5,00%	8	-	-	-	7	-3,600	288,064	-3,00%	278,794	288,172	9,378	7	3,600	288,064	-3,00%	8	-	-	-	9	6,100	287,939	-5,00%	10	6,500	287,939	15	7,600	287,884	16	-	-	17	-	-	18	-	-	33	7,600	278,667	9,0	9,3
1281+0,000			33	-7,600	279,022	18	-	-	17	-	-	16	-	-	15	-7,600	288,089	10	-6,500	288,144	9	-6,100	288,144	-5,00%	8	-	-	-	7	-3,600	288,269	-3,00%	278,743	288,377	9,633	7	3,600	288,269	-3,00%	8	-	-	-	9	6,100	288,144	-5,00%	10	6,500	288,144	15	7,600	288,089	16	-	-	17	-	-	18	-	-	33	7,600	278,772	9,1	9,4
1281+17,047			33	-7,600	279,143	18	-	-	17	-	-	16	-	-	15	-7,600	288,240	10	-6,500	288,295	9	-6,100	288,295	-5,00%	8	-	-	-	7	-3,600	288,420	-3,00%	278,815	288,528	9,713	7	3,600	288,420	-3,00%	8	-	-	-	9	6,100	288,295	-5,00%	10	6,500	288,295	15	7,600	288,240	16	-	-	17	-	-	18	-	-	33	7,600	278,714	9,2	9,6
1282+0,000			33	-7,600	279,210	18	-	-	17	-	-	16	-	-	15	-7,600	288,256	10	-6,500	288,311	9	-6,100	288,311	-5,00%	8	-	-	-	7	-3,600	288,436	-3,00%	278,975	288,544	9,569	7	3,600	288,436	-3,00%	8	-	-	-	9	6,100	288,311	-5,00%	10	6,500	288,311	15	7,600	288,256	16	-	-	17	-	-	18	-	-	33	7,600	278,704	9,1	9,6
1282+6,913			33	-7,600	279,368	18	-	-	17	-	-	16	-	-	15	-7,600	288,282	10	-6,500	288,337	9	-6,100	288,337	-5,00%	8	-	-	-	7	-3,600	288,462	-3,00%	279,115	288,570	9,455	7	3,600	288,462	-3,00%	8	-	-	-	9	6,100	288,337	-5,00%	10	6,500	288,337	15	7,600	288,282	16	-	-	17	-	-	18	-	-	33	7,600	278,681	9,0	9,7
1282+11,997			33	-7,600	279,255	18	-	-	17	-	-	16	-	-	15	7,600	288,291	10	-6,500	288,346	9	-6,100	288,346	-5,00%	8	-	-	-	7	-3,600	288,471	-3,00%	279,071	288,579	9,508	7	3,600	288,471	-3,00%	8	-	-	-	9	6,100	288,346	-5,00%	10	6,500	288,346	15	7,600	288,291	16	-	-	17	-	-	18	-	-	33	7,600	278,667	9,1	9,7
1282+14,675			33	-7,600	279,156	18	-	-	17	-	-	16	-	-	15	-7,600	288,292	10	-6,500	288,347	9	-6,100	288,347	-5,00%	8	-	-	-	7	-3,600	288,472	-3,00%	279,083	288,580	9,497	7	3,600	288,472	-3,00%	8	-	-	-	9	6,100	288,347	-5,00%	10	6,500	288,347	15	7,600	288,292	16	-	-	17	-	-	18	-	-	33	7,600	278,751	9,2	9,6
1282+17,116			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-6,500	288,346	9	-6,100	288,346	-5,00%	8	-	-	-	7	-3,600	288,471	-3,00%	279,277	288,579	9,302	7	3,600	288,471	-3,00%	8	-	-	-	9	6,100	288,346	-5,00%	10	6,500	288,346	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
1283+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-6,500	288,343	9	-6,100	288,343	-5,00%	8	-	-	-	7	-3,600	288,468	-3,00%	279,210	288,576	9,365	7	3,600	288,468	-3,00%	8	-	-	-	9	6,100	288,343	-5,00%	10	6,500	288,343	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
1283+2,234			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-6,500	288,338	9	-6,100	288,338	-5,00%	8	-	-	-	7	-3,600	288,463	-3,00%	279,149	288,571	9,422	7	3,600	288,463	-3,00%	8	-	-	-	9	6,100	288,338	-5,00%	10	6,500	288,338	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
1284+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-6,500	288,239	9	-6,100	288,239	-5,00%	8	-	-	-	7	-3,600	288,364	-3,00%	278,751	288,472	9,721	7	3,600	288,364	-3,00%	8	-	-	-	9	6,100	288,239	-5,00%	10	6,500	288,239	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
1285+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-6,500	287,999	9	-6,100	287,999	-5,00%	8	-	-	-	7	-3,600	288,124	-3,00%	278,250	288,232	9,982	7	3,600	288,124	-3,00%	8	-	-	-	9	6,100	287,999	-5,00%	10	6,500	287,999	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
1286+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-6,500	287,624	9	-6,100	287,624	-5,00%	8	-	-	-	7	-3,600	287,749	-3,00%	278,127	287,857	9,730	7	3,600	287,749	-3,00%	8	-	-	-	9	6,100	287,624	-5,00%	10	6,500	287,624	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
1287+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-6,500	287,114	9	-6,100	287,114	-5,00%	8	-	-	-	7	-3,600	287,239	-3,00%	277,987	287,347	9,359	7	3,600	287,239	-3,00%	8	-	-	-	9	6,100	287,114	-5,00%	10	6,500	287,114	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
1287+16,997			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-6,500	286,573	9	-6,100	286,573	-5,00%	8	-	-	-	7	-3,600	286,698	-3,00%	277,986	286,806	8,820	7	3,600	286,698	-3,00%	8	-	-	-	9	6,100	286,573	-5,00%	10	6,500	286,573	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
1288+0,000			33	-	-	18	-	-	17	-	-	16	-	-	15	-	-	10	-6,500	286,467	9	-6,100	286,467	-5,00%	8	-	-	-	7	-3,600	286,592	-3,00%	277,965	286,700	8,735	7	3,600	286,592	-3,00%	8	-	-	-	9	6,100	286,467	-5,00%	10	6,500	286,467	15	-	-	16	-	-	17	-	-	18	-	-	33	-	-	-	-
1288+2,116			33	-7,600	277,826	18	-	-	17	-	-	16	-	-	15	7,600	286,336	10	-6,500	286,391	9	-6,100	286,391	-5,00%	8	-	-	-	7	-3,600	286,516	-3,00%	277,950	286,624	8,674	7	3,600	286,516	-3,00%	8	-	-	-	9	6,100	286,391	-5,00%	10	6,500	286,391	15	7,600	286,336	16	-	-	17	-	-	18	-	-	33	7,600	278,112	8,6	8,3
1288+7,234			33	-7,600	277,741	18	-	-	17	-	-	16	-	-	15	-7,600	286,145	10	-6,500	286,200	9	-6,100	286,200	-5,00%	8	-	-	-	7	-3,600	286,325	-3,00%	277,916	286,433	8,517	7	3,600	286,325	-3,00%	8	-	-	-	9	6,100	286,200	-5,00%	10	6,500	286,200	15	7,600	286,145	16	-	-	17	-	-	18	-	-	33	7,600	278,128	8,5	8,1
1288+11,913		PTV	33	-7,600	277,657	18	-	-	17	-	-	16	-	-	15	-7,600	285,963	10	-6,500	286,018	9	-6,100	286,018	-5,00%	8	-	-	-	7	-3,600	286,143	-3,00%	277,884	286,251	8,367	7	3,600	286,143	-3,00%	8	-	-	-	9	6,100	286,018	-5,00%	10	6,500	286,018	15	7,600	285,963	16	-	-	17	-	-	18	-	-	33	7,600	278,062	8,4	8,0
1289+0,000			33	-7,600	277,520	18	-	-	17	-	-	16	-	-	15	-7,600	285,642	10	-6,500	285,697	9	-6,100	285,697	-5,00%	8	-	-	-	7	-3,600	285,822	-3,00%	277,762	285,930	8,168	7	3,600	285,822	-3,00%	8	-	-	-	9	6,100	285,697	-5,00%	10	6,500	285,697	15	7,600	285,642	16	-	-	17	-	-	18	-	-	33	7,600	277,852	8,2	7,8
1290+0,000			33	-7,600	277,232	18	-	-	17	-	-	16	-	-	15	-7,600	284,847	10	-6,500	284,902	9	-6,100	284,902	-5,00%	8	-	-	-	7	-3,600	285,027	-3,00%	277,400	285,135	7,734	7	3,600	285,027	-3,00%	8	-	-	-	9	6,100	284,902	-5,00%	10	6,500	284,902	15	7,600	284,847	16	-	-	17	-	-	18	-	-	33	7,600	277,523	7,7	7,4
1290+11,799			33	-7,600	277,178	18	-	-	17	-	-	16	-	-	15	-7,600	284,378	10	-6,500	284,433	9	-6,100	284,433	-5,00%	8	-	-	-	7	-3,600	284,558	-3,00%	277,212	284,666	7,454	7	3,600	284,558	-3,00%	8	-	-	-	9	6,100	284,433	-5,00%	10	6,500	284,433	15	7,600	284,378	16	-	-	17	-	-	18	-	-	33	7,600	277,235	7,3	7,2

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — BR-158/262-MS

ESTACA	Elementos do Projeto: Planta	Elementos do Projeto: Perfil	LADO ESQUERDO – PLATAFORMA ACABADA – Talude P.	Dist.	Cota	Fim da Segunda Berma P.	Dist.	Cota	Início da Segunda Berma P.	Dist.	Cota	Fim da Primeira Berma P.	Dist.	Cota	Início da Primeira Berma / Encontro de Talude P.	Dist.	Cota	Fundo canaleta / Barreira P.	Dist.	Cota	Acostamento / Faixa de Segurança / Concordância de Pista P.	Dist.	Cota	Decliv.	Faixa de Aceleração ou Desaceleração P.	Dist.	Cota	Decliv.	Bordo da pista P.	Dist.	Cota	Decliv.
DISPOSITIVO EST.1300+0,000 - EST.1290+11,799 a EST. 1313+3,427																																
1313+3,427			33	- 13,076	277,442	18	-	-	17	-	-	16	-	-	15	-	-	10	- 11,505	278,489	9	- 10,005	278,564	-3,00%	8	- 8,505	278,609	-3,00%	7	- 4,905	278,717	-3,00%
1314+0,000			33	- 13,031	277,386	18	-	-	17	-	-	16	-	-	15	-	-	10	- 11,505	278,404	9	- 10,005	278,479	-3,00%	8	- 8,505	278,524	-3,00%	7	- 4,905	278,632	-3,00%
1315+0,000			33	- 12,789	277,445	18	-	-	17	-	-	16	-	-	15	-	-	10	- 11,505	278,301	9	- 10,005	278,376	-3,00%	8	- 8,505	278,421	-3,00%	7	- 4,905	278,529	-3,00%
1316+0,000			33	- 12,516	277,524	18	-	-	17	-	-	16	-	-	15	-	-	10	- 11,505	278,198	9	- 10,005	278,273	-3,00%	8	- 8,505	278,318	-3,00%	7	- 4,905	278,426	-3,00%
1316+3,353		PCV	33	- 12,486	277,527	18	-	-	17	-	-	16	-	-	15	-	-	10	- 11,505	278,181	9	- 10,005	278,256	-3,00%	8	- 8,505	278,301	-3,00%	7	- 4,905	278,409	-3,00%
1317+0,000			33	- 12,306	277,591	18	-	-	17	-	-	16	-	-	15	-	-	10	- 11,505	278,125	9	- 10,005	278,200	-3,00%	8	- 8,505	278,245	-3,00%	7	- 4,905	278,353	-3,00%
1317+7,317			33	- 12,242	277,628	18	-	-	17	-	-	16	-	-	15	-	-	10	- 11,505	278,119	9	- 10,005	278,194	-3,00%	8	- 8,505	278,239	-3,00%	7	- 4,905	278,347	-3,00%
1318+0,000			33	- 12,226	277,656	18	-	-	17	-	-	16	-	-	15	-	-	10	- 11,505	278,136	9	- 10,005	278,211	-3,00%	8	- 8,505	278,256	-3,00%	7	- 4,905	278,364	-3,00%
1318+13,353			33	- 12,047	277,831	18	-	-	17	-	-	16	-	-	15	-	-	10	- 11,505	278,192	9	- 10,005	278,267	-3,00%	8	- 8,505	278,312	-3,00%	7	- 4,905	278,420	-3,00%
1319+0,000			33	- 11,817	278,026	18	-	-	17	-	-	16	-	-	15	-	-	10	- 11,505	278,234	9	- 10,005	278,309	-3,00%	8	- 8,505	278,354	-3,00%	7	- 4,839	278,451	-3,00%
1320+0,000			33	- 11,728	278,268	18	-	-	17	-	-	16	-	-	15	-	-	10	- 11,505	278,417	9	- 10,005	278,492	-3,00%	8	- 8,505	278,537	-3,00%	7	- 4,905	278,645	-3,00%
1321+0,000			33	- 12,028	278,909	18	-	-	17	-	-	16	-	-	15	-	-	10	- 11,505	278,386	9	- 10,005	278,761	-3,00%	8	- 8,505	278,806	-3,00%	7	- 4,905	278,914	-3,00%
1321+3,353		PTV	33	- 12,046	278,980	18	-	-	17	-	-	16	-	-	15	-	-	10	- 11,505	278,440	9	- 10,005	278,815	-3,00%	8	- 8,505	278,860	-3,00%	7	- 4,905	278,968	-3,00%
1321+18,437			33	- 12,092	279,272	18	-	-	17	-	-	16	-	-	15	-	-	10	- 11,505	278,686	9	- 10,005	279,061	-3,00%	8	- 8,505	279,106	-3,00%	7	- 4,905	279,214	-3,00%

ESTACA	COTAS DE EIXO: Terreno Natural	Projeto	Cota vermelha	LADO DIREITO – PLATAFORMA ACABADA – Bordo da pista P.	Dist.	Cota	Decliv.	Faixa de Aceleração ou Desaceleração P.	Dist.	Cota	Decliv.	Acostamento / Faixa de Segurança / Concordância de Pista P.	Dist.	Cota	Decliv.	Fundo canaleta / Barreira P.	Dist.	Cota	Início da Primeira Berma / Encontro de Talude P.	Dist.	Cota	Fim da Primeira Berma P.	Dist.	Cota	Início da Segunda Berma P.	Dist.	Cota	Fim da Segunda Berma P.	Dist.	Cota	Talude P.	Dist.	Cota	ALTURAS DOS TALUDES: LE	LD
DISPOSITIVO EST.1300+0,000 - EST.1290+11,799 a EST. 1313+3,427																																				
1313+3,427	277,462	278,864	1,402	7	4,905	278,717	-3,00%	8	8,505	278,609	-3,00%	9	10,005	278,564	-3,00%	10	11,505	278,489	15	-	-	16	-	-	17	-	-	18	-	-	33	12,690	277,699	-1,0	0,8
1314+0,000	277,438	278,779	1,341	7	4,905	278,632	-3,00%	8	8,505	278,524	-3,00%	9	10,005	278,479	-3,00%	10	11,505	278,404	15	-	-	16	-	-	17	-	-	18	-	-	33	12,717	277,595	-1,0	0,8
1315+0,000	277,508	278,676	1,168	7	4,905	278,529	-3,00%	8	8,505	278,421	-3,00%	9	10,005	278,376	-3,00%	10	11,505	278,301	15	-	-	16	-	-	17	-	-	18	-	-	33	12,434	277,682	-0,9	0,6
1316+0,000	277,613	278,573	0,960	7	4,905	278,426	-3,00%	8	8,505	278,318	-3,00%	9	10,005	278,273	-3,00%	10	11,505	278,198	15	-	-	16	-	-	17	-	-	18	-	-	33	12,270	277,688	-0,7	0,5
1316+3,353	277,590	278,556	0,966	7	4,905	278,409	-3,00%	8	8,505	278,301	-3,00%	9	10,005	278,256	-3,00%	10	11,505	278,181	15	-	-	16	-	-	17	-	-	18	-	-	33	12,322	277,636	0,7	0,5
1317+0,000	277,561	278,500	0,939	7	4,905	278,353	-3,00%	8	8,505	278,245	-3,00%	9	10,005	278,200	-3,00%	10	11,505	278,125	15	-	-	16	-	-	17	-	-	18	-	-	33	12,026	277,777	-0,5	0,3
1317+7,317	277,581	278,494	0,913	7	4,905	278,347	-3,00%	8	8,505	278,239	-3,00%	9	10,005	278,194	-3,00%	10	11,505	278,119	15	-	-	16	-	-	17	-	-	18	-	-	33	12,394	277,526	-0,5	0,6
1318+0,000	277,624	278,511	0,887	7	4,905	278,364	-3,00%	8	8,505	278,256	-3,00%	9	10,005	278,211	-3,00%	10	11,505	278,136	15	-	-	16	-	-	17	-	-	18	-	-	33	12,176	277,689	-0,5	0,4
1318+13,353	277,832	278,567	0,734	7	4,905	278,420	-3,00%	8	8,505	278,312	-3,00%	9	10,005	278,267	-3,00%	10	11,505	278,192	15	-	-	16	-	-	17	-	-	18	-	-	33	12,097	277,797	-0,4	0,4
1319+0,000	278,018	278,609	0,591	7	4,905	278,462	-3,00%	8	8,505	278,354	-3,00%	9	10,005	278,309	-3,00%	10	11,505	278,234	15	-	-	16	-	-	17	-	-	18	-	-	33	11,975	277,920	-0,2	-0,3
1320+0,000	278,370	278,792	0,422	7	4,905	278,645	-3,00%	8	8,505	278,537	-3,00%	9	10,005	278,492	-3,00%	10	11,505	278,417	15	-	-	16	-	-	17	-	-	18	-	-	33	11,791	278,226	-0,1	0,2
1321+0,000	278,845	279,061	0,216	7	4,905	278,914	-3,00%	8	8,505	278,806	-3,00%	9	10,005	278,761	-3,00%	10	11,505	278,686	15	-	-	16	-	-	17	-	-	18	-	-	33	11,826	278,707	-0,5	0,0
1321+3,353	278,895	279,115	0,220	7	4,905	278,968	-3,00%	8	8,505	278,860	-3,00%	9	10,005	278,815	-3,00%	10	11,505	278,440	15	-	-	16	-	-	17	-	-	18	-	-	33	11,824	278,758	-0,5	-0,3
1321+18,437	279,103	279,361	0,258	7	4,905	279,214	-3,00%	8	8,505	279,106	-3,00%	9	10,005	279,061	-3,00%	10	11,505	278,986	15	-	-	16	-	-	17	-	-	18	-	-	33	11,537	279,017	-0,6	0,0

4.1.2.Interseção Est.35+0,000

4.1.2.1. Ramo 100

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 35+0,000 - Ramo 100

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA														COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA														ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança / Concordância de Pista				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Acostamento				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
100+0,000	PC	PPV	33	-	338,140	10	-	-	9	-	-	-	7	-	-	-	338,140	338,206	0,066	7	3,600	338,098	-3,000%	9	6,100	337,973	-5,000%	10	7,600	337,898	33	8,043	337,603	-	0,3
100+10,000			33	- 0,052	338,147	10	-	-	9	-	-	-	7	- 0,052	338,204	-3,86%	338,140	338,206	0,066	7	3,600	338,098	-3,000%	9	6,100	337,973	-5,000%	10	7,600	337,898	33	8,043	337,603	-	0,3
101+0,000			33	- 0,206	338,518	10	-	-	9	-	-	-	7	- 0,206	338,570	-0,23%	338,528	338,570	0,043	7	3,600	338,462	-3,000%	9	6,100	338,337	-5,000%	10	7,600	338,262	33	7,899	338,063	-	0,2
102+0,000			33	- 0,825	338,856	10	-	-	9	-	-	-	7	- 0,825	338,934	-0,11%	338,854	338,935	0,081	7	3,600	338,827	-3,000%	9	6,100	338,702	-5,000%	10	7,600	338,627	33	8,092	338,299	-	0,3
103+0,000			33	- 1,811	339,188	10	-	-	9	-	-	-	7	- 1,859	339,299	-0,02%	339,170	339,299	0,130	7	3,600	339,191	-3,000%	9	6,100	339,066	-5,000%	10	7,600	338,991	33	8,720	338,244	-	0,7
104+0,000			33	- 3,308	339,532	10	-	-	9	- 3,308	339,665	0,02%	7	- 1,400	339,664	0,02%	339,439	339,664	0,225	7	3,600	339,556	-3,000%	9	6,100	339,431	-5,000%	10	7,600	339,356	33	9,216	338,279	0,1	1,1
104+5,000		PCV	33	- 3,736	339,624	10	-	-	9	- 3,736	339,757	0,04%	7	- 1,400	339,756	0,04%	339,492	339,755	0,263	7	3,600	339,647	-3,000%	9	6,100	339,522	-5,000%	10	7,600	339,447	33	9,322	338,299	0,1	1,1
105+0,000			33	- 5,178	339,862	10	-	-	9	- 5,178	340,049	0,14%	7	- 1,400	340,043	0,14%	339,720	340,041	0,321	7	3,600	339,933	-3,000%	9	6,100	339,808	-5,000%	10	7,600	339,733	33	9,478	338,481	0,2	1,3
105+14,724			33	- 2,400	339,936	10	-	-	9	- 2,400	340,419	3,00%	7	- 1,400	340,389	3,00%	339,721	340,347	0,626	7	3,600	340,239	-3,000%	9	6,100	340,114	-5,000%	10	7,600	340,039	33	9,804	338,570	0,5	1,5
106+0,000			33	- 2,400	339,983	10	-	-	9	- 2,400	340,535	3,00%	7	- 1,400	340,505	3,00%	339,675	340,463	0,788	7	3,600	340,355	-3,000%	9	6,100	340,230	-5,000%	10	7,600	340,155	33	9,950	338,588	0,6	1,6
106+5,000			33	- 2,400	340,026	10	-	-	9	- 2,400	340,647	3,00%	7	- 1,400	340,617	3,00%	339,619	340,575	0,956	7	3,600	340,467	-3,000%	9	6,100	340,342	-5,000%	10	7,600	340,267	33	10,093	338,605	0,6	1,7
106+17,654			33	- 4,809	340,264	10	- 3,900	340,870	9	- 2,400	340,945	3,00%	7	- 1,400	340,915	3,00%	339,436	340,868	1,433	7	3,600	340,760	-3,000%	9	6,100	340,635	-5,000%	10	7,600	340,560	33	10,464	338,651	0,6	1,9
107+0,000			33	- 4,854	340,291	10	- 3,900	340,927	9	- 2,400	341,002	3,00%	7	- 1,400	340,972	3,00%	339,446	340,930	1,485	7	3,600	340,822	-3,000%	9	6,100	340,697	-5,000%	10	7,600	340,622	33	10,543	338,660	0,6	2,0
108+0,000			33	- 5,640	340,281	10	- 3,900	341,440	9	- 2,400	341,515	3,00%	7	- 1,400	341,485	3,00%	339,452	341,443	1,992	7	3,600	341,335	-3,000%	9	6,100	341,210	-5,000%	10	7,600	341,135	33	10,488	339,210	1,2	1,9
108+5,000		PTV	33	- 5,718	340,364	10	- 3,900	341,576	9	- 2,400	341,651	3,00%	7	- 1,400	341,621	3,00%	339,556	341,579	2,023	7	3,600	341,471	-3,000%	9	6,100	341,346	-5,000%	10	7,600	341,271	33	10,494	339,342	1,2	1,9
109+0,000			33	- 6,233	340,431	10	- 3,900	341,986	9	- 2,400	342,061	3,00%	7	- 1,400	342,031	3,00%	339,845	341,989	2,144	7	3,600	341,881	-3,000%	9	6,100	341,756	-5,000%	10	7,600	341,681	33	10,498	339,749	1,6	1,9
110+0,000			33	- 6,748	340,635	10	- 3,900	342,534	9	- 2,400	342,609	3,00%	7	- 1,400	342,579	3,00%	340,140	342,537	2,397	7	3,600	342,429	-3,000%	9	6,100	342,304	-5,000%	10	7,600	342,229	33	10,287	340,437	1,9	1,8
111+0,000			33	- 7,307	340,810	10	- 3,900	343,081	9	- 2,400	343,156	3,00%	7	- 1,400	343,126	3,00%	340,360	343,084	2,725	7	3,600	342,976	-3,000%	9	6,100	342,851	-5,000%	10	7,600	342,776	33	9,461	341,536	2,3	1,2
112+0,000			33	- 7,706	341,091	10	- 3,900	343,629	9	- 2,400	343,704	3,00%	7	- 1,400	343,674	3,00%	341,218	343,632	2,414	7	3,600	343,524	-3,000%	9	6,100	343,399	-5,000%	10	7,600	343,324	33	9,483	342,068	2,5	1,3
113+0,000			33	- 8,624	341,027	10	- 3,900	344,176	9	- 2,400	344,251	3,00%	7	- 1,400	344,221	3,00%	342,177	344,179	2,002	7	3,600	344,071	-3,000%	9	6,100	343,946	-5,000%	10	7,600	343,871	33	9,548	342,572	3,1	1,3
114+0,000			33	- 7,103	342,588	10	- 3,900	344,724	9	- 2,400	344,799	3,00%	7	- 1,400	344,769	3,00%	342,597	344,727	2,129	7	3,600	344,619	-3,000%	9	6,100	344,494	-5,000%	10	7,600	344,419	33	9,556	343,115	2,1	1,3
114+12,291			33	- 6,945	343,129	10	- 3,900	345,159	9	- 2,400	345,234	3,00%	7	- 1,400	345,204	3,00%	343,349	345,162	1,812	7	3,600	345,054	-3,000%	9	6,100	344,929	-5,000%	10	7,600	344,854	33	9,493	343,592	2,0	1,3
114+15,888			33	- 2,400	343,350	10	-	-	9	- 2,400	345,234	3,00%	7	- 1,400	345,204	3,00%	343,349	345,162	1,812	7	3,600	345,054	-3,000%	9	6,100	344,929	-5,000%	10	7,600	344,854	33	9,493	343,592	1,9	1,3
115+0,000			33	- 7,752	343,229	10	-	-	9	-	-	-	7	- 7,752	345,127	-1,89%	343,544	345,274	1,730	7	3,600	345,166	-3,000%	9	6,100	345,041	-5,000%	10	7,600	344,966	33	9,377	343,782	-	1,2
115+3,960			33	- 12,459	343,137	10	-	-	9	-	-	-	7	- 12,459	345,004	-3,04%	343,732	345,382	1,651	7	3,600	345,274	-3,000%	9	6,100	345,149	-5,000%	10	7,600	345,074	33	9,265	343,965	-	1,1
116+0,000			33	- 12,116	343,749	10	- 9,355	345,589	9	- 7,855	345,664	-2,00%	7	- 6,316	345,695	-2,00%	344,477	345,822	1,344	7	3,600	345,714	-3,000%	9	6,100	345,589	-5,000%	10	7,600	345,514	33	9,042	344,552	1,8	1,0
117+0,000			33	- 8,858	344,784	10	- 6,670	346,242	9	- 5,170	346,317	-1,00%	7	- 3,669	346,332	-1,00%	345,097	346,369	1,272	7	3,600	346,261	-3,000%	9	6,100	346,136	-5,000%	10	7,600	346,061	33	9,026	345,110	1,5	1,0
117+3,830			33	- 8,753	344,964	10	- 6,600	346,399	9	- 5,100	346,474	0,00%	7	- 3,600	346,474	0,00%	345,179	346,474	1,295	7	3,600	346,366	-3,000%	9	6,100	346,241	-5,000%	10	7,600	346,166	33	9,029	345,213	1,4	1,0
118+0,000			33	- 9,554	345,025	10	- 6,600	346,994	9	- 5,100	347,069	3,00%	7	- 3,600	347,024	3,00%	345,556	346,916	1,360	7	3,600	346,808	-3,000%	9	6,100	346,683	-5,000%	10	7,600	346,608	33	9,087	345,617	2,0	1,0
119+0,000			33	- 10,196	345,145	10	- 6,600	347,542	9	- 5,100	347,617	3,00%	7	- 3,600	347,572	3,00%	346,068	347,464	1,396	7	3,600	347,356	-3,000%	9	6,100	347,231	-5,000%	10	7,600	347,156	33	9,174	346,107	2,4	1,0
120+0,000			33	- 9,127	346,405	10	- 6,600	348,089	9	- 5,100	348,164	3,00%	7	- 3,600	348,119	3,00%	346,293	348,011	1,718	7	3,600	347,903	-3,000%	9	6,100	347,778	-5,000%	10	7,600	347,703	33	9,177	346,652	1,7	1,1
121+0,000			33	- 8,709	347,231	10	- 6,600	348,637	9	- 5,100	348,712	3,00%	7	- 3,600	348,667	3,00%	347,334	348,559	1,224	7	3,600	348,451	-3,000%	9	6,100	348,326	-5,000%	10	7,600	348,251	33	8,771	347,470	1,4	0,8
122+0,000			33	- 8,564	350,207	10	- 6,600	349,184	9	- 5,100	349,259	3,00%	7	- 3,600	349,214	3,00%	347,852	349,106	1,254	7	3,600	348,998	-3,000%	9	6,100	348,873	-5,000%	10	7,600	348,798	33	8,645	348,101	1,4	0,7
123+0,000			33	- 8,687	348,340	10	- 6,600	349,732	9	- 5,100	349,807	3,00%	7	- 3,600	349,762	3,00%	348,448	349,654	1,206	7	3,600	349,546	-3,000%	9	6,100	349,421	-5,000%	10	7,600	349,346	33	8,920	348,466	1,4	0,9
124+0,000			33	- 8,844	348,783	10	- 6,600	350,279	9	- 5,100	350,354	3,00%	7	- 3,600	350,309	3,00%	349,012	350,201	1,189	7	3,600	350,093	-3,000%	9	6,100	349,968	-5,000%	10	7,600	349,893	33	8,779	349,107	1,5	0,8
125+0,000			33	- 8,725	349,410	10	- 6,600	350,826	9	- 5,100	350,901	3,00%	7	- 3,600	350,856	3,00%	349,483	350,748	1,266	7	3,600	350,640	-3,000%	9	6,100	350,515	-5,000%	10	7,600	350,440	33	8,810	349,634	1,4	0,8
126+0,000			33	- 8,597	350,043	10	- 6,600	351,374	9	- 5,100	351,449	3,00%	7	- 3,600	351,404	3,00%	350,184	351,296	1,112	7	3,600	351,188	-3,000%	9	6,100	351,063	-5,000%	10	7,600	350,988	33	8,707	350,250	1,3	0,7
126+5,181			33	- 8,564	350,207	10	- 6,600	351,516	9	- 5,100	351,591	3,00%	7	- 3,600	351,546	3,00%	350,352	351,438	1,086	7	3,600	351,330	-3,000%	9	6,100	351,205	-5,000%	10	7,600	351,130	33	8,672	350,415	1,3	0,7
127+0,000			33	- 8,511	350,647	10	- 6,600	351,921	9	- 5,100	351,996	3,00%	7	- 3,600	351,951	3,00%	350,822	351,843	1,021	7	3,600	351,735	-3,000%	9	6,100	351,610	-5,000%	10	7,600	351,535	33	8,661	350,828	1,3	0,7
128+0,000			33	- 8,496	351,205	10	- 6,600	352,469	9	- 5,100	352,544	3,00%	7	- 3,600	352,499	3,00%	351,194	352,391	1,197	7	3,600	352,283	-3,000%	9	6,100	352,158	-5,000%	10	7,600	352,083	33	8,711	351,342	1,3	0,7
129+0,000			33	- 8,358	351,844	10	- 6,600	353,016	9	- 5,100	353,091	3,00%	7	- 3,600	353,046	3,00%	351,878	352,938	1,060	7	3,600	352,830	-3,000%	9	6,100	352,705	-5,000%	10	7,600	352,630	33	8,292	352,169	1,2	0,5
130+0,000			33	- 8,239	352,471	10	- 6,600	353,564	9	- 5,100	353,639	3,00%	7	- 3,600	353,594	3,00%	352,729	353,486	0,756	7	3,600	353,378	-3,000%	9	6,100	353,253	-5,000%	10	7,600	353,178	33	8,399	352,645	1,1	0,5
131+0,000			33	- 8,279	352,992	10	- 6,600	354,111	9	- 5,100	354,186	3,00%	7	- 3,600	354,141	3,00%	353,054	354,033	0,979	7	3,600	353,925	-3,000%	9	6,100	353,800	-5,000%	10	7,600	353,725	33	8,514	353,116	1,1	0,6
132+0,000			33	- 8,078	353,673	10	- 6,600	354,659	9	- 5,100	354,734	3,00%	7	- 3,600	354,689	3,00%	353,532	354,581	1,048	7	3,600	354,473	-3,000%	9	6,100	354,348	-5,000%	10	7,600	354,273	33	8,448	353,707	1,0	0,6
133+0,000			33	- 8,154	354,170	10	- 6,600	355,206	9	- 5,100	355,281	3,00%	7	- 3,600	355,236	3,00%	354,205	355,128	0,923	7	3,600	355,020	-3,000%	9	6,100	354,895	-5,000%	10	7,600	354,820	33	8,492	354,226	1,0	0,6
134+0,000			33	- 8,252	354,652	10	- 6,600	355,753	9	- 5,100	355,828	3,00%	7	- 3,600	355,783	3,00%	354,699	355,675	0,977	7	3,600	355,567	-3,000%	9	6,100	355,442	-5,000%	10	7,600	355,367	33	8,524	354,752	1,1	0,6
135+0,000			33	- 8,220	355,221	10	- 6,600	356,301	9	- 5,100	356,376	3,00%	7	- 3,600	356,331	3,00%	355,430	356,223	0,793	7	3,600	356,115	-3,000%	9	6,100	355,990	-5,000%	10	7,600	355,915	33	8,461	355,341	1,1	0,6
135+12,719			33	- 7,430	355,610	10	- 6,100	356,496	9	- 4,600	356,571	0,00%	7	- 3,600	356,571	0,00%	355,639	356,571	0,932	7	3,600	356,463	-3,000%	9	6,100	356,338	-5,000%	10	7,600	356,263	33	8,507	355,658	0,9	0,6
136+0,000			33	- 8,112	355,833	10	- 6,100	356,641	9	- 5,400	356,716	-1,00%	7	- 3,895	356,731	-1,00%	355,854	356,770	0,916	7	3,600	356,662	-3,000%	9	6,100	356,537	-5,000%	10	7,600	356,462	33	8,486	355,872	0,8	0,6
137+0,000			33	- 11,945	356,491	10	- 10,916	357,177	9	- 9,416	357,252	-0,70%	7	- 7,842	357,263	-0,70%	356,233	357,318	1,085	7	3,600	357,210	-3,000%	9	6,100	357,085	-5,000%	10	7,600	357,010	33	8,704	356,274	0,7	0,7
137+9,958			33	- 14,410	356,813	10	-	-	9	- 14,410	357,512	-0,55%	7	- 12,910	357,520	-0,55%	356,593	357,590	0,998	7	3,600	357,482	-3,000%	9	6,100	357,357	-5,000%	10	7,600	357,282	33	8,699	356,550	-	0,7
137+18,945			33	- 2,400	358,880	10	-	-	9	- 2,400	357,908	3,00%	7	- 1,400	357,878	2,97%	356,917	357,836	0,919	7	3,600	357,728	-3,000%	9	6,100	357,603	-5,000%	10	7,600	357,528	33	8,601	356,861	-	0,7
138+0,000			33	- 2,400	356,917	10	-	-	9	- 2,400	357,937	3,00%	7	- 1,400	357,907	3,00%	356,954	357,865	0,911	7	3,600	357,757	-3,000%	9	6,100	357,632	-5,000%	10	7,600	357,557	33	8,590	356,897	-	0,7
138+2,175			33	- 5,234	357,032	10	- 3,900	357,922	9	- 2,400	357,997	3,00%	7	- 1,400	357,967	3,00%	357,027	357,925	0,898	7	3,600	357,817	-3,000%	9	6,100	357,692	-5,000%	10	7,600	357,617	33	8,578	356,965	0,9	0,7
139+0,000			33	- 5,280	357,490	10	- 3,900	358,410	9	- 2,400	358,485	3,00%	7	- 1,400	358,455	3,00%	357,620	358,413	0,793	7	3,600	358,305	-3,000%	9	6,100	358,180	-5,000%	10	7,600	358,105	33	8,416	357,561	0,9	0,5
139+10,000		PCV	33	- 5,217	357,805	10	- 3,900	358,683	9	- 2,400	358,758	3,00%	7	- 1,400	358,728	3,00%	357,858	358,686	0,828	7	3,600	358,578	-3,000%	9	6,100	358,453	-5,000%	10	7,600	358,378	33	8,483	357,790	0,9	0,6
140+0,000			33	- 5,135	358,129	10	- 3,900	358,952	9	- 2,400	359,027	3,00%	7	- 1,400	358,997	3,00%	358,097	358,955	0,858	7	3,600	358,847	-3,000%	9	6,100	358,722	-5,000%	10	7,600	358,647	33	8,540	358,021	0,8	0,6
141+0,000			33	- 5,213	358,585	10	- 3,900	359,460	9	- 2,400	359,535	3,00%	7	- 1,400	359,505	3,00%	358,558	359,463	0,905	7	3,600	359,355	-3,000%	9	6,100	359,230	-5,000%	10	7,600	359,155	33	8,563	358,513	0,9	0,6
142+0,000			33	- 5,009	359,188	10	- 3,900	359,927	9	- 2,400	360,002	3,00%	7	- 1,400	359,972	3,00%	359,185	359,930	0,745	7	3,600	359,822	-3,000%	9	6,100	359,697	-5,000%	10	7,600	359,622	33	8,462	359,048	0,7	0,6
143+0,000			33	- 4,960	359,648	10	- 3,900	360,355	9	- 2,400	360,430	3,00%	7	- 1,400	360,400	3,00%	359,644	360,358	0,714	7	3,600	360,250	-3,000%	9	6,100	360,125	-5,000%	10	7,600	360,050	33	8,404	359,514	0,7	0,5
144+0,000			33	- 4,911	360,069	10	- 3,900	360,743	9	- 2,400	360,818	3,00%	7	- 1,400	360,788	3,00%	360,028	360,746	0,718	7	3,600	360,638	-3,000%	9	6,100	360,513	-5,000%	10	7,600	360,438	33	8,318	359,959	0,7	0,5
145+0,000			33	- 4,795	360,495	10	- 3,900	361,092	9	- 2,400	361,167	3,00%	7	- 1,400	361,137	3,00%	360,575	361,095	0,520	7	3,600	360,987	-3,000%	9	6,100	360,862	-5,000%	10	7,600	360,787	33	8,137	360,428	0,6	0,4
145+12,709			33	- 4,698	360,760	10	- 3,900	361,292	9	- 2,400	361,367	3,00%	7	- 1,400	361,337	3,00%	360,746	361,295	0,549	7	3,600	361,187	-3,000%	9	6,100	361,062	-5,000%	10	7,600	360,987	33	8,134	360,631	0,5	0,4
146+0,000			33	- 2,400	360,863	10	-	-	9	- 2,400	361,475	3,00%	7	- 1,400	361,445	3,00%	360,849	361,403	0,554	7	3,600	361,295	-3,000%	9	6,100	361,170	-5,000%	10	7,600	361,095	33	8,126	360,744	0,6	0,4
146+15,639			33	- 2,400	361,276	10	-	-	9	- 2,400	361,688	3,00%	7	- 1,400	361,658	3,00%	361,180	361,616	0,436	7	3,600	361,508	-3,000%	9	6,100	361,383	-5,000%	10	7,600	361,308	33	8,038	361,016	0,4	0,3
147+0,000			33	- 6,312	361,402	10	-	-	9	- 6,312	361,653	-1,23%	7	- 1,400	361,713	3,00%	361,268	361,671	0,404	7	3,600	361,563	-3,000%	9	6,100	361,438	-5,000%	10	7,600	361,363	33	7,994	361,101	0,3	0,3
148+0,000			33	- 4,224	361,617	10	-	-	9	- 2,818	361,915	-1,90%	7	- 1,400	361,942	3,00%	361,534	361,900	0,366	7	3,600	361,792	-3,000%	9	6,100	361,667	-5,000%	10	7,600	361,592	33	7,849	361,426	0,3	0,2
149+0,000			33	- 2,558	361,842	10	-	-	9	-	-	-	7	- 2,558	362,081	-0,28%	361,831	362,089	0,257	7	3,600	361,981	-3,000%	9	6,100	361,856	-5,000%	10	7,600	361,781	33	7,692	361,719	-	0,1
150+0,000			33	- 1,309	362,244	10	-	-	9	-	-	-	7	- 1,309	362,233	-0,33%	362,230	362,238	0,007	7	3,600	362,130	-3,000%	9	6,100	362,005	-5,000%	10	7,600	361,630	33	8,027	362,057	-	-0,4
151+0,000			33	- 0,475	362,392	10	-	-	9	-	-	-	7	- 0,475	362,344	-0,54%	362,384	362,347	-0,037	7	3,600	362,239	-3,000%	9	6,100	362,114	-5,000%	10	7,600	361,739	33	8,110	362,248	-	-0,5
152+0,000			33	- 0,055	362,535	10	-	-	9	-	-	-	7	- 0,055	362,414	-0,75%	362,534	362,416	-0,119	7	3,600	362,308	-3,000%	9	6,100	362,183	-5,000%	10	7,600	361,808	33	8,243	362,451	-	-0,6
152+10,000		PTV	33	- 0,000	362,643	10	-	-	9	-	-	-	7	-	-	-0,96%	362,643	362,435	-0,207	7	3,600	362,327	-3,000%	9	6,100	362,202	-5,000%	10	7,600	361,827	33	8,280	362,507	-	-0,7
152+10,363	PT	PFV	33	-	362,647	10	-	-	9	-	-	-	7	-	-	-1,17%	362,647	362,436	-0,211	7	3,600	362,328	-3,000%	9	6,100	362,203	-5,000%	10	7,600	361,828	33	8,283	362,511	-	-0,7

4.1.2.2. Ramo 200

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 35+0,000 - Ramo 200

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA														COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA														ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança / Concordância de Pista				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Acostamento / Faixa de Segurança / Concordância de Pista				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
200+0,000	PP	PPV	33	-	362,647	10	-	-	9	-	-	-	7	-	-	-	362,647	362,436	-0,211	7	3,600	362,328	-3,00%	9	6,100	362,203	-5,00%	10	7,600	361,828	33	8,617	362,845	-	-1,0
200+5,000		PCV	33	-	362,593	10	-	-	9	-	-	-	7	-	-	-	362,593	362,426	-0,167	7	3,600	362,318	-3,00%	9	6,100	362,193	-5,00%	10	7,600	361,818	33	8,564	362,783	-	-1,0
201+0,000			33	-	362,465	10	-	-	9	-	-	-	7	-	-	-	362,465	362,386	-0,080	7	3,600	362,278	-3,00%	9	6,100	362,153	-5,00%	10	7,600	361,778	33	8,439	362,616	-	-0,8
202+0,000			33	-	362,319	10	-	-	9	-	-	-	7	-	-	-	362,319	362,296	-0,023	7	3,600	362,188	-3,00%	9	6,100	362,063	-5,00%	10	7,600	361,688	33	8,319	362,407	-	-0,7
203+0,000			33	-	362,051	10	-	-	9	-	-	-	7	-	-	-	362,051	362,166	0,114	7	3,600	362,058	-3,00%	9	6,100	361,933	-5,00%	10	7,600	361,558	33	8,127	362,084	-	-0,5
204+0,000			33	-	361,765	10	-	-	9	-	-	-	7	-	-	-	361,765	361,995	0,231	7	3,600	361,887	-3,00%	9	6,100	361,762	-5,00%	10	7,600	361,387	33	8,167	361,955	-	-0,6
205+0,000			33	-	361,536	10	-	-	9	-	-	-	7	-	-	-	361,536	361,784	0,248	7	3,600	361,676	-3,00%	9	6,100	361,551	-5,00%	10	7,600	361,176	33	8,028	361,604	-	-0,4
205+5,000			33	-	361,522	10	-	-	9	-	-	-	7	-	-	-	361,522	361,725	0,203	7	3,600	361,617	-3,00%	9	6,100	361,492	-5,00%	10	7,600	361,117	33	8,057	361,574	-	-0,5
205+14,857			33	-	2,399	361,302	10	-	-	9	-	2,399	361,673	3,00%	7	-	1,400	361,644	3,00%	361,316	361,602	0,285	7	3,600	361,494	-3,00%	9	6,100	361,369	-5,00%	10	7,600	360,994	33	7,972	361,366	0,4	-0,4
206+0,000			33	-	2,400	361,181	10	-	-	9	-	2,400	361,605	3,00%	7	-	1,400	361,575	3,00%	361,206	361,533	0,327	7	3,600	361,425	-3,00%	9	6,100	361,300	-5,00%	10	7,600	360,925	33	7,943	361,268	0,4	-0,3
206+17,884			33	-	4,651	360,770	10	-	3,900	361,271	9	-	2,400	361,346	3,00%	7	-	1,400	361,316	3,00%	360,862	361,281	0,419	7	3,600	361,166	-3,00%	9	6,100	361,041	-5,00%	10	7,600	360,966	33	7,659	360,927	0,5	0,0
207+0,000			33	-	4,654	360,736	10	-	3,900	361,238	9	-	2,400	361,313	3,00%	7	-	1,400	361,283	3,00%	360,813	361,241	0,428	7	3,600	361,133	-3,00%	9	6,100	361,008	-5,00%	10	7,600	360,933	33	7,669	360,887	0,5	0,0
208+0,000			33	-	4,692	360,378	10	-	3,900	360,906	9	-	2,400	360,981	3,00%	7	-	1,400	360,951	3,00%	360,420	360,909	0,489	7	3,600	360,801	-3,00%	9	6,100	360,676	-5,00%	10	7,600	360,601	33	7,766	360,490	0,5	0,1
209+0,000			33	-	4,794	359,937	10	-	3,900	360,533	9	-	2,400	360,608	3,00%	7	-	1,400	360,578	3,00%	359,986	360,536	0,551	7	3,600	360,428	-3,00%	9	6,100	360,303	-5,00%	10	7,600	360,228	33	7,873	360,046	0,6	0,2
210+0,000			33	-	4,873	359,472	10	-	3,900	360,120	9	-	2,400	360,195	3,00%	7	-	1,400	360,165	3,00%	359,491	360,123	0,632	7	3,600	360,015	-3,00%	9	6,100	359,890	-5,00%	10	7,600	359,815	33	7,994	359,553	0,6	0,3
210+5,000		PTV	33	-	4,866	359,367	10	-	3,900	360,011	9	-	2,400	360,086	3,00%	7	-	1,400	360,056	3,00%	359,386	360,014	0,628	7	3,600	359,906	-3,00%	9	6,100	359,781	-5,00%	10	7,600	359,706	33	8,017	359,427	0,6	0,3
211+0,000			33	-	4,957	358,973	10	-	3,900	359,678	9	-	2,400	359,753	3,00%	7	-	1,400	359,723	3,00%	358,997	359,681	0,684	7	3,600	359,573	-3,00%	9	6,100	359,448	-5,00%	10	7,600	359,373	33	8,092	359,045	0,7	0,3
212+0,000			33	-	5,098	358,436	10	-	3,900	359,234	9	-	2,400	359,309	3,00%	7	-	1,400	359,279	3,00%	358,455	359,237	0,783	7	3,600	359,129	-3,00%	9	6,100	359,004	-5,00%	10	7,600	358,929	33	8,192	358,535	0,8	0,4
212+12,559	TE		33	-	5,180	358,103	10	-	3,900	358,956	9	-	2,400	359,031	3,00%	7	-	1,400	359,001	3,00%	358,130	358,959	0,829	7	3,600	358,851	-3,00%	9	6,100	358,726	-5,00%	10	7,600	358,651	33	8,263	358,209	0,9	0,4
213+0,000			33	-	5,237	357,900	10	-	3,900	358,791	9	-	2,400	358,866	3,00%	7	-	1,400	358,836	3,00%	357,938	358,794	0,856	7	3,600	358,686	-3,00%	9	6,100	358,561	-5,00%	10	7,600	358,486	33	8,322	358,005	0,9	0,5
213+15,824			33	-	5,342	357,479	10	-	3,900	358,440	9	-	2,400	358,515	3,00%	7	-	1,400	358,485	3,00%	357,523	358,443	0,920	7	3,600	358,335	-3,00%	9	6,100	358,210	-5,00%	10	7,600	358,135	33	8,425	357,585	1,0	0,6
214+0,000			33	-	5,349	357,374	10	-	3,900	358,339	9	-	2,400	358,414	2,66%	7	-	1,400	358,388	2,66%	357,416	358,351	0,935	7	3,600	358,255	-2,66%	9	6,100	358,130	-5,00%	10	7,600	358,055	33	8,463	357,479	1,0	0,6
214+10,000		PCV	33	-	5,366	357,121	10	-	3,900	358,098	9	-	2,400	358,173	1,84%	7	-	1,400	358,155	1,84%	357,162	358,129	0,966	7	3,600	358,063	-1,84%	9	6,100	357,938	-5,00%	10	7,600	357,863	33	8,551	357,229	1,0	0,6
214+11,952			33	-	5,372	357,070	10	-	3,900	358,051	9	-	2,400	358,126	1,68%	7	-	1,400	358,109	1,68%	357,113	358,085	0,972	7	3,600	358,025	-1,68%	9	6,100	357,900	-5,00%	10	7,600	357,825	33	8,568	357,180	1,0	0,6
214+15,671			33	-	2,400	356,996	10	-	-	-	9	-	2,400	358,035	1,38%	7	-	1,400	358,021	1,38%	357,016	358,001	0,986	7	3,600	357,952	-1,38%	9	6,100	357,827	-5,00%	10	7,600	357,752	33	8,598	357,086	1,0	0,7
215+0,000			33	-	8,170	356,853	10	-	-	-	9	-	-	-		7	-	8,170	357,790	-1,38%	356,901	357,902	1,001	7	3,600	357,865	-1,03%	9	6,100	357,740	-5,00%	10	7,600	357,665	33	8,638	356,973	-	0,7
215+3,651			33	-	12,590	356,716	10	-	-	-	9	-	-	-		7	-	12,590	357,589	-1,76%	356,804	357,817	1,012	7	3,600	357,790	-0,73%	9	6,100	357,665	-5,00%	10	7,600	357,590	33	8,671	356,877	-	0,7
215+12,559			33	-	13,224	356,434	10	-	11,583	357,528	9	-	10,083	357,603	0,00%	7	-	8,522	357,603	0,00%	356,568	357,603	1,034	7	3,600	357,603	0,00%	9	6,100	357,478	-5,00%	10	7,600	357,403	33	8,778	356,617	1,1	0,8
216+0,000			33	-	11,266	356,236	10	-	9,682	357,292	9	-	8,182	357,367	-0,62%	7	-	6,646	357,376	-0,62%	356,355	357,418	1,062	7	3,600	357,440	0,61%	9	6,100	357,315	-5,00%	10	7,600	357,240	33	8,866	356,396	1,1	0,8
216+10,000			33	-	11,266	356,236	10	-	9,682	357,292	9	-	8,182	357,367	-0,59%	7	-	6,646	357,376	-0,62%	356,355	357,418	1,063	7	3,600	357,440	0,61%	9	6,100	357,315	-5,00%	10	7,600	357,240	33	8,866	356,396	1,1	0,8
216+16,559			33	-	8,549	355,860	10	-	7,142	356,798	9	-	5,642	356,873	-2,00%	7	-	4,136	356,903	-2,00%	355,915	356,986	1,071	7	3,600	357,056	1,96%	9	6,100	356,931	-5,00%	10	7,600	356,856	33	9,030	355,903	0,9	1,0
217+0,000		PTV	33	-	8,249	355,783	10	-	6,882	356,694	9	-	5,382	356,769	-2,29%	7	-	3,878	356,804	-2,29%	355,821	356,893	1,072	7	3,600	356,973	2,24%	9	6,100	356,848	-5,00%	10	7,600	356,773	33	9,067	355,795	0,9	1,0
217+8,559			33	-	7,871	355,580	10	-	6,601	356,427	9	-	5,101	356,502	-3,00%	7	-	3,601	356,547	-3,00%	355,555	356,655	1,100	7	3,600	356,761	2,94%	9	6,100	356,636	-5,00%	10	7,600	356,561	33	9,153	355,526	0,8	1,0
217+9,017			33	-	7,872	355,565	10	-	6,600	356,413	9	-	5,100	356,488	-3,04%	7	-	3,600	356,533	-3,04%	355,541	356,642	1,102	7	3,600	356,750	2,98%	9	6,100	356,626	-4,94%	10	7,600	356,551	33	9,159	355,512	0,8	1,0
217+10,000			33	-	7,877	355,530	10	-	6,600	356,381	9	-	5,100	356,456	-3,11%	7	-	3,600	356,503	-3,11%	355,510	356,615	1,104	7	3,600	356,725	3,06%	9	6,100	356,604	-4,83%	10	7,600	356,529	33	9,173	355,481	0,9	1,0
218+0,000			33	-	7,903	355,189	10	-	6,600	356,057	9	-	5,100	356,132	-3,91%	7	-	3,600	356,191	-3,91%	355,182	356,332	1,150	7	3,600	356,471	3,87%	9	6,100	356,381	-3,62%	10	7,600	356,306	33	9,297	355,174	0,9	1,1
218+12,559	EC		33	-	7,773	354,869	10	-	6,600	355,651	9	-	5,100	355,726	-4,90%	7	-	3,600	355,800	-4,90%	354,870	355,976	1,106	7	3,600	356,153	4,90%	9	6,100	356,100	-2,10%	10	7,600	356,025	33	9,248	354,927	0,8	1,1
219+0,000			33	-	7,790	354,647	10	-	6,600	355,441	9	-	5,100	355,516	-4,90%	7	-	3,600	355,589	-4,90%	354,723	355,766	1,042	7	3,600	355,942	4,90%	9	6,100	355,890	-2,10%	10	7,600	355,815	33	9,144	354,785	0,8	1,0
220+0,000			33	-	7,871	354,028	10	-	6,600	354,875	9	-	5,100	354,950	-4,90%	7	-	3,600	355,023	-4,90%	354,057	355,200	1,143	7	3,600	355,376	4,90%	9	6,100	355,324	-2,10%	10	7,600	355,249	33	9,300	354,116	0,8	1,1
220+12,885			33	-	7,818	353,697	10	-	6,600	354,509	9	-	5,100	354,584	-4,90%	7	-	3,600	354,658	-4,90%	353,656	354,834	1,178	7	3,600	355,011	4,90%	9	6,100	354,958	-2,10%	10	7,600	354,883	33	9,451	353,649	0,8	1,2
221+0,000			33	-	7,807	353,504	10	-	6,600	354,309	9	-	5,100	354,384	-4,90%	7	-	3,600	354,457	-4,90%	353,441	354,634	1,193	7	3,600	354,810	4,90%	9	6,100	354,933	4,92%	10	7,600	354,858	33	9,738	353,432	0,8	1,4
222+0,000			33	-	7,911	352,869	10	-	6,600	353,743	9	-	5,100	353,818	-4,90%	7	-	3,600	353,891	-4,90%	352,845	354,068	1,222	7	3,600	354,244	4,90%	9	6,577	354,390	4,90%	10	8,077	354,315	33	10,349	352,801	0,9	1,5
223+0,000			33	-	7,907	352,305	10	-	6,600	353,177	9	-	5,100	353,252	-4,90%	7	-	3,600	353,325	-4,90%	352,351	353,502	1,150	7	3,600	353,678	4,90%	9	7,887	353,880	4,71%	10	9,387	353,813	33	11,697	352,273	0,9	1,5
223+7,885			33	-	7,926	352,069	10	-	6,600	352,954	9	-	5,100	353,029	-4,90%	7	-	3,600	353,102	-4,90%	352,139	353,279	1,140	7	3,600	353,455	4,90%	9	8,400	353,690	4,90%	10	9,900	353,615	33	12,235	352,059	0,9	1,6
223+17,893			33	-	7,939	351,778	10	-	6,600	352,671	9	-	5,100	352,746	-4,90%	7	-	3,600	352,819	-4,90%	351,863	352,996	1,132	7	3,600	353,172	4,90%	9	8,400	353,172	0,00%	10	9,900	353,097	33	11,914	351,754	0,9	1,3
224+0,000			33	-	7,939	351,718	10	-	6,600	352,611	9	-	5,100	352,686	-4,90%	7	-	3,600	352,759	-4,90%	351,805	352,936	1,130	7	3,600	353,112	4,90%	9	8,450	353,112	0,00%	10	9,949	353,037	33	12,006	351,666	0,9	1,4
225+0,000			33	-	7,957	351,140	10	-	6,600	352,045	9	-	5,100	352,120	-4,90%	7	-	3,600	352,193	-4,90%	351,156	352,370	1,214	7	3,600	352,546	4,90%	9	10,702	352,546	0,00%	10	12,202	352,471	33	14,662	350,831	0,9	1,6
225+19,710			33	-	8,037	350,529	10	-	6,600	351,487	9	-	5,100	351,562	-4,90%	7	-	3,600	351,636	-4,90%	350,440	351,812	1,372	7	3,600	351,988	4,89%	9	19,721	351,484	-2,78%	10	21,221	351,409	33	22,920	350,276	1,0	1,1
226+0,000			33	-	8,038	350,520	10	-	6,600	351,479	9	-	5,100	351,554	-4,90%	7	-	3,600	351,627	-4,90%	350,431	351,804	1,373	7	3,600	351,980	4,90%	9	16,221	351,647	-2,64%	10	-	-	33	16,221	350,297	1,0	-
226+6,068			33	-	8,076	350,323	10	-	6,600	351,307	9	-	5,100	351,382	-4,90%	7	-	3,600	351,456	-4,90%	350,229	351,632	1,403	7	3,600	351,808	4,90%	9	6,100	351,931	4,90%	10	-	-	33	6,100	350,157	1,0	-
226+10,284			33	-	8,101	350,187	10	-	6,600	351,188	9	-	5,100	351,263	-4,90%	7	-	3,600	351,336	-4,90%	350,090	351,513	1,423	7	3,600	351,689	4,90%	9	6,100	351,637	-2,10%	10	7,600	351,562	33	9,962	349,987	1,0	1,6
227+0,000			33	-	8,147	349,881	10	-	6,600	350,913	9	-	5,100	350,988	-4,90%	7	-	3,600	351,061	-4,90%	349,781	351,238	1,456	7	3,600	351,414	4,90%	9	6,100	351,362	-2,10%	10	7,600	351,287	33	9,940	349,726	1,0	1,6
227+19,128			33	-	8,116	349,361	10	-	6,600	350,372	9	-	5,100	350,447	-4,90%	7	-	3,600	350,520	-4,90%	349,305	350,696	1,391	7	3,600	350,873	4,90%	9	6,100	350,820	-2,10%	10	7,600	350,745	33	9,861	349,238	1,0	1,5
228+0,000			33	-	8,110	349,340	10	-	6,600	350,347	9	-	5,100	350,422	-4,90%	7	-	3,600	350,495	-4,90%	349,284	350,672	1,388	7	3,600	350,848	4,90%	9	6,100	350,796	-2,10%	10	7,600	350,721	33	9,856	349,216	1,0	1,5
229+0,000			33	-	7,963	348,872	10	-	6,600	349,781	9	-	5,100	349,856	-4,90%	7	-	3,600	349,929	-4,90%	348,806	350,106	1,300	7	3,600	350,282	4,90%	9	6,100	350,230	-2,10%	10	7,600	350,155	33	9,957	348,583	0,9	1,6
229+5,767			33	-	7,926	348,734	10	-	6,600	349,618	9	-	5,100	349,693	-4,90%	7	-	3,600	349,766	-4,90%	348,647	349,943	1,295	7	3,600	350,119	4,90%	9	6,100	350,241	4,90%	10	-	-	33	6,100	348,465	0,9	-
229+9,511			33	-	7,903	348,643	10	-	6,600	349,512	9	-	5,100	349,587	-4,90%	7	-	3,600	349,660	-4,90%	348,499	349,837	1,337	7	3,600	350,013	4,90%	9	17,526	349,786	-0,79%	10	19,026	349,711	33	21,985	347,739	0,9	2,0
229+10,000		PCV	33	-	7,900	348,631	10	-	6,600	349,498	9	-	5,100	349,573	-4,90%	7	-	3,600	349,646	-4,90%	348,480	349,823	1,343	7	3,600	349,999	4,90%	9	13,243	349,902	-1,00%	10	14,743	349,827	33	17,681	347,869	0,9	2,0
230+0,000			33	-	7,933	348,335	10	-	6,600	349,223	9	-	5,100	349,298	-4,90%	7	-	3,600	349,372	-4,90%	348,114	349,548	1,434	7	3,600	349,724	4,90%	9	10,630	349,654	-1,00%	10	12,130	349,579	33	15,441	347,372	0,9	2,2
231+0,000			33	-	8,143	347,694	10	-	6,600	348,723	9	-	5,100	348,798	-4,90%	7	-	3,600	348,871	-4,90%	347,401	349,048	1,646	7	3,600	349,224	4,90%	9	9,250	349,167	-1,00%	10	10,750	349,092	33	14,526	346,575	1,0	2,5
232+0,000			33	-	9,093	346,626	10	-	6,600	348,288	9	-	5,100	348,363	-4,90%	7	-	3,600	348,436	-4,90%	345,949	348,613	2,664	7	3,600	348,789	4,90%	9	8,400	348,789	0,00%	10	9,900	348,714	33	13,867	346,070	1,7	2,6
232+8,554			33	-	9,254	346,352	10	-	6,600	348,122	9	-	5,100	348,197	-4,90%	7	-	3,600	348,270	-4,90%	345,507	348,447	2,940	7	3,600	348,623	4,90%	9	7,200	348,695	2,00%	10	9,900	348,644	33	12,774	346,728	1,8	1,9
232+10,000		PTV	33	-	9,265	346,318	10	-	6,600	348,095	9	-	5,100	348,170	-4,90%	7	-	3,600	348,244	-4,90%	345,772	348,420	2,648	7	3,600	348,596	4,90%	9	7,654	348,795	4,90%	10	9,154	348,720	33	12,194	346,693	1,8	2,0
233+0,000			33	-	9,844	345,747	10	-	6,600	347,910	9	-	5,100	347,985	-4,90%	7	-	3,600	348,059	-4,90%	343,779	348,235	4,456	7	3,600	348,412	4,90%	9	6,999	348,578	4,90%	10	8,499	348,503	33	10,816	346,959	2,2	1,5
234+0,000			33	-	11,439	344,315	10	-	6,600	347,541	9	-	5,100	347,616	-4,90%	7	-	3,600	347,690	-4,90%	344,976	347,866	2,890	7	3,600	348,042	4,90%	9	6,344	348,177	4,90%	10	7,844	348,102	33	10,170	346,551	3,2	1,6
235+0,000			33	-	12,056	343,535	10	-	6,600	347,172	9	-	5,100	347,247	-4,90%	7	-	3,600	347,320	-4,90%	345,590	347,497	1,907	7	3,600	347,685	4,90%	9	6,100	347,796	4,90%	10	7,600	347,721	33	10,237	345,963	3,6	1,8
235+3,554			33	-	12,038	343,481	10	-	6,600	347,106	9	-	5,100	347,181	-4,90%	7	-	3,600	347,255	-4,90%	345,662	347,431	1,769	7	3,600	347,608	4,90%	9	6,100	347,730	4,90%	10	7,600	347,655	33	10,331	345,834	3,6	1,8
236+0,000			33	-	12,211	343,062	10	-	6,600	346,803	9	-	5,100	346,878	-4,90%	7	-	3,600	346,951	-4,90%	345,536	347,127	1,591	7	3,600	347,304	4,90%	9	6,100	347,251	-2,10%	10	7,600	347,176	33	10,328	345,358	3,7	1,8
237+0,000			33	-	11,609	343,094	10	-	6,600	346,433	9	-	5,100	346,508	-4,90%	7	-	3,600	346,582	-4,90%	345,104	346,758	1,654	7	3,600	346,935	4,90%	9	6,100	346,882	-2,10%	10	7,600	346,807	33	11,048	344,509	3,3	2,3
237+5,698	CE		33	-	11,368	343,150	10	-	6,600	346,328	9	-	5,100	346,403	-4,90%	7	-	3,600	346,477	-4,90%	344,985	346,653	1,668	7	3,600	346,829	4,90%	9	6,100	346,777	-2,10%	10	7,600	346,702	33	11,219	344,290	3,2	2,4
238+0,000			33	-	11,272	343,009	10	-	6,600	346,124	9	-	5,100	346,199	-3,73%	7	-	3,600	346,255	-3,73%	344,678	346,389	1,710	7	3,600	346,523	3,73%	9	6,100	346,426	-3,88%	10	7,600	346,351	33	11,487	343,760	3,1	2,6

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 35+0,000 - Ramo 200

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA														COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA														ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança / Concordância de Pista				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Acostamento / Faixa de Segurança / Concordância de Pista				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
238+8,963			33	-11,398	342,798	10	-6,603	345,995	9	-5,103	346,070	-3,00%	7	-3,603	346,115	-3,00%	344,502	346,223	1,721	7	3,600	346,331	3,00%	9	6,100	346,206	-5,00%	10	7,600	346,131	33	11,584	343,476	3,2	2,7
239+0,000			33	-11,832	342,739	10	-7,203	345,825	9	-5,703	345,900	-2,10%	7	-4,195	345,932	-2,10%	344,280	346,020	1,740	7	3,600	346,095	2,10%	9	6,100	345,970	-5,00%	10	7,600	345,895	33	11,620	343,215	3,1	2,7
239+1,698			33	-12,075	342,676	10	-7,392	345,798	9	-5,892	345,873	-1,96%	7	-4,381	345,902	-1,96%	344,245	345,988	1,744	7	3,600	346,059	1,96%	9	6,100	345,934	-5,00%	10	7,600	345,859	33	11,569	343,213	3,1	2,6
239+10,040		PCV	33	-13,618	342,399	10	-8,716	345,667	9	-7,216	345,742	-1,28%	7	-5,686	345,762	-1,28%	344,065	345,834	1,770	7	3,600	345,880	1,28%	9	6,100	345,755	-5,00%	10	7,600	345,680	33	11,308	343,208	3,3	2,5
240+0,000			33	-16,549	341,969	10	-11,218	345,523	9	-9,718	345,598	-0,47%	7	-8,151	345,605	-0,47%	343,830	345,643	1,813	7	3,600	345,660	0,47%	9	6,100	345,535	-5,00%	10	7,600	345,460	33	11,002	343,191	3,6	2,3
240+5,698	ET		33	-18,690	341,704	10	-13,150	345,397	9	-11,650	345,472	-0,45%	7	-10,050	345,480	-0,45%	343,696	345,527	1,831	7	3,600	345,527	0,00%	9	6,100	345,402	-5,00%	10	7,600	345,327	33	11,025	343,043	3,7	2,3
240+11,924			33	-13,438	341,655	10	-	-	9	-	-	-	7	-13,438	344,875	-3,86%	343,558	345,394	1,836	7	3,600	345,375	-0,51%	9	6,100	345,250	-5,00%	10	7,600	345,175	33	11,032	342,888	-	2,3
241+0,000			33	-3,353	343,266	10	-	-	9	-3,353	345,226	0,40%	7	-1,400	345,218	0,40%	343,390	345,213	1,823	7	3,600	345,171	-1,17%	9	6,100	345,046	-5,00%	10	7,600	344,971	33	11,008	342,699	-	2,3
241+0,040			33	-3,244	345,225	10	-	-	9	-3,244	345,225	0,41%	7	-1,400	345,217	0,41%	343,389	345,212	1,823	7	3,600	345,170	-1,16%	9	6,100	345,045	-5,00%	10	7,600	344,970	33	11,007	342,698	-	2,3
241+0,349			33	-2,400	343,295	10	-	-	9	-2,400	345,233	0,46%	7	-1,400	345,221	0,46%	343,382	345,205	1,822	7	3,600	345,162	-1,20%	9	6,100	345,037	-5,00%	10	7,600	344,962	33	11,006	342,691	-	2,3
241+3,952			33	-7,233	342,859	10	-3,900	345,081	9	-2,400	345,156	1,49%	7	-1,400	345,141	1,49%	343,307	345,120	1,813	7	3,600	345,067	-1,49%	9	6,100	344,942	-5,00%	10	7,600	344,867	33	10,987	342,609	2,2	2,3
242+0,000			33	-7,110	342,574	10	-3,900	344,714	9	-2,400	344,789	2,80%	7	-1,400	344,761	2,80%	342,982	344,721	1,739	7	3,600	344,621	-2,80%	9	6,100	344,496	-5,00%	10	7,600	344,421	33	10,755	342,317	2,1	2,1
242+2,432			33	-7,090	342,528	10	-3,900	344,655	9	-2,400	344,730	3,00%	7	-1,400	344,700	3,00%	342,934	344,658	1,724	7	3,600	344,550	-3,00%	9	6,100	344,425	-5,00%	10	7,600	344,350	33	10,714	342,273	2,1	2,1
242+10,040			33	-6,988	342,390	10	-3,900	344,449	9	-2,400	344,524	3,00%	7	-1,400	344,494	3,00%	342,782	344,452	1,670	7	3,600	344,344	-3,00%	9	6,100	344,219	-5,00%	10	7,600	344,144	33	10,631	342,123	2,1	2,0
243+0,000			33	-6,826	342,223	10	-3,900	344,174	9	-2,400	344,249	3,00%	7	-1,400	344,219	3,00%	342,587	344,177	1,590	7	3,600	344,069	-3,00%	9	6,100	343,944	-5,00%	10	7,600	343,869	33	10,680	341,816	2,0	2,1
243+5,698			33	-6,734	342,127	10	-3,900	344,016	9	-2,400	344,091	3,00%	7	-1,400	344,061	3,00%	342,475	344,019	1,544	7	3,600	343,911	-3,00%	9	6,100	343,786	-5,00%	10	7,600	343,711	33	10,707	341,640	1,9	2,1
244+0,000			33	-6,467	341,910	10	-3,900	343,621	9	-2,400	343,696	3,00%	7	-1,400	343,666	3,00%	342,218	343,624	1,407	7	3,600	343,516	-3,00%	9	6,100	343,391	-5,00%	10	7,600	343,316	33	10,777	341,198	1,7	2,1
245+0,000			33	-6,094	341,607	10	-3,900	343,069	9	-2,400	343,144	3,00%	7	-1,400	343,114	3,00%	341,862	343,072	1,210	7	3,600	342,964	-3,00%	9	6,100	342,839	-5,00%	10	7,600	342,764	33	10,138	341,072	1,5	1,7
246+0,000			33	-5,689	341,324	10	-3,900	342,517	9	-2,400	342,592	3,00%	7	-1,400	342,562	3,00%	341,526	342,520	0,994	7	3,600	342,412	-3,00%	9	6,100	342,287	-5,00%	10	7,600	342,212	33	9,719	340,799	1,2	1,4
247+0,000			33	-5,337	341,007	10	-3,900	341,964	9	-2,400	342,039	3,00%	7	-1,400	342,009	3,00%	341,199	341,967	0,769	7	3,600	341,859	-3,00%	9	6,100	341,734	-5,00%	10	7,600	341,659	33	9,416	340,448	1,0	1,2
247+15,000		PCV	33	-5,117	340,739	10	-3,900	341,550	9	-2,400	341,625	3,00%	7	-1,400	341,595	3,00%	340,946	341,553	0,607	7	3,600	341,445	-3,00%	9	6,100	341,320	-5,00%	10	7,600	341,245	33	8,689	340,519	0,8	0,7
248+0,000			33	-5,065	340,637	10	-3,900	341,413	9	-2,400	341,488	3,00%	7	-1,400	341,458	3,00%	340,861	341,416	0,556	7	3,600	341,308	-3,00%	9	6,100	341,183	-5,00%	10	7,600	341,108	33	8,618	340,430	0,8	0,7
249+0,000			33	-4,828	340,278	10	-3,900	340,896	9	-2,400	340,971	3,00%	7	-1,400	340,941	3,00%	340,504	340,899	0,395	7	3,600	340,791	-3,00%	9	6,100	340,666	-5,00%	10	7,600	340,591	33	8,329	340,105	0,6	0,5
249+0,372			33	-2,400	340,382	10	-	-	9	-2,400	340,962	3,00%	7	-1,400	340,932	3,00%	340,497	340,890	0,393	7	3,600	340,782	-3,00%	9	6,100	340,657	-5,00%	10	7,600	340,582	33	8,330	340,096	0,6	0,5
249+15,000			33	-2,400	340,128	10	-	-	9	-2,400	340,615	3,00%	7	-1,400	340,585	3,00%	340,235	340,543	0,307	7	3,600	340,435	-3,00%	9	6,100	340,310	-5,00%	10	7,600	340,235	33	8,418	339,690	0,5	0,5
250+0,000			33	-2,400	340,056	10	-	-	9	-2,400	340,501	3,00%	7	-1,400	340,471	3,00%	340,148	340,429	0,281	7	3,600	340,321	-3,00%	9	6,100	340,196	-5,00%	10	7,600	340,121	33	8,458	339,549	0,4	0,6
250+3,399			33	-2,400	340,008	10	-	-	9	-2,400	340,391	1,53%	7	-1,400	340,376	1,53%	340,089	340,354	0,265	7	3,600	340,246	-3,00%	9	6,100	340,121	-5,00%	10	7,600	340,061	33	8,498	339,448	0,4	0,6
251+0,000			33	-	339,830	10	-	-	9	-	-	-	7	-	-	-	339,830	340,007	0,176	7	3,600	339,899	-3,00%	9	6,100	339,774	-5,00%	10	7,600	339,699	33	8,277	339,247	-	0,5
251+15,000		PTV	33	-	339,589	10	-	-	9	-	-	-	7	-	-	-	339,589	339,721	0,132	7	3,600	339,613	-3,00%	9	6,100	339,488	-5,00%	10	7,600	339,413	33	8,245	338,983	-	0,4
252+0,000			33	-	339,497	10	-	-	9	-	-	-	7	-	-	-	339,497	339,630	0,133	7	3,600	339,522	-3,00%	9	6,100	339,397	-5,00%	10	7,600	339,322	33	8,357	338,817	-	0,5
253+0,000			33	-	339,159	10	-	-	9	-	-	-	7	-	-	-	339,159	339,266	0,107	7	3,600	339,158	-3,00%	9	6,100	339,033	-5,00%	10	7,600	338,958	33	8,564	338,315	-	0,6
254+0,000			33	-	338,825	10	-	-	9	-	-	-	7	-	-	-	338,825	338,902	0,077	7	3,600	338,794	-3,00%	9	6,100	338,669	-5,00%	10	7,600	338,594	33	8,590	337,934	-	0,7
255+0,000			33	-	338,485	10	-	-	9	-	-	-	7	-	-	-	338,485	338,538	0,053	7	3,600	338,430	-3,00%	9	6,100	338,305	-5,00%	10	7,600	338,230	33	8,092	337,902	-	0,3
255+18,257	PF	PFV	33	-	338,140	10	-	-	9	-	-	-	7	-	-	-	338,140	338,206	0,066	7	3,600	338,098	-3,00%	9	6,100	337,973	-5,00%	10	7,600	337,898	33	8,163	337,522	-	0,4

4.1.2.3. Ramo 300

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 35+0,000 - Ramo 300

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA												ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Acostamento				Bordo da pista									Bordo da pista				Acostamento				Fundo canaleta			Talude				
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Projeto	Cota vermelha	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
300+0,000	PP	PPV	33	- 8,978	350,483	10	- 7,600	351,402	9	- 6,100	351,477	-5,00%	7	- 3,600	351,602	-3,00%	349,461	351,710	2,249	7	3,600	351,602	-3,00%	9	6,100	351,477	-5,00%	10	7,600	351,402	33	10,587	349,411	0,9	2,0
301+0,000		PCV	33	- 7,757	351,502	10	- 7,600	351,607	9	- 6,100	351,682	-5,00%	7	- 3,600	351,807	-3,00%	350,123	351,915	1,792	7	3,600	351,807	-3,00%	9	6,100	351,682	-5,00%	10	7,600	351,607	33	10,355	349,771	0,1	1,8
302+0,000			33	- 7,680	351,793	10	- 7,600	351,847	9	- 6,100	351,922	-5,00%	7	- 3,600	352,047	-3,00%	350,987	352,155	1,167	7	3,600	352,047	-3,00%	9	6,100	351,922	-5,00%	10	7,600	351,847	33	10,158	350,142	0,1	1,7
302+10,000			33	- 7,668	351,948	10	- 7,600	351,993	9	- 6,100	352,068	-5,00%	7	- 3,600	352,193	-3,00%	351,942	352,301	0,358	7	3,600	352,193	-3,00%	9	6,100	352,068	-5,00%	10	7,600	351,993	33	10,099	350,326	0,0	1,7
303+0,000			33	- 7,721	352,075	10	- 7,600	352,156	9	- 6,100	352,231	-5,00%	7	- 3,600	352,356	-3,00%	352,432	352,464	0,032	7	3,600	352,356	-3,00%	9	6,100	352,231	-5,00%	10	7,600	352,156	33	9,746	350,725	0,1	1,4
304+0,000		PTV	33	- 7,752	352,433	10	- 7,600	352,535	9	- 6,100	352,610	-5,00%	7	- 3,600	352,735	-3,00%	352,848	352,843	-0,005	7	3,600	352,735	-3,00%	9	6,100	352,610	-5,00%	10	7,600	352,535	33	9,165	351,491	0,1	1,0
305+0,000			33	- 7,820	352,801	10	- 7,600	352,948	9	- 6,100	353,023	-5,00%	7	- 3,600	353,148	-3,00%	353,249	353,256	0,007	7	3,600	353,148	-3,00%	9	6,100	353,023	-5,00%	10	7,600	352,648	33	8,071	352,334	0,1	0,3
306+0,000			33	- 7,916	353,150	10	- 7,600	353,361	9	- 6,100	353,436	-5,00%	7	- 3,600	353,561	-3,00%	353,669	353,669	0,000	7	3,600	353,561	-3,00%	9	6,100	353,436	-5,00%	10	7,600	353,061	33	7,763	353,224	0,2	-0,2
306+10,000		PIV	33	- 7,999	353,302	10	- 7,600	353,568	9	- 6,100	353,643	-5,00%	7	- 3,600	353,768	-3,00%	353,881	353,876	-0,006	7	3,600	353,768	-3,00%	9	6,100	353,643	-5,00%	10	7,600	353,268	33	7,865	353,533	0,3	-0,3
307+0,000			33	- 7,957	353,562	10	- 7,600	353,800	9	- 6,100	353,875	-5,00%	7	- 3,600	354,000	-3,00%	354,095	354,108	0,013	7	3,600	354,000	-3,00%	9	6,100	353,875	-5,00%	10	7,600	353,500	33	7,882	353,783	0,2	-0,3
308+0,000			33	- 8,852	353,431	10	- 7,600	354,265	9	- 6,100	354,340	-5,00%	7	- 3,600	354,465	-3,00%	354,548	354,573	0,025	7	3,600	354,465	-3,00%	9	6,100	354,340	-5,00%	10	7,600	353,965	33	7,992	354,358	0,8	-0,4
309+0,000			33	- 8,641	354,036	10	- 7,600	354,730	9	- 6,100	354,805	-5,00%	7	- 3,600	354,930	-3,00%	355,026	355,038	0,012	7	3,600	354,930	-3,00%	9	6,100	354,805	-5,00%	10	7,600	354,430	33	7,941	354,771	0,7	-0,3
310+0,000			33	- 8,705	354,458	10	- 7,600	355,195	9	- 6,100	355,270	-5,00%	7	- 3,600	355,395	-3,00%	355,505	355,503	-0,002	7	3,600	355,395	-3,00%	9	6,100	355,270	-5,00%	10	7,600	354,895	33	7,842	355,138	0,7	-0,2
311+0,000			33	- 7,616	355,350	10	- 7,600	355,360	9	- 6,100	355,735	-5,00%	7	- 3,600	355,860	-3,00%	356,019	355,968	-0,050	7	3,600	355,860	-3,00%	9	6,100	355,735	-5,00%	10	7,600	355,360	33	7,738	355,498	0,0	-0,1
312+0,000			33	- 8,963	355,216	10	- 7,600	356,125	9	- 6,100	356,200	-5,00%	7	- 3,600	356,325	-3,00%	356,454	356,433	-0,021	7	3,600	356,325	-3,00%	9	6,100	356,200	-5,00%	10	7,600	355,825	33	7,880	356,105	0,9	-0,3
313+0,000			33	- 9,261	355,482	10	- 7,600	356,590	9	- 6,100	356,665	-5,00%	7	- 3,600	356,790	-3,00%	356,900	356,898	-0,002	7	3,600	356,790	-3,00%	9	6,100	356,665	-5,00%	10	7,600	356,290	33	7,778	356,468	1,1	-0,2
313+2,130	PF	PFV	33	- 8,077	356,322	10	- 7,600	356,640	9	- 6,100	356,715	-5,00%	7	- 3,600	356,840	-3,00%	356,948	356,948	0,000	7	3,600	356,840	-3,00%	9	6,100	356,715	-5,00%	10	7,600	356,340	33	7,768	356,508	0,3	-0,2

4.1.2.4. Ramo 400

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 35+0,000 - Ramo 400

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																		COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA										ALTURAS DOS TALUDES	
			Talude			Encontro de Taludes			Fundo canaleta			Faixa de Segurança				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Acostamento				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
402+4,555			33	-10,500	350,155	15	-	-	10	-	-	9	-10,500	352,046	4,00%	7	-9,000	351,986	4,00%	350,305	351,626	1,321	9	2,500	351,526	-4,00%	10	4,000	351,451	33	5,620	350,370	-	1,1
402+8,008			33	-13,276	349,990	15	-13,276	351,031	10	-12,000	351,882	9	-10,500	351,957	4,00%	7	-9,000	351,897	4,00%	350,205	351,537	1,332	9	2,500	351,437	-4,00%	10	4,000	351,362	33	5,599	350,296	1,9	1,1
403+0,000			33	-14,949	349,672	15	-	-	10	-12,000	351,638	9	-10,500	351,713	4,00%	7	-9,000	351,653	4,00%	349,971	351,293	1,322	9	2,500	351,193	-4,00%	10	4,000	351,118	33	5,563	350,076	2,0	1,0
403+5,000			33	-14,985	349,575	15	-	-	10	-12,000	351,565	9	-10,500	351,640	4,00%	7	-9,000	351,580	4,00%	349,899	351,220	1,321	9	2,500	351,120	-4,00%	10	4,000	351,045	33	5,549	350,012	2,0	1,0
403+7,371			33	-15,003	349,534	15	-	-	10	-12,000	351,536	9	-10,500	351,611	4,00%	7	-9,000	351,551	4,00%	350,891	351,191	0,300	9	2,500	351,091	-4,00%	10	4,000	351,016	33	5,450	349,986	2,0	1,0
403+19,147			33	-13,110	349,323	15	-13,110	350,700	10	-12,000	351,449	9	-10,500	351,524	4,00%	7	-9,000	351,464	4,00%	349,733	351,104	1,371	9	2,500	351,004	-4,00%	10	4,000	350,929	33	5,561	349,888	2,1	1,0
404+0,000			33	-12,690	349,317	15	-12,690	350,986	10	-12,000	351,446	9	-10,500	351,521	4,00%	7	-9,000	351,461	4,00%	349,718	351,101	1,383	9	2,500	351,001	-4,00%	10	4,000	350,926	33	5,565	349,883	2,1	1,0
404+2,283			33	-10,500	349,339	15	-	-	10	-	-	9	-10,500	351,516	4,00%	7	-9,000	351,456	4,00%	349,681	351,096	1,415	9	2,500	350,996	-4,00%	10	4,000	350,921	33	5,585	349,864	2,2	1,1
404+9,305			33	-9,000	349,349	15	-	-	10	-	-	9	-	-	-	7	-9,000	351,456	3,92%	349,659	351,103	1,444	9	2,500	351,021	-3,28%	10	4,000	350,946	33	5,548	349,847	-	1,1
404+12,283			33	-7,599	349,344	15	-	-	10	-	-	9	-	-	-	7	-7,599	351,467	4,61%	349,660	351,117	1,456	9	2,500	351,042	-3,00%	10	4,000	350,967	33	5,677	349,849	-	1,1
404+14,743	CE		33	-6,640	349,264	15	-	-	10	-	-	9	-	-	-	7	-6,640	351,477	5,20%	349,665	351,132	1,467	9	2,500	351,057	-3,00%	10	4,000	350,982	33	5,693	349,854	-	1,1
405+0,000			33	-5,122	349,032	15	-	-	10	-	-	9	-	-	-	7	-5,122	351,495	6,18%	349,645	351,179	1,534	9	2,501	351,104	-3,00%	10	4,001	351,029	33	5,730	349,876	-	1,2
405+5,000		PTV	33	-4,227	349,017	15	-	-	10	-	-	9	-	-	-	7	-4,227	351,512	6,43%	349,305	351,240	1,935	9	2,499	351,165	-3,00%	10	3,999	351,090	33	5,768	349,911	-	1,2
406+0,000		PIV	33	-3,600	349,151	15	-	-	10	-	-	9	-	-	-	7	-3,600	351,558	3,00%	349,186	351,450	2,264	9	2,500	351,375	-3,00%	10	4,000	351,300	33	6,577	349,582	-	1,7
406+14,743	ET	PFV	33	-3,600	349,461	15	-	-	10	-	-	9	-	-	-	7	-3,600	351,710	3,00%	349,402	351,602	2,200	9	2,500	351,527	-3,00%	10	4,000	351,452	33	7,061	349,411	-	2,0

4.1.2.5. Ramo 500

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 35+0,000 - Ramo 500

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																	COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA										ALTURAS DOS TALUDES	
			Talude			Encontro de Taludes			Fundo canaleta			Faixa de Segurança				Bordo da pista / Faixa de Segurança				Terreno Natural	Projeto	Cota vermelha	Acostamento				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
500+0,000	PP	PPV	33	-3,600	349,461	15	-	-	10	-	-	9	-	-	-	7	-3,600	351,710	3,00%	349,610	351,602	1,992	9	2,500	351,527	-3,00%	10	4,000	351,452	33	5,424	350,502	-	0,9
500+15,000		PIV	33	-3,876	349,150	15	-	-	10	-	-	9	-	-	-	7	-3,876	351,564	3,00%	349,165	351,447	2,282	9	2,500	351,372	-3,00%	10	4,000	351,297	33	6,691	349,504	-	1,8
501+0,000			33	-4,252	349,099	15	-	-	10	-	-	9	-	-	-	7	-4,252	351,545	3,00%	349,060	351,417	2,357	9	2,500	351,342	-3,00%	10	4,000	351,267	33	6,887	349,343	-	1,9
502+0,000			33	-6,170	349,175	15	-	-	10	-	-	9	-	-	-	7	-6,170	351,483	3,00%	348,895	351,297	2,403	9	2,500	351,222	-3,00%	10	4,000	351,147	33	7,832	348,593	-	2,6
502+5,949	TE		33	-6,740	349,345	15	-	-	10	-	-	9	-	-	-	7	-6,740	351,464	3,00%	348,846	351,262	2,416	9	2,500	351,187	-3,00%	10	4,000	351,112	33	7,831	348,558	-	2,6
502+8,624			33	-6,999	349,350	15	-	-	10	-	-	9	-	-	-	7	-6,999	351,456	3,00%	348,824	351,246	2,422	9	2,500	351,171	-3,00%	10	4,000	350,813	33	7,831	348,542	-	2,3
502+10,000		PCV	33	-7,407	349,351	15	-	-	10	-	-	9	-	-	-	7	-7,407	351,460	3,00%	348,812	351,237	2,425	9	2,502	351,162	-3,00%	10	4,002	351,087	33	7,832	348,534	-	2,6
502+16,929			33	-5,000	349,169	15	-	-	10	-	-	9	-	-	-	7	-5,000	351,330	3,00%	348,887	351,180	2,293	9	2,501	351,105	-3,00%	10	4,000	351,030	33	7,807	348,493	-	2,5
503+0,000			33	-10,622	349,319	15	-10,622	-10,622	10	-10,000	351,324	9	-8,500	351,399	3,00%	7	-7,000	351,354	3,00%	348,869	351,144	2,275	9	2,500	351,069	-3,00%	10	4,000	350,994	33	7,729	348,508	2,0	2,5
503+0,679			33	-10,892	349,323	15	-10,892	-10,892	10	-10,000	351,315	9	-8,500	351,390	3,00%	7	-7,000	351,345	3,00%	348,864	351,135	2,271	9	2,500	351,060	-3,00%	10	4,000	350,985	33	7,695	348,522	2,0	2,5
503+10,000			33	-12,817	349,286	15	-	-	10	-10,000	351,164	9	-8,500	351,239	3,00%	7	-7,000	351,194	3,00%	348,772	350,984	2,212	9	2,500	350,909	-3,00%	10	4,000	350,834	33	7,419	348,555	1,9	2,3
503+15,949			33	-12,756	349,200	15	-	-	10	-10,000	351,038	9	-8,500	351,113	3,00%	7	-7,000	351,068	3,00%	348,736	350,858	2,122	9	2,500	350,783	-3,00%	10	4,000	350,708	33	7,501	348,373	1,8	2,3
504+0,000			33	-12,757	349,134	15	-	-	10	-10,000	350,972	9	-8,500	351,047	3,41%	7	-7,000	350,996	3,41%	348,672	350,758	2,085	9	2,500	350,673	-3,41%	10	4,000	350,598	33	7,490	348,271	1,8	2,3
504+5,949	EC		33	-12,751	349,022	15	-	-	10	-10,000	350,856	9	-8,500	350,931	4,00%	7	-7,000	350,871	4,00%	348,568	350,591	2,023	9	2,500	350,491	-4,00%	10	4,000	350,416	33	7,413	348,141	1,8	2,3
504+10,000		PCRV	33	-12,638	348,971	15	-	-	10	-10,000	350,730	9	-8,500	350,805	4,00%	7	-7,000	350,745	4,00%	348,488	350,465	1,977	9	2,500	350,365	-4,00%	10	4,000	350,290	33	7,339	348,063	1,8	2,2
505+0,000			33	-11,662	348,764	15	-11,662	-11,662	10	-10,000	350,422	9	-8,500	350,497	4,00%	7	-7,000	350,437	4,00%	348,262	350,157	1,895	9	2,500	350,057	-4,00%	10	4,000	349,982	33	7,201	347,848	1,7	2,1
505+0,290			33	-11,565	349,370	15	-11,565	-11,565	10	-10,000	350,414	9	-8,500	350,489	4,00%	7	-7,000	350,429	4,00%	348,255	350,149	1,894	9	2,500	350,049	-4,00%	10	4,000	349,974	33	7,224	347,841	1,0	2,1
505+3,200			33	-10,638	348,651	15	-10,638	-10,638	10	-10,000	350,332	9	-8,500	350,407	4,00%	7	-7,000	350,347	4,00%	348,181	350,067	1,886	9	2,500	349,967	-4,00%	10	4,000	349,892	33	7,152	347,791	1,7	2,1
505+5,000			33	-8,500	348,514	15	-	-	10	-	-	9	-8,500	350,358	4,00%	7	-7,000	350,298	4,00%	348,134	350,018	1,884	9	2,500	349,918	-4,00%	10	4,000	349,843	33	7,121	347,762	-	2,1
505+8,554			33	-8,500	348,428	15	-	-	10	-	-	9	-8,500	350,265	4,04%	7	-7,000	350,204	4,00%	348,052	349,924	1,872	9	2,500	349,824	-4,00%	10	4,000	349,749	33	7,061	347,709	-	2,0

4.1.2.6. Ramo 600

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 35+0,000 - Ramo 600

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA										COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA														ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança							Bordo da pista				Faixa de Segurança				Fundo canaleta			Talude				
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	Terreno Natural	Projeto	Cota vermelha	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
602+5,265			33	-7,659	341,649	10	-3,000	344,755	7	-1,500	344,830	-3,00%	341,655	344,875	3,220	7	11,000	345,204	3,00%	9	12,000	345,213	3,00%	10	-	-	33	12,000	343,258	3,1	-
602+7,257			33	-7,663	341,631	10	-3,000	344,740	7	-1,500	344,815	-2,92%	341,473	344,858	3,385	7	11,000	345,179	2,92%	9	12,000	345,208	2,92%	10	13,500	345,133	33	16,480	343,146	3,1	2,0
602+12,975			33	-7,636	341,633	10	-3,000	344,723	7	-1,500	344,798	-2,68%	341,372	344,838	3,466	7	11,000	345,133	2,68%	9	12,000	345,160	2,68%	10	13,500	345,085	33	18,238	341,926	3,1	3,2
602+15,000			33	-7,613	341,652	10	-3,000	344,727	7	-1,500	344,802	-2,60%	341,434	344,841	3,407	7	11,000	345,153	2,60%	9	12,000	345,153	2,60%	10	13,500	345,078	33	19,146	341,313	3,1	3,8
602+17,643			33	-7,521	341,726	10	-3,000	344,739	7	-1,500	344,814	-2,49%	341,430	344,852	3,422	7	11,000	345,125	2,49%	9	12,000	345,150	2,49%	10	13,500	345,075	33	19,408	341,136	3,0	3,9
603+0,000			33	-7,352	341,856	10	-3,000	344,758	7	-1,500	344,833	-2,39%	341,710	344,868	3,159	7	11,000	345,131	2,39%	9	12,000	345,155	2,39%	10	13,500	345,080	33	19,013	341,405	2,9	3,7
603+7,451			33	-6,819	342,313	10	-3,000	344,859	7	-1,500	344,934	-2,08%	341,841	344,966	3,125	7	11,000	345,195	2,08%	9	12,000	345,216	2,08%	10	13,500	345,141	33	16,488	343,149	2,5	2,0
603+9,481			33	-5,789	343,040	10	-3,000	344,899	7	-1,500	344,974	-2,00%	343,137	345,004	1,867	7	11,000	345,224	2,00%	9	12,000	345,244	2,00%	10	-	-	33	12,000	343,312	1,9	-

4.1.2.7. Ramo 700

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 35+0,000 - Ramo 700

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA										COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA														ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança							Bordo da pista				Faixa de Segurança				Fundo canaleta			Talude				
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	Terreno Natural	Projeto	Cota vermelha	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
701+19,238			33	-4,025	356,717	10	-3,000	357,400	7	-1,500	357,475	-3,00%	356,826	357,520	0,694	7	11,000	357,850	3,00%	9	12,000	357,880	3,00%	10	-	-	33	12,000	356,905	0,7	-
702+0,000			33	-4,026	356,725	10	-3,000	357,409	7	-1,500	357,484	-3,02%	356,838	357,529	0,692	7	11,000	357,861	3,02%	9	12,000	357,891	3,02%	10	13,500	357,816	33	14,804	356,947	0,7	0,9
702+1,031			33	-4,027	356,736	10	-3,000	357,421	7	-1,500	357,496	-3,04%	356,866	357,542	0,676	7	11,000	357,876	3,04%	9	12,000	357,906	3,04%	10	13,500	357,831	33	14,713	357,023	0,7	0,8
702+10,853			33	-4,085	356,765	10	-3,000	357,489	7	-1,500	357,564	-3,25%	356,862	357,613	0,751	7	11,000	357,970	3,25%	9	12,000	358,002	3,25%	10	13,500	357,927	33	14,552	357,226	0,7	0,7
702+15,000			33	-4,134	356,737	10	-3,000	357,493	7	-1,500	357,568	-3,34%	356,857	357,618	0,761	7	11,000	357,985	3,34%	9	12,000	358,018	3,34%	10	13,500	357,943	33	14,638	357,184	0,8	0,8
703+0,000			33	-4,208	356,673	10	-3,000	357,478	7	-1,500	357,553	-3,44%	356,775	357,605	0,830	7	11,000	357,984	3,44%	9	12,000	358,018	3,44%	10	13,500	357,943	33	14,749	357,110	0,8	0,8
703+0,616			33	-4,218	356,663	10	-3,000	357,475	7	-1,500	357,550	-3,46%	356,704	357,602	0,898	7	11,000	357,982	3,46%	9	12,000	358,017	3,46%	10	13,500	357,942	33	14,767	357,097	0,8	0,8
703+2,708			33	-4,251	356,627	10	-3,000	357,461	7	-1,500	357,536	-3,50%	356,715	357,590	0,875	7	11,000	357,974	3,50%	9	12,000	358,009	3,50%	10	-	-	33	12,000	356,981	0,8	-

4.1.3.Interseção Est.515+0,000

4.1.3.1. Ramo 100

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 515+0,000 - Ramo 100

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																				COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA															ALTURAS DOS TALUDES	
			Talude			Fim da Berma			Inicio da Berma / Encontro de Talude			Fundo canaleta			Acostamento				Bordo da pista							Acostamento				Fundo canaleta			Inicio da Berma / Encontro de Talude			Fim da Berma			Talude				
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Projeto	Cota vermelha	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
102+8,139			33	-7,500	360,121	16	-	-	15	-	-	10	-	-	9	-7,500	371,227	4,00%	7	-6,500	371,187	4,00%	359,909	370,927	11,017	9	2,500	370,802	-5,00%	10	4,000	370,727	15	14,500	363,727	16	18,500	364,127	33	25,703	359,324	-	11,4
102+10,000	EC		33	-7,500	360,098	16	-	-	15	-	-	10	-	-	9	-7,500	371,182	4,26%	7	-6,500	371,140	4,26%	359,889	370,863	10,974	9	2,500	370,738	-5,00%	10	4,000	370,663	15	14,500	363,663	16	18,500	364,063	33	25,639	359,304	-	11,4
102+13,002			33	-10,314	360,137	16	-	-	15	-10,314	370,156	10	-9,000	371,031	9	-7,500	371,118	4,69%	7	-6,500	371,060	4,69%	359,853	370,755	10,902	9	2,500	370,630	-5,00%	10	4,000	370,555	15	14,500	363,555	16	18,500	363,955	33	25,528	359,269	10,9	11,3
103+0,000			33	-13,022	359,975	16	-	-	15	-13,022	368,150	10	-9,000	370,831	9	-7,500	370,906	5,69%	7	-6,500	370,849	5,69%	359,863	370,480	10,617	9	2,500	370,337	-5,69%	10	4,000	370,262	15	14,500	363,262	16	18,500	363,662	33	25,218	359,184	10,9	11,1
103+2,209			33	-14,036	359,917	16	-	-	15	-14,036	367,404	10	-9,000	370,761	9	-7,500	370,836	6,00%	7	-6,500	370,776	6,00%	359,809	370,386	10,577	9	2,500	370,236	-6,00%	10	4,000	370,161	15	14,500	363,161	16	18,500	363,561	33	25,109	359,155	10,8	11,0
103+5,000		PTV	33	-15,411	359,841	16	-	-	15	-15,411	366,364	10	-9,000	370,638	9	-7,500	370,713	6,00%	7	-6,500	370,653	6,00%	359,741	370,263	10,522	9	2,500	370,113	-6,00%	10	4,000	370,038	15	14,500	363,038	16	18,500	363,438	33	24,981	359,117	10,8	10,9
104+0,000			33	-21,000	359,403	16	-21,000	363,114	15	-19,500	362,964	10	-9,000	369,964	9	-7,500	370,039	6,00%	7	-6,500	369,979	6,00%	359,313	369,589	10,276	9	2,500	369,439	-6,00%	10	4,000	369,364	15	14,500	362,364	16	18,500	362,764	33	24,080	359,043	10,6	10,3
105+0,000			33	-29,692	358,337	16	-23,500	362,464	15	-19,500	362,064	10	-9,000	369,064	9	-7,500	369,139	6,00%	7	-6,500	369,079	6,00%	359,196	368,689	9,494	9	2,500	368,539	-6,00%	10	4,000	368,464	15	14,500	361,464	16	18,500	361,864	33	22,890	358,938	10,7	9,5
106+0,000			33	-21,000	357,450	16	-21,000	361,315	15	-19,500	361,165	10	-9,000	368,165	9	-7,500	368,240	6,00%	7	-6,500	368,180	6,00%	357,717	367,790	10,073	9	2,500	367,640	-6,00%	10	4,000	367,565	15	14,500	360,565	16	18,500	360,965	33	22,447	358,334	6,9	9,2
107+0,000			33	-13,651	357,174	16	-	-	15	-13,651	364,165	10	-9,000	367,266	9	-7,500	367,341	6,00%	7	-6,500	367,281	6,00%	357,424	366,891	9,467	9	2,500	366,741	-6,00%	10	4,000	366,666	15	14,500	359,666	16	18,500	360,066	33	21,546	358,035	6,9	8,6
108+0,000			33	-10,805	357,110	16	-	-	15	-10,805	365,163	10	-9,000	366,366	9	-7,500	366,441	6,00%	7	-6,500	366,381	6,00%	357,318	365,991	8,673	9	2,500	365,841	-6,00%	10	4,000	365,766	15	14,500	358,766	16	18,500	359,166	33	20,510	357,827	6,9	7,9
108+4,268			33	-10,793	357,095	16	-	-	15	-10,793	364,979	10	-9,000	366,174	9	-7,500	366,249	6,00%	7	-6,500	366,189	6,00%	365,499	365,799	0,300	9	2,500	365,649	-6,00%	10	4,000	365,574	15	14,500	358,574	16	18,500	358,974	33	20,267	357,796	6,9	7,8
109+0,000			33	-12,543	357,224	16	-	-	15	-12,543	363,105	10	-9,000	365,467	9	-7,500	365,542	6,00%	7	-6,500	365,482	6,00%	357,355	365,092	7,737	9	2,500	364,942	-6,00%	10	4,000	364,867	15	14,500	357,867	16	18,500	358,267	33	19,301	357,733	6,9	7,1
110+0,000			33	-19,429	357,615	16	-	-	15	-	-	10	-9,000	364,568	9	-7,500	364,643	6,00%	7	-6,500	364,583	6,00%	357,734	364,193	6,459	9	2,500	364,043	-6,00%	10	4,000	363,968	15	-	-	16	-	-	33	12,866	358,057	6,9	5,9
110+15,000		PCV	33	-17,778	358,041	16	-	-	15	-	-	10	-9,000	363,893	9	-7,500	363,968	6,00%	7	-6,500	363,908	6,00%	358,129	363,518	5,390	9	2,500	363,368	-6,00%	10	4,000	363,293	15	-	-	16	-	-	33	11,349	358,394	5,8	4,9
111+0,000			33	-17,037	358,319	16	-	-	15	-	-	10	-9,000	363,677	9	-7,500	363,752	6,00%	7	-6,500	363,692	6,00%	358,238	363,302	5,064	9	2,500	363,152	-6,00%	10	4,000	363,077	15	-	-	16	-	-	33	10,955	358,440	5,4	4,6
112+0,000			33	-14,859	359,066	16	-	-	15	-	-	10	-9,000	362,973	9	-7,500	363,048	6,00%	7	-6,500	362,988	6,00%	358,851	362,598	3,746	9	2,500	362,448	-6,00%	10	4,000	362,373	15	-	-	16	-	-	33	9,623	358,624	3,9	3,7
113+0,000			33	-13,477	359,544	16	-	-	15	-	-	10	-9,000	362,529	9	-7,500	362,604	6,00%	7	-6,500	362,544	6,00%	359,354	362,154	2,799	9	2,500	362,004	-6,00%	10	4,000	361,929	15	-	-	16	-	-	33	8,183	359,140	3,0	2,8
113+4,466			33	-13,151	359,698	16	-	-	15	-	-	10	-9,000	362,465	9	-7,500	362,540	6,00%	7	-6,500	362,480	6,00%	359,428	362,090	2,662	9	2,500	361,940	-6,00%	10	4,000	361,865	15	-	-	16	-	-	33	7,863	359,290	2,8	2,6
113+14,959			33	-10,157	360,298	16	-	-	15	-10,157	361,477	10	-9,000	362,255	9	-7,500	362,342	4,51%	7	-6,500	362,285	4,51%	359,602	361,992	2,390	9	2,500	361,867	-5,00%	10	4,000	361,792	15	-	-	16	-	-	33	7,287	359,601	2,0	2,2
113+18,536	CE		33	-7,500	360,303	16	-	-	15	-	-	10	-	-	9	-7,500	362,275	4,00%	7	-6,500	362,235	4,00%	359,718	361,975	2,257	9	2,500	361,850	-5,00%	10	4,000	361,775	15	-	-	16	-	-	33	7,211	359,634	-	2,1
114+0,000			33	-7,500	360,397	16	-	-	15	-	-	10	-	-	9	-7,500	362,264	3,92%	7	-6,500	362,225	3,92%	359,773	361,970	2,197	9	2,500	361,845	-5,00%	10	4,000	361,770	15	-	-	16	-	-	33	7,183	359,648	-	2,1
114+2,126			33	-7,500	360,668	16	-	-	15	-	-	10	-	-	9	-7,500	362,251	3,80%	7	-6,500	362,213	3,80%	359,850	361,966	2,116	9	2,500	361,841	-5,00%	10	4,000	361,766	15	-	-	16	-	-	33	7,145	359,669	-	2,1

4.1.3.2. Ramo 200

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 515+0,000 - Ramo 200

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																		COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA															ALTURAS DOS TALUDES	
			Talude			Inicio da Berma / Encontro de Talude			Fundo canaleta			Faixa de Segurança				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Acostamento				Fundo canaleta			Inicio da Berma / Encontro de Talude			Fim da Berma			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota		
202+5,652			33	-7,500	364,987	15	-	-	10	-	-	9	-7,500	364,634	4,00%	7	-6,500	364,594	4,00%	364,571	364,334	-0,237	9	2,500	364,209	-5,00%	10	4,000	363,834	15	-	-	16	-	-	33	4,654	364,488	-	-0,7
202+10,000	EC		33	-9,869	365,208	15	-	-	10	-9,000	364,339	9	-7,500	364,714	4,00%	7	-6,500	364,674	4,00%	364,620	364,414	-0,206	9	2,500	364,289	-5,00%	10	4,000	363,914	15	-	-	16	-	-	33	4,700	364,614	-0,9	-0,7
202+10,758			33	-9,901	365,262	15	-	-	10	-9,000	364,361	9	-7,500	364,736	4,10%	7	-6,500	364,695	4,10%	364,647	364,428	-0,219	9	2,500	364,303	-5,00%	10	4,000	363,927	15	-	-	16	-	-	33	4,697	364,625	-0,9	-0,7
203+0,000			33	-9,540	365,168	15	-	-	10	-9,000	364,629	9	-7,500	365,004	5,42%	7	-6,500	364,949	5,42%	364,945	364,597	-0,348	9	2,500	364,461	-5,42%	10	4,000	364,086	15	-	-	16	-	-	33	4,622	364,709	-0,5	-0,6
203+4,070			33	-9,538	365,285	15	-	-	10	-9,000	364,746	9	-7,500	365,121	6,00%	7	-6,500	365,061	6,00%	364,945	364,671	-0,273	9	2,500	364,521	-6,00%	10	4,000	364,146	15	-	-	16	-	-	33	4,567	364,714	-0,5	-0,6
204+0,000			33	-9,257	365,166	15	-	-	10	-9,000	365,338	9	-7,500	365,413	6,00%	7	-6,500	365,353	6,00%	364,779	364,963	0,184	9	2,500	364,813	-6,00%	10	4,000	364,738	15	-	-	16	-	-	33	4,238	364,579	0,2	0,2
205+0,000			33	-10,949	364,405	15	-	-	10	-9,000	365,704	9	-7,500	365,779	6,00%	7	-6,500	365,719	6,00%	364,022	365,329	1,307	9	2,500	365,179	-6,00%	10	4,000	364,104	15	-	-	16	-	-	33	5,823	363,889	1,3	1,2
205+15,000		PCV	33	-11,703	364,177	15	-	-	10	-9,000	365,979	9	-7,500	366,054	6,00%	7	-6,500	365,994	6,00%	363,925	365,604	1,678	9	2,500	365,454	-6,00%	10	4,000	365,379	15	-	-	16	-	-	33	6,386	363,788	1,8	1,6
206+0,000			33	-12,159	363,970	15	-	-	10	-9,000	366,075	9	-7,500	366,150	6,00%	7	-6,500	366,090	6,00%	363,751	365,700	1,950	9	2,500	365,550	-6,00%	10	4,000	365,475	15	-	-	16	-	-	33	6,789	363,616	2,1	1,9
206+12,013			33	-12,423	363,491	15	-12,423	364,070	10	-9,000	366,353	9	-7,500	366,440	6,00%	7	-6,500	366,368	6,00%	363,261	365,978	2,717	9	2,500	365,828	-6,00%	10	4,000	365,753	15	-	-	16	-	-	33	7,909	363,147	2,9	2,6
207+0,000			33	-13,779	363,185	15	-13,779	363,386	10	-9,000	366,571	9	-7,500	366,646	6,00%	7	-6,500	366,586	6,00%	362,991	366,196	3,205	9	2,500	366,046	-6,00%	10	4,000	365,971	15	-	-	16	-	-	33	8,620	362,892	3,4	3,1
207+5,000			33	-14,715	362,913	15	-	-	10	-9,000	366,723	9	-7,500	366,798	6,00%	7	-6,500	366,738	6,00%	362,813	366,348	3,535	9	2,500	366,198	-6,00%	10	4,000	366,123	15	-	-	16	-	-	33	9,072	362,741	3,8	3,4
208+0,000			33	-16,664	362,132	15	-	-	10	-9,000	367,241	9	-7,500	367,316	6,00%	7	-6,500	367,256	6,00%	362,237	366,866	4,629	9	2,500	366,716	-6,00%	10	4,000	366,641	15	-	-	16	-	-	33	10,543	362,279	5,1	4,4
208+15,000		PTV	33	-18,762	361,348	15	-	-	10	-9,000	367,857	9	-7,500	367,932	6,00%	7	-6,500	367,872	6,00%	361,640	367,482	5,842	9	2,500	367,332	-6,00%	10	4,000	367,257	15	-	-	16	-	-	33	12,015	361,913	6,5	5,3
209+0,000			33	-19,526	361,061	15	-	-	10	-9,000	368,078	9	-7,500	368,153	6,00%	7	-6,500	368,093	6,00%	361,413	367,703	6,290	9	2,500	367,553	-6,00%	10	4,000	367,478	15	-	-	16	-	-	33	12,473	361,830	7,0	5,6
209+19,956			33	-15,498	360,627	15	-15,498	364,631	10	-9,000	368,963	9	-7,500	369,038	6,00%	7	-6,500	368,978	6,00%	360,961	368,588	7,627	9	2,500	368,438	-6,00%	10	4,000	368,363	15	-	-	16	-	-	33	14,158	361,590	8,3	6,8
210+0,000			33	-15,473	360,626	15	-15,473	364,648	10	-9,000	368,964	9	-7,500	369,039	5,99%	7	-6,500	368,979	5,99%	360,961	368,589	7,629	9	2,500	368,439	-5,99%	10	4,000	368,364	15	-	-	16	-	-	33	14,162	361,590	8,3	6,8
210+12,657			33	-10,000	360,477	15	-9,990	368,730	10	-9,000	369,396	9	-7,500	369,465	4,20%	7	-6,500	369,423	4,20%	361,005	369,150	8,145	9	2,500	369,025	-5,00%	10	4,000	368,950	15	14,500	361,950	16	18,500	362,350	33	19,211	361,876	-	7,1
210+14,025	CE		33	-9,551	360,424	15	-9,551	369,069	10	-9,000	369,436	9	-7,500	369,511	4,00%	7	-6,500	369,471	4,00%	360,973	369,211	8,238	9	2,500	369,086	-5,00%	10	4,000	369,011	15	14,500	362,011	16	18,500	362,411	33	19,258	361,906	-	7,1
210+19,909			33	-7,500	360,311	15	-	-	10	-	-	9	-7,500	369,772	4,00%	7	-6,500	369,732	4,00%	360,748	369,472	8,723	9	2,500	369,347	-5,00%	10	4,000	369,272	15	14,500	362,272	16	18,500	362,672	33	19,435	362,048	-	7,2

4.1.3.3. Ramo 300

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 515+0,000 - Ramo 300

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																		COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA															ALTURAS DOS TALUDES	
			Talude			Inicio da Berma / Encontro de Talude			Fundo canaleta			Faixa de Segurança				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Acostamento				Fundo canaleta / Barreira			Inicio da Berma / Encontro de Talude			Fim da Berma			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota		
302+10,579			33	-7,500	363,053	15	-	-	10	-	-	9	-7,500	371,498	4,01%	7	-6,500	371,458	4,01%	363,292	371,197	7,905	9	2,500	371,072	-5,00%	10	4,000	370,997	15	10,000	366,997	16	14,000	367,397	33	19,438	363,772	-	7,2
302+15,308			33	-10,075	363,167	15	-10,075	370,598	10	-9,000	371,315	9	-7,500	371,402	4,68%	7	-6,500	371,343	4,68%	363,436	371,039	7,603	9	2,500	370,914	-5,00%	10	4,000	370,839	15	10,000	366,839	16	14,000	367,239	33	19,076	363,855	8,1	7,0
303+0,000		PTV	33	-11,825	363,311	15	-11,825	369,303	10	-9,000	371,187	9	-7,500	371,262	5,35%	7	-6,500	371,208	5,35%	363,616	370,861	7,245	9	2,500	370,727	-5,35%	10	4,000	370,652	15	-	-	16	-	-	33	14,211	363,845	7,9	6,8
303+4,589			33	-13,877	363,466	15	-13,877	367,800	10	-9,000	371,051	9	-7,500	371,126	6,00%	7	-6,500	371,066	6,00%	363,764	370,676	6,912	9	2,500	370,526	-6,00%	10	4,000	370,451	15	-	-	16	-	-	33	13,744	363,955	7,6	6,5
304+0,000			33	-18,251	364,264	15	-	-	10	-9,000	370,431	9	-7,500	370,506	6,00%	7	-6,500	370,446	6,00%	364,324	370,056	5,732	9	2,500	369,906	-6,00%	10	4,000	369,831	15	-	-	16	-	-	33	12,141	363,404	6,2	6,4
305+0,000			33	-15,341	365,400	15	-	-	10	-9,000	369,627	9	-7,500	369,702	6,00%	7	-6,500	369,642	6,00%	365,237	369,252	4,015	9	2,500	369,102	-6,00%	10	4,000	369,027	15	-	-	16	-	-	33	9,872	365,113	4,2	3,9
306+0,000			33	-12,556	366,452	15	-	-	10	-9,000	368,823	9	-7,500	368,898	6,00%	7	-6,500	368,838	6,00%	366,098	368,448	2,350	9	2,500	368,298	-6,00%	10	4,000	368,223	15	-	-	16	-	-	33	7,570	365,843	2,4	2,4
307+0,000			33	-10,360	367,112	15	-	-	10	-9,000	368,019	9	-7,500	368,094	6,00%	7	-6,500	368,034	6,00%	366,672	367,644	0,972	9	2,500	367,494	-6,00%	10	4,000	367,419	15	-	-	16	-	-	33	5,484	366,429	0,9	1,0
307+10,715			33	-9,427	367,317	15	-	-	10	-9,000	367,588	9	-7,500	367,663	6,00%	7	-6,500	367,615	6,00%	366,866	367,213	0,347	9	2,500	367,063	-6,00%	10	4,000	366,988	15	-	-	16	-	-	33	4,494	466,658	0,3	0,3
308+0,000			33	-9,475	367,389	15	-	-	10	-9,000	366,914	9	-7,500	367,289	6,00%	7	-6,500	367,229	6,00%	366,953	366,839	-0,114	9	2,500	366,689	-6,00%	10	4,000	366,314	15	-	-	16	-	-	33	4,435	366,750	-0,5	-0,4
309+0,000			33	-10,115	367,225	15	-	-	10	-9,000	366,110	9	-7,500	366,485	6,00%	7	-6,500	366,425	6,00%	366,775	366,035	-0,740	9	2,500	365,885	-6,00%	10	4,000	365,510	15	-	-	16	-	-	33	5,045	366,555	-1,1	-1,0
310+0,000			33	-10,302	366,608	15	-	-	10	-9,000	365,306	9	-7,500	365,681	6,00%	7	-6,500	365,621	6,00%	366,258	365,231	-1,027	9	2,500	365,081	-6,00%	10	4,000	364,706	15	-	-	16	-	-	33	5,369	366,075	-1,3	-1,4
311+0,000		PCV	33	-10,247	365,749	15	-	-	10	-9,000	364,502	9	-7,500	364,877	6,00%	7	-6,500	364,817	6,00%	365,545	364,427	-1,118	9	2,500	364,277	-6,00%	10	4,000	363,902	15	-	-	16	-	-	33	5,534	365,435	-1,2	-1,5
311+17,361			33	-9,687	363,725	15	-	-	10	-9,000	364,183	9	-7,500	364,258	6,00%	7	-6,500	364,198	6,00%	364,600	363,808	-0,792	9	2,500	363,658	-6,00%	10	4,000	363,283	15	-	-	16	-	-	33	5,388	364,671	0,5	-1,4
312+0,000			33	-9,451	363,774	15	-	-	10	-9,000	364,075	9	-7,500	364,150	5,62%	7	-6,500	364,093	5,62%	364,411	363,728	-0,683	9	2,500	363,587	-5,00%	10	4,000	363,212	15	-	-	16	-	-	33	5,303	364,515	0,3	-1,3
312+10,000			33	-9,314	363,712	15	-	-	10	-9,000	363,398	9	-7,500	363,773	4,20%	7	-6,500	363,731	4,20%	363,433	363,457	0,024	9	2,500	363,332	-5,00%	10	4,000	362,957	15	-	-	16	-	-	33	4,747	363,704	-0,3	-0,7
312+11,431	CE		33	-9,331	363,679	15	-	-	10	-9,000	363,348	9	-7,500	363,723	4,00%	7	-6,500	363,683	4,00%	363,459	363,423	-0,036	9	2,500	363,298	-5,00%	10	4,000	362,923	15	-	-	16	-	-	33	4,651	363,574	-0,3	-0,7
312+16,385			33	-7,500	363,519	15	-	-	10	-	-	9	-7,500	363,612	4,00%	7	-6,500	363,572	4,00%	363,474	363,312	-0,161	9	2,500	363,187	-5,00%	10	4,000	362,812	15	-	-	16	-	-	33	4,543	363,355	-	-0,5
312+16,445			33	-7,502	363,517	15	-	-	10	-	-	9	-7,500	363,611	4,00%	7	-6,500	363,571	4,00%	363,473	363,311	-0,162	9	2,500	363,186	-5,00%	10	4,000	362,811	15	-	-	16	-	-	33	4,543	363,354	-	-0,5

4.1.3.4. Ramo 400

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos (-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 515+0,000 - Ramo 400

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																		COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA																					ALTURAS DOS TALUDES	
			Talude			Inicio da Berma / Encontro de Talude			Fundo canaleta			Faixa de Segurança				Bordo da pista							Acostamento				Fundo canaleta			Inicio da Berma / Encontro de Talude			Fim da Berma			Segunda da Berma			Fim da Berma			Talude				
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Projeto	Cota vermelha	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
402+5,845			33	-7,500	360,027	15	-	-	10	-	-	9	-7,500	362,185	4,00%	7	-6,500	362,145	4,00%	360,518	361,885	1,367	9	2,500	361,760	-5,00%	10	4,000	361,699	15	-	-	16	-	-	17	-	-	18	-	-	33	5,056	360,981	-	0,7
402+10,000	EC		33	-9,831	359,797	15	-9,831	361,582	10	-9,000	362,136	9	-7,500	362,211	4,00%	7	-6,500	362,171	4,00%	360,695	361,911	1,216	9	2,500	361,786	-5,00%	10	4,000	361,711	15	-	-	16	-	-	17	-	-	18	-	-	33	4,873	361,129	2,3	0,6
402+10,928			33	-10,148	359,855	15	-10,148	361,390	10	-9,000	362,155	9	-7,500	362,230	4,13%	7	-6,500	362,188	4,13%	360,739	361,920	1,181	9	2,500	361,795	-5,00%	10	4,000	361,720	15	-	-	16	-	-	17	-	-	18	-	-	33	4,828	361,168	2,3	0,6
403+0,000			33	-11,906	360,462	15	-	-	10	-9,000	362,399	9	-7,500	362,474	5,42%	7	-6,500	362,420	5,42%	361,247	362,067	0,820	9	2,500	361,932	-5,42%	10	4,000	361,857	15	-	-	16	-	-	17	-	-	18	-	-	33	5,402	360,922	1,9	0,9
403+4,070			33	-11,681	360,757	15	-	-	10	-9,000	362,544	9	-7,500	362,619	6,00%	7	-6,500	362,559	6,00%	361,089	362,169	1,080	9	2,500	362,019	-6,00%	10	4,000	361,944	15	-	-	16	-	-	17	-	-	18	-	-	33	6,275	360,428	1,8	1,5
404+0,000			33	-13,901	359,887	15	-	-	10	-9,000	363,155	9	-7,500	363,230	6,00%	7	-6,500	363,170	6,00%	359,592	362,780	3,188	9	2,500	362,630	-6,00%	10	4,000	362,555	15	-	-	16	-	-	17	-	-	18	-	-	33	8,179	359,769	3,3	2,8
404+5,000		PTV	33	-14,877	359,498	15	-	-	10	-9,000	363,416	9	-7,500	363,491	6,00%	7	-6,500	363,431	6,00%	359,995	363,041	3,046	9	2,500	362,891	-6,00%	10	4,000	362,816	15	-	-	16	-	-	17	-	-	18	-	-	33	8,179	360,030	3,9	2,8
405+0,000			33	-14,258	360,746	15	-	-	10	-9,000	364,251	9	-7,500	364,326	6,00%	7	-6,500	364,266	6,00%	360,641	363,876	3,235	9	2,500	363,726	-6,00%	10	4,000	363,651	15	-	-	16	-	-	17	-	-	18	-	-	33	8,552	360,616	3,5	3,0
406+0,000			33	-12,883	361,044	15	-12,883	362,774	10	-9,000	365,363	9	-7,500	365,438	6,00%	7	-6,500	365,378	6,00%	360,939	364,988	4,049	9	2,500	364,838	-6,00%	10	4,000	364,763	15	-	-	16	-	-	17	-	-	18	-	-	33	9,855	360,859	4,3	3,9
406+15,504			33	-10,695	361,274	15	-10,695	365,095	10	-9,000	366,225	9	-7,500	366,300	6,00%	7	-6,500	366,240	6,00%	361,157	365,850	4,693	9	2,500	365,700	-6,00%	10	4,000	365,625	15	-	-	16	-	-	17	-	-	18	-	-	33	10,718	361,147	5,0	4,5
407+0,000			33	-10,642	361,333	15	-10,642	365,380	10	-9,000	366,475	9	-7,500	366,550	6,00%	7	-6,500	366,490	6,00%	361,243	366,100	4,857	9	2,500	365,950	-6,00%	10	4,000	365,875	15	-	-	16	-	-	17	-	-	18	-	-	33	10,992	361,214	5,1	4,7
408+0,000			33	-13,707	361,847	15	-13,707	364,449	10	-9,000	367,588	9	-7,500	367,663	6,00%	7	-6,500	367,603	6,00%	361,654	367,213	5,559	9	2,500	367,063	-6,00%	10	4,000	366,988	15	-	-	16	-	-	17	-	-	18	-	-	33	12,210	361,514	5,7	5,5
409+0,000			33	-18,317	362,488	15	-	-	10	-9,000	368,700	9	-7,500	368,775	6,00%	7	-6,500	368,715	6,00%	362,100	368,325	6,224	9	2,500	368,175	-6,00%	10	4,000	368,100	15	-	-	16	-	-	17	-	-	18	-	-	33	13,461	361,793	6,2	6,3
410+0,000			33	-19,077	363,094	15	-	-	10	-9,000	369,812	9	-7,500	369,887	6,00%	7	-6,500	369,827	6,00%	362,499	369,437	6,938	9	2,500	369,287	-6,00%	10	4,000	369,212	15	10,000	365,212	16	14,000	365,612	17	-	-	18	-	-	33	19,564	361,903	6,7	7,3
410+6,939			33	-16,126	363,131	15	-16,126	365,448	10	-9,000	370,198	9	-7,500	370,273	6,00%	7	-6,500	370,213	6,00%	362,575	369,823	7,248	9	2,500	369,673	-6,00%	10	4,000	369,598	15	10,000	365,598	16	14,000	365,994	17	-	-	18	-	-	33	20,077	361,947	7,1	7,7
411+0,000			33	-10,173	363,027	15	-10,173	370,003	10	-9,000	370,785	9	-7,500	370,860	4,14%	7	-6,500	370,819	4,14%	362,773	370,549	7,777	9	2,500	370,424	-5,00%	10	4,000	370,349	15	10,000	366,349	16	14,000	366,749	17	20,000	362,749	18	24,000	363,149	33	26,039	361,790	7,8	8,6
411+1,008	CE		33	-9,840	363,020	15	-9,840	370,270	10	-9,000	370,830	9	-7,500	370,905	4,00%	7	-6,500	370,865	4,00%	362,806	370,605	7,799	9	2,500	370,480	-5,00%	10	4,000	370,405	15	10,000	366,405	16	14,000	366,805	17	20,000	362,805	18	24,000	363,205	33	26,126	361,788	7,8	8,6
411+6,731			33	-7,500	362,947	15	-	-	10	-	-	9	-7,500	371,224	4,00%	7	-6,500	371,184	4,00%	362,739	370,924	8,185	9	2,500	370,799	-5,00%	10	4,000	370,724	15	10,000	366,724	16	14,000	367,124	17	20,000	363,124	18	24,000	363,524	33	26,630	361,770	-	9,0

4.1.3.5. Ramo 500

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 515+0,000 - Ramo 500

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																		COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA										ALTURAS DOS TALUDES	
			Talude			Inicio da Berma / Encontro de Talude			Fundo canaleta / Barreira			Faixa de Segurança				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Acostamento				Fundo canaleta / Barreira			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
503+8,132			33	-6,000	365,520	15	-	-	10	-	-	9	-6,000	367,989	5,70%	7	-5,000	367,932	5,70%	365,449	367,647	2,197	9	2,500	367,504	-5,70%	10	4,000	367,429	33	7,065	365,386	-	2,0
503+14,694			33	-8,166	365,379	15	-8,166	367,414	10	-7,500	367,858	9	-6,000	367,933	5,70%	7	-5,000	367,876	5,70%	365,279	367,591	2,312	9	2,500	367,448	-5,70%	10	4,000	367,373	33	7,301	365,164	2,5	2,2
504+0,000			33	-9,009	365,231	15	-9,009	366,807	10	-7,500	367,813	9	-6,000	367,888	5,70%	7	-5,000	367,831	5,70%	365,108	367,546	2,438	9	2,500	367,403	-5,70%	10	4,000	367,328	33	7,528	364,976	2,6	2,4
505+0,000			33	-12,101	364,576	15	-	-	10	-7,500	367,643	9	-6,000	367,718	5,70%	7	-5,000	367,661	5,70%	364,383	367,376	2,994	9	2,500	367,234	-5,70%	10	4,000	367,159	33	8,401	364,225	3,1	2,9
505+4,236			33	-12,286	364,416	15	-	-	10	-7,500	367,607	9	-6,000	367,682	5,70%	7	-5,000	367,625	5,70%	364,220	367,340	3,120	9	2,500	367,198	-5,70%	10	4,000	367,123	33	8,600	364,056	3,2	3,1
506+0,000			33	-12,804	363,938	15	-	-	10	-7,500	367,473	9	-6,000	367,548	5,70%	7	-5,000	367,491	5,70%	363,683	367,206	3,524	9	2,500	367,064	-5,70%	10	4,000	366,989	33	9,182	363,534	3,5	3,5
507+0,000			33	-13,667	363,193	15	-	-	10	-7,500	367,304	9	-6,000	367,379	5,70%	7	-5,000	367,322	5,70%	363,049	367,037	3,988	9	2,500	366,894	-5,70%	10	4,000	366,819	33	9,797	362,955	4,1	3,9
507+8,472	CE		33	-14,042	362,870	15	-	-	10	-7,500	367,232	9	-6,000	367,307	5,70%	7	-5,000	367,250	5,70%	362,777	366,965	4,188	9	2,500	366,822	-5,70%	10	4,000	366,747	33	10,021	362,733	4,4	4,0
507+14,472			33	-14,074	362,636	15	-	-	10	-7,500	367,019	9	-6,000	367,094	3,00%	7	-5,000	367,064	3,00%	362,593	366,914	4,321	9	2,500	366,789	-5,00%	10	4,000	366,714	33	10,249	362,548	4,4	4,2
508+0,000			33	-14,267	362,461	15	-	-	10	-7,500	366,972	9	-6,000	367,047	3,00%	7	-5,000	367,017	3,00%	362,439	366,867	4,428	9	2,500	366,742	-5,00%	10	4,000	366,667	33	10,449	362,368	4,5	4,3
508+0,472			33	-14,282	362,447	15	-	-	10	-7,500	366,968	9	-6,000	367,043	3,00%	7	-5,000	367,013	3,00%	362,426	366,863	4,437	9	2,500	366,738	-5,00%	10	4,000	366,663	33	10,466	362,352	4,5	4,3
508+5,000		PCV	33	-14,426	362,312	15	-	-	10	-7,500	366,930	9	-6,000	367,005	3,00%	7	-5,000	366,975	3,00%	362,299	366,825	4,525	9	2,500	366,700	-5,00%	10	4,000	366,625	33	10,579	362,239	4,6	4,4
508+12,472			33	-13,410	362,091	15	-13,410	362,915	10	-7,500	366,855	9	-6,000	366,930	3,00%	7	-5,000	366,900	3,00%	362,126	366,750	4,624	9	2,500	366,625	-5,00%	10	4,000	366,550	33	10,678	362,098	4,8	4,5
509+0,000			33	-11,424	361,903	15	11,424	364,142	10	-7,500	366,758	9	-6,000	366,833	3,00%	7	-5,000	366,803	3,00%	361,954	366,653	4,699	9	2,500	366,528	-5,00%	10	4,000	366,453	33	10,749	361,953	4,9	4,5
509+10,472			33	-9,616	361,662	15	-9,616	365,175	10	-7,500	366,585	9	-6,000	366,660	3,00%	7	-5,000	366,630	3,00%	361,712	366,480	4,768	9	2,500	366,355	-5,00%	10	4,000	366,280	33	10,703	361,812	4,9	4,5
509+15,000			33	-9,148	361,558	15	-9,148	365,398	10	-7,500	366,497	9	-6,000	366,572	3,00%	7	-5,000	366,542	-3,00%	361,610	366,392	4,782	9	2,500	366,267	-5,00%	10	4,000	366,192	33	10,669	361,746	4,9	4,4
510+0,000			33	-8,845	361,442	15	-8,845	365,494	10	-7,500	366,391	9	-6,000	366,466	3,00%	7	-5,000	366,436	3,00%	361,537	366,286	4,749	9	2,500	366,161	-5,00%	10	4,000	366,086	33	10,618	361,674	4,9	4,4
510+2,472			33	-8,774	361,388	15	-8,774	365,485	10	-7,500	366,334	9	-6,000	366,409	3,00%	7	-5,000	366,379	3,00%	361,501	366,229	4,728	9	2,500	366,104	-5,00%	10	4,000	366,029	33	10,588	361,637	4,9	4,4
510+8,472	ET		33	-8,813	361,316	15	-8,813	365,312	10	-7,500	366,187	9	-6,000	366,262	3,00%	7	-5,000	366,232	3,00%	361,416	366,082	4,666	9	2,500	365,957	-5,00%	10	4,000	365,882	33	10,500	361,549	4,9	4,3
511+0,000			33	-9,692	361,187	15	-9,692	364,404	10	-7,500	365,865	9	-6,000	365,940	3,00%	7	-5,000	365,910	3,00%	361,297	365,760	4,463	9	2,500	365,635	-5,00%	10	4,000	365,560	33	10,092	361,499	4,7	4,1
511+5,000		PTV	33	-10,402	361,126	15	-10,402	363,775	10	-7,500	365,709	9	-6,000	365,784	3,00%	7	-5,000	365,754	3,00%	361,246	365,604	4,358	9	2,500	365,479	-5,00%	10	4,000	365,404	33	9,856	361,500	4,6	3,9
512+0,000			33	-13,755	360,940	15	-13,755	361,056	10	-7,500	365,227	9	-6,000	365,302	3,00%	7	-5,000	365,272	3,00%	361,255	365,122	3,866	9	2,500	364,997	-5,00%	10	4,000	364,922	33	9,127	361,504	4,3	3,4
512+6,077	TE		33	-13,627	360,946	15	-	-	10	-7,500	365,031	9	-6,000	365,106	3,00%	7	-5,000	365,076	3,00%	361,258	364,926	3,668	9	2,500	364,801	-5,00%	10	4,000	364,726	33	8,840	361,500	4,1	3,2
512+12,077			33	-13,324	360,955	15	-	-	10	-7,500	364,838	9	-6,000	364,913	3,00%	7	-5,000	364,883	3,00%	361,260	364,733	3,473	9	2,500	364,608	-5,00%	10	4,000	364,533	33	8,497	361,535	3,9	3,0
513+0,000			33	-12,938	360,957	15	-	-	10	-7,500	364,583	9	-6,000	364,658	3,00%	7	-5,000	364,628	3,00%	361,307	364,478	3,171	9	2,500	364,353	-5,00%	10	4,000	364,278	33	8,047	361,580	3,6	2,7
513+4,077			33	-13,016	360,774	15	-	-	10	-7,500	364,452	9	-6,000	364,527	3,00%	7	-5,000	364,497	3,00%	361,306	364,347	3,041	9	2,500	364,222	-5,00%	10	4,000	364,147	33	7,869	361,567	3,7	2,6
514+0,000			33	-12,870	360,359	15	-	-	10	-7,500	363,939	9	-6,000	364,014	3,00%	7	-5,000	363,984	3,00%	361,107	363,834	2,727	9	2,500	363,709	-5,00%	10	4,000	363,634	33	7,159	361,528	3,6	2,1
514+2,077			33	-12,847	360,308	15	-	-	10	-7,500	363,872	9	-6,000	363,947	3,00%	7	-5,000	363,917	3,00%	361,067	363,767	2,700	9	2,500	363,642	-5,00%	10	4,000	363,567	33	7,119	361,488	3,6	2,1
514+14,077			33	-11,618	360,741	15	-	-	10	-7,500	363,486	9	-6,000	363,561	3,00%	7	-5,000	363,531	3,00%	361,193	363,381	2,188	9	2,500	363,256	-5,00%	10	4,000	363,181	33	6,493	361,519	2,7	1,7
514+17,000		PCV	33	-11,363	360,817	15	-	-	10	-7,500	363,392	9	-6,000	363,467	3,00%	7	-5,000	363,437	3,00%	361,239	363,287	2,048	9	2,500	363,162	-5,00%	10	4,000	363,087	33	6,337	361,529	2,6	1,6
515+0,000			33	-11,103	360,896	15	-	-	10	-7,500	363,298	9	-6,000	363,373	3,00%	7	-5,000	363,343	3,00%	361,263	363,193	1,930	9	2,500	363,068	-5,00%	10	4,000	362,993	33	6,178	361,541	2,4	1,5
515+0,077			33	-11,097	360,898	15	-	-	10	-7,500	363,296	9	-6,000	363,371	3,00%	7	-5,000	363,341	3,00%	361,264	363,191	1,928	9	2,500	363,066	-5,00%	10	4,000	362,991	33	6,174	361,542	2,4	1,4
515+6,077	EC		33	-10,879	361,054	15	-	-	10	-7,500	363,307	9	-6,000	363,382	6,00%	7	-5,000	363,322	6,00%	361,350	363,022	1,672	9	2,500	362,872	-6,00%	10	4,000	362,797	33	5,833	361,575	2,3	1,2
516+0,000			33	-9,927	361,387	15	-	-	10	-7,500	363,005	9	-6,000	363,080	6,00%	7	-5,000	363,020	6,00%	361,706	362,720	1,014	9	2,500	362,570	-6,00%	10	4,000	362,495	33	4,984	361,839	1,6	0,7
516+18,951			33	-8,603	362,063	15	-	-	10	-7,500	362,813	9	-6,000	362,886	6,00%	7	-5,000	362,826	6,00%	362,126	362,514	0,388	9	2,500	362,364	-6,00%	10	4,000	361,989	33	4,453	362,442	0,8	-0,5
517+0,000			33	-8,519	362,115	15	-	-	10	-7,500	362,794	9	-6,000	362,869	6,00%	7	-5,000	362,809	6,00%	362,142	362,509	0,367	9	2,500	362,359	-6,00%	10	4,000	361,984	33	4,490	362,474	0,7	-0,5
517+6,083			33	-8,055	362,412	15	-	-	10	-7,500	362,782	9	-6,000	362,857	6,00%	7	-5,000	362,797	6,00%	362,263	362,497	0,234	9	2,500	362,347	-6,00%	10	4,000	361,972	33	4,572	362,545	0,4	-0,6
517+7,000			33	-7,995	362,452	15	-	-	10	-7,500	362,782	9	-6,000	362,857	6,00%	7	-5,000	362,797	6,00%	362,297	362,497	0,201	9	2,500	362,347	-6,00%	10	4,000	361,972	33	4,583	362,556	0,3	-0,6
517+11,355			33	-7,795	362,595	15	-	-	10	-7,500	362,791	9	-6,000	362,866	6,00%	7	-5,000	362,806	6,00%	362,458	362,506	0,048	9	2,500	362,356	-6,00%	10	4,000	361,981	33	4,634	362,615	0,2	-0,6
518+0,000			33	-6,000	362,793	15	-	-	10	-	-	9	-6,000	362,921	6,00%	7	-5,000	362,861	6,00%	362,782	362,561	-0,221	9	2,500	362,411	-6,00%	10	4,000	362,036	33	4,771	362,807	-	-0,8
518+4,232			33	-6,000	362,815	15	-	-	10	-	-	9	-6,000	362,965	6,00%	7	-5,000	362,905	6,00%	362,941	362,605	-0,336	9	2,500	362,455	-6,00%	10	4,000	362,080	33	4,882	362,962	-	-0,9

4.1.3.6. Ramo 600

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 515+0,000 - Ramo 600

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																						COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA															ALTURAS DOS TALUDES	
			Talude			Fim da Berma			Início da Berma / Encontro de Talude			Fundo canaleta			Faixa de Segurança				Bordo da pista							Acostamento				Fundo canaleta			Início da Berma / Encontro de Talude			Fim da Berma			Talude				
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Projeto	Cota vermelha	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
603+11,327			33	-6,000	363,192	16	-	-	15	-	-	10	-	-	9	-6,000	363,466	6,00%	7	-5,000	363,406	6,00%	363,150	363,106	-0,044	9	2,500	362,956	-6,00%	10	4,000	362,581	15	-	-	16	-	-	33	4,543	363,124	-	-0,5
604+0,000			33	-7,764	362,992	16	-	-	15	-	-	10	-7,500	363,168	9	-6,000	363,243	6,00%	7	-5,000	363,183	6,00%	362,914	362,883	-0,031	9	2,500	362,733	-6,00%	10	4,000	362,358	15	-	-	16	-	-	33	4,482	362,839	0,2	-0,5
604+0,510			33	-7,770	362,975	16	-	-	15	-	-	10	-7,500	363,155	9	-6,000	363,230	6,00%	7	-5,000	363,170	6,00%	362,891	362,870	-0,021	9	2,500	362,720	-6,00%	10	4,000	362,345	15	-	-	16	-	-	33	4,477	362,822	0,2	-0,5
604+2,364	CE		33	-7,804	362,909	16	-	-	15	-	-	10	-7,500	363,111	9	-6,000	363,186	6,00%	7	-5,000	363,126	6,00%	362,808	362,826	0,019	9	2,500	362,676	-6,00%	10	4,000	362,301	15	-	-	16	-	-	33	4,459	362,761	0,2	-0,5
605+0,000			33	-8,113	362,242	16	-	-	15	-	-	10	-7,500	362,650	9	-6,000	362,725	4,24%	7	-5,000	362,683	4,24%	362,253	362,471	0,218	9	2,500	362,336	-5,41%	10	4,000	362,261	15	-	-	16	-	-	33	4,102	362,193	0,4	0,1
605+12,364			33	-8,441	361,766	16	-	-	15	-	-	10	-7,500	362,394	9	-6,000	362,469	3,00%	7	-5,000	362,439	3,00%	361,669	362,289	0,619	9	2,500	362,164	-5,00%	10	4,000	362,089	15	-	-	16	-	-	33	4,723	361,607	0,6	0,5
606+0,000			33	-8,843	361,413	16	-	-	15	-	-	10	-7,500	362,308	9	-6,000	362,383	3,00%	7	-5,000	362,353	3,00%	361,305	362,203	0,898	9	2,500	362,078	-5,00%	10	4,000	362,003	15	-	-	16	-	-	33	5,142	361,242	0,9	0,8
606+2,364			33	-8,981	361,299	16	-	-	15	-	-	10	-7,500	362,286	9	-6,000	362,361	3,00%	7	-5,000	362,331	3,00%	361,192	362,181	0,990	9	2,500	362,056	-5,00%	10	4,000	361,981	15	-	-	16	-	-	33	5,189	361,188	1,0	0,8
606+10,000			33	-9,316	361,018	16	-	-	15	-	-	10	-7,500	362,228	9	-6,000	362,303	3,00%	7	-5,000	362,273	3,00%	361,031	362,123	1,093	9	2,500	361,998	-5,00%	10	4,000	361,923	15	-	-	16	-	-	33	5,328	361,038	1,2	0,9
607+0,000			33	-9,552	360,817	16	-	-	15	-	-	10	-7,500	362,185	9	-6,000	362,260	3,00%	7	-5,000	362,230	3,00%	360,832	362,080	1,247	9	2,500	361,955	-5,00%	10	4,000	361,880	15	-	-	16	-	-	33	5,681	360,759	1,4	1,1
607+2,364	ET		33	-9,617	360,768	16	-	-	15	-	-	10	-7,500	362,179	9	-6,000	362,254	3,00%	7	-5,000	362,224	3,00%	360,786	362,074	1,289	9	2,500	361,949	-5,00%	10	4,000	361,874	15	-	-	16	-	-	33	6,095	360,478	1,4	1,4
607+7,231			33	-9,761	360,668	16	-	-	15	-	-	10	-7,500	362,175	9	-6,000	362,262	3,00%	7	-5,000	362,232	3,24%	360,673	362,070	1,397	9	2,500	361,945	-5,00%	10	4,000	361,870	15	-	-	16	-	-	33	6,958	359,898	1,5	2,0
608+0,000			33	-10,568	360,159	16	-	-	15	-	-	10	-7,500	362,204	9	-6,000	362,279	3,00%	7	-5,000	362,249	3,00%	359,490	362,099	2,609	9	2,500	361,974	-5,00%	10	4,000	361,899	15	-	-	16	-	-	33	7,564	359,524	2,0	2,4
608+12,364			33	-11,895	359,359	16	-	-	15	-	-	10	-7,500	362,289	9	-6,000	362,364	3,00%	7	-5,000	362,334	3,00%	359,142	362,184	3,042	9	2,500	362,059	-5,00%	10	4,000	361,984	15	-	-	16	-	-	33	8,193	359,188	2,9	2,8
609+0,000			33	-12,500	359,035	16	-	-	15	-	-	10	-7,500	362,368	9	-6,000	362,443	3,00%	7	-5,000	362,413	3,00%	358,879	362,263	3,385	9	2,500	362,138	-5,00%	10	4,000	362,063	15	-	-	16	-	-	33	8,703	358,928	3,3	3,1
609+12,364			33	-13,505	358,538	16	-	-	15	-	-	10	-7,500	362,541	9	-6,000	362,616	3,00%	7	-5,000	362,586	3,00%	358,476	362,436	3,961	9	2,500	362,311	-5,00%	10	4,000	362,236	15	-	-	16	-	-	33	9,666	358,459	4,0	3,8
610+0,000			33	-13,818	358,464	16	-	-	15	-	-	10	-7,500	362,676	9	-6,000	362,751	3,00%	7	-5,000	362,721	3,00%	358,388	362,571	4,183	9	2,500	362,446	-5,00%	10	4,000	362,371	15	-	-	16	-	-	33	10,188	358,245	4,2	4,1
611+0,000		PTV	33	-14,847	358,229	16	-	-	15	-	-	10	-7,500	363,127	9	-6,000	363,202	3,00%	7	-5,000	363,172	3,00%	357,942	363,022	5,080	9	2,500	362,897	-5,00%	10	4,000	362,822	15	-	-	16	-	-	33	11,560	357,782	4,9	5,0
612+0,000			33	-16,203	357,848	16	-	-	15	-	-	10	-7,500	363,650	9	-6,000	363,725	3,00%	7	-5,000	363,695	3,00%	357,572	363,545	5,974	9	2,500	363,420	-5,00%	10	4,000	363,345	15	-	-	16	-	-	33	12,981	357,358	5,8	6,0
613+0,000			33	-15,608	357,511	16	-	-	15	-15,608	358,768	10	-7,500	364,173	9	-6,000	364,248	3,00%	7	-5,000	364,218	3,00%	357,308	364,068	6,761	9	2,500	363,943	-5,00%	10	4,000	363,868	15	-	-	16	-	-	33	14,144	357,106	6,7	6,8
614+0,000			33	-10,220	357,243	16	-	-	15	-10,220	362,883	10	-7,500	364,697	9	-6,000	364,772	3,00%	7	-5,000	364,742	3,00%	357,116	364,592	7,475	9	2,500	364,467	-5,00%	10	4,000	364,392	15	14,500	357,392	16	18,500	357,792	33	20,024	356,775	7,5	7,6
614+5,000		PCV	33	-9,348	357,177	16	-	-	15	-9,348	362,595	10	-7,500	364,827	9	-6,000	364,902	3,00%	7	-5,000	364,872	3,00%	356,986	364,722	7,737	9	2,500	364,597	-5,00%	10	4,000	364,522	15	14,500	357,522	16	18,500	357,922	33	20,362	356,681	7,7	7,8
615+0,000			33	-7,843	357,094	16	-	-	15	-7,843	364,957	10	-7,500	365,186	9	-6,000	365,261	3,00%	7	-5,000	365,231	3,00%	356,942	365,081	8,139	9	2,500	364,956	-5,00%	10	4,000	364,881	15	14,500	357,881	16	18,500	358,281	33	21,084	356,558	8,1	8,3
616+0,000			33	-8,423	357,141	16	-	-	15	-8,423	364,942	10	-7,500	365,558	9	-6,000	365,633	3,00%	7	-5,000	365,603	3,00%	356,976	365,453	8,477	9	2,500	365,328	-5,00%	10	4,000	365,253	15	14,500	358,253	16	18,500	358,653	33	21,803	356,450	8,4	8,8
617+0,000			33	-11,945	357,199	16	-	-	15	-11,945	362,845	10	-7,500	365,808	9	-6,000	365,883	3,00%	7	-5,000	365,853	3,00%	356,950	365,703	8,754	9	2,500	365,578	-5,00%	10	4,000	365,503	15	14,500	358,503	16	18,500	358,903	33	22,299	356,370	8,6	9,1
617+15,000			33	-16,120	357,401	16	-	-	15	-16,120	360,170	10	-7,500	365,917	9	-6,000	365,992	3,00%	7	-5,000	365,962	3,00%	356,975	365,812	8,836	9	2,500	365,687	-5,00%	10	4,000	365,612	15	14,500	358,612	16	18,500	359,012	33	22,286	356,488	8,5	9,1
618+0,000			33	-15,739	357,437	16	-	-	15	-15,739	360,445	10	-7,500	365,938	9	-6,000	366,013	3,00%	7	-5,000	365,983	3,00%	357,033	365,833	8,800	9	2,500	365,708	-5,00%	10	4,000	365,633	15	14,500	358,633	16	18,500	359,033	33	22,267	356,521	8,5	9,1
618+11,373			33	-24,326	357,677	16	-22,000	359,357	15	-18,000	358,957	10	-7,500	365,957	9	-6,000	366,032	3,00%	7	-5,000	366,002	3,00%	357,204	365,852	8,648	9	2,500	365,727	-5,00%	10	4,000	365,652	15	14,500	358,656	16	18,500	359,052	33	22,181	356,598	8,3	9,1
619+0,000			33	-24,086	357,956	16	-22,000	359,346	15	-18,000	358,946	10	-7,500	365,946	9	-6,000	366,021	3,00%	7	-5,000	365,991	3,00%	357,334	365,841	8,507	9	2,500	365,716	-5,00%	10	4,000	365,641	15	14,500	358,641	16	18,500	359,041	33	22,063	356,666	8,0	9,0
620+0,000			33	-23,431	358,281	16	-22,000	359,271	15	-18,000	358,833	10	-7,500	365,833	9	-6,000	365,908	3,00%	7	-5,000	365,878	3,00%	357,873	365,728	7,855	9	2,500	365,603	-5,00%	10	4,000	365,528	15	14,500	358,528	16	18,500	358,928	33	21,266	357,084	7,6	8,4
620+2,666			33	-23,342	358,314	16	-22,000	359,209	15	-18,000	358,809	10	-7,500	365,809	9	-6,000	365,884	3,00%	7	-5,000	365,854	3,00%	357,948	365,704	7,756	9	2,500	365,579	-5,00%	10	4,000	365,504	15	14,500	358,504	16	18,500	358,904	33	21,152	357,136	7,5	8,4
621+0,000			33	-22,717	358,521	16	-22,000	358,999	15	-18,000	358,599	10	-7,500	365,599	9	-6,000	365,674	3,00%	7	-5,000	365,644	3,00%	357,914	365,494	7,580	9	2,500	365,369	-5,00%	10	4,000	365,294	15	14,500	358,294	16	18,500	358,694	33	20,469	357,381	7,1	7,9
621+3,719			33	-18,093	358,480	16	-	-	15	-	-	10	-7,500	365,542	9	-6,000	365,617	3,00%	7	-5,000	365,587	3,00%	358,011	365,437	7,426	9	2,500	365,312	-5,00%	10	4,000	365,237	15	14,500	358,237	16	18,500	358,637	33	20,271	357,456	7,1	7,8
621+5,000		PTV	33	-18,030	358,502	16	-	-	15	-	-	10	-7,500	365,522	9	-6,000	365,597	3,00%	7	-5,000	365,567	3,00%	358,044	365,417	7,372	9	2,500	365,292	-5,00%	10	4,000	365,217	15	14,500	358,217	16	18,500	358,617	33	20,202	357,482	7,0	7,7
621+10,000		PCV	33	-17,800	358,574	16	-	-	15	-	-	10	-7,500	365,440	9	-6,000	365,515	3,00%	7	-5,000	365,485	3,00%	358,143	365,335	7,192	9	2,500	365,210	-5,00%	10	4,000	365,135	15	14,500	358,135	16	18,500	358,535	33	19,928	357,583	6,9	7,6
622+0,000			33	-17,257	358,786	16	-	-	15	-	-	10	-7,500	365,291	9	-6,000	365,366	3,00%	7	-5,000	365,336	3,00%	358,242	365,186	6,943	9	2,500	365,061	-5,00%	10	4,000	364,986	15	-	-	16	-	-	33	14,673	357,870	6,5	7,1
622+15,298	TE		33	-16,531	359,090	16	-	-	15	-	-	10	-7,500	365,111	9	-6,000	365,186	3,00%	7	-5,000	365,156	3,00%	358,643	365,006	6,363	9	2,500	364,881	-5,00%	10	4,000	364,806	15	-	-	16	-	-	33	13,821	358,258	6,0	6,5
623+0,000			33	-16,325	359,184	16	-	-	15	-	-	10	-7,500	365,067	9	-6,000	365,142	3,00%	7	-5,000	365,112	3,00%	358,749	364,962	6,213	9	2,500	364,837	-5,00%	10	4,000	364,762	15	-	-	16	-	-	33	13,576	358,378	5,9	6,4
623+15,000			33	-15,592	359,570	16	-	-	15	-	-	10	-7,500	364,965	9	-6,000	365,041	3,00%	7	-5,000	365,011	3,00%	359,038	364,861	5,823	9	2,500	364,736	5,00%	10	4,000	364,661	15	-	-	16	-	-	33	12,940	358,701	5,4	6,0
623+16,350			33	-15,488	359,634	16	-	-	15	-	-	10	-7,500	364,959	9	-6,000	365,034	3,00%	7	-5,000	365,004	3,00%	359,063	364,854	5,791	9	2,500	364,729	-5,00%	10	4,000	364,654	15	-	-	16	-	-	33	12,890	358,728	5,3	5,9
624+0,000			33	-15,299	359,732	16	-	-	15	-15,299	359,745	10	-7,500	364,945	9	-6,000	365,020	3,00%	7	-5,000	364,990	3,00%	359,131	364,840	5,709	9	2,500	364,715	-5,00%	10	4,000	364,640	15	-	-	16	-	-	33	12,760	358,800	5,2	5,8
624+6,877			33	-13,705	359,750	16	-	-	15	-13,705	360,789	10	-7,500	364,926	9	-6,000	365,001	3,00%	7	-5,000	364,971	3,00%	359,256	364,821	5,565	9	2,500	364,696	-5,00%	10	4,000	364,621	15	-	-	16	-	-	33	12,534	358,932	5,2	5,7
624+14,210			33	-12,132	359,769	16	-	-	15	-12,132	361,873	10	-7,500	364,961	9	-6,000	365,036	3,70%	7	-5,000	364,999	3,70%	359,427	364,814	5,387	9	2,500	364,685	-5,18%	10	4,000	364,610	15	-	-	16	-	-	33	12,290	359,083	5,2	5,5
625+0,000			33	-10,972	359,784	16	-	-	15	-10,972	362,683	10	-7,500	364,998	9	-6,000	365,073	4,25%	7	-5,000	365,031	4,25%	359,481	364,818	5,337	9	2,500	364,685	-5,32%	10	4,000	364,610	15	-	-	16	-	-	33	12,071	359,230	5,2	5,4
625+13,534			33	-8,606	359,998	16	-	-	15	-8,606	364,380	10	-7,500	365,118	9	-6,000	365,193	5,53%	7	-5,000	365,138	5,53%	359,809	364,861	5,052	9	2,500	364,720	-5,53%	10	4,000	364,645	15	-	-	16	-	-	33	11,588	359,586	5,1	5,1
625+15,298			33	-8,339	360,034	16	-	-	15	-8,339	364,578	10	-7,500	365,137	9	-6,000	365,212	5,70%	7	-5,000	365,155	5,70%	359,837	364,870	5,033	9	2,500	364,728	-5,70%	10	4,000	364,653	15	-	-	16	-	-	33	11,543	359,624	5,1	5,0
626+0,000		PCRV	33	-6,000	360,072	16	-	-	15	-	-	10	-	-	9	-6,000	365,240	5,70%	7	-5,000	365,183	5,70%	359,902	364,898	4,996	9	2,500	364,756	-5,70%	10	4,000	364,681	15	-	-	16	-	-	33	11,439	359,721	-	5,0
626+3,247			33	-6,000	360,133	16	-	-	15	-	-	10	-	-	9	-6,000	365,260	5,70%	7	-5,000	365,203	5,70%	359,964	364,918	4,954	9	2,500	364,776	-5,70%	10	4,000	364,701	15	-	-	16	-	-	33	11,370	359,787	-	4,9
626+6,916			33	-6,000	360,201	16	-	-	15	-	-	10	-	-	9	-6,000	365,281	5,70%	7	-5,000	365,224	5,70%	360,057	364,939	4,882	9	2,500	364,796	-5,70%	10	4,000	364,721	15	-	-	16	-	-	33	11,291	359,861	-	4,9

4.1.3.7. Ramo 700

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 515+0,000 - Ramo 700

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																		COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA										ALTURAS DOS TALUDES	
			Talude			Início da Berma / Encontro de Talude			Fundo canaleta			Faixa de Segurança				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Acostamento				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
703+18,765			33	-6,000	361,070	15	-	-	10	-	-	9	-6,000	364,887	6,00%	7	-5,000	364,827	6,00%	361,225	364,527	3,302	9	2,500	364,377	-6,00%	10	4,000	364,302	33	8,382	361,381	-	2,9
704+0,000			33	-6,000	361,057	15	-	-	10	-7,500	364,807	9	-6,000	364,882	6,00%	7	-5,000	364,822	6,00%	361,221	364,522	3,301	9	2,500	364,372	-6,00%	10	4,000	364,297	33	8,368	361,385	-	2,9
704+8,357			33	-8,428	360,952	15	-8,428	364,146	10	-7,500	364,756	9	-6,000	364,840	6,00%	7	-5,000	364,780	6,00%	361,200	364,480	3,280	9	2,500	364,330	-6,00%	10	4,000	364,255	33	8,259	361,416	3,8	2,8
704+10,000		PTV	33	-8,696	360,929	15	-8,686	363,958	10	-7,500	364,755	9	-6,000	364,830	6,00%	7	-5,000	364,770	6,00%	361,197	364,470	3,273	9	2,500	364,320	-6,00%	10	4,000	364,245	33	8,239	361,419	3,8	2,8
704+17,948			33	-10,104	360,825	15	-10,104	362,973	10	-7,500	364,709	9	-6,000	364,784	6,00%	7	-5,000	364,724	6,00%	361,192	364,424	3,232	9	2,500	364,274	-6,00%	10	4,000	364,199	33	8,166	361,422	3,9	2,8
705+0,000		PCV	33	-10,499	360,800	15	-10,499	362,697	10	-7,500	364,697	9	-6,000	364,772	6,00%	7	-5,000	364,712	6,00%	361,196	364,412	3,216	9	2,500	364,262	-6,00%	10	4,000	364,187	33	8,144	361,424	3,9	2,8
705+17,567			33	-13,297	360,781	15	-	-	10	-7,500	364,645	9	-6,000	364,720	6,00%	7	-5,000	364,660	6,00%	364,060	364,360	0,300	9	2,500	364,210	-6,00%	10	4,000	364,135	33	8,014	361,459	3,9	2,7
706+0,000			33	-13,257	360,808	15	-	-	10	-7,500	364,646	9	-6,000	364,721	6,00%	7	-5,000	364,661	6,00%	361,252	364,361	3,109	9	2,500	364,211	-6,00%	10	4,000	364,136	33	7,987	361,478	3,8	2,7
706+15,896	CE		33	-12,986	361,044	15	-	-	10	-7,500	364,701	9	-6,000	364,776	6,00%	7	-5,000	364,716	6,00%	361,500	364,416	2,917	9	2,500	364,266	-6,00%	10	4,000	364,191	33	7,761	361,684	3,7	2,5
707+0,000			33	-12,934	361,106	15	-	-	10	-7,500	364,728	9	-6,000	364,803	5,99%	7	-5,000	364,744	5,99%	361,573	364,444	2,871	9	2,500	364,295	-5,99%	10	4,000	364,220	33	7,701	361,752	3,6	2,5
708+0,000			33	-12,439	361,648	15	-	-	10	-7,500	364,940	9	-6,000	365,015	5,92%	7	-5,000	364,956	5,92%	361,908	364,660	2,752	9	2,500	364,512	-5,92%	10	4,000	364,437	33	7,417	362,159	3,3	2,3
708+5,896			33	-12,418	361,749	15	-	-	10	-7,500	365,028	9	-6,000	365,103	5,90%	7	-5,000	365,044	5,90%	362,008	364,749	2,741	9	2,500	364,601	-5,90%	10	4,000	364,526	33	7,393	362,265	3,3	2,3
708+15,896			33	-12,422	361,922	15	-	-	10	-7,500	365,203	9	-6,000	365,278	5,87%	7	-5,000	365,220	5,87%	362,239	364,926	2,687	9	2,500	364,780	-5,87%	10	4,000	364,705	33	7,314	362,496	3,3	2,2
709+0,000		PTV	33	-12,437	361,993	15	-	-	10	-7,500	365,285	9	-6,000	365,360	5,85%	7	-5,000	365,301	5,85%	362,355	365,009	2,654	9	2,500	364,862	-5,86%	10	4,000	364,787	33	7,265	362,611	3,3	2,2
709+15,896			33	-12,433	362,323	15	-	-	10	-7,500	365,612	9	-6,000	365,687	5,80%	7	-5,000	365,629	5,80%	362,771	365,339	2,568	9	2,500	365,194	-5,80%	10	4,000	365,119	33	7,078	363,067	3,3	2,1
709+15,896	EC		33	-12,433	362,323	15	-	-	10	-7,500	365,612	9	-6,000	365,687	5,80%	7	-5,000	365,629	5,80%	362,771	365,339	2,568	9	2,500	365,194	-5,80%	10	4,000	365,119	33	7,078	363,067	3,3	2,1
710+0,000			33	-12,441	362,403	15	-	-	10	-7,500	365,697	9	-6,000	365,772	5,80%	7	-5,000	365,714	5,80%	362,874	365,424	2,550	9	2,500	365,279	-5,80%	10	4,000	365,204	33	7,045	363,174	3,3	2,0
711+0,000			33	-11,145	363,285	15	-11,145	363,682	10	-7,500	366,112	9	-6,000	366,187	5,80%	7	-5,000	366,129	5,80%	363,579	365,839	2,261	9	2,500	365,694	-5,80%	10	4,000	365,619	33	6,797	363,754	2,8	1,9
712+0,000			33	-11,347	363,963	15	-	-	10	-7,500	366,528	9	-6,000	366,603	5,80%	7	-5,000	366,545	5,80%	364,266	366,255	1,989	9	2,500	366,110	-5,80%	10	4,000	366,035	33	6,441	364,407	2,6	1,6
713+0,000			33	-10,731	364,789	15	-	-	10	-7,500	366,943	9	-6,000	367,018	5,80%	7	-5,000	366,960	5,80%	364,997	366,670	1,673	9	2,500	366,525	-5,80%	10	4,000	366,450	33	5,998	365,118	2,2	1,3
714+0,000			33	-10,256	365,521	15	-	-	10	-7,500	367,359	9	-6,000	367,434	5,80%	7	-5,000	367,376	5,80%	365,798	367,086	1,288	9	2,500	366,941	-5,80%	10	4,000	366,866	33	5,485	365,876	1,8	1,0
714+9,757			33	-9,440	366,268	15	-	-	10	-7,500	367,561	9	-6,000	367,636	5,80%	7	-5,000	367,578	5,80%	366,007	367,288	1,281	9	2,500	367,143	-5,80%	10	4,000	367,068	33	5,138	366,309	1,3	0,8
715+0,000			33	-8,904	366,838	15	-	-	10	-7,500	367,774	9	-6,000	367,849	5,80%	7	-5,000	367,791	5,80%	366,808	367,501	0,693	9	2,500	367,356	-5,80%	10	4,000	367,281	33	4,740	366,787	0,9	0,5
716+0,000		PCV	33	-8,017	367,845	15	-	-	10	-7,500	368,189	9	-6,000	368,264	5,80%	7	-5,000	368,206	5,80%	367,775	367,916	0,141	9	2,500	367,771	-5,80%	10	4,000	367,696	33	4,060	367,736	0,3	-0,3
717+0,000			33	-7,850	368,436	15	-	-	10	-7,500	368,669	9	-6,000	368,744	5,80%	7	-5,000	368,686	5,80%	0,000	368,396	368,396	9	2,500	368,251	-5,80%	10	4,000	367,876	33	4,776	368,652	0,2	-0,8
717+10,000			33	-8,002	369,158	15	-	-	10	-7,500	368,657	9	-6,000	369,032	5,80%	7	-5,000	368,974	5,80%	369,031	368,684	-0,348	9	2,500	368,539	-5,80%	10	4,000	368,164	33	4,951	369,114	-0,5	-0,9
717+19,107			33	-7,975	369,421	15	-	-	10	-7,500	368,947	9	-6,000	369,322	5,80%	7	-5,000	369,264	5,80%	369,241	368,974	-0,267	9	2,500	368,829	-5,80%	10	4,000	368,454	33	4,950	369,404	-0,5	-0,9
718+0,000			33	-7,940	369,417	15	-	-	10	-7,500	368,976	9	-6,000	369,351	5,80%	7	-5,000	369,293	5,80%	369,260	369,003	-0,256	9	2,500	368,858	-5,80%	10	4,000	368,483	33	4,974	369,458	-0,4	-1,0
718+12,774			33	-6,000	369,692	15	-	-	10	-	-	9	-6,000	369,807	5,80%	7	-5,000	369,749	5,80%	369,912	369,461	-0,451	9	2,500	369,314	5,80%	10	4,000	368,939	33	4,784	369,722	-	-0,8

4.1.3.8. Ramo 800

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 515+0,000 - Ramo 800

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA															COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA										ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança				Bordo da pista					Terreno Natural	Projeto	Cota vermelha	Acostamento				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.					P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
803+15,713			33	-6,000	368,977	10	-	-	9	-6,000	369,209	5,70%	7	-5,000	369,152	5,70%	368,773	368,867	0,094	9	2,500	368,724	-5,70%	10	4,000	368,349	33	4,442	368,792	-	-0,4
804+0,000			33	-6,000	368,744	10	-	-	9	-6,000	369,110	5,70%	7	-5,000	369,053	5,70%	368,489	368,768	0,279	9	2,500	368,625	-5,70%	10	4,000	368,250	33	4,393	368,643	-	-0,4
804+5,705			33	-8,143	368,494	10	-7,500	368,922	9	-6,000	368,997	5,70%	7	-5,000	368,940	5,70%	368,170	368,655	0,485	9	2,500	368,513	-5,70%	10	4,000	368,438	33	4,062	368,396	0,4	0,0
804+7,721			33	-8,257	368,383	10	-7,500	368,888	9	-6,000	368,963	5,70%	7	-5,000	368,906	5,70%	368,069	368,621	0,552	9	2,500	368,478	-5,70%	10	4,000	368,418	33	4,081	368,349	0,5	0,1
805+0,000			33	-9,480	367,415	10	-7,500	368,735	9	-6,000	368,810	5,70%	7	-5,000	368,753	5,70%	368,373	368,468	0,095	9	2,500	368,326	-5,70%	10	4,000	367,951	33	5,711	369,662	1,3	-1,7
805+5,000		PTV	33	-10,437	366,744	10	-7,500	368,702	9	-6,000	368,777	5,70%	7	-5,000	368,720	5,70%	369,322	368,435	-0,887	9	2,500	368,292	-5,70%	10	4,000	367,917	33	5,670	369,587	2,0	-1,7
805+15,442	CE		33	-11,384	366,060	10	-7,500	368,650	9	-6,000	368,725	5,70%	7	-5,000	368,668	5,70%	369,216	368,383	-0,833	9	2,500	368,240	-5,70%	10	4,000	367,865	33	5,585	369,450	2,6	-1,6
806+0,000			33	-7,939	368,740	10	-7,500	368,301	9	-6,000	368,676	5,27%	7	-5,000	368,623	5,27%	369,163	368,360	-0,803	9	2,500	368,220	-5,27%	10	4,000	367,853	33	5,544	369,397	-0,4	-1,5
807+0,000			33	-7,947	368,534	10	-7,500	368,087	9	-6,000	368,462	3,37%	7	-5,000	368,428	3,37%	368,894	368,260	-0,634	9	2,500	368,132	-5,10%	10	4,000	367,757	33	5,381	369,138	-0,4	-1,4
807+3,863			33	-7,941	368,486	10	-7,500	368,045	9	-6,000	368,420	3,00%	7	-5,000	368,390	3,00%	368,848	368,240	-0,607	9	2,500	368,115	-5,00%	10	4,000	367,740	33	5,351	369,091	-0,4	-1,4
807+14,390			33	-7,894	368,387	10	-7,500	367,993	9	-6,000	368,368	3,00%	7	-5,000	368,338	3,00%	368,751	368,188	-0,563	9	2,500	368,063	-5,00%	10	4,000	367,688	33	5,307	368,995	-0,4	-1,3
808+0,000			33	-7,884	368,349	10	-7,500	367,965	9	-6,000	368,340	3,00%	7	-5,000	368,310	3,00%	368,712	368,160	-0,552	9	2,500	368,035	-5,00%	10	4,000	367,660	33	5,288	368,948	-0,4	-1,3
808+15,442	ET		33	-7,847	368,235	10	-7,500	367,888	9	-6,000	368,263	3,00%	7	-5,000	368,233	3,00%	368,578	368,083	-0,495	9	2,500	367,958	-5,00%	10	4,000	367,583	33	5,224	368,806	-0,3	-1,2
809+0,000			33	-7,819	368,184	10	-7,500	367,865	9	-6,000	368,240	3,00%	7	-5,000	368,210	3,00%	368,526	368,060	-0,466	9	2,500	367,935	-5,00%	10	4,000	367,560	33	5,199	368,759	-0,3	-1,2
810+0,000			33	-7,555	368,028	10	-7,500	368,065	9	-6,000	368,140	3,00%	7	-5,000	368,110	3,00%	368,401	367,960	-0,441	9	2,500	367,835	-5,00%	10	4,000	367,460	33	5,198	368,657	0,0	-1,2
810+7,021			33	-7,566	367,986	10	-7,500	368,030	9	-6,000	368,105	3,00%	7	-5,000	368,075	3,00%	368,359	367,925	-0,434	9	2,500	367,800	-5,00%	10	4,000	367,425	33	5,190	368,615	0,0	-1,2
811+0,000			33	-7,625	367,882	10	-7,500	367,965	9	-6,000	368,040	3,00%	7	-5,000	368,010	3,00%	368,254	367,860	-0,395	9	2,500	367,735	-5,00%	10	4,000	367,360	33	5,134	368,494	0,1	-1,1
811+8,074			33	-7,717	367,780	10	-7,500	367,924	9	-6,000	367,999	3,00%	7	-5,000	367,969	3,00%	368,164	367,819	-0,344	9	2,500	367,694	-5,00%	10	4,000	367,319	33	5,081	368,401	0,1	-1,1
811+16,715		PCV	33	-7,777	367,697	10	-7,500	367,881	9	-6,000	367,956	3,00%	7	-5,000	367,926	3,00%	368,067	367,776	-0,290	9	2,500	367,651	-5,00%	10	4,000	367,276	33	5,013	368,289	0,2	-1,0
812+0,000			33	-7,793	367,670	10	-7,500	367,865	9	-6,000	367,940	3,00%	7	-5,000	367,910	3,00%	368,024	367,760	-0,264	9	2,500	367,635	-5,00%	10	4,000	367,260	33	4,964	368,224	0,2	-1,0
813+0,000			33	-8,029	367,439	10	-7,500	367,792	9	-6,000	367,867	3,00%	7	-5,000	367,837	3,00%	367,761	367,687	-0,074	9	2,500	367,562	-5,00%	10	4,000	367,187	33	4,793	367,980	0,4	-0,8
813+11,619			33	-8,203	367,299	10	-7,500	367,768	9	-6,000	367,843	3,00%	7	-5,000	367,813	3,00%	367,642	367,663	0,020	9	2,500	367,538	-5,00%	10	4,000	367,163	33	4,704	367,866	0,5	-0,7
814+0,000			33	-8,355	367,188	10	-7,500	367,758	9	-6,000	367,833	3,00%	7	-5,000	367,803	3,00%	367,536	367,653	0,118	9	2,500	367,528	-5,00%	10	4,000	367,153	33	4,602	367,755	0,6	-0,6
814+6,715			33	-8,486	367,099	10	-7,500	367,756	9	-6,000	367,831	3,00%	7	-5,000	367,801	3,00%	367,457	367,651	0,194	9	2,500	367,526	-5,00%	10	4,000	367,151	33	4,529	367,681	0,7	-0,5
814+12,671			33	-8,615	367,015	10	-7,500	367,758	9	-6,000	367,833	3,00%	7	-5,000	367,803	3,00%	367,394	367,653	0,259	9	2,500	367,528	-5,00%	10	4,000	367,153	33	4,462	367,615	0,7	-0,5
815+0,000			33	-8,791	366,904	10	-7,500	367,765	9	-6,000	367,840	3,00%	7	-5,000	367,810	3,00%	367,316	367,660	0,345	9	2,500	367,535	-5,00%	10	4,000	367,160	33	4,372	367,532	0,9	-0,4
816+0,000			33	-9,267	366,634	10	-7,500	367,812	9	-6,000	367,887	3,00%	7	-5,000	367,857	3,00%	367,096	367,707	0,610	9	2,500	367,582	-5,00%	10	4,000	367,507	33	4,294	367,311	1,2	0,2
816+4,250	TE		33	-9,382	366,572	10	-7,500	367,827	9	-6,000	367,902	3,00%	7	-5,000	367,872	3,00%	367,040	367,722	0,682	9	2,500	367,597	-5,00%	10	4,000	367,522	33	4,393	367,260	1,3	0,3
816+16,715		PTV	33	-9,735	366,391	10	-7,500	367,881	9	-6,000	367,956	3,00%	7	-5,000	367,926	3,00%	366,872	367,776	0,904	9	2,500	367,651	-5,00%	10	4,000	367,576	33	4,714	367,100	1,5	0,5
817+0,000			33	-9,823	366,349	10	-7,500	367,898	9	-6,000	367,973	3,00%	7	-5,000	367,943	3,00%	366,822	367,793	0,971	9	2,500	367,668	-5,00%	10	4,000	367,593	33	4,813	367,050	1,5	0,5
817+5,303			33	-9,958	366,286	10	-7,500	367,924	9	-6,000	367,999	3,00%	7	-5,000	367,969	3,00%	366,736	367,819	1,083	9	2,500	367,694	-5,00%	10	4,000	367,619	33	4,974	366,970	1,6	0,6
817+15,829			33	-10,285	366,120	10	-7,500	367,977	9	-6,000	368,052	3,00%	7	-5,000	368,022	3,00%	366,570	367,872	1,302	9	2,500	367,747	-5,00%	10	4,000	367,672	33	5,278	366,820	1,9	0,9
818+0,000			33	-10,476	366,037	10	-7,500	368,021	9	-6,000	368,096	3,40%	7	-5,000	368,062	3,40%	366,517	367,893	1,375	9	2,500	367,765	-5,10%	10	4,000	367,690	33	5,319	366,811	2,0	0,9
819+0,000		PCV	33	-11,061	365,862	10	-7,500	368,235	9	-6,000	368,310	5,30%	7	-5,000	368,257	5,30%	366,413	367,993	1,580	9	2,500	367,853	-5,60%	10	4,000	367,778	33	5,620	366,698	2,4	1,1
819+4,250	EC		33	-11,145	365,846	10	-7,500	368,276	9	-6,000	368,351	5,70%	7	-5,000	368,294	5,70%	366,354	368,009	1,655	9	2,500	367,867	-5,70%	10	4,000	367,792	33	5,741	366,631	2,4	1,2
819+9,344			33	-11,168	365,838	10	-7,500	368,283	9	-6,000	368,358	5,70%	7	-5,000	368,301	5,70%	366,330	368,016	1,686	9	2,500	367,874	-5,70%	10	4,000	367,799	33	5,794	366,602	2,4	1,2
820+0,000			33	-11,108	365,847	10	-7,500	368,253	9	-6,000	368,328	5,70%	7	-5,000	368,271	5,70%	366,323	367,986	1,663	9	2,500	367,843	-5,70%	10	4,000	367,768	33	5,791	366,574	2,4	1,2
821+0,000		PTV	33	-10,643	365,936	10	-7,500	368,032	9	-6,000	368,107	5,70%	7	-5,000	368,050	5,70%	366,383	367,765	1,381	9	2,500	367,622	-5,70%	10	4,000	367,547	33	5,402	366,612	2,1	0,9
821+10,000		PCV	33	-10,269	366,022	10	-7,500	367,868	9	-6,000	367,943	5,70%	7	-5,000	367,886	5,70%	366,452	367,601	1,149	9	2,500	367,458	-5,70%	10	4,000	367,383	33	5,081	366,663	1,8	0,7
821+11,852			33	-10,200	366,038	10	-7,500	367,838	9	-6,000	367,913	5,70%	7	-5,000	367,856	5,70%	366,466	367,571	1,105	9	2,500	367,429	-5,70%	10	4,000	367,354	33	5,019	366,675	1,8	0,7
822+0,000			33	-8,960	366,160	10	-7,500	367,735	9	-6,000	367,810	5,70%	7	-5,000	367,753	5,70%	366,542	367,468	0,925	9	2,500	367,325	-5,70%	10	4,000	367,250	33	4,753	366,748	1,6	0,5
822+2,254			33	-8,594	366,201	10	-7,500	367,713	9	-6,000	367,788	5,70%	7	-5,000	367,731	5,70%	366,572	367,446	0,874	9	2,500	367,304	-5,70%	10	4,000	367,229	33	4,688	366,770	1,5	0,5
822+16,244			33	-6,000	366,527	10	-	-	9	-6,000	367,727	5,70%	7	-5,000	367,670	5,70%	366,783	367,385	0,603	9	2,500	367,243	-5,70%	10	4,000	367,168	33	4,348	366,936	-	0,2
822+16,954			33	-6,000	366,539	10	-	-	9	-6,000	367,727	5,70%	7	-5,000	367,670	5,70%	366,784	367,385	0,601	9	2,500	367,243	-5,70%	10	4,000	367,168	33	4,346	366,937	-	0,2

4.1.3.9. BR-262

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — BR-262

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

LADO ESQUERDO – PLATAFORMA ACABADA / COTAS DE EIXO

ESTACA	Elementos do Projeto – Planta	Elementos do Projeto – Perfil	Talude P.	Talude Dist.	Talude Cota	Inicio da Berma / Encontro de Talude P.	Dist.	Cota	Fundo canaleta / Barreira P.	Dist.	Cota	Acostamento P.	Dist.	Cota	Decliv.	Faixa de Aceleração ou Desaceleração P.	Dist.	Cota	Decliv.	Bordo da pista P.	Dist.	Cota	Decliv.	Adequação de Pavimento P.	Dist.	Cota	Terreno Natural	Projeto	Cota vermelha
6+12,309			33	- 7,889	369,929	15	-	-	10	- 7,717	370,044	9	- 6,095	370,125	-3,00%	8	- 3,600	370,200	-3,00%	7	- 3,524	370,202	-	6	-	-	370,324	370,324	0,000
7+0,000			33	- 7,855	369,631	15	-	-	10	- 7,600	369,801	9	- 6,100	369,876	-3,00%	8	- 3,996	369,939	-3,00%	7	- 3,600	369,951	-3,00%	6	- 3,569	369,952	370,048	370,048	0,000
7+13,787			33	- 7,870	369,102	15	-	-	10	- 7,600	369,282	9	- 6,100	369,357	-3,00%	8	- 4,705	369,399	-3,00%	7	- 3,600	369,432	-3,00%	6	- 3,568	369,433	369,555	369,555	0,000
7+17,556			33	- 7,885	368,956	15	-	-	10	- 7,598	369,147	9	- 6,111	369,221	-3,00%	8	- 4,898	369,258	-3,00%	7	- 3,600	369,297	-3,00%	6	- 3,541	369,299	369,421	369,421	0,000
8+0,000			33	- 8,020	368,858	15	-	-	10	- 7,724	369,056	9	- 6,224	369,131	-3,00%	8	- 5,024	369,167	-3,00%	7	- 3,600	369,209	-3,00%	6	- 3,524	369,212	369,334	369,334	0,000
8+11,244		PCV	33	- 8,636	368,417	15	-	-	10	- 8,302	368,639	9	- 6,802	368,714	-3,00%	8	- 5,602	368,750	-3,00%	7	- 3,600	368,810	-3,00%	6	- 3,494	368,814	368,929	368,929	0,000
8+19,034			33	- 9,068	368,111	15	-	-	10	- 8,703	368,354	9	- 7,203	368,429	-3,00%	8	- 6,003	368,465	-3,00%	7	- 3,600	368,537	-3,00%	6	- 3,518	368,540	368,643	368,643	0,000
9+0,000			33	- 9,121	368,073	15	-	-	10	- 8,753	368,319	9	- 7,253	368,394	-3,00%	8	- 6,053	368,430	-3,00%	7	- 3,600	368,504	-3,00%	6	- 3,520	368,506	368,608	368,608	0,000
10+0,000			33	- 10,072	367,358	15	-	-	10	- 9,781	367,551	9	- 8,281	367,626	-3,00%	8	- 7,081	367,662	-3,00%	7	- 3,600	367,767	-3,00%	6	- 3,559	367,768	367,849	367,849	0,000
10+2,309			33	- 10,172	367,278	15	-	-	10	- 9,900	367,460	9	- 8,400	367,535	-3,00%	8	- 7,200	367,571	-3,00%	7	- 3,600	367,679	-3,00%	6	- 3,562	367,680	367,760	367,760	0,000
10+12,842			33	- 10,084	366,945	15	-	-	10	- 9,900	367,067	9	- 8,400	367,142	-3,00%	8	- 7,200	367,178	-3,00%	7	- 3,600	367,286	-3,00%	6	- 3,557	367,287	367,364	367,364	0,000
11+0,000			33	- 10,030	366,718	15	-	-	10	- 9,900	366,807	9	- 8,400	366,882	-3,00%	8	- 7,200	366,918	-3,00%	7	- 3,600	367,026	-3,00%	6	- 3,541	367,027	367,104	367,104	0,000
11+3,787			33	- 10,137	366,605	15	-	-	10	- 9,900	366,369	9	- 8,400	366,744	-3,00%	8	- 7,200	366,780	-3,00%	7	- 3,600	366,888	-3,00%	6	- 3,532	366,890	366,967	366,967	0,000
12+0,000			33	- 10,210	366,026	15	-	-	10	- 9,900	365,716	9	- 8,400	366,091	-3,00%	8	- 7,200	366,127	-3,00%	7	- 3,600	366,235	-3,00%	6	- 3,461	366,240	366,336	366,336	0,000
12+9,787			33	- 10,057	365,513	15	-	-	10	- 9,901	365,618	9	- 8,401	365,693	-3,00%	8	- 7,201	365,729	-3,00%	7	- 3,600	365,837	-3,00%	6	- 3,430	365,842	365,950	365,950	0,000
12+14,440		PTV	33	- 10,169	365,262	15	-	-	10	- 9,901	365,441	9	- 8,401	365,516	-3,00%	8	- 7,201	365,552	-3,00%	7	- 3,600	365,660	-3,00%	6	- 3,445	365,665	365,773	365,773	0,000
12+16,400		PCV	33	- 10,216	365,156	15	-	-	10	- 9,901	365,367	9	- 8,401	365,442	-3,00%	8	- 7,201	365,478	-3,00%	7	- 3,600	365,586	-3,00%	6	- 3,451	365,590	365,699	365,699	0,000
13+0,000			33	- 10,303	364,962	15	-	-	10	- 9,901	365,230	9	- 8,401	365,305	-3,00%	8	- 7,201	365,341	-3,00%	7	- 3,600	365,449	-3,00%	6	- 3,463	365,453	365,562	365,562	0,000
14+0,000			33	- 10,344	364,221	15	-	-	10	- 9,901	364,516	9	- 8,401	364,591	-3,00%	8	- 7,201	364,627	-3,00%	7	- 3,600	364,735	-3,00%	6	- 3,444	364,740	364,875	364,875	0,000
14+1,400			33	- 10,325	364,185	15	-	-	10	- 9,901	364,468	9	- 8,401	364,543	-3,00%	8	- 7,201	364,591	-3,00%	7	- 3,600	364,687	-3,00%	6	- 3,440	364,691	364,828	364,828	0,000
14+2,315			33	- 10,312	364,162	15	-	-	10	- 9,901	364,436	9	- 8,401	364,511	-3,00%	8	- 7,201	364,547	-3,00%	7	- 3,600	364,655	-3,00%	6	- 3,437	364,660	364,798	364,798	0,000
15+0,000			33	- 10,393	363,700	15	-	-	10	- 10,008	363,956	9	- 8,508	364,031	-3,00%	8	- 7,308	364,067	-3,00%	7	- 3,600	364,178	-3,00%	6	- 3,529	364,180	364,288	364,288	0,000
15+6,400		PTV	33	- 10,561	363,527	15	-	-	10	- 10,165	363,790	9	- 8,665	363,865	-3,00%	8	- 7,465	363,901	-3,00%	7	- 3,600	364,017	-3,00%	6	- 3,516	364,020	364,105	364,105	0,000
16+0,000			33	- 11,104	363,283	15	-	-	10	- 10,903	363,417	9	- 9,403	363,492	-3,00%	8	- 8,203	363,528	-3,00%	7	- 3,600	363,666	-3,00%	6	- 3,495	363,669	363,758	363,758	0,000
16+0,552			33	- 11,143	363,271	15	-	-	10	- 10,947	363,402	9	- 9,447	363,477	-3,00%	8	- 8,247	363,513	-3,00%	7	- 3,600	363,652	-3,00%	6	- 3,492	363,655	363,744	363,744	0,000
16+2,459			33	- 11,260	363,249	15	-	-	10	- 11,111	363,347	9	- 9,611	363,422	-3,00%	8	- 8,411	363,458	-3,00%	7	- 3,600	363,603	-3,00%	6	- 3,480	363,606	363,696	363,696	0,000
16+11,341		PCV	33	- 12,434	363,144	15	-	-	10	- 12,104	362,814	9	- 10,604	363,189	-3,00%	8	- 9,404	363,225	-3,00%	7	- 3,600	363,399	-3,00%	6	- 3,448	363,403	363,492	363,492	0,000
16+12,210			33	- 12,564	363,133	15	-	-	10	- 12,223	362,792	9	- 10,723	363,167	-3,00%	8	- 9,523	363,203	-3,00%	7	- 3,600	363,381	-3,00%	6	- 3,447	363,386	363,473	363,473	0,000
17+0,000			33	- 13,966	363,063	15	-	-	10	- 13,497	362,594	9	- 11,997	362,969	-3,00%	8	- 10,797	363,005	-3,00%	7	- 3,600	363,221	-3,00%	6	- 3,435	363,226	363,309	363,309	0,000
17+9,470			33	- 12,899	362,941	15	-	-	10	-	-	9	- 12,901	362,605	-4,29%	8	-	-	-	7	- 3,600	363,004	-3,00%	6	- 3,419	363,010	363,115	363,115	0,000
17+11,083			33	- 6,101	362,884	15	-	-	10	-	-	9	- 6,101	362,961	-1,12%	8	-	-	-	7	- 3,600	362,989	-3,00%	6	- 1,800	363,043	363,085	363,085	0,000
18+0,000			33	- 6,100	362,738	15	-	-	10	-	-	9	- 6,100	362,702	-5,00%	8	-	-	-	7	- 3,600	362,827	-3,00%	6	- 1,800	362,881	362,919	362,919	0,000
18+0,115	PI		33	- 6,100	362,737	15	-	-	10	-	-	9	- 6,100	362,700	-5,00%	8	-	-	-	7	- 3,600	362,825	-3,00%	6	- 1,800	362,879	362,917	362,917	0,000
18+4,608			33	- 7,963	362,609	15	-	-	10	- 7,600	362,247	9	- 6,100	362,622	-5,00%	8	-	-	-	7	- 3,600	362,747	-3,00%	6	- 1,800	362,801	362,832	362,832	0,000
18+7,075			33	- 7,933	362,542	15	-	-	10	- 7,600	362,209	9	- 6,100	362,584	-5,00%	8	-	-	-	7	- 3,600	362,709	-3,00%	6	- 1,800	362,763	362,796	362,796	0,000
19+0,000			33	- 7,855	362,292	15	-	-	10	- 7,600	362,037	9	- 6,100	362,412	-5,00%	8	-	-	-	7	- 3,600	362,537	-3,00%	6	- 1,800	362,591	362,646	362,646	0,000
19+4,229			33	- 7,857	362,244	15	-	-	10	- 7,600	361,987	9	- 6,100	362,362	-5,00%	8	-	-	-	7	- 3,600	362,487	-3,00%	6	- 1,800	362,541	362,596	362,596	0,000
20+0,000			33	- 8,107	362,013	15	-	-	10	- 7,825	362,201	9	- 6,325	362,276	-5,00%	8	-	-	-	7	- 3,825	362,401	-3,00%	6	- 2,025	362,467	362,531	362,531	0,000
20+2,810		PTV	33	- 8,199	361,962	15	-	-	10	- 7,866	362,184	9	- 6,366	362,259	-5,00%	8	-	-	-	7	- 3,866	362,384	-3,00%	6	- 2,065	362,438	362,526	362,526	0,000
21+0,000			33	- 9,213	361,388	15	-	-	10	- 8,111	362,122	9	- 6,611	362,197	-5,00%	8	-	-	-	7	- 4,111	362,322	-3,00%	6	- 2,311	362,376	362,478	362,478	0,000
22+0,000			33	- 10,247	360,852	15	-	-	10	- 8,397	362,086	9	- 6,897	362,161	-5,00%	8	-	-	-	7	- 4,397	362,286	-3,00%	6	- 2,597	362,340	362,428	362,428	0,000
22+8,522		PCV	33	- 10,461	360,767	15	-	-	10	- 8,519	360,062	9	- 7,019	362,137	-5,00%	8	-	-	-	7	- 4,519	362,262	-3,00%	6	- 2,718	362,315	362,405	362,405	0,000
23+0,000			33	- 10,516	360,799	15	-	-	10	- 8,683	362,021	9	- 7,183	362,096	-5,00%	8	-	-	-	7	- 4,683	362,221	-3,00%	6	- 2,882	362,275	362,364	362,364	0,000
23+19,521			33	- 10,392	361,013	15	-	-	10	- 8,961	361,966	9	- 7,461	362,041	-5,00%	8	-	-	-	7	- 4,961	362,166	-3,00%	6	- 3,161	362,220	362,323	362,323	0,000
24+0,000			33	- 10,389	361,018	15	-	-	10	- 8,968	361,965	9	- 7,468	362,040	-5,00%	8	-	-	-	7	- 4,968	362,165	-3,00%	6	- 3,168	362,219	362,322	362,322	0,000
24+9,242			33	- 10,433	361,065	15	-	-	10	- 9,100	361,954	9	- 7,600	362,029	-5,00%	8	-	-	-	7	- 5,100	362,154	-3,00%	6	- 3,300	362,208	362,317	362,317	0,000
24+10,032			33	- 10,540	361,010	15	-	-	10	- 9,111	361,962	9	- 7,611	362,037	-5,00%	8	-	-	-	7	- 5,111	362,162	-3,00%	6	- 1,511	362,270	362,320	362,320	0,000
24+12,904			33	- 10,004	359,850	15	- 10,004	361,405	10	- 9,152	361,972	9	- 7,652	362,047	-5,00%	8	-	-	-	7	- 5,152	362,172	-3,00%	6	- 1,552	362,280	362,331	362,331	0,000
24+18,894			33	- 7,738	361,594	15	-	-	10	-	-	9	- 7,738	362,068	-5,00%	8	-	-	-	7	- 5,238	362,193	-3,00%	6	- 1,638	362,301	362,354	362,354	0,000
25+0,000			33	- 10,191	360,364	15	-	-	10	-	-	9	- 10,191	362,154	-0,88%	8	-	-	-	7	- 5,254	362,197	-3,00%	6	- 1,654	362,305	362,358	362,358	0,000
25+2,351			33	- 15,554	360,398	15	-	-	10	-	-	9	- 15,554	361,920	-2,78%	8	-	-	-	7	- 5,287	362,205	-3,00%	6	- 1,687	362,313	362,367	362,367	0,000
25+5,831			33	- 20,395	360,950	15	-	-	10	- 19,162	361,773	9	- 17,662	361,848	-3,00%	8	- 15,129	361,924	-3,00%	7	- 5,337	362,217	-3,00%	6	- 1,737	362,325	362,379	362,379	0,000
25+12,545			33	- 18,277	360,850	15	-	-	10	- 16,743	361,874	9	- 15,243	361,949	-3,00%	8	- 13,063	362,014	-3,00%	7	- 5,433	362,243	-3,00%	6	- 1,833	362,351	362,410	362,410	0,000
26+0,000			33	- 16,726	360,791	15	-	-	10	- 14,986	361,951	9	- 13,486	362,026	-3,00%	8	- 11,578	362,095	-3,00%	7	- 5,539	362,264	-3,00%	6	- 1,939	362,372	362,444	362,444	0,000
26+16,598			33	- 14,919	360,947	15	-	-	10	- 13,257	362,054	9	- 11,757	362,129	-3,00%	8	- 10,284	362,174	-3,00%	7	- 5,777	362,309	-3,00%	6	- 2,176	362,417	362,509	362,509	0,000
26+19,647			33	- 14,808	360,940	15	-	-	10	- 13,097	362,081	9	- 11,597	362,156	-3,00%	8	- 10,232	362,197	-3,00%	7	- 5,820	362,329	-3,00%	6	- 2,220	362,437	362,518	362,518	0,000
27+0,000			33	- 14,798	360,940	15	-	-	10	- 13,082	362,084	9	- 11,582	362,159	-3,00%	8	- 10,228	362,199	-3,00%	7	- 5,825	362,331	-3,00%	6	- 2,225	362,439	362,519	362,519	0,000
27+7,399			33	- 14,716	360,931	15	-	-	10	- 12,900	362,141	9	- 11,400	362,216	-3,00%	8	- 10,200	362,252	-3,00%	7	- 5,931	362,380	-3,00%	6	- 2,331	362,488	362,540	362,540	0,000
28+0,000			33	- 14,839	360,937	15	-	-	10	- 12,900	362,230	9	- 11,400	362,305	-3,00%	8	- 10,200	362,341	-3,00%	7	- 6,111	362,464	-3,00%	6	- 2,511	362,572	362,633	362,633	0,000
28+16,568		PTV	33	- 14,665	361,182	15	-	-	10	- 12,900	362,359	9	- 11,400	362,434	-3,00%	8	- 10,200	362,470	-3,00%	7	- 6,348	362,586	-3,00%	6	- 2,747	362,694	362,770	362,770	0,000
29+0,000			33	- 14,594	361,257	15	-	-	10	- 12,900	362,386	9	- 11,400	362,461	-3,00%	8	- 10,200	362,497	-3,00%	7	- 6,397	362,611	-3,00%	6	- 2,797	362,719	362,801	362,801	0,000
29+5,349			33	- 14,483	361,372	15	-	-	10	- 12,900	362,427	9	- 11,400	362,502	-3,00%	8	- 10,200	362,538	-3,00%	7	- 6,473	362,650	-3,00%	6	- 2,873	362,758	362,850	362,850	0,000
29+8,674			33	- 14,364	361,480	15	-	-	10	- 12,900	362,456	9	- 11,400	362,531	-3,00%	8	- 10,200	362,567	-3,00%	7	- 6,520	362,677	-3,00%	6	- 2,920	362,785	362,880	362,880	0,000
29+11,116			33	- 14,260	361,567	15	-	-	10	- 12,900	362,474	9	- 11,400	362,549	-3,00%	8	- 10,200	362,585	-3,00%	7	- 6,555	362,694	-3,00%	6	- 2,955	362,802	362,902	362,902	0,000
30+0,000			33	- 13,882	361,885	15	-	-	10	- 12,900	362,539	9	- 11,400	362,614	-3,00%	8	- 10,200	362,650	-3,00%	7	- 6,600	362,758	-3,00%	6	- 3,000	362,866	362,981	362,981	0,000
30+17,643			33	- 13,457	362,284	15	-	-	10	- 12,900	362,655	9	- 11,400	362,730	-3,00%	8	- 10,200	362,778	-3,00%	7	- 6,556	362,875	-3,00%	6	- 2,956	362,983	363,090	363,090	0,000
31+0,000			33	- 13,416	362,326	15	-	-	10	- 12,900	362,670	9	- 11,400	362,745	-3,00%	8	- 10,200	362,781	-3,00%	7	- 6,522	362,891	-3,00%	6	- 2,922	362,999	363,112	363,112	0,000
31+1,352			33	- 13,392	362,351	15	-	-	10	- 12,900	362,679	9	- 11,400	362,754	-3,00%	8	- 10,200	362,790	-3,00%	7	- 6,503	362,901	-3,00%	6	- 2,903	363,009	363,124	363,124	0,000
31+5,979		PCV	33	- 13,395	362,432	15	-	-	10	- 12,977	362,710	9	- 11,477	362,785	-3,00%	8	- 10,211	362,823	-3,00%	7	- 6,436	362,937	-3,00%	6	- 2,836	363,045	363,166	363,166	0,000
32+0,000			33	- 14,000	362,791	15	-	-	10	- 13,874	362,875	9	- 12,374	362,950	-3,00%	8	- 10,632	363,002	-3,00%	7	- 6,236	363,134	-3,00%	6	- 2,636	363,242	363,357	363,357	0,000
33+0,000			33	- 18,573	363,303	15	-	-	10	- 18,011	363,741	9	- 16,511	363,116	-3,00%	8	- 14,130	363,187	-3,00%	7	- 5,950	363,433	-3,00%	6	- 2,350	363,540	363,623	363,623	0,000
33+5,607			33	- 16,221	363,473	15	-	-	10	-	-	9	- 16,222	363,310	-2,06%	8	-	-	-	7	- 5,870	363,524	-3,00%	6	- 2,270	363,632	363,694	363,694	0,000
33+8,184			33	- 10,210	363,497	15	-	-	10	-	-	9	- 10,210	363,572	0,12%	8	-	-	-	7	- 5,834	363,567	-3,00%	6	- 2,233	363,675	363,732	363,732	0,000
33+8,753			33	- 9,425	363,521	15	-	-	10	-	-	9	- 9,425	363,470	-3,00%	8	-	-	-	7	- 5,825	363,578	-3,00%	6	- 2,225	363,686	363,743	363,743	0,000
33+16,826			33	- 10,219	363,742	15	-	-	10	- 9,710	363,233	9	- 8,210	363,608	-5,00%	8	-	-	-	7	- 5,710	363,733	-3,00%	6	- 2,110	363,841	363,910	363,910	0,000
34+0,000			33	- 10,177	363,806	15	-	-	10	- 9,665	363,293	9	- 8,165	363,668	-5,00%	8	-	-	-	7	- 5,665	363,793	-3,00%	6	- 2,063	363,901	363,975	363,975	0,000
35+0,000			33	- 10,035	364,450	15	-	-	10	- 9,379	363,794	9	- 7,879	364,169	-5,00%	8	-	-	-	7	- 5,379	364,294	-3,00%	6	- 1,779	364,402	364,449	364,449	0,000
35+2,493			33	- 10,028	364,543	15	-	-	10	- 9,343	363,859	9	- 7,843	364,234	-5,00%	8	-	-	-	7	- 5,343	364,359	-3,00%	6	- 1,743	364,467	364,513	364,513	0,000
35+13,050			33	- 9,896	364,871	15	-	-	10	- 9,193	364,167	9	- 7,693	364,542	-5,00%	8	-	-	-	7	- 5,193	364,667	-3,00%	6	- 1,593	364,775	364,812	364,812	0,000
35+15,999			33	- 9,845	364,957	15	-	-	10	- 9,150	364,262	9	- 7,650	364,637	-5,00%	8	-	-	-	7	- 5,150	364,762	-3,00%	6	- 1,550	364,870	364,904	364,904	0,000
35+16,485			33	- 9,830	364,971	15	-	-	10	- 9,143	364,285	9	- 7,643	364,660	-5,00%	8	-	-	-	7	- 5,143	364,785	-3,00%	6	- 3,343	364,839	364,919	364,919	0,000
35+19,572			33	- 9,777	365,061	15	-	-	10	- 9,100	364,384	9	- 7,600	364,759	-5,00%	8	-	-	-	7	- 5,100	364,884	-3,00%	6	- 3,299	364,938	365,015	365,015	0,000
36+0,000			33	- 9,769	365,074	15	-	-	10	- 9,094	364,773	9	- 7,594	364,773	-5,00%	8	-	-	-	7	- 5,094	364,898	-3,00%	6	- 3,294	364,952	362,028	362,028	0,000
36+2,533			33	- 9,716	365,139	15	-	-	10	- 9,057	364,480	9	- 7,557	364,855	-5,00%	8	-	-	-	7	- 5,057	364,980	-3,00%	6	- 3,257	365,034	365,106	365,106	0,000
36+7,210		PTV	33	- 9,641	365,281	15	-	-	10	- 8,991	364,631	9	- 7,491	365,006	-5,00%	8	-	-	-	7	- 4,991	365,131	-3,00%	6	- 3,190	365,185	365,251	365,251	0,000
37+0,000			33	- 9,681	365,908	15	-	-	10	- 8,808	365,033	9	- 7,308	365,408	-5,00%	8	-	-	-	7	- 4,808	365,533	-3,00%	6	- 3,008	365,587	365,661	365,661	0,000
37+12,586		PCV	33	- 9,422	366,223	15	-	-	10	- 8,628	365,429	9	- 7,128	365,804	-5,00%	8	-	-	-	7	- 4,628	365,929	-3,00%	6	- 2,828	365,983	366,060	366,060	0,000
38+0,000			33	- 9,266	366,408	15	-	-	10	- 8,522	365,665	9	- 7,022	366,040	-5,00%	8	-	-	-	7	- 4,522	366,165	-3,00%	6	- 2,722	366,219	366,293	366,293	0,000
38+12,586			33	- 9,068	366,806	15	-	-	10	- 8,342	366,080	9	- 6,842	366,455	-5,00%	8	-	-	-	7	- 4,342	366,580	-3,00%	6	- 2,542	366,634	366,706	366,706	0,000
39+0,000			33	- 8,926	367,023	15	-	-	10	- 8,237	366,333	9	- 6,737	366,708	-5,00%	8	-	-	-	7	- 4,237	366,833	-3,00%	6	- 2,436	366,887	366,963	366,963	0,000
39+12,586		PTV	33	- 8,584	367,297	15	-	-	10	- 8,057	366,770	9	- 6,557	367,145	-5,00%	8	-	-	-	7	- 4,057	367,270	-3,00%	6	- 2,256	367,324	367,386	367,386	0,000
40+0,000			33	- 8,301	367,375	15	-	-	10	- 7,951	367,025	9	- 6,451	367,400	-5,00%	8	-	-	-	7	- 3,951	367,525	-3,00%	6	- 2,151	367,579	367,624	367,624	0,000
41+0,000			33	- 7,743	368,016	15	-	-	10	- 7,665	368,067	9	- 6,165	368,142	-5,00%	8	-	-	-	7	- 3,665	368,267	-3,03%	6	- 1,885	368,321	368,378	368,378	0,000
41+4,504			33	- 7,660	368,194	15	-	-	10	- 7,601	368,234	9	- 6,101	368,309	-5,00%	8	-	-	-	7	- 3,601	368,434	-3,00%	6	- 1,800	368,488	368,559	368,559	0,000
41+16,194			33	- 7,641	368,616	15	-	-	10	- 7,600	368,643	9	- 6,100	368,718	-5,00%	8	-	-	-	7	- 3,600	368,843	-3,00%	6	- 3,410	368,849	368,982	368,982	0,000
42+0,000			33	- 6,100	368,844	15	-	-	10	-	-	9	- 6,100	368,861	-5,00%	8	-	-	-	7	- 3,600	368,985	-3,00%	6	- 3,403	368,992	369,113	369,113	0,000
42+6,614			33	- 6,100	369,090	15	-	-	10	-	-	9	- 6,100	369,109	-5,00%	8	-	-	-	7	- 3,600	369,234	-3,00%	6	- 3,392	369,240	369,342	369,342	0,000
42+8,390			33	- 13,889	368,773	15	-	-	10	-	-	9	- 13,889	368,867	-4,20%	8	-	-	-	7	- 3,600	369,299	-3,00%	6	- 3,389	369,306	369,406	369,406	0,000
42+10,661			33	- 17,593	368,797	15	-	-	10	- 17,389	368,933	9	- 15,889	369,008	-3,00%	8	- 13,312	369,085	-3,00%	7	- 3,600	369,377	-3,00%	6	- 3,389	369,383	369,485	369,485	0,000
43+0,000			33	- 15,870	368,935	15	-	-	10	- 15,303	369,313	9	- 13,803	369,388	-3,00%	8	- 11,257	369,464	-3,00%	7	- 3,600	369,694	-3,00%	6	- 3,389	369,700	369,813	369,813	0,000
43+4,926			33	- 15,054	369,074	15	-	-	10	- 14,405	369,507	9	- 12,905	369,582	-3,00%	8	- 10,379	369,658	-3,00%	7	- 3,600	369,861	-3,00%	6	- 3,389	369,868	369,986	369,986	0,000
43+6,459			33	- 14,793	369,131	15	-	-	10	- 14,139	369,567	9	- 12,639	369,642	-3,00%	8	- 10,135	369,717	-3,00%	7	- 3,600	369,913	-3,00%	6	- 3,389	369,920	370,040	370,040	0,000
44+0,000			33	- 12,954	369,638	15	-	-	10	- 12,246	370,110	9	- 10,746	370,185	-3,00%	8	- 8,492	370,253	-3,00%	7	- 3,600	370,400	-3,00%	6	- 3,396	370,406	370,536	370,536	0,000
44+5,795	PI		33	- 12,411	369,852	15	-	-	10	- 11,684	370,336	9	- 10,184	370,411	-3,00%	8	- 8,033	370,476	-3,00%	7	- 3,600	370,609	-3,00%	6	- 3,400	370,615	370,749	370,749	0,000
45+0,000			33	- 10,969	370,813	15	-	-	10	- 10,727	370,571	9	- 9,227	370,946	-3,00%	8	- 7,402	371,001	-3,00%	7	- 3,600	371,115	-3,00%	6	- 3,390	371,121	371,247	371,247	0,000

LADO DIREITO – PLATAFORMA ACABADA / ALTURAS DOS TALUDES

ESTACA	Adequação de Pavimento P.	Dist.	Cota	Bordo da pista P.	Dist.	Cota	Decliv.	Faixa de Aceleração ou Desaceleração P.	Dist.	Cota	Decliv.	Acostamento P.	Dist.	Cota	Decliv.	Fundo canaleta / Barreira P.	Dist.	Cota	Talude P.	Dist.	Cota	LE	LD
6+12,309	6	-	-	7	-	-	-	8	-	-	-	9	-	-	-	10	-	-	33	-	-	0,1	-
7+0,000	6	-	-	7	-	-	-	8	-	-	-	9	-	-	-	10	-	-	33	-	-	0,2	-
7+13,787	6	3,317	369,444	7	3,600	369,435	-3,00%	8	-	-	-	9	6,100	369,310	-5,00%	10	7,600	368,935	33	8,127	369,462	0,2	-0,5
7+17,556	6	3,314	369,307	7	3,600	369,298	-3,00%	8	3,794	369,293	-3,00%	9	6,100	369,223	-3,00%	10	7,600	368,848	33	8,058	369,307	0,2	-0,5
8+0,000	6	3,312	369,218	7	3,600	369,210	-3,00%	8	3,920	369,200	-3,00%	9	6,100	369,135	-3,00%	10	7,600	368,760	33	8,050	369,210	0,2	-0,4
8+11,244	6	3,291	368,811	7	3,600	368,801	-3,00%	8	4,498	368,774	-3,00%	9	6,100	368,726	-3,00%	10	7,600	368,351	33	8,014	368,766	0,2	-0,4
8+19,034	6	3,265	368,528	7	3,600	368,518	-3,00%	8	4,898	368,479	-3,00%	9	6,100	368,443	-3,00%	10	7,600	368,068	33	7,990	368,458	0,2	-0,4
9+0,000	6	3,262	368,493	7	3,600	368,482	-3,00%	8	4,948	368,442	-3,00%	9	6,150	368,406	-3,00%	10	7,650	368,031	33	8,044	368,425	0,2	-0,4
10+0,000	6	3,301	367,740	7	3,600	367,731	-3,00%	8	5,977	367,660	-3,00%	9	7,178	367,624	-3,00%	10	8,678	367,249	33	9,077	367,647	0,2	-0,4
10+2,309	6	3,312	367,651	7	3,600	367,643	-3,00%	8	6,095	367,568	-3,00%	9	7,297	367,532	-3,00%	10	8,797	367,157	33	9,189	367,549	0,2	-0,4
10+12,842	6	3,331	367,247	7	3,600	367,239	-3,00%	8	6,637	367,148	-3,00%	9	7,839	367,112	-3,00%	10	9,339	366,737	33	9,745	367,143	0,1	-0,4
11+0,000	6	3,321	366,973	7	3,600	366,964	-3,00%	8	7,005	366,862	-3,00%	9	8,207	366,826	-3,00%	10	9,707	366,451	33	10,093	366,837	0,1	-0,4
11+3,787	6	3,315	366,828	7	3,600	366,819	-3,00%	8	7,200	366,711	-3,00%	9	8,400	366,675	-3,00%	10	9,900	366,600	33	9,964	366,557	-0,2	0,0
12+0,000	6	3,318	366,192	7	3,600	366,183	-3,00%	8	7,200	366,075	-3,00%	9	8,400	366,039	-3,00%	10	9,900	365,964	33	9,998	365,899	-0,3	0,1
12+9,787	6	3,336	365,811	7	3,600	365,803	-3,00%	8	7,200	365,695	-3,00%	9	8,400	365,659	-3,00%	10	9,900	365,584	33	9,978	365,532	0,1	0,1
12+14,440	6	3,363	365,640	7	3,600	365,632	-3,00%	8	7,204	365,524	-3,00%	9	8,506	365,485	-3,00%	10	10,006	365,410	33	10,069	365,368	0,2	0,0
12+16,400	6	3,375	365,568	7	3,600	365,561	-3,00%	8	7,207	365,453	-3,00%	9	8,559	365,412	-3,00%	10	10,059	365,337	33	10,114	365,300	0,2	0,0
13+0,000	6	3,396	365,435	7	3,600	365,429	-3,00%	8	7,220	365,320	-3,00%	9	8,669	365,277	-3,00%	10	10,169	365,202	33	10,207	365,177	0,3	0,0
14+0,000	6	3,406	364,749	7	3,600	364,743	-3,00%	8	7,711	364,620	-3,00%	9	9,575	364,564	-3,00%	10	11,075	364,189	33	11,539	364,654	0,3	-0,5
14+1,400	6	3,403	364,703	7	3,600	364,697	-3,00%	8	7,785	364,571	-3,00%	9	9,657	364,515	-3,00%	10	11,157	364,140	33	11,645	364,628	0,3	-0,5
14+2,315	6	3,401	364,673	7	3,600	364,667	-3,00%	8	7,837	364,540	-3,00%	9	9,712	364,483	-3,00%	10	11,212	364,108	33	11,715	364,611	0,3	-0,5
15+0,000	6	3,348	364,169	7	3,600	364,162	-3,00%	8	9,556	363,983	-3,00%	9	11,869	363,914	-3,00%	10	13,369	363,539	33	13,846	364,016	0,3	-0,5
15+6,400	6	3,452	363,992	7	3,600	363,988	-3,00%	8	10,584	363,778	-3,00%	9	13,073	363,703	-3,00%	10	14,573	363,328	33	14,931	363,687	0,3	-0,4
16+0,000	6	3,447	363,632	7	3,600	363,628	-3,00%	8	-	-	-	9	15,810	362,937	-5,70%	10	-	-	33	15,810	363,243	0,1	-0,3
16+0,552	6	3,446	363,618	7	3,600	363,613	-3,00%	8	-	-	-	9	13,856	363,053	-5,46%	10	-	-	33	13,856	363,150	0,1	-0,1
16+2,459	6	3,444	363,567	7	3,600	363,563	-3,00%	8	-	-	-	9	7,110	363,359	-5,80%	10	-	-	33	7,110	363,204	0,1	0,2
16+11,341	6	3,446	363,355	7	3,600	363,350	-3,00%	8	-	-	-	9	6,100	363,225	-5,00%	10	7,600	363,150	33	7,718	363,072	-0,3	0,1
16+12,210	6	3,447	363,336	7	3,600	363,332	-3,00%	8	-	-	-	9	6,100	363,207	-5,00%	10	7,600	363,132	33	7,710	363,058	-0,3	0,1
17+0,000	6	3,460	363,170	7	3,600	363,165	-3,00%	8	-	-	-	9	6,100	363,040	-5,00%	10	7,600	362,965	33	7,643	362,937	-0,5	0,0
17+9,470	6	3,472	362,980	7	3,600	362,977	-3,00%	8	-	-	-	9	6,100	362,852	-5,00%	10	7,600	362,777	33	7,633	362,755	-0,3	0,0
17+11,083	6	3,471	362,957	7	3,600	362,953	-3,00%	8	-	-	-	9	6,100	362,828	-5,00%	10	7,600	362,753	33	7,679	362,700	0,1	0,1
18+0,000	6	3,464	362,827	7	3,600	362,823	-3,00%	8	-	-	-	9	6,100	362,698	-5,00%	10	7,600	362,623	33	7,933	362,401	0,0	0,2
18+0,115	6	3,466	362,825	7	3,600	362,821	-3,00%	8	-	-	-	9	6,100	362,696	-5,00%	10	7,600	362,621	33	7,936	362,397	0,0	0,2
18+4,608	6	3,468	362,759	7	3,600	362,755	-3,00%	8	-	-	-	9	6,100	362,630	-5,00%	10	7,600	362,555	33	8,064	362,246	-0,4	0,3
18+7,075	6	3,473	362,726	7	3,600	362,722	-3,00%	8	-	-	-	9	6,100	362,597	-5,00%	10	7,600	362,522	33	8,140	362,163	-0,3	0,4
19+0,000	6	3,517	362,570	7	3,600	362,568	-3,00%	8	-	-	-	9	6,100	362,443	-5,00%	10	7,600	362,068	33	7,833	362,301	-0,3	-0,2
19+4,229	6	1,800	362,558	7	3,600	362,504	-3,00%	8	-	-	-	9	6,100	362,379	-5,00%	10	7,600	362,004	33	7,918	362,322	-0,3	-0,3
20+0,000	6	2,025	362,485	7	3,825	362,431	-3,00%	8	-	-	-	9	6,325	362,306	-5,00%	10	7,825	361,931	33	8,039	362,144	0,2	-0,2
20+2,810	6	2,065	362,474	7	3,866	362,419	-3,00%	8	-	-	-	9	6,366	362,294	-5,00%	10	8,049	362,102	33	8,049	362,102	0,2	-0,2
21+0,000	6	2,311	362,389	7	4,111	362,335	-3,00%	8	-	-	-	9	6,611	362,210	-5,00%	10	8,111	362,135	33	9,262	361,368	0,7	0,8
22+0,000	6	2,597	362,305	7	4,397	362,251	-3,00%	8	-	-	-	9	6,897	362,126	-5,00%	10	8,397	362,051	33	10,626	360,565	1,2	1,5
22+8,522	6	2,718	362,296	7	4,519	362,230	-3,00%	8	-	-	-	9	7,019	362,105	-5,00%	10	8,519	362,030	33	10,948	360,410	-0,7	1,6
23+0,000	6	2,882	362,254	7	4,683	362,200	-3,00%	8	-	-	-	9	7,183	362,075	-5,00%	10	8,683	362,000	33	11,493	360,126	1,2	1,9
23+19,521	6	3,161	362,200	7	4,961	362,146	-3,00%	8	-	-	-	9	7,461	362,021	-5,00%	10	8,961	361,946	33	12,415	359,644	1,0	2,3
24+0,000	6	3,168	362,199	7	4,968	362,145	-3,00%	8	-	-	-	9	7,468	362,020	-5,00%	10	8,968	361,945	33	12,438	359,632	0,9	2,3
24+9,242	6	3,300	362,181	7	5,100	362,127	-3,00%	8	-	-	-	9	7,600	362,002	-5,00%	10	9,100	361,927	33	12,695	359,531	0,9	2,4
24+10,032	6	3,311	362,182	7	5,111	362,128	-3,00%	8	-	-	-	9	7,611	362,003	-5,00%	10	9,111	361,928	33	12,713	359,526	1,0	2,4
24+12,904	6	3,352	362,178	7	5,152	362,124	-3,00%	8	-	-	-	9	7,652	361,999	-5,00%	10	9,152	361,924	33	12,769	359,514	2,1	2,4
24+18,894	6	3,438	362,172	7	5,238	362,118	-3,00%	8	-	-	-	9	7,738	361,993	-5,00%	10	9,238	361,918	33	12,508	359,738	0,5	2,2
25+0,000	6	3,454	362,171	7	5,254	362,117	-3,00%	8	-	-	-	9	7,754	361,992	-5,00%	10	9,254	361,917	33	12,330	359,865	1,8	2,1
25+2,351	6	3,487	362,168	7	5,287	362,114	-3,00%	8	-	-	-	9	7,787	361,989	-5,00%	10	9,287	361,914	33	11,952	360,137	1,5	1,8
25+5,831	6	1,737	362,278	7	5,337	362,170	-3,00%	8	-	-	-	9	7,837	362,045	-5,00%	10	9,337	361,970	33	11,732	360,373	0,8	1,6
25+12,545	6	1,833	362,294	7	5,433	362,186	-3,00%	8	-	-	-	9	7,933	362,061	-5,00%	10	9,433	361,986	33	11,937	360,317	1,0	1,7
26+0,000	6	1,939	362,326	7	5,539	362,218	-3,00%	8	-	-	-	9	8,039	362,093	-5,00%	10	9,539	362,018	33	12,199	360,245	1,2	1,8
26+16,598	6	2,176	362,414	7	5,776	362,306	-3,00%	8	-	-	-	9	8,276	362,181	-5,00%	10	-	-	33	8,276	361,189	1,1	1,0
26+19,647	6	2,220	362,432	7	5,820	362,324	-3,00%	8	-	-	-	9	16,189	361,966	-3,45%	10	-	-	33	16,189	359,851	1,1	2,1
27+0,000	6	2,225	362,434	7	5,825	362,326	-3,00%	8	-	-	-	9	17,045	361,920	-3,62%	10	-	-	33	17,045	359,803	1,1	2,1
27+7,399	6	2,331	362,453	7	5,931	362,345	-3,00%	8	13,566	362,116	-3,00%	9	15,876	362,047	-3,00%	10	17,376	361,972	33	20,710	359,749	1,2	2,2
28+0,000	6	2,511	362,538	7	6,111	362,430	-3,00%	8	11,191	362,277	-3,01%	9	13,060	362,221	-3,00%	10	14,560	362,146	33	17,750	360,020	1,3	2,1
28+16,568	6	2,747	362,663	7	6,348	362,555	-3,00%	8	10,241	362,438	-3,01%	9	11,642	362,396	-3,00%	10	13,142	362,321	33	16,361	360,176	1,2	2,1
29+0,000	6	2,796	362,691	7	6,397	362,583	-3,00%	8	10,213	362,468	-3,01%	9	11,506	362,429	-3,00%	10	13,006	362,354	33	16,154	360,256	1,1	2,1
29+5,349	6	2,873	362,735	7	6,473	362,627	-3,00%	8	10,200	362,515	-3,01%	9	11,400	362,479	-3,00%	10	12,900	362,404	33	15,933	360,382	1,1	2,0
29+8,674	6	2,920	362,758	7	6,520	362,650	-3,00%	8	10,200	362,540	-2,99%	9	11,400	362,504	-3,00%	10	12,900	362,429	33	15,850	360,462	1,0	2,0
29+11,116	6	2,955	362,776	7	6,555	362,668	-3,00%	8	10,200	362,558	-3,02%	9	11,400	362,522	-3,00%	10	12,900	362,447	33	15,789	360,521	0,9	1,9
30+0,000	6	3,000	362,848	7	6,600	362,740	-3,00%	8	10,200	362,632	-3,00%	9	11,400	362,596	-3,00%	10	12,900	362,521	33	15,579	360,735	0,7	1,8
30+17,643	6	2,956	363,001	7	6,556	362,893	-3,00%	8	10,200	362,784	-2,99%	9	11,400	362,748	-3,00%	10	12,900	362,673	33	15,035	361,249	0,4	1,4
31+0,000	6	2,922	363,023	7	6,522	362,915	-3,00%	8	10,200	362,804	-3,02%	9	11,400	362,768	-3,00%	10	12,900	362,693	33	14,945	361,330	0,3	1,4
31+1,352	6	2,902	363,035	7	6,503	362,927	-3,00%	8	10,200	362,816	-3,00%	9	11,400	362,780	-3,00%	10	12,900	362,705	33	14,894	361,376	0,3	1,3
31+5,979	6	2,836	363,079	7	6,436	362,971	-3,00%	8	10,200	362,858	-3,00%	9	11,400	362,822	-3,00%	10	12,900	362,747	33	14,718	361,535	0,3	1,2
32+0,000	6	2,636	363,278	7	6,236	363,170	-3,00%	8	10,200	363,051	-3,00%	9	11,400	363,015	-3,00%	10	12,900	362,940	33	14,213	362,064	0,1	0,9
33+0,000	6	2,350	363,557	7	5,950	363,449	-3,00%	8	10,200	363,321	-3,01%	9	11,400	363,285	-3,00%	10	12,900	363,210	33	13,411	362,870	0,4	0,3
33+5,607	6	2,270	363,636	7	5,870	363,528	-3,00%	8	10,200	363,398	-3,00%	9	11,400	363,362	-3,00%	10	12,900	363,287	33	13,190	363,093	-0,2	0,2
33+8,184	6	2,234	363,675	7	5,834	363,567	-3,00%	8	10,200	363,436	-3,00%	9	11,400	363,400	-3,00%	10	12,900	363,325	33	13,097	363,194	0,1	0,1
33+8,753	6	2,225	363,687	7	5,825	363,579	-3,00%	8	10,200	363,448	-2,99%	9	11,404	363,412	-3,00%	10	12,904	363,337	33	13,087	363,215	-0,1	0,1
33+16,826	6	2,110	363,860	7	5,710	363,752	-3,00%	8	10,243	363,616	-3,00%	9	11,638	363,574	-3,00%	10	13,138	363,199	33	13,431	363,492	-0,5	-0,3
34+0,000	6	2,065	363,928	7	5,665	363,820	-3,00%	8	10,311	363,681	-2,99%	9	11,820	363,635	-3,00%	10	13,320	363,260	33	13,655	363,595	-0,5	-0,3
35+0,000	6	1,779	364,404	7	5,379	364,296	-3,00%	8	12,369	364,086	-3,00%	9	14,401	364,025	-3,00%	10	15,901	363,650	33	16,382	364,130	-0,7	-0,5
35+2,493	6	1,743	364,465	7	5,343	364,357	-3,00%	8	12,929	364,129	-3,01%	9	15,068	364,065	-3,00%	10	16,568	363,690	33	17,053	364,175	-0,7	-0,5
35+13,050	6	3,392	364,688	7	5,193	364,634	-3,00%	8	-	-	-	9	16,463	364,316	-2,82%	10	-	-	33	16,463	364,572	-0,7	-0,3
35+15,999	6	3,350	364,774	7	5,150	364,720	-3,00%	8	-	-	-	9	9,803	364,626	-2,02%	10	-	-	33	9,803	364,994	-0,7	-0,4
35+16,485	6	3,343	364,788	7	5,143	364,734	-3,00%	8	8,743	364,626	-3,00%	9	9,243	364,611	-3,00%	10	10,743	364,236	33	11,489	364,981	-0,7	-0,7
35+19,572	6	3,299	364,878	7	5,100	364,824	-3,00%	8	-	-	-	9	7,600	364,699	-5,00%	10	-	-	33	7,600	364,714	-0,7	0,0
36+0,000	6	3,293	364,890	7	5,094	364,836	-3,00%	8	-	-	-	9	7,594	364,711	-5,00%	10	-	-	33	7,594	364,727	-0,3	0,0
36+2,533	6	3,257	364,964	7	5,057	364,910	-3,00%	8	-	-	-	9	7,557	364,785	-5,00%	10	9,057	364,410	33	3,898	365,251	-0,7	-0,8
36+7,210	6	3,190	365,099	7	4,991	365,045	-3,00%	8	-	-	-	9	7,491	364,920	-5,00%	10	8,991	364,545	33	9,861	365,416	-0,7	-0,9
37+0,000	6	3,008	365,517	7	4,808	365,463	-3,00%	8	-	-	-	9	7,308	365,338	-5,00%	10	8,808	364,963	33	9,821	365,976	-0,9	-1,0
37+12,586	6	2,828	365,928	7	4,628	365,874	-3,00%	8	-	-	-	9	7,128	365,749	-5,00%	10	8,628	365,374	33	9,524	366,269	-0,8	-0,9
38+0,000	6	2,722	366,167	7	4,522	366,113	-3,00%	8	-	-	-	9	7,022	365,988	-5,00%	10	8,522	365,613	33	9,306	366,397	-0,7	-0,8
38+12,586	6	2,542	366,596	7	4,342	366,542	-3,00%	8	-	-	-	9	6,842	366,417	-5,00%	10	8,432	366,042	33	8,990	366,689	-0,7	-0,6
39+0,000	6	2,436	366,872	7	4,237	366,818	-3,00%	8	-	-	-	9	6,737	366,693	-5,00%	10	8,237	366,318	33	8,813	366,895	-0,7	-0,6
39+12,586	6	2,256	367,316	7	4,057	367,262	-3,00%	8	-	-	-	9	6,557	367,137	-5,00%	10	8,057	366,762	33	8,567	367,272	-0,5	-0,5
40+0,000	6	2,151	367,580	7	3,951	367,526	-3,00%	8	-	-	-	9	6,451	367,401	-5,00%	10	7,951	367,026	33	8,412	367,488	-0,4	-0,5
41+0,000	6	1,865	368,325	7	3,665	368,271	-3,00%	8	-	-	-	9	6,165	368,146	-5,00%	10	7,665	368,071	33	7,762	368,007	0,1	0,1
41+4,504	6	1,800	368,506	7	3,601	368,452	-3,00%	8	-	-	-	9	6,101	368,327	-5,00%	10	7,601	368,252	33	7,766	368,142	0,0	0,1
41+16,194	6	3,522	368,877	7	3,600	368,875	-3,00%	8	-	-	-	9	6,100	368,750	-5,00%	10	7,600	368,675	33	7,678	368,623	0,0	0,1
42+0,000	6	3,501	369,013	7	3,600	369,010	-3,00%	8	-	-	-	9	6,100	368,885	-5,00%	10	7,600	368,510	33	7,922	368,832	0,0	-0,3
42+6,614	6	3,463	369,249	7	3,600	369,245	-3,00%	8	-	-	-	9	6,100	369,120	-5,00%	10	7,600	368,745	33	8,010	369,155	0,0	-0,4
42+8,390	6	3,461	369,310	7	3,600	369,306	-3,00%	8	-	-	-	9	6,100	369,161	-5,00%	10	7,600	368,806	33	8,013	369,219	0,1	-0,4
42+10,661	6	3,463	369,387	7	3,600	369,382	-3,00%	8	-	-	-	9	6,100	369,267	-5,00%	10	7,600	368,882	33	8,002	369,285	0,1	-0,4
43+0,000	6	3,472	369,701	7	3,600	369,697	-3,00%	8	-	-	-	9	6,100	369,572	-5,00%	10	-	-	33	6,100	369,565	0,4	0,0
43+4,926	6	3,475	369,867	7	3,600	369,863	-3,00%	8	-	-	-	9	6,100	369,738	-5,00%	10	-	-	33	6,100	369,742	0,4	0,0
43+6,459	6	3,476	369,919	7	3,600	369,915	-3,00%	8	-	-	-	9	12,923	369,458	-4,90%	10	-	-	33	12,922	369,912	0,4	-0,5
44+0,000	6	3,478	370,408	7	3,600	370,404	-3,00%	8	10,212	370,206	-3,00%	9	12,732	370,130	-3,00%	10	14,254	369,750	33	14,716	370,213	0,5	-0,5
44+5,795	6	3,478	370,617	7	3,600	370,614	-3,00%	8	9,388	370,440	-3,00%	9	11,814	370,367	-3,00%	10	13,331	369,988	33	13,815	370,473	0,5	-0,5
45+0,000	6	3,446	371,130	7	3,600	371,126	-3,00%	8	8,023	370,993	-3,00%	9	10,034	370,933	-3,00%	10	11,542	370,556	33	12,238	371,252	-0,2	-0,7

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — BR-262

ESTACA	Elementos do Projeto: Planta	Elementos do Projeto: Perfil	LADO ESQUERDO – PLATAFORMA ACABADA: Talude P.	Talude Dist.	Talude Cota	Início da Berma / Encontro de Talude P.	Dist.	Cota	Fundo canaleta / Barreira P.	Dist.	Cota	Acostamento P.	Dist.	Cota	Declív.	Faixa de Aceleração ou Desaceleração P.	Dist.	Cota	Declív.	Bordo da pista P.	Dist.	Cota	Declív.	Adequação de Pavimento P.	Dist.	Cota	COTAS DE EIXO: Terreno Natural	Projeto	Cota vermelha	LADO DIREITO – PLATAFORMA ACABADA: Adequação de Pavimento P.	Dist.	Cota	Bordo da pista P.	Dist.	Cota	Declív.	Faixa de Aceleração ou Desaceleração P.	Dist.	Cota	Declív.	Acostamento P.	Dist.	Cota	Declív.	Fundo canaleta / Barreira P.	Dist.	Cota	Talude P.	Dist.	Cota	ALTURAS DOS TALUDES: LE	LD
46+0,000			33	-10,482	371,837	15	-	-	10	-9,965	371,320	9	-8,465	371,695	-3,00%	8	-7,202	371,733	-3,00%	7	-3,600	371,841	-3,00%	6	-3,404	371,847	371,964	371,964	0,000	6	3,427	371,831	7	3,600	371,826	-3,00%	8	7,280	371,716	-3,00%	9	8,672	371,674	-3,00%	10	10,173	371,299	33	10,949	372,074	-0,5	-0,8
46+3,555			33	-10,445	371,997	15	-	-	10	-9,900	371,452	9	-8,400	371,827	-3,00%	8	-7,200	371,863	-3,00%	7	-3,600	371,971	-3,00%	6	-3,409	371,977	372,093	372,093	0,000	6	3,426	371,954	7	3,600	371,949	-3,00%	8	7,239	371,840	-3,00%	9	8,550	371,800	-3,00%	10	10,051	371,425	33	10,847	372,221	-0,5	-0,8
46+16,910			33	-10,361	372,390	15	-	-	10	-9,900	371,929	9	-8,400	372,304	-3,00%	8	-7,200	372,340	-3,00%	7	-3,600	372,448	-3,00%	6	-3,425	372,453	372,555	372,555	0,000	6	3,452	372,428	7	3,600	372,424	-3,00%	8	7,200	372,316	-3,00%	9	8,400	372,280	-3,00%	10	9,900	371,905	33	10,679	372,683	-0,5	-0,8
47+0,000			33	-10,336	372,474	15	-	-	10	-9,900	372,038	9	-8,400	372,413	-3,00%	8	-7,200	372,449	-3,00%	7	-3,600	372,557	-3,00%	6	-3,428	372,562	372,660	372,660	0,000	6	3,463	372,540	7	3,600	372,536	-3,00%	8	7,200	372,428	-3,00%	9	8,400	372,392	-3,00%	10	9,900	372,017	33	10,652	372,769	-0,4	-0,8
47+9,555			33	-10,297	372,772	15	-	-	10	-9,900	372,375	9	-8,400	372,750	-3,00%	8	-7,200	372,786	-3,00%	7	-3,600	372,894	-3,00%	6	-3,438	372,899	372,987	372,987	0,000	6	3,496	372,886	7	3,600	372,883	-3,00%	8	7,200	372,775	-3,00%	9	8,400	372,739	-3,00%	10	9,900	372,364	33	10,570	373,033	-0,4	-0,7
48+0,000			33	-9,692	373,086	15	-	-	10	-9,364	372,758	9	-7,864	373,133	-3,00%	8	-6,663	373,170	-3,00%	7	-3,600	373,261	-3,00%	6	-3,450	373,266	373,374	373,374	0,000	6	3,461	373,255	7	3,600	373,251	-3,00%	8	7,200	373,143	-3,00%	9	8,400	373,107	-3,00%	10	9,900	372,732	33	10,492	373,324	-0,3	-0,6
49+0,000			33	-8,418	373,748	15	-	-	10	-8,338	373,802	9	-6,836	373,877	-3,00%	8	-5,634	373,913	-3,00%	7	-3,600	373,974	-3,00%	6	-3,493	373,977	374,086	374,086	0,000	6	3,464	373,984	7	3,600	373,980	-3,00%	8	7,200	373,872	-3,00%	9	8,400	373,836	-3,00%	10	9,900	373,461	33	10,333	373,893	0,1	-0,4
49+9,014		PCV	33	-7,886	374,127	15	-	-	10	-7,874	374,135	9	-6,372	374,210	-3,00%	8	-5,171	374,246	-3,00%	7	-3,600	374,293	-3,00%	6	-3,520	374,295	374,397	374,397	0,000	6	3,482	374,319	7	3,600	374,315	-3,00%	8	7,200	374,207	-3,00%	9	8,400	374,171	-3,00%	10	9,900	373,796	33	10,244	374,140	0,0	-0,3
49+14,308			33	-7,915	374,321	15	-	-	10	-7,600	374,007	9	-6,100	374,382	-3,00%	8	-4,898	374,418	-3,00%	7	-3,600	374,457	-3,00%	6	-3,542	374,458	374,576	374,576	0,000	6	3,443	374,500	7	3,600	374,495	-3,00%	8	7,200	374,387	-3,00%	9	8,400	374,351	-3,00%	10	9,900	373,976	33	10,275	374,351	-0,3	-0,4
50+0,000			33	-7,940	374,523	15	-	-	10	-7,600	374,183	9	-6,100	374,558	-3,00%	8	-4,606	374,603	-3,00%	7	-3,600	374,633	-3,00%	6	-3,565	374,634	374,769	374,769	0,000	6	3,402	374,695	7	3,600	374,689	-3,00%	8	7,200	374,581	-3,00%	9	8,400	374,545	-3,00%	10	9,900	374,170	33	10,366	374,636	-0,3	-0,5
50+3,176			33	-7,950	374,631	15	-	-	10	-7,600	374,281	9	-6,100	374,656	-3,00%	8	-4,442	374,706	-3,00%	7	-3,600	374,731	-3,00%	6	-3,578	374,732	374,876	374,876	0,000	6	3,379	374,803	7	3,600	374,797	-3,00%	8	7,200	374,689	-3,00%	9	8,400	374,653	-3,00%	10	9,900	374,278	33	10,421	374,799	-0,3	-0,5
50+16,910		PTV	33	-7,480	374,705	15	-	-	10	-7,000	375,025	9	-6,100	375,070	-3,00%	8	-3,736	375,141	-3,00%	7	-3,600	375,145	-3,00%	6	-3,576	375,146	375,289	375,289	0,000	6	3,328	375,206	7	3,600	375,198	-3,00%	8	7,200	375,090	-3,00%	9	8,400	375,054	-3,00%	10	9,303	374,828	33	10,007	375,533	0,3	-0,7
50+19,555			33	-7,704	374,635	15	-	-	10	-7,000	375,104	9	-6,100	375,149	-3,00%	8	-	-	-	7	-3,600	375,224	-3,00%	6	-3,572	375,225	375,364	375,364	0,000	6	3,322	375,278	7	3,600	375,270	-3,00%	8	7,064	375,166	-3,00%	9	8,266	375,130	-3,00%	10	9,167	374,905	33	9,507	375,245	0,5	-0,3
51+0,000			33	-	-	15	-	-	10	-	-	9	-	-	-	8	-	-	-	7	-	-	-	6	-	-	375,376	375,376	0,000	6	3,291	375,291	7	3,600	375,282	-3,00%	8	7,041	375,179	-3,00%	9	8,243	375,143	-3,00%	10	9,144	374,917	33	9,398	375,172	-	-0,3
52+0,000			33	-	-	15	-	-	10	-	-	9	-	-	-	8	-	-	-	7	-	-	-	6	-	-	375,916	375,916	0,000	6	3,329	375,790	7	3,600	375,782	-3,00%	8	6,013	375,710	-3,00%	9	7,214	375,674	-3,00%	10	8,115	375,629	33	12,056	373,002	-	2,6
53+0,000			33	-	-	15	-	-	10	-	-	9	-	-	-	8	-	-	-	7	-	-	-	6	-	-	376,435	376,435	0,000	6	3,357	376,277	7	3,600	376,270	-3,00%	8	4,984	376,228	-3,00%	9	6,186	376,192	-3,00%	10	7,087	376,147	33	7,200	376,072	-	0,1
53+1,663			33	-	-	15	-	-	10	-	-	9	-	-	-	8	-	-	-	7	-	-	-	6	-	-	376,486	376,486	0,000	6	3,359	376,318	7	3,600	376,311	-3,00%	8	4,898	376,272	-3,00%	9	6,100	376,236	-3,00%	10	7,000	376,191	33	7,116	376,113	-	0,1
54+0,000			33	-	-	15	-	-	10	-	-	9	-	-	-	8	-	-	-	7	-	-	-	6	-	-	377,019	377,019	0,000	6	3,378	376,849	7	3,600	376,843	-3,00%	8	3,955	376,832	-3,00%	9	6,100	376,768	-3,00%	10	7,000	376,723	33	7,300	376,523	-	0,2
54+4,001		PCV	33	-	-	15	-	-	10	-	-	9	-	-	-	8	-	-	-	7	-	-	-	6	-	-	377,132	377,132	0,000	6	3,382	376,974	7	3,600	376,968	-3,00%	8	3,750	376,963	-3,00%	9	6,100	376,893	-3,00%	10	7,000	376,848	33	7,256	376,677	-	0,2
54+6,910			33	-	-	15	-	-	10	-	-	9	-	-	-	8	-	-	-	7	-	-	-	6	-	-	377,215	377,215	0,000	6	3,385	377,065	7	3,600	377,058	-3,00%	8	-	-	-	9	6,100	376,983	-3,00%	10	7,000	376,938	33	7,167	376,827	-	0,1

4.1.4.Interseção Est.719+0,000

4.1.4.1. Ramo 100

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 719+0,000 - Ramo 100

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																	COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA															ALTURAS DOS TALUDES	
			Talude			Início da Berma / Encontro de Talude			Fundo canaleta			Faixa de segurança				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Acostamento				Fundo canaleta			Início da Berma / Encontro de Talude			Fim da Berma			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota		
102+8,482			33	-7,500	319,686	15	-	-	10	-	-	9	-7,500	328,843	6,00%	7	-6,500	328,783	6,00%	319,664	328,393	8,729	9	2,467	328,245	-6,00%	10	3,967	328,170	15	15,967	320,170	16	19,967	320,570	33	21,221	319,734	-	8,4
102+10,000	EC		33	-7,500	319,696	15	-	-	10	-	-	9	-7,500	328,797	6,00%	7	-6,500	328,737	6,00%	319,669	328,347	8,678	9	2,500	328,197	-6,00%	10	4,000	328,122	15	16,000	320,122	16	20,000	320,522	33	21,180	319,735	-	8,4
103+0,000			33	-26,513	319,773	15	-	-	10	-9,000	328,381	9	-7,500	328,456	6,00%	7	-6,500	328,396	6,00%	319,696	328,006	8,311	9	2,500	327,856	-6,00%	10	4,000	327,781	15	16,000	319,781	16	20,000	320,181	33	20,684	319,726	8,6	8,1
104+0,000		PTV	33	-20,511	319,828	15	-	-	10	-9,000	327,501	9	-7,500	327,576	6,00%	7	-6,500	327,516	6,00%	319,735	327,126	7,392	9	2,500	326,976	-6,00%	10	4,000	326,901	15	-	-	16	-	-	33	14,790	319,708	7,7	7,2
105+0,000			33	-19,007	319,818	15	-	-	10	-9,000	326,489	9	-7,500	326,564	6,00%	7	-6,500	326,504	6,00%	319,775	326,114	6,339	9	2,500	325,964	-6,00%	10	4,000	325,889	15	-	-	16	-	-	33	13,243	319,727	6,7	6,2
106+0,000			33	-17,563	319,768	15	-	-	10	-9,000	325,477	9	-7,500	325,552	6,00%	7	-6,500	325,492	6,00%	319,731	325,102	5,371	9	2,500	324,952	-6,00%	10	4,000	324,877	15	-	-	16	-	-	33	11,799	319,678	5,7	5,2
107+0,000			33	-11,527	319,365	15	-11,527	322,780	10	-9,000	324,464	9	-7,500	324,539	6,00%	7	-6,500	324,479	6,00%	319,475	324,089	4,615	9	2,500	323,939	-6,00%	10	4,000	323,864	15	-	-	16	-	-	33	10,435	319,575	5,1	4,3
107+7,992			33	-10,542	319,497	15	-10,542	323,032	10	-9,000	324,060	9	-7,500	324,135	6,00%	7	-6,500	324,075	10,62%	319,577	323,385	3,808	9	2,500	323,535	6,00%	10	4,000	323,460	15	-	-	16	-	-	33	9,723	319,645	4,6	3,8
107+9,193			33	-10,463	319,517	15	-10,463	323,023	10	-9,000	323,999	9	-7,500	324,074	6,00%	7	-6,500	324,014	6,00%	319,593	323,624	4,031	9	2,500	323,474	-6,00%	10	4,000	323,399	15	-	-	16	-	-	33	9,620	319,652	4,5	3,7
108+0,000			33	-10,560	319,703	15	-10,560	322,412	10	-9,000	323,452	9	-7,500	323,527	6,00%	7	-6,500	323,467	6,00%	319,722	323,077	3,356	9	2,500	322,927	-6,00%	10	4,000	322,852	15	-	-	16	-	-	33	8,688	319,727	3,7	3,1
108+17,500		PCV	33	-13,057	319,861	15	-	-	10	-9,000	322,566	9	-7,500	322,641	6,00%	7	-6,500	322,581	6,00%	319,873	322,191	2,318	9	2,500	322,041	-6,00%	10	4,000	321,966	15	-	-	16	-	-	33	7,165	319,856	2,7	2,1
109+0,000			33	-12,857	319,871	15	-	-	10	-9,000	322,442	9	-7,500	322,517	6,00%	7	-6,500	322,457	6,00%	319,894	322,067	2,172	9	2,500	321,917	-6,00%	10	4,000	321,842	15	-	-	16	-	-	33	6,951	319,875	2,6	2,0
110+0,000			33	-11,662	319,818	15	-	-	10	-9,000	321,593	9	-7,500	321,668	6,00%	7	-6,500	321,608	6,00%	319,924	321,218	1,294	9	2,500	321,068	-6,00%	10	4,000	320,993	15	-	-	16	-	-	33	5,528	319,974	1,8	1,0
111+0,000			33	-11,308	319,467	15	-	-	10	-9,000	321,006	9	-7,500	321,081	6,00%	7	-6,500	321,021	6,00%	319,428	320,631	1,203	9	2,500	320,481	-6,00%	10	4,000	320,406	15	-	-	16	-	-	33	5,280	319,553	1,5	0,9
111+4,054			33	-11,123	319,504	15	-	-	10	-9,000	320,919	9	-7,500	320,994	6,00%	7	-6,500	320,934	6,00%	319,386	320,544	1,158	9	2,500	320,394	-6,00%	10	4,000	320,319	15	-	-	16	-	-	33	5,340	319,425	1,4	0,9
112+0,000			33	-10,944	319,240	15	-	-	10	-9,000	320,536	9	-7,500	320,611	4,07%	7	-6,500	320,570	4,07%	319,519	320,306	0,787	9	2,500	320,181	-5,00%	10	4,000	320,106	15	-	-	16	-	-	33	4,945	319,476	1,3	0,6
112+5,984	CE		33	-10,612	319,360	15	-	-	10	-9,000	320,435	9	-7,500	320,510	3,34%	7	-6,500	320,477	3,34%	319,447	320,259	0,812	9	2,500	320,134	-5,00%	10	4,000	320,059	15	-	-	16	-	-	33	4,797	319,528	-	0,5
112+12,952			33	-7,500	319,189	15	-	-	10	-	-	9	-7,500	320,422	2,50%	7	-6,500	320,397	2,50%	319,304	320,235	0,931	9	2,370	320,116	-5,01%	10	3,870	320,041	15	-	-	16	-	-	33	4,724	319,472	-	0,6

4.1.4.2. Ramo 200

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 719+0,000 - Ramo 200

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																				COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA										ALTURAS DOS TALUDES	
			Talude			Fim da Berma			Início da Berma / Encontro de Talude			Fundo canaleta / Barreira			Faixa de segurança/Concordância de pista				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Acostamento				Fundo canaleta / Barreira			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
202+4,153			33	- 7,500	319,177	16	-	-	15	-	-	10	-	-	9	- 7,500	320,368	2,50%	7	- 6,500	320,343	2,50%	318,917	320,181	1,263	9	2,370	320,062	-5,00%	10	3,870	319,987	33	4,821	319,353	-	0,6
202+10,000	EC		33	- 7,500	318,987	16	-	-	15	-	-	10	-	-	9	- 7,500	320,452	3,18%	7	- 6,500	320,420	3,18%	319,184	320,213	1,029	9	2,500	320,088	-5,00%	10	4,000	320,013	33	4,797	319,482	-	0,5
203+0,000			33	- 11,519	318,889	16	-	-	15	-	-	10	- 9,000	320,568	9	- 7,500	320,643	4,35%	7	- 6,500	320,599	4,35%	319,525	320,316	0,792	9	2,500	320,191	-5,00%	10	4,000	320,116	33	4,822	319,569	1,7	0,5
203+14,112			33	- 11,116	319,531	16	-	-	15	-	-	10	- 9,000	320,942	9	- 7,500	321,017	6,00%	7	- 6,500	320,957	6,00%	319,449	320,567	1,118	9	2,500	320,417	-6,00%	10	4,000	320,342	33	5,361	319,435	1,4	0,9
203+15,000			33	- 11,156	319,525	16	-	-	15	-	-	10	- 9,000	320,962	9	- 7,500	321,037	6,00%	7	- 6,500	320,977	6,00%	319,444	320,587	1,144	9	2,500	320,437	-6,00%	10	4,000	320,362	33	5,403	319,427	1,4	0,9
204+0,000			33	- 11,397	319,485	16	-	-	15	-	-	10	- 9,000	321,083	9	- 7,500	321,158	6,00%	7	- 6,500	321,098	6,00%	319,409	320,708	1,299	9	2,500	320,558	-6,00%	10	4,000	320,483	33	5,664	319,374	1,6	1,1
205+0,000			33	- 12,497	319,389	16	-	-	15	-	-	10	- 9,000	321,720	9	- 7,500	321,795	6,00%	7	- 6,500	321,735	6,00%	319,305	321,345	2,041	9	2,500	321,195	-6,00%	10	4,000	321,120	33	6,789	319,261	2,3	1,9
206+0,000		PTV	33	- 11,574	319,339	16	-	-	15	- 11,574	320,888	10	- 9,000	322,603	9	- 7,500	322,678	6,00%	7	- 6,500	322,618	6,00%	319,272	322,228	2,956	9	2,500	322,078	-6,00%	10	4,000	322,003	33	8,090	319,277	3,3	2,7
206+17,628			33	- 9,917	319,317	16	-	-	15	- 9,917	322,879	10	- 9,000	323,490	9	- 7,500	323,577	6,00%	7	- 6,500	323,517	6,00%	319,352	323,115	3,763	9	2,500	322,965	-6,00%	10	4,000	322,890	33	9,318	319,345	4,2	3,5
207+0,000			33	- 9,991	319,315	16	-	-	15	- 9,991	322,948	10	- 9,000	323,609	9	- 7,500	323,684	6,00%	7	- 6,500	323,624	6,00%	319,351	323,234	3,883	9	2,500	323,084	-6,00%	10	4,000	323,009	33	9,484	319,353	4,3	3,7
208+0,000			33	- 13,608	319,409	16	-	-	15	- 13,608	321,544	10	- 9,000	324,615	9	- 7,500	324,690	6,00%	7	- 6,500	324,630	6,00%	319,382	324,240	4,859	9	2,500	324,090	-6,00%	10	4,000	324,015	33	11,022	319,334	5,2	4,7
209+0,000			33	- 18,278	319,436	16	-	-	15	-	-	10	- 9,000	325,621	9	- 7,500	325,696	6,00%	7	- 6,500	325,636	6,00%	319,235	325,246	6,011	9	2,500	325,096	-6,00%	10	4,000	325,021	33	12,617	319,277	6,2	5,7
210+0,000			33	- 20,013	319,285	16	-	-	15	-	-	10	- 9,000	326,627	9	- 7,500	326,702	6,00%	7	- 6,500	326,642	6,00%	319,249	326,252	7,003	9	2,500	326,102	-6,00%	10	4,000	326,027	33	14,184	319,238	7,3	6,8
210+5,000		PCV	33	- 20,325	319,329	16	-	-	15	-	-	10	- 9,000	326,879	9	- 7,500	326,954	6,00%	7	- 6,500	326,894	6,00%	319,288	326,504	7,216	9	2,500	326,354	-6,00%	10	4,000	326,279	33	14,579	319,226	7,5	7,1
211+0,000			33	- 26,018	319,289	16	- 25,000	319,968	15	- 21,000	319,568	10	- 9,000	327,568	9	- 7,500	327,643	6,00%	7	- 6,500	327,583	6,00%	319,242	327,193	7,951	9	2,500	327,043	-6,00%	10	4,000	326,968	33	15,623	319,219	8,3	7,7
211+5,255	CE		33	- 7,500	319,237	16	-	-	15	-	-	10	-	-	9	- 7,500	327,854	6,00%	7	- 6,500	327,794	6,00%	319,218	327,404	8,185	9	2,500	327,254	-6,00%	10	4,000	327,179	33	15,935	319,222	-	8,0
211+8,651			33	- 7,500	319,252	16	-	-	15	-	-	10	-	-	9	- 7,500	327,981	6,00%	7	- 6,500	327,921	6,00%	319,206	327,531	8,325	9	2,500	327,381	-6,00%	10	4,000	327,306	33	16,122	319,224	-	8,1

4.1.4.3. Ramo 300

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 719+0,000 - Ramo 300

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																				COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA															ALTURAS DOS TALUDES	
			Talude			Fim da Berma			Início da Berma / Encontro de Talude			Fundo canaleta / Barreira			Faixa de segurança				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Acostamento				Fundo canaleta / Barreira			Início da Berma / Encontro de Talude			Fim da Berma			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota		
302+8,484			33	-7,500	319,202	16	-	-	15	-	-	10	-	-	9	-7,500	328,393	6,00%	7	-6,500	328,333	6,00%	319,214	327,943	8,729	9	2,470	327,795	-6,00%	10	3,970	327,720	15	-	-	16	-	-	33	21,170	319,320	-	8,4
302+10,000	EC		33	-7,500	319,209	16	-	-	15	-	-	10	-	-	9	-7,500	328,352	6,00%	7	-6,500	328,292	6,00%	319,230	327,902	8,672	9	2,500	327,752	-6,00%	10	4,000	327,677	15	16,000	319,677	16	20,000	320,077	33	21,127	319,326	-	8,4
302+15,000			33	-26,888	319,277	16	-25,000	320,535	15	-21,000	320,135	10	-9,000	328,135	9	-7,500	328,210	6,00%	7	-6,500	328,150	6,00%	319,284	327,760	8,476	9	2,500	327,610	-6,00%	10	4,000	327,535	15	16,000	319,535	16	20,000	319,935	33	20,887	319,344	8,9	8,2
303+0,000			33	-26,613	319,307	16	-25,000	320,382	15	-21,000	319,982	10	-9,000	327,982	9	-7,500	328,057	6,00%	7	-6,500	327,997	6,00%	319,339	327,607	8,269	9	2,500	327,457	-6,00%	10	4,000	327,382	15	16,000	319,382	16	20,000	319,782	33	20,630	319,362	8,7	8,0
304+0,000			33	-20,986	319,274	16	-	-	15	-	-	10	-9,000	327,265	9	-7,500	327,340	6,00%	7	-6,500	327,280	6,00%	319,380	326,890	7,509	9	2,500	326,740	-6,00%	10	4,000	326,665	15	-	-	16	-	-	33	14,823	319,449	8,0	7,2
305+0,000			33	-19,586	319,318	16	-	-	15	-	-	10	-9,000	326,375	9	-7,500	326,450	6,00%	7	-6,500	326,390	6,00%	319,379	326,000	6,621	9	2,500	325,850	-6,00%	10	4,000	325,775	15	-	-	16	-	-	33	13,752	319,274	7,1	6,5
305+5,000		PTV	33	-19,165	319,350	16	-	-	15	-	-	10	-9,000	326,126	9	-7,500	326,201	6,00%	7	-6,500	326,141	6,00%	319,262	325,751	6,489	9	2,500	325,601	-6,00%	10	4,000	325,526	15	-	-	16	-	-	33	13,507	319,188	6,8	6,3
306+0,000			33	-17,556	319,210	16	-	-	15	-17,556	319,659	10	-9,000	325,363	9	-7,500	325,438	6,00%	7	-6,500	325,378	6,00%	319,208	324,988	5,780	9	2,500	324,838	-6,00%	10	4,000	324,763	15	-	-	16	-	-	33	12,333	319,208	6,2	5,6
307+0,000			33	-12,175	319,420	16	-	-	15	-12,175	322,229	10	-9,000	324,346	9	-7,500	324,421	6,00%	7	-6,500	324,361	6,00%	319,393	323,971	4,578	9	2,500	323,821	-6,00%	10	4,000	323,746	15	-	-	16	-	-	33	10,558	319,373	4,9	4,4
307+7,992			33	-11,528	319,390	16	-	-	15	-11,528	322,253	10	-9,000	323,939	9	-7,500	324,014	6,00%	7	-6,500	323,954	6,00%	319,351	323,564	4,213	9	2,500	323,414	-6,00%	10	4,000	323,339	15	-	-	16	-	-	33	9,996	319,341	4,5	4,0
308+0,000			33	-12,042	319,335	16	-	-	15	-12,042	321,300	10	-9,000	323,328	9	-7,500	323,403	6,00%	7	-6,500	323,343	6,00%	319,288	322,953	3,665	9	2,500	322,803	-6,00%	10	4,000	322,728	15	-	-	16	-	-	33	9,152	319,293	4,0	3,4
308+15,000		PCV	33	-13,928	319,279	16	-	-	15	-	-	10	-9,000	322,565	9	-7,500	322,640	6,00%	7	-6,500	322,580	6,00%	319,229	322,190	2,961	9	2,500	322,040	-6,00%	10	4,000	321,965	15	-	-	16	-	-	33	8,095	319,235	3,3	2,7
309+0,000			33	-13,601	319,251	16	-	-	15	-	-	10	-9,000	322,318	9	-7,500	322,393	6,00%	7	-6,500	322,333	6,00%	319,211	321,943	2,733	9	2,500	321,793	-6,00%	10	4,000	321,718	15	-	-	16	-	-	33	7,749	319,219	3,1	2,5
310+0,000			33	-12,413	319,211	16	-	-	15	-	-	10	-9,000	321,487	9	-7,500	321,562	6,00%	7	-6,500	321,502	6,00%	319,204	321,112	1,908	9	2,500	320,962	-6,00%	10	4,000	320,887	15	-	-	16	-	-	33	6,521	319,206	2,3	1,7
311+0,000			33	-11,480	319,250	16	-	-	15	-	-	10	-9,000	320,904	9	-7,500	320,979	6,00%	7	-6,500	320,919	6,00%	319,325	320,529	1,203	9	2,500	320,379	-6,00%	10	4,000	320,304	15	-	-	16	-	-	33	5,419	319,358	1,7	0,9
311+7,206			33	-11,303	319,219	16	-	-	15	-	-	10	-9,000	320,755	9	-7,500	320,830	6,00%	7	-6,500	320,770	6,00%	319,259	320,380	1,121	9	2,500	320,230	-6,00%	10	4,000	320,155	15	-	-	16	-	-	33	5,286	319,297	1,5	0,9
312+0,000			33	-11,274	318,958	16	-	-	15	-	-	10	-9,000	320,474	9	-7,500	320,549	4,73%	7	-6,500	320,501	4,73%	319,261	320,194	0,933	9	2,500	320,069	-5,00%	10	4,000	319,994	15	-	-	16	-	-	33	5,034	319,305	1,5	0,7
312+5,984	CE		33	-7,500	319,025	16	-	-	15	-	-	10	-	-	9	-7,500	320,452	4,13%	7	-6,500	320,411	4,13%	319,408	320,142	0,735	9	2,500	320,017	-5,00%	10	4,000	319,942	15	-	-	16	-	-	33	5,104	319,206	-	0,7
312+12,323			33	-7,500	319,442	16	-	-	15	-	-	10	-	-	9	-7,500	320,375	3,50%	7	-6,500	320,340	3,50%	319,260	320,112	0,852	9	2,500	319,987	-5,00%	10	4,000	319,912	15	-	-	16	-	-	33	4,847	319,347	-	0,6

4.1.4.4. Ramo 400

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 719+0,000 - Ramo 400

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																				COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA															ALTURAS DOS TALUDES	
			Talude			Fim da Berma			Início da Berma / Encontro de Talude			Fundo canaleta			Faixa de segurança				Bordo da pista							Acostamento				Fundo canaleta			Início da Berma / Encontro de Talude			Fim da Berma			Talude				
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Projeto	Cota vermelha	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
402+5,198			33	-7,500	319,435	16	-	-	15	-	-	10	-	-	9	-7,500	320,435	2,50%	7	-6,500	320,410	2,50%	319,273	320,247	0,974	9	-2,440	320,125	-5,00%	10	3,940	320,050	15	-	-	16	-	-	33	4,802	319,476	-	0,6
402+10,000	EC		33	-7,500	319,341	16	-	-	15	-	-	10	-	-	9	-7,500	320,532	3,09%	7	-6,500	320,501	3,09%	319,368	320,300	0,932	9	2,500	320,175	-5,00%	10	4,000	320,100	15	-	-	16	-	-	33	4,850	319,534	-	0,6
402+10,408			33	-7,500	320,541	16	-	-	15	-	-	10	-	-	9	-7,500	320,541	3,14%	7	-6,500	320,509	3,14%	320,005	320,305	0,300	9	2,500	320,180	-5,00%	10	4,000	320,105	15	-	-	16	-	-	33	4,857	319,534	-	0,6
403+0,000			33	-11,064	319,325	16	-	-	15	-	-	10	-9,000	320,701	9	-7,500	320,776	4,32%	7	-6,500	320,733	4,32%	319,532	320,453	0,920	9	2,500	320,328	-5,00%	10	4,000	320,253	15	-	-	16	-	-	33	5,075	319,536	1,4	0,7
403+10,000			33	-11,293	319,475	16	-	-	15	-	-	10	-9,000	321,004	9	-7,500	321,079	5,54%	7	-6,500	321,023	5,54%	319,553	320,663	1,110	9	2,500	320,516	-5,54%	10	4,000	320,441	15	-	-	16	-	-	33	5,285	319,585	1,5	0,9
403+13,714			33	-11,419	319,518	16	-	-	15	-	-	10	-9,000	321,131	9	-7,500	321,206	6,00%	7	-6,500	321,146	6,00%	319,597	320,756	1,158	9	2,500	320,606	-6,00%	10	4,000	320,531	15	-	-	16	-	-	33	5,323	319,649	1,6	0,9
404+0,000			33	-11,512	319,631	16	-	-	15	-	-	10	-9,000	321,306	9	-7,500	321,381	6,00%	7	-6,500	321,321	6,00%	319,718	320,931	1,213	9	2,500	320,781	-6,00%	10	4,000	320,449	15	-	-	16	-	-	33	5,297	319,585	1,7	0,9
405+0,000			33	-12,414	319,739	16	-	-	15	-	-	10	-9,000	322,015	9	-7,500	322,090	6,00%	7	-6,500	322,030	6,00%	319,749	321,640	1,891	9	2,500	321,490	-6,00%	10	4,000	321,415	15	-	-	16	-	-	33	6,492	319,754	2,3	1,7
406+0,000		PTV	33	-13,563	319,914	16	-	-	15	-	-	10	-9,000	322,956	9	-7,500	323,031	6,00%	7	-6,500	322,971	6,00%	319,886	322,581	2,695	9	2,500	322,431	-6,00%	10	4,000	322,356	15	-	-	16	-	-	33	7,775	319,839	3,0	2,5
406+17,628			33	-11,050	319,890	16	-	-	15	-11,050	322,521	10	-9,000	323,887	9	-7,500	323,962	6,00%	7	-6,500	323,902	6,00%	319,876	323,512	3,636	9	2,500	323,362	-6,00%	10	4,000	323,287	15	-	-	16	-	-	33	9,166	319,843	4,0	3,4
407+0,000			33	-11,237	319,913	16	-	-	15	-11,237	322,521	10	-9,000	324,013	9	-7,500	324,088	6,00%	7	-6,500	324,028	6,00%	319,872	323,638	3,766	9	2,500	323,488	-6,00%	10	4,000	323,413	15	-	-	16	-	-	33	9,361	319,839	4,1	3,6
408+0,000			33	-15,751	319,878	16	-	-	15	-15,751	320,568	10	-9,000	325,069	9	-7,500	325,144	6,00%	7	-6,500	325,084	6,00%	319,867	324,694	4,826	9	2,500	324,544	-6,00%	10	4,000	324,469	15	-	-	16	-	-	33	10,945	319,839	5,2	4,6
409+0,000			33	-18,304	319,923	16	-	-	15	-	-	10	-9,000	326,125	9	-7,500	326,200	6,00%	7	-6,500	326,140	6,00%	319,872	325,750	5,878	9	2,500	325,600	-6,00%	10	4,000	325,525	15	-	-	16	-	-	33	12,421	319,911	6,2	5,6
410+0,000			33	-20,014	319,839	16	-	-	15	-	-	10	-9,000	327,182	9	-7,500	327,257	6,00%	7	-6,500	327,197	6,00%	319,816	326,807	6,991	9	2,500	326,657	-6,00%	10	4,000	326,582	15	-	-	16	-	-	33	14,129	319,829	7,3	6,8
410+3,651			33	-20,337	319,817	16	-	-	15	-	-	10	-9,000	327,375	9	-7,500	327,450	6,00%	7	-6,500	327,390	6,00%	319,757	327,000	7,242	9	2,500	326,850	-6,00%	10	4,000	326,775	15	-	-	16	-	-	33	14,488	319,783	7,6	7,0
410+5,000		PCV	33	-20,379	319,856	16	-	-	15	-	-	10	-9,000	327,442	9	-7,500	327,517	5,95%	7	-6,500	327,457	5,95%	319,736	327,071	7,335	9	2,500	326,922	-5,95%	10	4,000	326,847	15	-	-	16	-	-	33	14,623	319,765	7,6	7,1
411+0,000			33	-26,143	319,749	16	-25,000	320,511	15	-21,000	320,111	10	-9,000	328,111	9	-7,500	328,186	5,35%	7	-6,500	328,133	5,35%	319,701	327,785	8,085	9	2,500	327,652	-5,35%	10	4,000	327,577	15	-	-	16	-	-	33	15,959	319,604	8,4	8,0
411+3,470			33	-26,378	319,725	16	-25,000	320,644	15	-21,000	320,244	10	-9,000	328,244	9	-7,500	328,319	5,21%	7	-6,500	328,267	5,21%	319,706	327,929	8,223	9	2,500	327,798	-5,21%	10	4,000	327,723	15	-	-	16	-	-	33	20,764	319,614	8,5	8,1
411+5,255	CE		33	-7,500	319,741	16	-	-	15	-	-	10	-	-	9	-7,500	328,384	5,14%	7	-6,500	328,333	5,14%	319,701	327,999	8,298	9	2,500	327,870	-5,14%	10	4,000	327,795	15	16,000	319,795	16	20,000	320,195	33	20,885	319,605	-	8,2
411+8,651			33	-7,500	319,746	16	-	-	15	-	-	10	-	-	9	-7,500	323,778	5,00%	7	-6,500	323,728	5,00%	319,689	323,403	3,714	9	2,420	323,282	-5,00%	10	3,920	323,207	15	-	-	16	-	-	33	9,330	319,600	-	3,6

4.1.4.5. Ramo 500

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 719+0,000 - Ramo 500

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																	COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA										ALTURAS DOS TALUDES	
			Talude			Inicio da Berma / Encontro de Talude			Fundo canaleta			Faixa de segurança				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Acostamento				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
503+6,485			33	-6,000	319,747	15	-	-	10	-	-	9	-6,000	320,101	3,00%	7	-5,000	320,071	3,00%	319,393	319,921	0,528	9	2,500	319,796	-5,00%	10	4,000	319,721	33	4,104	319,651	-	0,1
503+16,643			33	-6,000	319,350	15	-	-	10	-	-	9	-6,000	320,223	4,22%	7	-5,000	320,181	4,22%	319,451	319,970	0,520	9	2,500	319,845	-5,00%	10	4,000	319,770	33	4,229	319,618	-	0,2
504+0,000			33	-8,548	319,498	15	-	-	10	-7,500	320,197	9	-6,000	320,272	4,62%	7	-5,000	320,226	4,62%	319,508	319,995	0,487	9	2,500	319,870	-5,00%	10	4,000	319,795	33	4,235	319,638	0,7	0,2
504+7,040			33	-9,336	319,089	15	-	-	10	-7,500	320,313	9	-6,000	320,388	5,47%	7	-5,000	320,333	5,47%	319,760	320,060	0,300	9	2,500	319,923	-5,47%	10	4,000	319,848	33	4,325	319,632	1,2	0,2
504+11,485			33	-9,388	319,136	15	-	-	10	-7,500	320,395	9	-6,000	320,470	6,00%	7	-5,000	320,410	6,00%	319,637	320,110	0,473	9	2,500	319,960	-6,00%	10	4,000	319,885	33	4,389	319,626	1,3	0,3
505+0,000			33	-9,314	319,302	15	-	-	10	-7,500	320,512	9	-6,000	320,587	6,00%	7	-5,000	320,527	6,00%	319,628	320,227	0,599	9	2,500	320,077	-6,00%	10	4,000	320,002	33	4,610	319,595	1,2	0,4
505+5,000			33	-8,894	319,663	15	-	-	10	-7,500	320,592	9	-6,000	320,667	6,00%	7	-5,000	320,607	6,00%	319,620	320,307	0,688	9	2,500	320,157	-6,00%	10	4,000	320,082	33	4,790	319,556	0,9	0,5
505+14,081	CE		33	-9,145	319,665	15	-	-	10	-7,500	320,762	9	-6,000	320,837	6,00%	7	-5,000	320,777	6,00%	319,544	320,477	0,933	9	2,500	320,327	-6,00%	10	4,000	320,252	33	5,149	319,486	1,1	0,8
506+0,000			33	-9,407	319,582	15	-	-	10	-7,500	320,854	9	-6,000	320,929	5,41%	7	-5,000	320,875	5,41%	319,483	320,604	1,121	9	2,500	320,459	-5,80%	10	4,000	320,384	33	5,390	319,457	1,3	0,9
507+0,000			33	-10,068	319,544	15	-	-	10	-7,500	321,256	9	-6,000	321,331	3,41%	7	-5,000	321,297	3,41%	319,787	321,127	1,340	9	2,500	321,002	-5,00%	10	4,000	320,927	33	5,778	319,741	1,7	1,2
507+4,081			33	-9,884	319,767	15	-	-	10	-7,500	321,356	9	-6,000	321,431	3,00%	7	-5,000	321,401	3,00%	319,817	321,251	1,434	9	2,501	321,126	-5,00%	10	4,001	321,051	33	5,930	319,765	1,6	1,3
507+5,000		PTV	33	-9,875	319,802	15	-	-	10	-7,500	321,385	9	-6,000	321,460	3,00%	7	-5,000	321,430	3,00%	319,826	321,280	1,454	9	2,501	321,155	-5,00%	10	4,001	321,080	33	5,961	319,773	1,6	1,3
507+14,081			33	-10,326	319,788	15	-	-	10	-7,500	321,672	9	-6,000	321,747	3,00%	7	-5,000	321,717	3,00%	319,858	321,567	1,710	9	2,500	321,442	-5,00%	10	4,000	321,367	33	6,266	319,856	1,9	1,5
508+0,000			33	-10,616	319,782	15	-	-	10	-7,500	321,859	9	-6,000	321,934	3,00%	7	-5,000	321,904	3,00%	319,853	321,754	1,901	9	2,500	321,629	-5,00%	10	4,000	321,554	33	6,487	319,897	2,1	1,7
508+10,000		PCV	33	-11,189	319,716	15	-	-	10	-7,500	322,175	9	-6,000	322,250	3,00%	7	-5,000	322,220	3,00%	319,715	322,070	2,356	9	2,502	321,945	-5,00%	10	4,002	321,870	33	7,285	319,681	2,5	2,2
508+14,081	ET		33	-11,234	319,813	15	-	-	10	-7,500	322,302	9	-6,000	322,377	3,00%	7	-5,000	322,347	3,00%	319,722	322,197	2,475	9	2,500	322,072	-5,00%	10	4,000	321,997	33	7,458	319,692	2,5	2,3
509+0,000			33	-11,473	319,830	15	-	-	10	-7,500	322,479	9	-6,000	322,554	3,00%	7	-5,000	322,524	3,00%	319,733	322,374	2,640	9	2,500	322,249	-5,00%	10	4,000	322,174	33	7,701	319,706	2,6	2,5
510+0,000			33	-12,233	319,856	15	-	-	10	-7,500	323,012	9	-6,000	323,087	3,00%	7	-5,000	323,057	3,00%	319,771	322,907	3,136	9	2,500	322,782	-5,00%	10	4,000	322,707	33	8,425	319,756	3,2	3,0
510+4,081			33	-12,380	319,855	15	-	-	10	-7,500	323,108	9	-6,000	323,183	3,00%	7	-5,000	323,153	3,00%	319,779	323,003	3,225	9	2,500	322,878	-5,00%	10	4,000	322,803	33	8,555	319,767	3,3	3,0
511+0,000			33	-10,044	319,772	15	-10,044	321,749	10	-7,500	323,445	9	-6,000	323,520	3,00%	7	-5,000	323,490	3,00%	319,733	323,340	3,607	9	2,500	323,215	-5,00%	10	4,000	323,140	33	9,112	319,732	3,7	3,4
511+4,081			33	-9,486	319,736	15	-9,486	322,197	10	-7,500	323,521	9	-6,000	323,596	3,00%	7	-5,000	323,566	3,00%	319,676	323,416	3,740	9	2,500	323,291	-5,00%	10	4,000	323,216	33	9,325	319,667	3,8	3,5
512+0,000			33	-8,633	319,510	15	-8,633	323,024	10	-7,500	323,779	9	-6,000	323,854	3,00%	7	-5,000	323,824	3,00%	319,455	323,674	4,220	9	2,500	323,549	-5,00%	10	4,000	323,474	33	10,097	319,410	4,3	4,1
512+15,000			33	-9,701	319,409	15	-9,701	322,497	10	-7,500	323,965	9	-6,000	324,040	3,00%	7	-5,000	324,010	3,00%	319,303	323,860	4,557	9	2,500	323,735	-5,00%	10	4,000	323,660	33	10,710	319,187	4,6	4,5
513+0,000			33	-10,461	319,479	15	-10,461	322,040	10	-7,500	324,014	9	-6,000	324,089	3,00%	7	-5,000	324,059	3,00%	319,365	323,909	4,544	9	2,500	323,784	-5,00%	10	4,000	323,709	33	10,601	319,309	4,5	4,4
514+0,000			33	-13,995	319,820	15	-	-	10	-7,500	324,150	9	-6,000	324,225	3,00%	7	-5,000	324,195	3,00%	319,832	324,045	4,213	9	2,500	323,920	-5,00%	10	4,000	323,845	33	10,029	319,826	4,3	4,0
515+0,000			33	-14,035	319,830	15	-	-	10	-7,500	324,187	9	-6,000	324,262	3,00%	7	-5,000	324,232	3,00%	319,830	324,082	4,252	9	2,500	323,957	-5,00%	10	4,000	323,882	33	10,065	319,838	4,4	4,0
515+0,060			33	-14,035	319,830	15	-	-	10	-7,500	324,187	9	-6,000	324,262	3,00%	7	-5,000	324,232	3,00%	319,830	324,082	4,251	9	2,500	323,957	-5,00%	10	4,000	323,882	33	10,065	319,838	4,4	4,0
516+0,000			33	-13,926	319,840	15	-	-	10	-7,500	324,124	9	-6,000	324,199	3,00%	7	-5,000	324,169	3,00%	319,836	324,019	4,183	9	2,500	323,894	-5,00%	10	4,000	323,819	33	9,967	319,841	4,3	4,0
516+0,060			33	-13,926	319,840	15	-	-	10	-7,500	324,124	9	-6,000	324,199	3,00%	7	-5,000	324,169	3,00%	319,836	324,019	4,183	9	2,500	323,894	-5,00%	10	4,000	323,819	33	9,966	319,842	4,3	4,0
517+0,000		PTV	33	-13,661	319,855	15	-	-	10	-7,500	323,962	9	-6,000	324,037	3,00%	7	-5,000	324,007	3,00%	319,885	323,857	3,972	9	2,500	323,732	-5,00%	10	4,000	323,657	33	9,609	319,918	4,1	3,7
517+10,060	TE		33	-13,479	319,876	15	-	-	10	-7,500	323,862	9	-6,000	323,937	3,00%	7	-5,000	323,907	3,00%	319,880	323,757	3,877	9	2,500	323,632	-5,00%	10	4,000	323,557	33	9,431	319,936	4,0	3,6
518+0,000			33	-13,320	319,895	15	-	-	10	-7,500	323,775	9	-6,000	323,850	3,00%	7	-5,000	323,820	3,00%	319,881	323,670	3,789	9	2,500	323,545	-5,00%	10	4,000	323,470	33	9,312	319,929	3,9	3,5
518+10,060			33	-13,193	319,904	15	-	-	10	-7,500	323,699	9	-6,000	323,774	3,00%	7	-5,000	323,744	3,00%	319,910	323,594	3,684	9	2,500	323,469	-5,00%	10	4,000	323,394	33	9,249	319,895	3,8	3,5
519+0,000			33	-13,054	319,934	15	-	-	10	-7,500	323,637	9	-6,000	323,712	3,00%	7	-5,000	323,682	3,00%	319,956	323,532	3,575	9	2,501	323,407	-5,00%	10	4,001	323,332	33	9,086	319,941	3,7	3,4
519+0,060			33	-13,053	319,934	15	-	-	10	-7,500	323,636	9	-6,000	323,711	3,00%	7	-5,000	323,681	3,00%	319,957	323,531	3,575	9	2,501	323,406	-5,00%	10	4,001	323,331	33	9,085	319,942	3,7	3,4
520+0,000			33	-12,982	320,012	15	-	-	10	-7,500	323,667	9	-6,000	323,742	4,99%	7	-5,000	323,692	4,99%	320,046	323,442	3,396	9	2,500	323,317	-5,00%	10	4,000	323,242	33	8,849	320,010	3,7	3,2
520+5,000			33	-13,019	320,003	15	-	-	10	-7,500	323,682	9	-6,000	323,757	5,49%	7	-5,000	323,702	5,49%	320,069	323,428	3,358	9	2,500	323,290	-5,49%	10	4,000	323,215	33	8,766	320,037	3,7	3,2
520+10,060	EC		33	-13,075	319,984	15	-	-	10	-7,500	323,701	9	-6,000	323,776	6,00%	7	-5,000	323,716	6,00%	320,093	323,416	3,322	9	2,500	323,266	-6,00%	10	4,000	323,191	33	8,686	320,067	3,7	3,1
521+0,000			33	-13,081	319,966	15	-	-	10	-7,500	323,687	9	-6,000	323,762	6,00%	7	-5,000	323,702	6,00%	320,088	323,402	3,313	9	2,500	323,252	-6,00%	10	4,000	323,177	33	8,586	320,119	3,7	3,1
521+4,781			33	-13,072	319,969	15	-	-	10	-7,500	323,684	9	-6,000	323,769	6,00%	7	-5,000	323,699	6,00%	320,069	323,399	3,330	9	2,500	323,249	-6,00%	10	4,000	323,174	33	8,571	320,127	3,7	3,0
521+9,317			33	-6,000	319,988	15	-	-	10	-	-	9	-6,000	323,759	6,00%	7	-5,000	323,699	6,00%	320,051	323,399	3,348	9	2,500	323,249	-6,00%	10	4,000	323,174	33	8,563	320,132	-	3,0
521+15,037			33	-6,000	320,017	15	-	-	10	-	-	9	-6,000	323,763	6,00%	7	-5,000	323,703	6,00%	320,038	323,403	3,365	9	2,500	323,253	-6,00%	10	4,000	323,178	33	8,562	320,137	-	3,0

4.1.4.6. Ramo 600

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 719+0,000 - Ramo 600

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																		COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA										ALTURAS DOS TALUDES	
			Talude			Inicio da Berma / Encontro de Talude			Fundo canaleta			Faixa de segurança				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Acostamento				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
603+10,113			33	-6,000	320,101	15	-	-	10	-	-	9	-6,000	324,229	5,70%	7	-5,000	324,172	5,70%	320,131	323,887	3,756	9	2,500	323,744	-5,70%	10	4,000	323,670	33	9,221	320,189	-	3,5
604+0,000			33	-6,000	320,102	15	-	-	10	-	-	9	-6,000	324,320	5,70%	7	-5,000	324,263	5,70%	320,132	323,978	3,847	9	2,500	323,836	-5,70%	10	4,000	323,761	33	9,366	320,184	-	3,6
604+5,001		PTV/PCV	33	-13,891	320,042	15	-	-	10	-7,500	324,303	9	-6,000	324,378	5,70%	7	-5,000	324,321	5,70%	320,129	324,036	3,907	9	2,500	323,894	-5,70%	10	4,000	323,819	33	9,464	320,176	4,3	3,6
604+19,194			33	-14,083	320,057	15	-	-	10	-7,500	324,446	9	-6,000	324,521	5,70%	7	-5,000	324,464	5,70%	320,108	324,179	4,071	9	2,500	324,036	-5,70%	10	4,000	323,961	33	9,699	320,162	4,4	3,8
605+0,000			33	-14,092	320,057	15	-	-	10	-7,500	324,452	9	-6,000	324,527	5,70%	7	-5,000	324,470	5,70%	320,106	324,185	4,078	9	2,500	324,042	-5,70%	10	4,000	323,967	33	9,709	320,162	4,4	3,8
606+0,000			33	-14,211	320,065	15	-	-	10	-7,500	324,539	9	-6,000	324,614	5,70%	7	-5,000	324,557	5,70%	320,171	324,272	4,101	9	2,500	324,130	-5,70%	10	4,000	324,055	33	9,854	320,152	4,5	3,9
606+9,817			33	-14,174	320,086	15	-	-	10	-7,500	324,536	9	-6,000	324,611	5,70%	7	-5,000	324,554	5,70%	320,162	324,269	4,107	9	2,500	324,126	-5,70%	10	4,000	324,051	33	9,909	320,112	4,4	3,9
606+18,388	CE		33	-14,044	320,096	15	-	-	10	-7,500	324,458	9	-6,000	324,533	4,89%	7	-5,000	324,485	4,89%	320,101	324,240	4,140	9	2,500	324,115	-5,00%	10	4,000	324,040	33	9,937	320,082	5,4	4,0
607+0,000			33	-14,016	320,097	15	-	-	10	-7,500	324,441	9	-6,000	324,516	4,73%	7	-5,000	324,469	4,73%	320,088	324,232	4,144	9	2,500	324,107	-5,00%	10	4,000	324,032	33	9,932	320,078	4,3	4,0
607+18,238			33	-13,740	320,030	15	-	-	10	-7,500	324,190	9	-6,000	324,265	3,00%	7	-5,000	324,235	3,00%	320,038	324,085	4,047	9	2,501	323,960	-5,00%	10	4,000	323,885	33	9,778	320,034	4,2	3,9
608+0,000			33	-13,726	320,020	15	-	-	10	-7,500	324,171	9	-6,000	324,246	3,00%	7	-5,000	324,216	3,00%	320,030	324,066	4,036	9	2,500	323,940	-5,00%	10	4,000	323,865	33	9,758	320,027	6,4	3,8
609+0,000			33	-13,411	319,936	15	-	-	10	-7,500	323,877	9	-6,000	323,952	3,00%	7	-5,000	323,922	3,00%	319,988	323,772	3,784	9	2,501	323,647	-5,00%	10	4,000	323,572	33	9,331	320,018	3,9	3,6
609+14,999		PTV	33	-12,045	319,877	15	-12,045	320,543	10	-7,500	323,573	9	-6,000	323,648	3,00%	7	-5,000	323,618	3,00%	319,936	323,468	3,532	9	2,501	323,343	-5,00%	10	4,000	323,268	33	8,877	320,017	3,7	3,3
609+18,388	ET		33	-11,230	321,009	15	-11,230	319,871	10	-7,500	323,496	9	-6,000	323,571	3,00%	7	-5,000	323,541	3,00%	319,950	323,391	3,441	9	2,500	323,266	-5,00%	10	4,000	323,191	33	8,742	320,030	7,4	3,2
610+0,000			33	-10,874	319,873	15	-10,874	321,210	10	-7,500	323,460	9	-6,000	323,535	3,00%	7	-5,000	323,505	3,00%	319,957	323,355	3,398	9	2,500	323,230	-5,00%	10	4,000	323,155	33	8,678	320,036	3,6	3,1
611+0,000			33	-8,239	319,919	15	-8,239	322,514	10	-7,500	323,007	9	-6,000	323,082	3,00%	7	-5,000	323,052	3,00%	319,974	322,902	2,928	9	2,500	322,777	-5,00%	10	4,000	322,702	33	8,011	320,028	3,1	2,7
611+14,010	TE		33	-8,351	319,904	15	-8,351	322,122	10	-7,500	322,690	9	-6,000	322,765	3,00%	7	-5,000	322,735	3,00%	319,887	322,585	2,698	9	2,500	322,460	-5,00%	10	4,000	322,385	33	7,767	319,873	8,4	2,5
611+17,630			33	-8,638	319,910	15	-8,638	321,849	10	-7,500	322,608	9	-6,000	322,683	3,00%	7	-5,000	322,653	3,00%	319,892	322,503	2,611	9	2,500	322,378	-5,00%	10	4,000	322,303	33	7,642	319,876	2,7	2,4
612+0,000			33	-8,889	319,913	15	-	-	10	-7,500	322,554	9	-6,000	322,629	3,00%	7	-5,000	322,599	3,00%	319,895	322,449	2,554	9	2,502	322,324	-5,00%	10	4,000	322,249	33	7,561	319,876	2,6	2,4
613+0,000			33	-10,921	319,821	15	-	-	10	-7,500	322,101	9	-6,000	322,176	3,00%	7	-5,000	322,146	3,00%	319,844	321,996	2,153	9	2,500	321,871	-5,00%	10	4,000	321,796	33	6,910	319,857	9,4	1,9
613+7,151			33	-10,762	319,765	15	-	-	10	-7,500	321,940	9	-6,000	322,015	3,00%	7	-5,000	321,985	3,00%	319,804	321,835	2,030	9	2,500	321,710	-5,00%	10	4,000	321,635	33	6,692	319,840	2,2	1,8
614+0,000			33	-10,459	319,762	15	-	-	10	-7,500	321,735	9	-6,000	321,810	4,44%	7	-5,000	321,765	4,44%	319,821	321,544	1,723	9	2,500	321,407	-5,48%	10	4,000	321,332	33	6,216	319,854	2,0	1,5
614+14,010	EC		33	-10,099	319,779	15	-	-	10	-7,500	321,512	9	-6,000	321,587	6,00%	7	-5,000	321,527	6,00%	319,826	321,227	1,401	9	2,500	321,077	-6,00%	10	4,000	321,002	33	5,723	319,853	10,4	1,1
614+15,000		PCV	33	-10,066	319,779	15	-	-	10	-7,500	321,489	9	-6,000	321,564	6,00%	7	-5,000	321,504	6,00%	319,826	321,204	1,378	9	2,500	321,054	-6,00%	10	4,000	320,979	33	5,690	319,853	1,7	1,1
615+0,000			33	-9,918	319,767	15	-	-	10	-7,500	321,379	9	-6,000	321,454	6,00%	7	-5,000	321,394	6,00%	319,825	321,094	1,270	9	2,500	320,944	-6,00%	10	4,000	320,869	33	5,530	319,849	1,6	1,0
616+0,000			33	-9,421	319,730	15	-	-	10	-7,500	321,011	9	-6,000	321,086	6,00%	7	-5,000	321,026	6,00%	319,804	320,726	0,922	9	2,500	320,576	-6,00%	10	4,000	320,501	33	5,052	319,800	1,3	0,7
616+12,193			33	-9,551	319,474	15	-	-	10	-7,500	320,841	9	-6,000	320,916	6,00%	7	-5,000	320,856	6,00%	319,758	320,556	0,798	9	2,500	320,406	-6,00%	10	4,000	320,331	33	4,852	319,763	1,4	0,6
616+15,000			33	-9,576	319,409	15	-	-	10	-7,500	320,793	9	-6,000	320,868	5,75%	7	-5,000	320,810	5,75%	319,738	320,523	0,786	9	2,500	320,379	-5,75%	10	4,000	320,304	33	4,834	319,748	1,4	0,6
616+16,281			33	-9,566	319,394	15	-	-	10	7,500	320,771	9	-6,000	320,846	5,63%	7	-5,000	320,790	5,63%	319,728	320,509	0,781	9	2,500	320,368	-5,63%	10	4,000	320,293	33	4,814	319,750	1,4	0,5
617+0,000			33	-9,332	319,491	15	-	-	10	-7,500	320,712	9	-6,000	320,787	5,29%	7	-5,000	320,734	5,29%	319,702	320,469	0,768	9	2,500	320,337	-5,29%	10	4,000	320,262	33	4,758	319,757	1,2	0,5
618+0,000			33	-8,549	319,760	15	-	-	10	-7,500	320,459	9	-6,000	320,534	3,48%	7	-5,000	320,499	3,48%	319,605	320,325	0,720	9	2,500	320,200	-5,00%	10	4,000	320,125	33	4,528	319,773	0,7	0,4
618+15,000		PTV	33	-6,000	319,861	15	-	-	10	-	-	9	-6,000	320,418	2,12%	7	-5,000	320,397	2,13%	319,309	320,291	0,981	9	2,500	320,165	-5,00%	10	4,000	320,090	33	4,624	319,674	-	0,4
618+16,292			33	-6,000	319,975	15	-	-	10	-	-	9	-6,000	320,410	2,00%	7	-5,000	320,390	1,99%	319,285	320,290	1,006	9	2,500	320,165	-5,00%	10	4,000	320,090	33	4,648	319,659	-	0,4

4.1.4.7. Ramo 700

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 719+0,000 - Ramo 700

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																		COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA										ALTURAS DOS TALUDES	
			Talude			Inicio da Berma / Encontro de Talude			Fundo canaleta			Faixa de segurança				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Acostamento				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
703+6,484			33	-6,000	319,890	15	-	-	10	-	-	9	-6,000	320,515	3,50%	7	-5,000	320,480	3,50%	319,146	320,305	1,159	9	2,500	320,180	-5,00%	10	4,000	320,105	33	5,333	319,217	-	0,9
703+7,500		PCV	33	-6,000	319,821	15	-	-	10	-	-	9	-6,000	320,523	3,63%	7	-5,000	320,487	3,63%	319,121	320,306	1,185	9	2,500	320,181	-5,00%	10	4,000	320,106	33	5,319	319,226	-	0,9
703+16,643			33	-6,000	319,402	15	-	-	10	-	-	9	-6,000	320,609	4,77%	7	-5,000	320,562	4,78%	319,138	320,323	1,185	9	2,500	320,198	-5,00%	10	4,000	320,123	33	5,197	319,325	-	0,8
704+0,000			33	-8,727	319,755	15	-	-	10	-7,500	320,573	9	-6,000	320,648	5,19%	7	-5,000	320,596	5,19%	319,182	320,336	1,154	9	2,500	320,206	-5,19%	10	4,000	320,131	33	5,189	319,339	0,8	0,8
704+1,987			33	-8,929	319,644	15	-	-	10	-7,500	320,597	9	-6,000	320,672	5,44%	7	-5,000	320,618	5,44%	319,210	320,346	1,136	9	2,500	320,210	-5,44%	10	4,000	320,135	33	5,181	319,348	1,0	0,8
704+6,484			33	-9,381	319,403	15	-	-	10	-7,500	320,657	9	-6,000	320,732	6,00%	7	-5,000	320,672	6,00%	319,256	320,372	1,116	9	2,500	320,222	-6,00%	10	4,000	320,147	33	5,165	319,370	1,3	0,8
704+10,000			33	-9,673	319,233	15	-	-	10	-7,500	320,682	9	-6,000	320,757	6,00%	7	-5,000	320,697	6,00%	319,276	320,397	1,121	9	2,500	320,247	-6,00%	10	4,000	320,172	33	5,126	319,421	1,4	0,8
705+0,000			33	-9,967	319,130	15	-	-	10	-7,500	320,775	9	-6,000	320,850	6,00%	7	-5,000	320,790	6,00%	319,355	320,490	1,135	9	2,500	320,340	-6,00%	10	4,000	320,265	33	5,286	319,408	1,6	0,9
705+3,975	CE		33	-9,864	319,245	15	-	-	10	-7,500	320,821	9	-6,000	320,896	6,00%	7	-5,000	320,836	6,00%	319,341	320,536	1,195	9	2,500	320,386	-6,00%	10	4,000	320,311	33	5,397	319,380	1,6	0,9
705+12,500		PTV	33	-9,742	319,391	15	-	-	10	-7,500	320,885	9	-6,000	320,960	5,15%	7	-5,000	320,909	5,15%	319,404	320,651	1,247	9	2,500	320,523	-5,72%	10	4,000	320,448	33	5,510	319,441	1,5	1,0
706+0,000			33	-9,847	319,388	15	-	-	10	-7,500	320,952	9	-6,000	321,027	4,40%	7	-5,000	320,983	4,40%	319,460	320,764	1,303	9	2,500	320,627	-5,47%	10	4,000	320,552	33	5,580	319,498	1,6	1,1
706+13,975			33	-9,924	319,462	15	-	-	10	-7,500	321,077	9	-6,000	321,152	3,00%	7	-5,000	321,122	3,00%	319,461	320,972	1,512	9	2,501	320,847	-5,00%	10	4,001	320,772	33	6,027	319,421	1,6	1,4
707+0,000			33	-10,087	319,443	15	-	-	10	-7,500	321,167	9	-6,000	321,242	3,00%	7	-5,000	321,212	3,00%	319,398	321,062	1,664	9	2,500	320,937	-5,00%	10	4,000	320,862	33	6,256	319,358	1,7	1,5
707+3,975			33	-10,209	319,421	15	-	-	10	-7,500	321,227	9	-6,000	321,302	3,00%	7	-5,000	321,272	3,00%	319,357	321,122	1,765	9	2,500	320,997	-5,00%	10	4,000	320,922	33	6,405	319,318	1,8	1,6
708+0,000			33	-10,698	319,334	15	-	-	10	-7,500	321,466	9	-6,000	321,541	3,00%	7	-5,000	321,511	3,00%	319,286	321,361	2,075	9	2,501	321,236	-5,00%	10	4,001	321,161	33	6,763	319,320	2,1	1,8
708+3,975	ET		33	-10,816	319,315	15	-	-	10	-7,500	321,526	9	-6,000	321,601	3,00%	7	-5,000	321,571	3,00%	319,295	321,421	2,126	9	2,500	321,296	-5,00%	10	4,000	321,221	33	6,828	319,336	2,2	1,9
709+0,000			33	-11,379	319,179	15	-	-	10	-7,500	321,765	9	-6,000	321,840	3,00%	7	-5,000	321,810	3,00%	319,290	321,660	2,371	9	2,500	321,535	-5,00%	10	4,000	321,460	33	7,161	319,353	2,6	2,1
709+13,975			33	-11,629	319,222	15	-	-	10	-7,500	321,974	9	-6,000	322,049	3,00%	7	-5,000	322,019	3,00%	319,288	321,869	2,581	9	2,500	321,744	-5,00%	10	4,000	321,669	33	7,474	319,353	2,8	2,3
710+0,000			33	-11,707	319,259	15	-	-	10	-7,500	322,064	9	-6,000	322,139	3,00%	7	-5,000	322,109	3,00%	319,326	321,959	2,633	9	2,500	321,834	-5,00%	10	4,000	321,759	33	7,585	319,369	2,8	2,4
710+13,975			33	-11,976	319,289	15	-	-	10	-7,500	322,273	9	-6,000	322,348	3,00%	7	-5,000	322,318	3,00%	319,355	322,168	2,813	9	2,500	322,043	-5,00%	10	4,000	321,968	33	7,852	319,400	2,8	2,6
711+0,000			33	-12,099	319,297	15	-	-	10	-7,500	322,363	9	-6,000	322,438	3,00%	7	-5,000	322,408	3,00%	319,364	322,258	2,894	9	2,500	322,133	-5,00%	10	4,000	322,058	33	7,972	319,410	3,1	2,6
712+0,000			33	-8,948	319,352	15	-8,948	321,697	10	-7,500	322,662	9	-6,000	322,737	3,00%	7	-5,000	322,707	3,00%	319,408	322,557	3,149	9	2,500	322,432	-5,00%	10	4,000	322,357	33	8,345	319,460	3,3	2,9
712+11,728			33	-8,342	319,394	15	-8,342	322,276	10	-7,500	322,837	9	-6,000	322,912	3,00%	7	-5,000	322,882	3,00%	319,442	322,732	3,290	9	2,500	322,607	-5,00%	10	4,000	322,532	33	8,639	319,440	3,4	3,1
713+0,000			33	-8,585	319,419	15	-8,585	322,238	10	-7,500	322,961	9	-6,000	323,036	3,00%	7	-5,000	323,006	3,00%	319,426	322,856	3,430	9	2,500	322,731	-5,00%	10	4,000	322,656	33	8,847	319,425	3,5	3,2
713+16,647			33	-10,783	318,298	15	-10,763	319,298	10	-7,500	323,210	9	-6,000	323,285	3,00%	7	-5,000	323,255	3,00%	319,359	323,105	3,746	9	2,500	322,980	-5,00%	10	4,000	322,905	33	9,267	319,393	4,9	3,5
714+0,000			33	-11,472	319,267	15	-11,472	320,612	10	-7,500	323,260	9	-6,000	323,335	3,00%	7	-5,000	323,305	3,00%	319,332	323,155	3,823	9	2,500	323,030	-5,00%	10	4,000	322,955	33	9,355	319,385	4,0	3,6
714+17,700			33	-13,813	319,315	15	-	-	10	-7,500	323,524	9	-6,000	323,599	3,00%	7	-5,000	323,569	3,00%	319,321	323,419	4,098	9	2,500	323,294	-5,00%	10	4,000	323,219	33	9,887	319,295	4,2	3,9
715+0,000			33	-13,839	319,333	15	-	-	10	-7,500	323,559	9	-6,000	323,634	3,00%	7	-5,000	323,604	3,00%	319,351	323,454	4,103	9	2,500	323,329	-5,00%	10	4,000	323,254	33	9,894	319,324	4,2	3,9
715+10,000		PCV	33	-13,989	319,382	15	-	-	10	-7,500	323,708	9	-6,000	323,783	3,00%	7	-5,000	323,753	3,00%	319,474	323,603	4,129	9	2,500	323,478	-5,00%	10	4,000	323,403	33	9,944	319,441	4,3	4,0
716+0,000			33	-14,218	319,360	15	-	-	10	-7,500	323,838	9	-6,000	323,913	3,00%	7	-5,000	323,883	3,00%	319,437	323,733	4,296	9	2,500	323,608	-5,00%	10	4,000	323,533	33	10,055	319,497	4,5	4,0
716+9,279	TE		33	-14,317	319,380	15	-	-	10	-7,500	323,924	9	-6,000	323,999	3,00%	7	-5,000	323,969	3,00%	319,426	323,819	4,394	9	2,500	323,694	-5,00%	10	4,000	323,619	33	10,214	319,476	4,5	4,1
717+0,000			33	-14,369	319,403	15	-	-	10	-7,500	323,982	9	-6,000	324,057	3,00%	7	-5,000	324,027	3,00%	319,485	323,877	4,392	9	2,500	323,752	-5,00%	10	4,000	323,677	33	10,269	319,498	4,6	4,2
717+10,331			33	-14,339	319,436	15	-	-	10	-7,500	323,995	9	-6,000	324,070	3,00%	7	-5,000	324,040	3,00%	319,608	323,890	4,282	9	2,500	323,765	-5,00%	10	4,000	323,690	33	10,007	319,686	4,6	4,0
718+0,000			33	-14,283	319,448	15	-	-	10	-7,500	323,970	9	-6,000	324,045	3,00%	7	-5,000	324,015	3,00%	319,640	323,865	4,225	9	2,500	323,740	-5,00%	10	4,000	323,665	33	9,769	319,819	4,5	3,8
718+0,857			33	-14,272	319,452	15	-	-	10	-7,500	323,966	9	-6,000	324,041	3,00%	7	-5,000	324,011	3,00%	319,631	323,861	4,230	9	2,500	323,736	-5,00%	10	4,000	323,661	33	9,748	319,829	4,5	3,8
718+10,000			33	-14,203	319,490	15	-	-	10	-7,500	323,958	9	-6,000	324,033	3,87%	7	-5,000	323,995	3,87%	319,544	323,801	4,257	9	2,500	323,676	-5,00%	10	4,000	323,601	33	9,793	319,740	4,5	3,9
719+0,000			33	-14,294	319,383	15	-	-	10	-7,500	323,912	9	-6,000	323,987	4,82%	7	-5,000	323,939	4,82%	319,443	323,698	4,256	9	2,500	323,573	-5,00%	10	4,000	323,498	33	9,839	319,606	4,5	3,9
719+9,279	EC		33	-14,223	319,353	15	-	-	10	-7,500	323,835	9	-6,000	323,910	5,70%	7	-5,000	323,853	5,70%	319,467	323,568	4,101	9	2,500	323,425	-5,70%	10	4,000	323,350	33	9,794	319,488	4,5	3,9
720+0,000			33	-13,857	319,405	15	-	-	10	-7,500	323,643	9	-6,000	323,718	5,70%	7	-5,000	323,661	5,70%	319,512	323,376	3,864	9	2,500	323,233	-5,70%	10	4,000	323,158	33	9,456	319,521	4,2	3,6
720+16,293			33	-13,098	319,533	15	-	-	10	-7,500	323,266	9	-6,000	323,341	5,70%	7	-5,000	323,284	5,70%	319,591	322,999	3,408	9	-2,500	322,856	-5,70%	10	4,000	322,781	33	8,738	319,622	3,7	3,2
721+0,000			33	-12,954	319,529	15	-	-	10	-7,500	323,165	9	-6,000	323,240	5,70%	7	-5,000	323,183	5,70%	319,593	322,898	3,306	9	2,500	322,756	-5,70%	10	4,000	322,681	33	8,598	319,615	3,6	3,1
721+5,942			33	-12,769	319,481	15	-	-	10	-7,500	322,993	9	-6,000	323,068	5,70%	7	-5,000	323,011	5,70%	319,576	322,726	3,151	9	2,500	322,584	-5,70%	10	4,000	322,509	33	8,368	319,597	3,5	2,9
721+10,000		PCRV	33	-6,000	319,540	15	-	-	10	-	-	9	-6,000	322,943	5,70%	7	-5,000	322,886	5,70%	319,565	322,601	3,036	9	2,500	322,459	-5,70%	10	4,000	322,384	33	8,201	319,583	-	2,8
721+16,543			33	-6,000	319,509	15	-	-	10	-	-	9	-6,000	322,740	5,70%	7	-5,000	322,683	5,70%	319,548	322,398	2,850	9	2,500	322,256	-5,70%	10	4,000	322,181	33	7,928	319,562	-	2,6

4.1.4.8. Ramo 800

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 719+0,000 - Ramo 800

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																		COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA										ALTURAS DOS TALUDES	
			Talude			Início da Berma / Encontro de Talude			Fundo canaleta			Faixa de segurança				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Acostamento				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
804+3,124			33	-6,000	319,397	15	-	-	10	-	-	9	-6,000	322,441	5,70%	7	-5,000	322,384	5,71%	319,429	322,099	2,670	9	2,500	321,956	-5,70%	10	4,000	321,881	33	7,604	319,479	-	2,4
804+4,998		PCV	33	-6,000	319,380	15	-	-	10	-	-	9	-6,000	322,502	5,70%	7	-5,000	322,445	5,69%	319,420	322,160	2,740	9	2,500	322,018	-5,70%	10	4,000	321,943	33	7,707	319,472	-	2,5
804+13,437			33	-6,000	319,344	15	-	-	10	-	-	9	-6,000	322,769	5,70%	7	-5,000	322,712	5,71%	319,385	322,427	3,041	9	2,500	322,284	-5,70%	10	4,000	322,209	33	8,152	319,441	-	2,8
805+0,000			33	-12,876	319,300	15	-	-	10	-7,500	322,885	9	-6,000	322,960	5,70%	7	-5,000	322,903	5,70%	319,362	322,618	3,255	9	2,500	322,475	-5,70%	10	4,000	322,400	33	8,478	319,415	3,6	3,0
805+15,269			33	-13,374	319,359	15	-	-	10	-7,500	323,275	9	-6,000	323,350	5,70%	7	-5,000	323,293	5,70%	319,364	323,008	3,644	9	2,500	322,865	-5,70%	10	4,000	322,790	33	9,085	319,401	3,9	3,4
806+0,000			33	-13,529	319,361	15	-	-	10	-7,500	323,380	9	-6,000	323,455	5,70%	7	-5,000	323,398	5,70%	319,361	323,113	3,752	9	2,500	322,971	-5,70%	10	4,000	322,896	33	9,243	319,401	4,0	3,5
807+0,000			33	-14,119	319,333	15	-	-	10	-7,500	323,746	9	-6,000	323,821	5,70%	7	-5,000	323,764	5,70%	319,366	323,479	4,113	9	2,500	323,336	-5,70%	10	4,000	323,261	33	9,767	319,416	4,4	3,8
808+0,000			33	-14,454	319,345	15	-	-	10	-7,500	323,981	9	-6,000	324,056	5,70%	7	-5,000	323,999	5,70%	319,334	323,714	4,380	9	2,500	323,572	-5,70%	10	4,000	323,497	33	10,248	319,331	4,6	4,2
808+10,539	CE		33	-14,555	319,349	15	-	-	10	-7,500	324,053	9	-6,000	324,128	5,70%	7	-5,000	324,071	5,70%	319,330	323,786	4,456	9	2,500	323,643	-5,70%	10	4,000	323,568	33	10,377	319,317	4,7	4,3
809+0,000			33	-14,458	319,393	15	-	-	10	-7,500	324,032	9	-6,000	324,107	4,80%	7	-5,000	324,059	4,80%	319,312	323,819	4,507	9	2,500	323,694	-5,00%	10	4,000	323,619	33	10,421	319,327	4,6	4,3
809+18,960			33	-12,970	319,424	15	-12,970	320,257	10	-7,500	323,903	9	-6,000	323,978	3,00%	7	-5,000	323,948	3,00%	319,332	323,798	4,466	9	2,500	323,673	-5,00%	10	4,000	323,598	33	10,433	319,309	4,5	4,3
810+0,000			33	-12,672	319,422	15	-12,672	320,451	10	-7,500	323,899	9	-6,000	323,974	3,00%	7	-5,000	323,944	3,00%	319,333	323,794	4,461	9	2,500	323,669	-5,00%	10	4,000	323,594	33	10,431	319,307	4,5	4,3
811+0,000			33	-8,974	319,331	15	-8,974	322,761	10	-7,500	323,743	9	-6,000	323,818	3,00%	7	-5,000	323,788	3,00%	319,286	323,638	4,353	9	2,500	323,513	-5,00%	10	4,000	323,438	33	10,164	319,329	4,4	4,1
811+10,539	ET		33	-8,481	319,315	15	-8,481	322,955	10	-7,500	323,609	9	-6,000	323,684	3,00%	7	-5,000	323,654	3,00%	319,285	323,504	4,220	9	2,500	323,379	-5,00%	10	4,000	323,304	33	9,660	319,531	4,3	3,8
811+11,566			33	-8,481	319,315	15	-8,481	322,940	10	-7,500	323,594	9	-6,000	323,669	3,00%	7	-5,000	323,639	3,00%	319,285	323,489	4,204	9	2,500	323,364	-5,00%	10	4,000	323,289	33	9,632	319,535	4,3	3,8
812+0,000			33	-8,818	312,320	15	-8,818	322,579	10	-7,500	323,458	9	-6,000	323,533	3,00%	7	-5,000	323,503	3,00%	319,398	323,353	3,955	9	2,500	323,228	-5,00%	10	4,000	323,153	33	9,441	319,525	11,1	3,6
813+0,000			33	-11,919	319,359	15	-11,919	320,096	10	-7,500	323,042	9	-6,000	323,117	3,00%	7	-5,000	323,087	3,00%	319,452	322,937	3,485	9	2,500	322,812	-5,00%	10	4,000	322,737	33	8,825	319,520	3,7	3,2
813+1,133	TE		33	-12,195	319,364	15	-12,195	319,885	10	-7,500	323,015	9	-6,000	323,090	3,00%	7	-5,000	323,060	3,00%	319,459	322,910	3,451	9	2,500	322,785	-5,00%	10	4,000	322,710	33	8,774	319,527	3,7	3,2
813+15,002		PTV	33	-12,291	319,450	15	-	-	10	-7,500	322,645	9	-6,000	322,720	3,00%	7	-5,000	322,690	3,00%	319,542	322,540	2,997	9	2,500	322,415	-5,00%	10	4,000	322,340	33	8,124	319,591	3,2	2,7
814+0,000			33	-12,080	319,447	15	-	-	10	-7,500	322,500	9	-6,000	322,575	3,00%	7	-5,000	322,545	3,00%	319,519	322,395	2,876	9	2,500	322,270	-5,00%	10	4,000	322,195	33	7,944	319,566	3,1	2,6
814+11,133			33	-11,583	319,456	15	-	-	10	-7,500	322,178	9	-6,000	322,253	3,00%	7	-5,000	322,223	3,00%	319,467	322,073	2,606	9	2,500	321,948	-5,00%	10	4,001	321,873	33	7,573	319,491	2,7	2,4
815+0,000			33	-11,314	319,432	15	-	-	10	-7,500	321,974	9	-6,000	322,049	3,89%	7	-5,000	322,011	3,89%	319,436	321,816	2,380	9	2,500	321,691	-5,00%	10	4,000	321,616	33	7,293	319,421	2,5	2,2
816+0,000			33	-10,659	319,410	15	-	-	10	-7,500	321,516	9	-6,000	321,591	5,89%	7	-5,000	321,532	5,89%	319,299	321,238	1,939	9	2,500	321,090	-5,89%	10	4,000	321,015	33	6,591	319,288	2,1	1,7
816+1,133	EC		33	-10,619	319,411	15	-	-	10	-7,500	321,490	9	-6,000	321,565	6,00%	7	-5,000	321,505	6,00%	319,296	321,205	1,909	9	2,500	321,055	-6,00%	10	4,000	320,980	33	6,556	319,276	2,1	1,7
816+9,999		PCV	33	-10,229	319,414	15	-	-	10	-7,500	321,233	9	-6,000	321,308	6,00%	7	-5,000	321,248	6,00%	319,283	320,948	1,665	9	2,500	320,798	-6,00%	10	4,000	320,723	33	6,277	319,205	1,8	1,5
817+0,000			33	-9,822	319,415	15	-	-	10	-7,500	320,963	9	-6,000	321,038	6,00%	7	-5,000	320,978	6,00%	319,327	320,678	1,351	9	2,500	320,528	-6,00%	10	4,000	320,453	33	5,802	319,252	1,5	1,2
817+16,901			33	-9,558	319,221	15	-	-	10	-7,500	320,593	9	-6,000	320,668	6,00%	7	-5,000	320,608	6,06%	319,419	320,305	0,886	9	2,500	320,158	-6,00%	10	4,000	320,083	33	5,063	319,374	1,4	0,7
818+0,000			33	-9,612	319,129	15	-	-	10	-7,500	320,537	9	-6,000	320,612	6,00%	7	-5,000	320,552	6,00%	319,418	320,252	0,834	9	2,500	320,102	-6,00%	10	4,000	320,027	33	4,950	319,394	1,4	0,6
818+5,000			33	-9,587	319,063	15	-	-	10	-7,500	320,454	9	-6,000	320,529	6,00%	7	-5,000	320,469	6,00%	319,341	320,169	0,828	9	2,500	320,019	-6,00%	10	4,000	319,944	33	4,790	319,418	1,4	0,5
818+5,427			33	-9,586	319,057	15	-	-	10	-7,500	320,448	9	-6,000	320,523	6,00%	7	-5,000	320,463	6,00%	319,329	320,163	0,833	9	2,500	320,013	-6,00%	10	4,000	319,938	33	4,777	319,420	1,4	0,5
818+19,156			33	-8,214	319,470	15	-8,214	319,697	10	-7,500	320,173	9	-6,000	320,248	4,35%	7	-5,000	320,204	4,35%	318,996	319,987	0,991	9	2,500	319,862	-5,00%	10	4,000	319,787	33	4,809	319,247	-	0,5
819+0,000			33	-6,000	319,107	15	-	-	10	-	-	9	-6,000	320,233	4,25%	7	-5,000	320,191	4,25%	318,988	319,978	0,991	9	2,500	319,853	-5,00%	10	4,000	319,778	33	4,809	319,239	-	0,5
819+10,427			33	-6,000	319,635	15	-	-	10	-	-	9	-6,000	320,076	3,00%	7	-5,000	320,047	3,00%	318,984	319,896	0,912	9	2,500	319,771	-5,00%	10	4,000	319,696	33	4,817	319,152	-	0,5

4.1.4.9. BR-158

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — BR - 158

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA – Talude			Fundo canaleta			Acostamento / Faixa de Segurança / Concordância de Pista				Faixa de Aceleração ou Desaceleração				Bordo da pista			COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA – Bordo da pista			Faixa de Aceleração ou Desaceleração				Acostamento / Faixa de Segurança / Concordância de Pista				Fundo canaleta			Talude			ALTURAS DOS TALUDES	
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Terreno Natural	Projeto	Cota vermelha	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
6+12,836			33	- 10,193	320,117	10	- 9,900	320,312	9	- 8,400	320,387	-3,00%	8	-	-	-	7	- 7,200	320,423	320,588	320,588	0,000	7	-	-	8	-	-	-	9	-	-	-	10	-	-	33	-	-	0,2	-
7+0,000			33	- 10,665	320,026	10	- 10,267	320,292	9	- 8,767	320,367	-3,00%	8	- 7,567	320,403	-3,00%	7	- 7,200	320,414	320,582	320,582	0,000	7	-	-	8	-	-	-	9	-	-	-	10	-	-	33	-	-	0,3	-
7+11,957			33	- 11,689	319,722	10	- 10,878	320,262	9	- 9,378	320,337	-3,00%	8	- 8,178	320,373	-3,00%	7	- 7,200	320,402	320,573	320,573	0,000	7	7,200	320,457	8	-	-	-	9	8,400	320,421	-3,00%	10	9,900	320,346	33	10,222	320,131	0,5	0,2
8+0,000			33	- 12,558	319,402	10	- 11,291	320,246	9	- 9,791	320,321	-3,00%	8	- 8,590	320,357	-3,00%	7	- 7,200	320,399	320,572	320,572	0,000	7	7,200	320,468	8	7,619	320,455	-3,00%	9	8,821	320,419	-3,00%	10	10,321	320,344	33	10,851	319,990	0,8	0,4
8+11,195	PI		33	- 13,085	319,432	10	- 11,864	320,246	9	- 10,364	320,321	-3,00%	8	- 9,163	320,357	-3,00%	7	- 7,200	320,416	320,592	320,592	0,000	7	7,200	320,455	8	8,203	320,425	-3,00%	9	9,404	320,389	-3,00%	10	10,904	320,314	33	11,797	319,719	0,8	0,6
9+0,000			33	- 13,779	319,268	10	- 12,320	320,241	9	- 10,820	320,316	-3,00%	8	- 9,618	320,352	-3,00%	7	- 7,200	320,424	320,604	320,604	0,000	7	7,200	320,448	8	8,656	320,405	-3,00%	9	9,858	320,368	-3,00%	10	11,358	320,293	33	12,256	319,695	1,0	0,6
10+0,000			33	- 14,647	319,352	10	- 13,355	320,213	9	- 11,855	320,288	-3,00%	8	- 10,653	320,324	-3,00%	7	- 7,200	320,428	320,598	320,598	0,000	7	7,200	320,443	8	9,687	320,369	-3,00%	9	10,889	320,333	-3,00%	10	12,389	320,258	33	13,787	319,325	0,9	0,9
10+2,836			33	- 14,319	319,332	10	- 13,500	320,221	9	- 12,000	320,296	-3,00%	8	- 10,800	320,332	-3,00%	7	- 7,200	320,440	320,597	320,597	0,000	7	7,200	320,444	8	9,833	320,365	-3,00%	9	11,035	320,329	-3,00%	10	12,535	320,254	33	13,948	319,312	0,9	0,9
11+0,000			33	- 14,916	319,315	10	- 13,500	320,259	9	- 12,000	320,334	-3,00%	8	- 10,800	320,370	-3,00%	7	- 7,200	320,478	320,595	320,595	0,000	7	7,200	320,440	8	10,718	320,335	-3,00%	9	11,920	320,299	-3,00%	10	13,420	320,224	33	14,711	319,363	0,9	0,9
11+1,589			33	- 14,930	319,301	10	- 13,500	320,255	9	- 12,000	320,330	-3,00%	8	- 10,800	320,366	-3,00%	7	- 7,200	320,474	320,596	320,596	0,000	7	7,200	320,437	8	10,800	320,329	-3,00%	9	12,000	320,293	-3,00%	10	13,500	320,218	33	14,778	319,366	1,0	0,9
11+12,836			33	- 14,936	319,306	10	- 13,500	320,264	9	- 12,000	320,339	-2,00%	8	- 10,800	320,375	-2,00%	7	- 7,200	320,447	320,602	320,602	0,000	7	7,200	320,412	8	10,800	320,285	-3,00%	9	12,000	320,243	-3,00%	10	13,500	320,168	33	14,630	319,415	1,0	0,8
12+0,000			33	- 15,279	319,174	10	- 13,639	320,267	9	- 12,139	320,342	-2,00%	8	- 10,809	320,369	-2,00%	7	- 7,200	320,441	320,603	320,603	0,000	7	7,200	320,412	8	10,812	320,285	-3,50%	9	11,940	320,248	-3,50%	10	13,394	320,173	33	14,358	319,530	1,1	0,6
13+0,000			33	- 16,153	319,153	10	- 14,483	320,266	9	- 12,983	320,341	-2,00%	8	- 11,172	320,377	-2,00%	7	- 7,200	320,457	320,593	320,593	0,000	7	7,200	320,452	8	11,226	320,331	-3,50%	9	12,998	320,249	-3,50%	10	14,498	320,174	33	15,800	319,306	1,1	0,9
14+0,000			33	- 17,660	319,376	10	- 16,508	320,144	9	- 15,008	320,219	-2,00%	8	- 12,750	320,332	-2,00%	7	- 7,200	320,443	320,583	320,583	0,000	7	7,200	320,462	8	12,909	320,262	-3,50%	9	15,191	320,148	-3,50%	10	16,691	320,073	33	18,116	319,123	0,8	0,9
14+14,809			33	- 15,254	319,284	10	-	-	9	- 15,254	320,290	-0,98%	8	-	-	-	7	- 7,200	320,369	320,568	320,568	0,000	7	7,200	320,449	8	15,532	320,158	-3,50%	9	18,097	320,029	-3,50%	10	19,597	319,954	33	20,744	319,190	1,0	0,8
14+16,177			33	- 8,400	320,333	10	-	-	9	- 8,400	320,328	-3,00%	8	-	-	-	7	- 7,200	320,364	320,567	320,567	0,000	7	7,200	320,448	8	15,850	320,145	-3,50%	9	18,421	320,017	-3,50%	10	19,921	319,942	33	21,030	319,203	0,0	0,7
14+17,675			33	- 8,400	320,323	10	-	-	9	- 8,400	320,329	-3,00%	8	-	-	-	7	- 7,200	320,365	320,569	320,569	0,000	7	7,200	320,450	8	-	-	-	9	16,219	320,374	-0,84%	10	-	-	33	16,220	319,146	0,0	-
14+19,363			33	- 8,400	320,312	10	-	-	9	- 8,400	320,330	-3,00%	8	-	-	-	7	- 7,200	320,366	320,572	320,572	0,000	7	7,200	320,452	8	-	-	-	9	8,400	320,416	-3,00%	10	-	-	33	8,400	320,449	0,0	-
15+0,000			33	- 8,400	320,307	10	-	-	9	- 8,400	320,330	-3,00%	8	-	-	-	7	- 7,200	320,366	320,573	320,573	0,000	7	7,200	320,543	8	-	-	-	9	8,400	320,417	-3,00%	10	-	-	33	8,400	320,448	0,0	-
15+7,990			33	- 8,400	320,036	10	-	-	9	- 8,400	320,336	-3,00%	8	-	-	-	7	- 7,200	320,372	320,588	320,588	0,000	7	7,200	320,463	8	-	-	-	9	8,400	320,427	-3,00%	10	-	-	33	8,400	320,393	0,3	-
15+10,045			33	- 8,400	320,313	10	-	-	9	- 8,400	320,338	-3,00%	8	-	-	-	7	- 7,200	320,374	320,592	320,592	0,000	7	7,200	320,466	8	-	-	-	9	8,400	320,430	-3,00%	10	-	-	33	8,400	320,379	0,0	-
15+15,573			33	- 10,402	319,938	10	- 9,900	320,273	9	- 8,400	320,348	-3,00%	8	-	-	-	7	- 7,200	320,384	320,602	320,602	0,000	7	7,200	320,473	8	-	-	-	9	8,400	320,437	-3,00%	10	9,900	320,362	33	10,241	320,135	0,3	0,2
15+15,700			33	- 10,413	319,941	10	- 9,900	320,283	9	- 8,400	320,358	-3,00%	8	- 7,200	320,394	-3,00%	7	- 5,400	320,448	320,602	320,602	0,000	7	5,400	320,465	8	7,200	320,411	-3,00%	9	8,400	320,375	-3,00%	10	9,900	320,300	33	10,103	320,165	0,3	0,1
16+0,000			33	- 10,300	320,090	10	- 9,992	320,295	9	- 8,492	320,370	-3,00%	8	- 7,292	320,406	-3,00%	7	- 5,492	320,460	320,596	320,596	0,000	7	5,492	320,460	8	7,292	320,406	-3,00%	9	8,492	320,370	-3,00%	10	9,992	320,295	33	10,424	320,006	0,2	0,3
17+0,000			33	- 10,934	319,979	10	- 10,426	320,318	9	- 8,926	320,393	-3,00%	8	- 7,726	320,429	-3,00%	7	- 5,926	320,483	320,568	320,568	0,000	7	5,926	320,466	8	7,726	320,412	-3,00%	9	8,926	320,376	-3,00%	10	10,426	320,301	33	10,590	320,191	0,3	0,1
18+0,000			33	- 11,951	319,571	10	- 10,860	320,299	9	- 9,360	320,374	-3,00%	8	- 8,160	320,410	-3,00%	7	- 6,360	320,464	320,606	320,606	0,000	7	6,360	320,481	8	8,160	320,427	-3,00%	9	9,360	320,391	-3,00%	10	10,860	320,316	33	11,762	319,714	0,7	0,6
18+17,906			33	- 12,560	319,399	10	- 11,249	320,274	9	- 9,749	320,349	-3,00%	8	- 8,548	320,385	-3,00%	7	- 4,947	320,493	320,623	320,623	0,000	7	4,947	320,497	8	8,548	320,389	-3,00%	9	9,748	320,353	-3,00%	10	11,248	320,278	33	12,506	319,439	0,9	0,8
19+0,000			33	- 12,568	319,420	10	- 11,294	320,269	9	- 9,794	320,344	-3,00%	8	- 8,594	320,380	-3,00%	7	- 4,993	320,488	320,620	320,620	0,000	7	4,993	320,495	8	8,594	320,387	-3,00%	9	9,794	320,351	-3,00%	10	11,294	320,276	33	12,563	319,430	0,8	0,8
19+1,553			33	- 12,574	319,435	10	- 11,328	320,266	9	- 9,828	320,341	-3,00%	8	- 8,627	320,377	-3,00%	7	- 5,027	320,485	320,618	320,618	0,000	7	5,027	320,494	8	8,627	320,386	-3,00%	9	9,827	320,350	-3,00%	10	11,327	320,275	33	12,606	319,423	0,8	0,9
19+4,493			33	- 12,588	319,465	10	- 11,391	320,262	9	- 9,891	320,337	-3,00%	8	- 8,691	320,373	-3,00%	7	- 5,090	320,481	320,613	320,613	0,000	7	5,090	320,492	8	8,691	320,384	-3,00%	9	9,891	320,348	-3,00%	10	11,391	320,273	33	12,632	319,446	0,8	0,8
20+0,000			33	- 12,966	319,404	10	- 11,728	320,229	9	- 10,228	320,304	-3,00%	8	- 9,028	320,340	-3,00%	7	- 5,427	320,448	320,601	320,601	0,000	7	5,427	320,448	8	9,028	320,340	-3,00%	9	10,228	320,304	-3,00%	10	11,728	320,229	33	13,158	319,276	0,8	1,0
21+0,000			33	- 13,269	319,550	10	- 12,162	320,288	9	- 10,662	320,363	-3,00%	8	- 9,462	320,399	-3,00%	7	- 5,861	320,507	320,603	320,603	0,000	7	5,861	320,480	8	9,461	320,372	-3,00%	9	10,661	320,336	-3,00%	10	12,161	320,261	33	13,852	319,134	0,7	1,1
21+14,862			33	- 13,715	319,425	10	- 12,446	320,271	9	- 10,946	320,346	-3,00%	8	- 9,746	320,346	-3,00%	7	- 6,146	320,490	320,601	320,601	0,000	7	6,146	320,460	8	9,746	320,352	-3,00%	9	10,946	320,316	-3,00%	10	12,446	320,241	33	14,233	319,049	0,8	1,2
22+0,000			33	- 13,859	319,383	10	- 12,529	320,270	9	- 11,029	320,345	-3,00%	8	- 9,829	320,381	-3,00%	7	- 6,228	320,489	320,607	320,607	0,000	7	6,228	320,455	8	9,828	320,347	-3,00%	9	11,028	320,311	-3,00%	10	15,528	320,236	33	14,350	319,022	0,9	1,2
22+0,995			33	- 11,043	319,711	10	-	-	9	- 11,044	320,344	-3,00%	8	- 9,844	320,380	-3,00%	7	- 6,243	320,488	320,608	320,608	0,000	7	6,243	320,453	8	8,843	320,345	-3,00%	9	11,043	320,309	-3,00%	10	12,543	320,234	33	14,370	319,016	-	1,2
22+4,364			33	- 18,957	319,239	10	-	-	9	- 18,957	320,346	-1,12%	8	-	-	-	7	- 6,292	320,488	320,610	320,610	0,000	7	6,292	320,448	8	9,892	320,340	-3,00%	9	11,092	320,304	-3,00%	10	12,592	320,229	33	14,436	318,999	-	1,2
23+0,000			33	- 20,102	319,265	10	- 18,865	320,090	9	- 17,365	320,165	-3,00%	8	- 15,405	320,224	-3,00%	7	- 10,071	320,384	320,610	320,610	0,000	7	6,470	320,434	8	10,071	320,326	-3,00%	9	11,271	320,290	-3,00%	10	12,771	320,215	33	14,318	319,183	0,8	1,0
23+3,855			33	- 19,580	319,194	10	- 18,213	320,105	9	- 16,713	320,180	-3,00%	8	- 14,841	320,237	-3,00%	7	- 10,103	320,379	320,605	320,605	0,000	7	6,503	320,436	8	-	-	-	9	11,303	320,292	-3,00%	10	-	-	33	11,303	319,716	-	0,6
23+10,509			33	- 19,024	319,088	10	- 17,476	320,121	9	- 15,976	320,196	-3,00%	8	- 14,841	320,230	-3,00%	7	- 10,148	320,370	320,597	320,597	0,000	7	6,548	320,441	8	-	-	-	9	11,348	320,297	-3,00%	10	-	-	33	11,348	319,666	-	0,6
23+13,486			33	- 18,752	319,093	10	- 17,203	320,126	9	- 15,703	320,201	-3,00%	8	- 14,041	320,251	-3,00%	7	- 10,163	320,367	320,593	320,593	0,000	7	6,563	320,443	8	10,163	320,335	-3,00%	9	18,604	320,081	-3,00%	10	-	-	33	18,604	319,187	-	0,9
24+0,000			33	- 18,514	318,968	10	- 16,770	320,130	9	- 15,270	320,205	-3,00%	8	- 13,846	320,248	-3,00%	7	- 10,188	320,357	320,590	320,590	0,000	7	10,188	320,336	8	17,104	320,129	-3,00%	9	19,368	320,061	-3,00%	10	20,868	319,986	33	21,667	319,453	1,2	0,5
24+8,813			33	- 15,000	319,056	10	-	-	9	- 15,000	320,196	-3,00%	8	- 13,800	320,232	-3,00%	7	- 10,200	320,340	320,597	320,597	0,000	7	10,200	320,325	8	15,228	320,174	-3,00%	9	17,141	320,116	-3,00%	10	18,641	320,041	33	19,738	319,310	1,1	0,7
25+0,000			33	- 18,391	318,842	10	- 16,500	320,103	9	- 15,000	320,178	-3,00%	8	- 13,800	320,214	-3,00%	7	- 10,200	320,322	320,604	320,604	0,000	7	10,200	320,313	8	14,102	320,196	-3,00%	9	15,778	320,145	-3,00%	10	17,278	320,070	33	18,486	319,265	1,3	0,8
25+16,516			33	- 18,054	319,050	10	- 16,500	320,085	9	- 15,000	320,160	-3,00%	8	- 13,800	320,196	-3,00%	7	- 10,200	320,304	320,596	320,596	0,000	7	10,200	320,313	8	13,800	320,205	-3,00%	9	15,000	320,169	-3,00%	10	16,500	320,094	33	17,136	319,669	1,0	0,4
26+0,000			33	- 17,878	319,176	10	- 16,500	320,094	9	- 15,000	320,169	-3,00%	8	- 13,800	320,205	-3,00%	7	- 10,200	320,313	320,596	320,596	0,000	7	10,200	320,315	8	13,800	320,207	-3,00%	9	15,000	320,171	-3,00%	10	16,500	320,096	33	16,914	319,820	0,9	0,3
26+4,322			33	- 17,679	319,331	10	- 16,500	320,118	9	- 15,000	320,193	-3,00%	8	- 13,800	320,229	-3,00%	7	- 6,600	320,445	320,599	320,599	0,000	7	6,600	320,431	8	13,800	320,215	-3,00%	9	15,000	320,179	-3,00%	10	16,500	320,104	33	16,712	319,962	0,8	0,1
27+0,000			33	- 16,856	319,927	10	- 16,500	320,164	9	- 15,000	320,239	-3,00%	8	- 13,800	320,275	-3,00%	7	- 6,600	320,491	320,610	320,610	0,000	7	6,600	320,475	8	13,800	320,259	-3,00%	9	15,000	320,223	-3,00%	10	16,500	320,148	33	17,062	319,773	0,2	0,4
28+0,000			33	- 17,616	319,348	10	- 16,500	320,092	9	- 15,000	320,167	-3,00%	8	- 13,800	320,203	-3,00%	7	- 10,200	320,311	320,617	320,617	0,000	7	10,200	320,334	8	13,800	320,226	-3,00%	9	15,000	320,190	-3,00%	10	16,500	320,115	33	17,136	319,691	0,7	0,4
28+0,349			33	- 17,625	319,342	10	- 16,500	320,092	9	- 15,000	320,167	-3,00%	8	- 13,800	320,203	-3,00%	7	- 10,200	320,311	320,617	320,617	0,000	7	10,200	320,314	8	13,800	320,206	-3,00%	9	15,000	320,170	-3,00%	10	16,500	320,095	33	17,122	319,680	0,8	0,4
29+0,000			33	- 18,815	319,255	10	- 17,583	320,077	9	- 16,083	320,152	-3,00%	8	- 14,307	320,205	-3,00%	7	- 10,130	320,331	320,616	320,616	0,000	7	10,140	320,347	8	13,800	320,237	-3,00%	9	15,000	320,201	-3,00%	10	16,500	320,126	33	17,841	319,232	0,8	0,9
29+8,052			33	- 19,776	319,299	10	- 18,638	320,057	9	- 17,138	320,132	-3,00%	8	- 15,224	320,190	-3,00%	7	- 10,080	320,344	320,607	320,607	0,000	7	10,080	320,370	8	13,800	320,258	-3,00%	9	15,000	320,222	-3,00%	10	16,500	320,147	33	18,039	319,121	0,8	1,0
30+0,000			33	- 22,739	319,455	10	- 21,984	319,958	9	- 20,484	320,033	-3,00%	8	- 18,055	320,106	-3,00%	7	- 9,955	320,349	320,609	320,609	0,000	7	9,955	320,375	8	14,206	320,247	-3,00%	9	15,406	320,211	-3,00%	10	16,906	320,136	33	18,649	318,974	0,5	1,2
30+2,783			33	- 19,194	319,310	10	-	-	9	- 19,194	320,228	-1,79%	8	-	-	-	7	- 9,880	320,395	320,612	320,612	0,000	7	9,919	320,378	8	14,409	320,243	-3,00%	9	15,609	320,207	-3,00%	10	17,109	320,132	33	18,889	318,946	-	1,2
30+5,604			33	- 11,081	319,236	10	-	-	9	- 11,081	320,374	-1,79%	8	- 9,880	320,395	-1,79%	7	- 6,280	320,459	320,615	320,615	0,000	7	9,880	320,380	8	14,175	320,251	-3,00%	9	15,880	320,200	-3,00%	10	17,380	320,125	33	19,181	318,925	-	1,2
30+12,384			33	- 10,978	319,492	10	-	-	9	- 10,978	320,323	-3,00%	8	- 9,777	320,359	-3,00%	7	- 6,177	320,467	320,620	320,620	0,000	7	9,777	320,387	8	14,765	320,237	-3,00%	9	16,628	320,181	-3,00%	10	18,128	320,106	33	19,915	318,915	-	1,2
31+0,000			33	- 13,770	319,290	10	- 12,346	320,240	9	- 10,846	320,315	-3,00%	8	- 9,646	320,351	-3,00%	7	- 6,046	320,459	320,604	320,604	0,000	7	6,045	320,483	8	15,996	320,185	-3,00%	9	18,005	320,124	-3,00%	10	19,505	320,049	33	21,025	319,036	0,9	1,0
31+11,538			33	- 14,139	318,894	10	- 12,140	320,226	9	- 10,640	320,301	-3,00%	8	- 9,440	320,337	-3,00%	7	- 5,840	320,445	320,573	320,573	0,000	7	5,831	320,399	8	-	-	-	9	18,207	320,237	-1,30%	10	-	-	33	18,207	318,812	-	1,4
31+14,761			33	- 14,216	318,783	10	- 12,083	320,222	9	- 10,583	320,297	-3,00%	8	- 9,383	320,333	-3,00%	7	- 5,783	320,441	320,568	320,568	0,000	7	5,772	320,429	8	-	-	-	9	10,573	320,285	-3,00%	10	-	-	33	10,573	319,581	-	0,7
32+0,000			33	- 14,399	318,602	10	- 11,990	320,208	9	- 10,490	320,283	-3,00%	8	- 9,290	320,319	-3,00%	7	- 5,689	320,427	320,562	320,562	0,000	7	5,675	320,418	8	-	-	-	9	10,476	320,274	-3,00%	10	-	-	33	10,476	319,662	-	0,6
32+1,107			33	- 14,432	318,563	10	- 11,970	320,205	9	- 10,470	320,280	-3,00%	8	- 9,270	320,316	-3,00%	7	- 5,669	320,424	320,561	320,561	0,000	7	5,654	320,415	8	-	-	-	9	10,455	320,271	-3,00%	10	-	-	33	10,455	319,636	-	0,6
32+6,467	PI		33	- 14,589	318,379	10	- 11,874	320,189	9	- 10,374	320,264	-3,00%	8	- 9,174	320,300	-3,00%	7	- 5,574	320,408	320,554	320,554	0,000	7	5,555	320,403	8	9,156	320,295	-3,00%	9	10,356	320,259	-3,00%	10	11,856	320,184	33	13,328	319,203	1,8	1,0
32+14,795			33	- 11,721	318,784	10	- 11,721	320,158	9	- 10,221	320,233	-3,00%	8	- 9,022	320,269	-3,00%	7	- 5,421	320,377	320,538	320,538	0,000	7	5,400	320,388	8	9,001	320,280	-3,00%	9	10,210	320,243	-3,00%	10	11,710	320,168	33	13,104	319,239	1,4	0,9
33+0,000			33	- 11,628	319,852	10	- 11,628	320,124	9	- 10,128	320,199	-3,00%	8	- 8,928	320,235	-3,00%	7	- 5,327	320,343	320,521	320,521	0,000	7	5,311	320,384	8	8,911	320,276	-3,00%	9	10,111	320,240	-3,00%	10	11,611	320,165	33	13,051	319,205	0,3	1,0
33+12,508			33	- 11,973	319,766	10	- 11,399	320,148	9	- 9,899	320,233	-2,79%	8	- 8,699	320,259	-3,00%	7	- 5,099	320,367	320,482	320,482	0,000	7	5,085	320,369	8	8,685	320,261	-3,00%	9	9,885	320,225	-3,00%	10	11,385	320,150	33	13,060	319,033	0,4	1,1
34+0,000			33	- 12,186	319,540	10	- 11,263	320,155	9	- 9,763	320,230	-3,00%	8	- 8,563	320,266	-3,00%	7	- 4,962	320,374	320,467	320,467	0,000	7	4,949	320,371	8	8,550	320,263	-3,00%	9	9,750	320,227	-3,00%	10	11,250	320,152	33	12,835	319,095	0,6	1,1
34+8,592			33	- 11,923	319,625	10	- 11,106	320,170	9	- 9,606	320,245	-3,00%	8	- 8,406	320,281	-3,00%	7	- 6,605	320,335	320,450	320,450	0,000	7	4,794	320,359	8	8,395	320,251	-3,00%	9	9,595	320,215	-3,00%	10	11,095	320,140	33	12,542	319,176	0,5	1,0
34+10,383			33	- 11,891	319,622	10	- 11,073	320,167	9	- 9,573	320,242	-3,00%	8	- 8,373	320,278	-3,00%	7	- 6,573	320,332	320,446	320,446	0,000	7	6,562	320,340	8	8,362	320,286	-3,00%	9	9,562	320,250	-3,00%	10	11,062	320,175	33	12,480	319,230	0,5	0,9
35+0,000			33	- 11,729	319,589	10	- 10,898	320,143	9	- 9,398	320,218	-3,00%	8	- 8,198	320,254	-3,00%	7	- 6,398	320,308	320,429	320,429	0,000	7	6,388	320,339	8	8,188	320,285	-3,00%	9	9,388	320,249	-3,00%	10	10,888	320,174	33	12,126	319,348	0,6	0,8
36+0,000			33	- 11,198	319,655	10	- 10,533	320,098	9	- 9,033	320,173	-3,00%	8	- 7,833	320,209	-3,00%	7	- 6,033	320,263	320,396	320,396	0,000	7	6,027	320,297	8	7,827	320,236	-3,00%	9	9,027	320,200	-3,00%	10	10,527	320,125	33	11,400	319,543	0,4	0,6
37+0,000			33	- 10,766	319,681	10	- 10,168	320,080	9	- 8,668	320,155	-3,00%	8	- 7,468	320,191	-3,00%	7	- 5,668	320,245	320,353	320,353	0,000	7	5,665	320,218	8	7,466	320,164	-3,00%	9	8,666	320,128	-3,00%	10	10,166	320,053	33	11,230	319,344	0,4	0,7
37+10,397			33	- 10,555	319,712	10	- 9,979	320,096	9	- 8,479	320,171	-3,00%	8	- 7,279	320,207	-	7	-	-	320,324	320,324	0,000	7	-	-	8	7,278	320,157	-	9	8,478	320,121	-3,00%	10	9,978	320,046	33	10,994	319,368	0,4	0,7
37+15,027			33	- 8,400	320,050	10	-	-	9	- 8,400	320,161	-3,00%	8	- 7,200	320,197	-	7	-	-	320,308	320,308	0,000	7	-	-	8	7,200	320,141	-	9	8,400	320,105	-3,00%	10	9,900	320,030	33	11,078	319,245	-	0,8
38+0,000			33	- 8,400	320,058	10	-	-	9	- 8,400	320,148	-3,00%	8	- 7,200	320,184	-	7	-	-	320,290	320,290	0,000	7	-	-	8	7,200	320,123	-	9	8,400	320,087	-3,00%	10	9,900	320,012	33	11,093	319,217	-	0,8
38+5,708			33	- 8,400	320,088	10	-	-	9	- 8,400	320,133	-3,00%	8	- 7,200	320,169	-	7	-	-	320,270	320,270	0,000	7	-	-	8	7,200	320,102	-	9	8,400	320,066	-3,00%	10	9,900	319,991	33	11,060	319,218	-	0,8
38+7,397			33	- 16,127	319,387	10	-	-	9	- 16,127	319,925	-2,68%	8	-	-	-	7	- 7,200	320,165	320,264	320,264	0,000	7	-	-	8	7,200	320,096	-	9	8,400	320,060	-3,00%	10	9,900	319,985	33	11,012	319,244	0,5	0,7
38+13,235			33	- 19,108	319,649	10	- 18,942	319,760	9	- 17,442	319,835	-3,00%	8	- 14,888	319,912	-3,00%	7	- 7,200	320,143	320,244	320,244	0,000	7	-	-	8	7,200	320,077	-	9	8,400	320,041	-3,00%	10	9,900	319,966	33	10,890	319,306	0,1	0,7
39+0,000			33	- 18,071	319,434	10	- 17,567	319,770	9	- 16,067	319,845	-3,00%	8	- 13,650	319,917	-3,00%	7	- 7,200	320,111	320,221	320,221	0,000	7	-	-	8	7,200	320,057	-	9	8,400	320,021	-3,00%	10	-	-	33	8,400	319,872	-	0,1
39+5,048			33	- 17,370	319,322	10	- 16,693	319,772	9	- 15,193	319,847	-3,00%	8	- 12,912	319,916	-3,00%	7	- 7,200	320,087	320,204	320,204	0,000	7	-	-	8	7,200	320,043	-	9	8,400	320,007	-3,00%	10	-	-	33	8,400	319,866	-	0,1
39+6,435			33	- 17,181	319,303	10	- 16,477	319,772	9	- 14,977	319,847	-3,00%	8	- 12,735	319,915	-3,00%	7	- 7,200	320,081	320,200	320,200	0,000	7	-	-	8	7,200	320,039	-	9	8,398	320,003	-3,00%	10	-	-	33	8,398	319,864	-	0,1

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — BR - 158

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																		COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA																		ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Acostamento / Faixa de Segurança / Concordância de Pista				Faixa de Aceleração ou Desaceleração				Bordo da pista						Bordo da pista			Faixa de Aceleração ou Desaceleração				Acostamento / Faixa de Segurança / Concordância de Pista				Fundo canaleta			Talude				
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Terreno Natural	Projeto	Cota vermelha	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
40+0,000			33	-15,806	319,172	10	-14,902	319,775	9	-13,402	319,850	-3,00%	8	-11,495	319,907	-3,00%	7	-7,200	320,036	320,161	320,161	0,000	7	7,200	319,995	8	12,907	319,823	-3,00%	9	15,188	319,755	-3,00%	10	16,688	319,680	33	17,583	319,083	0,6	0,6
41+0,000			33	-14,660	319,225	10	-13,838	319,773	9	-12,338	319,848	-3,00%	8	-10,846	319,892	-3,00%	7	-7,200	320,002	320,109	320,109	0,000	7	7,200	319,944	8	11,225	319,824	-3,00%	9	13,055	319,769	-3,00%	10	14,555	319,694	33	15,536	319,040	0,5	0,7
41+13,483			33	-14,153	319,330	10	-13,500	319,766	9	-12,000	319,841	-3,00%	8	-10,800	319,877	-3,00%	7	-7,200	319,985	320,078	320,078	0,000	7	7,200	319,928	8	11,179	319,809	-3,00%	9	12,379	319,773	-3,00%	10	13,879	319,698	33	15,050	318,917	0,4	0,8
42+0,000			33	-14,241	319,241	10	-13,500	319,735	9	-12,000	319,810	-3,00%	8	-10,800	319,846	-3,00%	7	-7,200	319,954	320,069	320,069	0,000	7	7,200	319,838	8	10,965	319,725	-3,00%	9	12,165	319,689	-3,00%	10	13,665	319,614	33	14,673	318,942	0,5	0,7
42+3,483			33	-14,303	319,183	10	-13,500	319,718	9	-12,000	319,793	-3,00%	8	-10,800	319,829	-3,00%	7	-7,200	319,937	320,063	320,063	0,000	7	7,200	319,908	8	10,882	319,798	-3,00%	9	12,082	319,762	-3,00%	10	13,582	319,687	33	14,674	318,958	0,5	0,7
42+8,389			33	-14,108	319,131	10	-13,249	319,703	9	-11,749	319,778	-3,00%	8	-10,548	319,814	-3,00%	7	-7,200	319,914	320,056	320,056	0,000	7	7,200	319,899	8	10,800	319,791	-3,00%	9	12,000	319,755	-3,00%	10	13,500	319,680	33	14,543	318,984	0,6	0,7
43+0,000			33	-14,233	318,618	10	-12,652	319,672	9	-11,152	319,747	-3,00%	8	-9,951	319,783	-3,00%	7	-7,200	319,866	320,016	320,016	0,000	7	7,200	319,854	8	10,800	319,746	-3,00%	9	12,000	319,710	-3,00%	10	13,500	319,635	33	14,470	318,988	1,1	0,6
43+18,389			33	-13,864	318,249	10	-11,706	319,688	9	-10,206	319,763	-3,00%	8	-9,005	319,799	-3,00%	7	-7,200	319,853	319,995	319,995	0,000	7	7,194	319,793	8	10,800	319,685	-3,00%	9	12,000	319,649	-3,00%	10	13,500	319,574	33	14,398	318,975	1,4	0,6
44+0,000			33	-13,804	318,241	10	-11,624	319,694	9	-10,124	319,769	-3,00%	8	-8,922	319,805	-3,00%	7	-7,200	319,857	319,999	319,999	0,000	7	7,193	319,790	8	10,717	319,685	-3,00%	9	11,919	319,648	-3,00%	10	13,419	319,573	33	14,307	318,982	1,5	0,6
45+0,000			33	-13,413	317,777	10	-10,595	319,655	9	-9,095	319,730	-3,00%	8	-7,893	319,766	-3,00%	7	-7,200	319,787	319,946	319,946	0,000	7	7,200	319,738	8	9,689	319,663	-3,00%	9	10,890	319,627	-3,00%	10	12,390	319,552	33	13,056	319,108	1,9	0,4
45+13,483			33	-13,045	317,464	10	-9,902	319,560	9	-8,402	319,635	-3,00%	8	-7,200	319,671	-	7	-	-	319,854	319,854	0,000	7	7,200	319,674	8	8,995	319,620	-3,00%	9	10,197	319,584	-3,00%	10	11,697	319,509	33	12,324	319,091	2,1	0,4
46+0,000			33	-	-	10	-	-	9	-	-	-	8	-	-	-	7	-	-	319,814	319,814	0,000	7	7,200	319,631	8	8,660	319,587	-3,00%	9	9,862	319,551	-3,00%	10	11,362	319,476	33	11,946	319,087	-	0,4
47+0,000			33	-	-	10	-	-	9	-	-	-	8	-	-	-	7	-	-	319,695	319,695	0,000	7	7,200	319,524	8	7,631	319,511	-3,00%	9	8,833	319,475	-3,00%	10	10,333	319,400	33	10,704	319,153	-	0,2
47+8,389			33	-	-	10	-	-	9	-	-	-	8	-	-	-	7	-	-	319,575	319,575	0,000	7	-	-	8	7,200	319,399	-	9	8,402	319,363	-3,00%	10	9,902	319,288	33	10,234	319,067	-	0,2

4.1.5.Interseção Est.965+0,000

4.1.5.1. Ramo 100

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS

Dispositivo Est. 965+0,000 - Ramo 100

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																		COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA																		ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança / Concordância de Pista				Faixa de Aceleração ou Desaceleração				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Faixa de Aceleração ou Desaceleração				Acostamento / Faixa de Segurança / Concordância de Pista				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
100+0,000	TE	PPV	33	-	-	10	-	-	9	-	-	-	8	-	-	-	7	-	313,854	-	312,922	313,854	0,932	7	3,600	313,746	-3,00%	8	-	-	-	9	6,100	313,621	-5,00%	10	7,600	313,546	33	8,684	312,823	-	0,7
100+17,917			33	-0,026	312,895	10	-	-	9	-	-	-	8	-	-	-	7	-0,026	313,944	0,00%	312,895	313,944	1,049	7	3,600	313,836	-3,00%	8	-	-	-	9	6,100	313,711	-5,00%	10	7,600	313,636	33	8,788	312,844	-	0,8
101+0,000		PCV	33	-0,042	312,890	10	-	-	9	-	-	-	8	-	-	-	7	-0,042	313,955	3,00%	312,889	313,954	1,065	7	3,600	313,846	-3,00%	8	-	-	-	9	6,100	313,721	-5,00%	10	7,600	313,646	33	8,802	312,845	-	0,8
101+15,526			33	-0,217	312,878	10	-	-	9	-	-	-	8	-	-	-	7	-0,217	314,032	3,00%	312,877	314,026	1,149	7	3,600	313,918	-3,00%	8	-	-	-	9	6,100	313,793	-5,00%	10	7,600	313,718	33	8,913	312,842	-	0,9
102+0,000			33	-0,307	312,875	10	-	-	9	-	-	-	8	-	-	-	7	-0,307	314,054	3,38%	312,874	314,044	1,170	7	3,600	313,922	-3,38%	8	-	-	-	9	6,100	313,797	-5,00%	10	7,600	313,722	33	8,920	312,842	-	0,9
102+5,000	EC		33	-0,442	312,873	10	-	-	9	-	-	-	8	-	-	-	7	-0,442	314,080	3,80%	312,872	314,063	1,192	7	3,600	313,926	-3,80%	8	-	-	-	9	6,100	313,801	-5,00%	10	7,600	313,726	33	8,920	312,846	-	0,9
103+0,000			33	-1,103	312,861	10	-	-	9	-	-	-	8	-	-	-	7	-1,103	314,156	3,80%	312,870	314,114	1,244	7	3,600	313,977	-3,80%	8	-	-	-	9	6,100	313,852	-5,00%	10	7,600	313,777	33	8,931	312,890	-	0,9
103+8,150			33	-1,627	312,823	10	-	-	9	-1,627	314,198	3,80%	8	-	-	-	7	-1,400	314,190	3,80%	312,841	314,136	1,295	7	3,600	314,000	-3,80%	8	-	-	-	9	6,100	313,875	-5,00%	10	7,600	313,800	33	8,926	312,916	1,4	0,9
103+8,386			33	-1,643	312,822	10	-	-	9	-1,643	314,200	3,80%	8	-	-	-	7	-1,400	314,190	3,80%	312,840	314,137	1,297	7	3,600	314,000	-3,80%	8	-	-	-	9	6,100	313,875	-5,00%	10	7,600	313,800	33	8,926	312,916	1,4	0,9
104+0,000			33	-2,595	312,762	10	-	-	9	-2,595	314,262	3,80%	8	-	-	-	7	-1,400	314,217	3,80%	312,779	314,164	1,384	7	3,600	314,027	-3,80%	8	-	-	-	9	6,100	313,902	-5,00%	10	7,600	313,827	33	8,943	312,931	1,5	0,9
104+8,150			33	-2,400	312,681	10	-	-	9	-2,400	314,269	3,80%	8	-	-	-	7	-1,400	314,231	3,80%	312,705	314,178	1,473	7	3,600	314,041	-3,80%	8	-	-	-	9	6,100	313,916	-5,00%	10	7,600	313,841	33	9,035	312,884	1,6	1,0
104+11,772	CE		33	-2,400	312,649	10	-	-	9	-2,400	314,275	3,80%	8	-	-	-	7	-1,400	314,237	3,80%	312,684	314,183	1,500	7	3,600	314,047	-3,80%	8	-	-	-	9	6,100	313,922	-5,00%	10	7,600	313,847	33	9,030	312,893	1,6	1,0
105+0,000			33	-6,332	312,571	10	-3,900	314,193	9	-2,400	314,268	3,11%	8	-	-	-	7	-1,400	314,237	3,11%	312,638	314,193	1,555	7	3,600	314,081	-3,11%	8	-	-	-	9	6,100	313,956	-5,00%	10	7,600	313,881	33	8,955	312,978	1,6	0,9
105+1,248			33	-6,356	312,554	10	-3,900	314,191	9	-2,400	314,266	3,00%	8	-	-	-	7	-1,400	314,236	3,00%	312,645	314,194	1,550	7	3,600	314,086	-3,00%	8	-	-	-	9	6,100	313,961	-5,00%	10	7,600	313,886	33	8,942	312,992	1,6	0,9
105+19,470			33	-5,923	312,814	10	-3,900	314,163	9	-2,400	314,238	1,46%	8	-	-	-	7	-1,400	314,223	1,46%	312,954	314,203	1,249	7	3,600	314,150	-1,46%	8	-	-	-	9	6,100	314,025	-5,00%	10	7,600	313,950	33	9,080	312,963	1,3	1,0
106+0,000			33	-5,897	312,830	10	-3,900	314,162	9	-2,400	314,237	1,42%	8	-	-	-	7	-1,400	314,223	1,42%	312,949	314,203	1,253	7	3,600	314,152	-1,42%	8	-	-	-	9	6,100	314,027	-5,00%	10	7,600	313,952	33	9,084	312,962	1,3	1,0
106+16,772	EER		33	-5,888	312,795	10	-3,900	314,120	9	-2,400	314,195	0,00%	8	-	-	-	7	-1,400	314,195	0,00%	312,820	314,195	1,375	7	3,600	314,195	0,00%	8	-	-	-	9	6,100	314,070	-5,00%	10	7,600	313,995	33	9,282	312,874	1,3	1,1
106+16,780			33	-5,888	312,795	10	-3,900	314,120	9	-2,400	314,195	0,00%	8	-	-	-	7	-1,400	314,195	0,00%	312,820	314,195	1,376	7	3,600	314,195	0,00%	8	-	-	-	9	6,100	314,070	-5,00%	10	7,600	313,995	33	9,282	312,873	1,3	1,1
107+0,000			33	-5,899	312,776	10	-3,900	314,109	9	-2,400	314,184	-0,34%	8	-	-	-	7	-1,400	314,187	-0,34%	312,810	314,192	1,382	7	3,600	314,204	0,34%	8	-	-	-	9	6,100	314,079	-5,00%	10	7,600	314,004	33	9,299	312,872	1,3	1,1
108+0,000			33	-5,863	312,719	10	-3,900	314,027	9	-2,400	314,102	-2,48%	8	-	-	-	7	-1,400	314,127	-2,48%	312,827	314,161	1,334	7	3,600	314,251	2,48%	8	-	-	-	9	6,100	314,126	-5,00%	10	7,600	314,051	33	9,124	313,035	1,3	1,0
108+4,905			33	-5,806	312,733	10	-3,900	314,004	9	-2,400	314,079	-3,00%	8	-	-	-	7	-1,400	314,109	-3,00%	312,866	314,151	1,285	7	3,600	314,259	3,00%	8	-	-	-	9	6,100	314,159	-4,00%	10	7,600	314,084	33	9,134	313,061	1,3	1,0
109+0,000			33	-5,458	312,886	10	-3,900	313,925	9	-2,400	314,000	-4,61%	8	-	-	-	7	-1,400	314,046	-4,61%	312,993	314,111	1,118	7	3,600	314,277	4,61%	8	-	-	-	9	6,100	314,217	-2,39%	10	7,600	314,142	33	9,190	313,082	1,0	1,1
109+1,780	EC		33	-5,410	312,908	10	-3,900	313,915	9	-2,400	313,990	-4,80%	8	-	-	-	7	-1,400	314,038	-4,80%	313,015	314,105	1,090	7	3,600	314,278	4,80%	8	-	-	-	9	6,100	314,223	-2,20%	10	7,600	314,148	33	9,198	313,082	1,0	1,1
110+0,000			33	-5,194	312,987	10	-3,900	313,849	9	-2,400	313,924	-4,80%	8	-	-	-	7	-1,400	313,972	-4,80%	313,007	314,040	1,033	7	3,600	314,212	4,80%	8	-	-	-	9	6,100	314,157	-2,20%	10	7,600	314,082	33	9,259	312,976	0,9	1,1
110+1,556			33	-5,188	312,984	10	-3,900	313,843	9	-2,400	313,916	-4,80%	8	-	-	-	7	-1,400	313,966	-4,80%	312,998	314,033	1,035	7	3,600	314,206	4,80%	8	-	-	-	9	6,100	314,151	-2,20%	10	7,600	314,076	33	9,263	312,968	0,9	1,1
110+4,732			33	-5,177	312,979	10	-3,900	313,830	9	-2,400	313,905	-4,80%	8	-	-	-	7	-1,400	313,953	-4,80%	312,979	314,020	1,041	7	3,600	314,193	4,80%	8	-	-	-	9	6,100	314,138	-2,20%	10	7,600	314,063	33	9,268	312,951	0,9	1,1
110+12,425			33	-2,400	312,933	10	-	-	9	-2,400	313,870	-4,80%	8	-	-	-	7	-1,400	313,918	-4,80%	312,933	313,986	1,052	7	3,600	314,158	4,80%	8	-	-	-	9	6,100	314,103	-2,20%	10	7,600	314,028	33	9,274	312,912	-	1,1
110+16,838			33	-13,593	312,873	10	-	-	9	-13,593	313,701	-1,94%	8	-2,931	313,908	-1,94%	7	-1,400	313,937	-1,94%	312,907	313,964	1,057	7	3,600	314,137	4,80%	8	-	-	-	9	6,100	314,082	-2,20%	10	7,600	314,007	33	9,274	312,892	-	1,1
111+0,000		PTV	33	-15,982	312,852	10	-15,455	313,204	9	-13,955	313,279	-4,80%	8	-	-	-	7	-12,455	313,351	-4,80%	312,888	313,949	1,060	7	3,600	314,121	4,80%	8	-	-	-	9	6,100	314,066	-2,20%	10	7,600	313,991	33	9,271	312,877	0,4	1,1
111+1,332	CE		33	-15,556	312,853	10	-15,007	313,219	9	-13,507	313,294	-4,80%	8	-	-	-	7	-12,007	313,366	-4,80%	312,880	313,942	1,062	7	3,600	314,115	4,80%	8	-	-	-	9	6,100	314,060	-2,20%	10	7,600	313,985	33	9,270	312,872	0,4	1,1
111+18,207			33	-12,003	312,818	10	-10,984	313,497	9	-9,484	313,572	-3,00%	8	-	-	-	7	-7,984	313,617	-3,00%	312,798	313,857	1,059	7	3,600	313,965	3,00%	8	-	-	-	9	6,100	313,865	-4,00%	10	7,600	313,790	33	9,109	312,784	0,7	1,0
112+0,000			33	-11,768	312,812	10	-10,744	313,495	9	-9,244	313,570	-3,00%	8	-	-	-	7	-7,744	313,615	-3,00%	312,792	313,848	1,055	7	3,600	313,949	2,81%	8	-	-	-	9	6,100	313,849	-4,00%	10	7,600	313,774	33	9,086	312,783	0,7	1,0
112+5,892			33	-11,251	312,793	10	-10,218	313,481	9	-8,718	313,556	-3,00%	8	-	-	-	7	-7,218	313,601	-3,00%	312,774	313,818	1,044	7	3,600	313,896	2,18%	8	-	-	-	9	6,100	313,796	-4,00%	10	7,600	313,721	33	9,010	312,781	0,7	0,9
112+10,255			33	-11,125	312,779	10	-10,100	313,463	9	-8,600	313,538	-3,00%	8	-8,600	313,538	-3,00%	7	-3,600	313,688	-3,00%	312,773	313,796	1,023	7	3,600	313,858	1,71%	8	3,824	313,854	-1,70%	9	6,100	313,815	-1,70%	10	7,600	313,740	33	9,040	312,780	0,7	1,0
113+0,000			33	-11,080	312,760	10	-10,100	313,414	9	-8,600	313,489	-3,00%	8	-7,100	313,534	-3,00%	7	-3,600	313,639	-3,00%	312,769	313,747	0,977	7	3,600	313,771	0,68%	8	4,412	313,765	-0,68%	9	6,100	313,754	-0,68%	10	7,600	313,679	33	8,952	312,777	0,7	0,9
113+6,332	ET		33	-11,033	312,759	10	-10,100	313,382	9	-8,600	313,457	-3,00%	8	-7,100	313,502	-3,00%	7	-3,600	313,607	-3,00%	312,767	313,715	0,947	7	3,600	313,715	0,00%	8	4,827	313,715	0,00%	9	6,100	313,715	0,00%	10	7,600	313,640	33	8,894	312,777	0,6	0,9
113+7,403			33	-11,025	312,760	10	-10,100	313,376	9	-8,600	313,451	-3,00%	8	-7,100	313,496	-3,00%	7	-3,600	313,601	-3,00%	312,767	313,709	0,942	7	3,600	313,705	-0,11%	8	4,897	313,704	-0,11%	9	6,100	313,702	-0,11%	10	7,600	313,627	33	8,876	312,777	0,6	0,9
114+0,000			33	-10,922	312,765	10	-10,100	313,312	9	-8,600	313,387	-3,00%	8	-7,100	313,432	-3,00%	7	-3,600	313,537	-3,00%	312,764	313,645	0,882	7	3,600	313,593	-1,46%	8	5,729	313,562	-1,46%	9	6,932	313,544	-1,46%	10	8,432	313,469	33	9,468	312,779	0,5	0,7
114+14,457			33	-10,831	312,752	10	-10,100	313,239	9	-8,600	313,314	-3,00%	8	-7,100	313,359	-3,00%	7	-3,600	313,464	-3,00%	312,755	313,572	0,818	7	3,600	313,464	-3,00%	8	6,684	313,372	-3,00%	9	7,886	313,336	-3,00%	10	9,386	313,261	33	10,073	312,803	0,5	0,5
115+0,000			33	-10,800	312,744	10	-10,100	313,211	9	-8,600	313,286	-3,00%	8	-7,100	313,331	-3,00%	7	-3,600	313,436	-3,00%	312,769	313,544	0,776	7	3,600	313,436	-3,00%	8	7,050	313,333	-3,00%	9	8,252	313,297	-3,00%	10	9,752	313,222	33	10,358	312,818	0,5	0,4
115+0,760			33	-10,796	312,743	10	-10,100	313,208	9	-8,600	313,283	-3,00%	8	-7,100	313,328	-3,00%	7	-3,600	313,433	-3,00%	312,771	313,541	0,770	7	3,600	313,433	-3,00%	8	7,100	313,328	-3,00%	9	8,300	313,292	-3,00%	10	9,800	313,217	33	10,394	312,820	0,5	0,4
115+10,760			33	-10,719	312,744	10	-10,100	313,157	9	-8,600	313,232	-3,00%	8	-7,100	313,277	-3,00%	7	-3,600	313,382	-3,00%	312,796	313,490	0,694	7	3,600	313,382	-3,00%	8	7,100	313,277	-3,00%	9	8,300	313,241	-3,00%	10	9,800	313,166	33	10,282	312,845	0,4	0,3
115+17,282	PC		33	-10,681	312,737	10	-10,100	313,124	9	-8,600	313,199	-3,00%	8	-7,100	313,244	-3,00%	7	-3,600	313,349	-3,00%	312,812	313,457	0,645	7	3,600	313,349	-3,00%	8	7,527	313,231	-3,00%	9	8,738	313,195	-3,00%	10	10,238	313,120	33	10,623	312,863	0,4	0,3
116+0,000			33	-10,666	312,733	10	-10,100	313,110	9	-8,600	313,185	-3,00%	8	-7,100	313,230	-3,00%	7	-3,600	313,335	-3,00%	312,819	313,443	0,624	7	3,600	313,335	-3,00%	8	7,964	313,204	-3,00%	9	9,186	313,168	-3,00%	10	10,686	313,093	33	11,018	312,872	0,4	0,2
116+19,190			33	-10,571	312,699	10	-10,100	313,013	9	-8,600	313,088	-3,00%	8	-7,100	313,133	-3,00%	7	-3,600	313,238	-3,00%	312,769	313,346	0,578	7	3,600	313,238	-3,00%	8	5,522	313,190	-2,53%	9	16,145	312,921	-2,53%	10	-	-	33	16,145	312,857	0,3	-
117+0,000			33	-10,567	312,698	10	-10,100	313,009	9	-8,600	313,084	-3,00%	8	-7,100	313,129	-3,00%	7	-3,600	313,234	-3,00%	312,766	313,342	0,576	7	3,600	313,234	-3,00%	8	5,987	313,177	-2,38%	9	14,996	312,963	-2,38%	10	-	-	33	14,996	312,851	0,3	-
117+5,555			33	-10,536	312,690	10	-10,100	312,981	9	-8,600	313,056	-3,00%	8	-7,100	313,101	-3,00%	7	-3,600	313,206	-3,00%	312,756	313,314	0,559	7	3,600	313,206	-3,00%	8	-	-	-	9	6,100	313,131	-3,00%	10	-	-	33	6,100	312,794	0,3	-
118+0,000			33	-10,464	312,665	10	-10,100	312,908	9	-8,600	312,983	-3,00%	8	-7,100	313,028	-3,00%	7	-3,600	313,133	-3,00%	312,718	313,241	0,524	7	3,600	313,133	-3,00%	8	-	-	-	9	6,100	313,058	-3,00%	10	7,600	312,983	33	7,939	312,757	0,2	0,2
118+10,062			33	-10,446	312,627	10	-10,100	312,857	9	-8,600	312,932	-3,00%	8	-7,100	312,977	-3,00%	7	-3,600	313,082	-3,00%	312,677	313,190	0,513	7	3,600	313,082	-3,00%	8	-	-	-	9	6,100	313,007	-3,00%	10	7,600	312,932	33	7,924	312,717	0,2	0,2
119+0,000			33	-10,413	312,598	10	-10,100	312,807	9	-8,600	312,882	-3,00%	8	-7,100	312,927	-3,00%	7	-3,600	313,032	-3,00%	312,637	313,140	0,503	7	3,600	313,032	-3,00%	8	-	-	-	9	6,100	312,957	-3,00%	10	7,600	312,882	33	7,908	312,677	0,2	0,2
119+19,215			33	-10,349	312,544	10	-10,100	312,710	9	-8,600	312,785	-3,00%	8	-7,100	312,830	-3,00%	7	-3,600	312,935	-3,00%	312,558	313,043	0,485	7	3,600	312,935	-3,00%	8	-	-	-	9	6,100	312,860	-3,00%	10	7,600	312,785	33	7,876	312,601	0,2	0,2
120+0,000			33	-10,347	312,541	10	-10,100	312,706	9	-8,600	312,781	-3,00%	8	-7,100	312,826	-3,00%	7	-3,600	312,931	-3,00%	312,555	313,039	0,484	7	3,600	312,931	-3,00%	8	-	-	-	9	6,100	312,856	-3,00%	10	-	-	33	6,100	312,586	0,2	-
120+5,180			33	-10,330	312,526	10	-10,100	312,680	9	-8,600	312,755	-3,00%	8	-7,100	312,800	-3,00%	7	-3,600	312,905	-3,00%	312,534	313,013	0,479	7	3,600	312,905	-3,00%	8	-	-	-	9	6,100	312,830	-3,00%	10	-	-	33	6,100	312,566	0,2	-
120+10,992			33	-10,313	312,508	10	-10,100	312,651	9	-8,600	312,726	-3,00%	8	-7,100	312,771	-3,00%	7	-3,600	312,876	-3,00%	312,516	312,984	0,467	7	3,600	312,876	-3,00%	8	4,905	312,840	-2,69%	9	15,371	312,559	-2,69%	10	-	-	33	15,372	312,573	0,1	-
121+0,000		PCV	33	-10,288	312,480	10	-10,100	312,605	9	-8,600	312,680	-3,00%	8	-7,100	312,725	-3,00%	7	-3,600	312,830	-3,00%	312,489	312,938	0,449	7	3,600	312,830	-3,00%	8	10,625	312,619	-3,00%	9	11,919	312,580	-3,00%	10	13,419	312,205	33	13,726	312,513	0,1	-0,3
121+2,842	PT		33	-10,279	312,471	10	-10,100	312,591	9	-8,600	312,666	-3,00%	8	-7,100	312,711	-3,00%	7	-3,600	312,816	-3,00%	312,476	312,924	0,448	7	3,600	312,816	-3,00%	8	9,590	312,636	-3,00%	9	10,855	312,598	-3,00%	10	12,355	312,523	33	12,393	312,498	0,1	0,0
121+10,000			33	-10,280	312,435	10	-10,100	312,554	9	-8,600	312,629	-3,00%	8	-7,100	312,674	-3,00%	7	-3,600	312,779	-3,00%	312,439	312,887	0,449	7	3,600	312,779	-3,00%	8	7,815	312,653	-3,00%	9	9,033	312,616	-3,00%	10	10,533	312,541	33	10,661	312,456	0,1	0,1
121+18,425			33	-10,304	312,371	10	-10,100	312,507	9	-8,600	312,582	-3,00%	8	-7,100	312,627	-3,00%	7	-3,600	312,732	-3,00%	312,395	312,840	0,445	7	3,600	312,732	-3,00%	8	7,100	312,627	-3,00%	9	8,300	312,591	-3,00%	10	9,800	312,516	33	9,963	312,407	0,1	0,1
122+0,000			33	-10,311	312,356	10	-10,100	312,497	9	-8,600	312,572	-3,00%	8	-7,100	312,617	-3,00%	7	-3,600	312,722	-3,00%	312,386	312,830	0,443	7	3,600	312,722	-3,00%	8	7,100	312,617	-3,00%	9	8,300	312,581	-3,00%	10	9,800	312,506	33	9,961	312,399	0,1	0,1
122+13,424			33	-10,347	312,231	10	-10,100	312,396	9	-8,600	312,471	-3,00%	8	-7,100	312,516	-3,00%	7	-3,600	312,621	-3,00%	312,316	312,729	0,413	7	3,600	312,621	-3,00%	8	7,100	312,516	-3,00%	9	8,300	312,480	-3,00%	10	9,800	312,405	33	9,922	312,324	0,2	0,1
123+0,000			33	-10,351	312,170	10	-10,100	312,338	9	-8,600	312,413	-3,00%	8	-7,100	312,458	-3,00%	7	-3,600	312,563	-3,00%	312,261	312,671	0,410	7	3,600	312,563	-3,00%	8	6,682	312,470	-3,00%	9	7,884	312,434	-3,00%	10	9,384	312,359	33	9,493	312,287	0,2	0,1
123+10,000			33	-10,338	312,078	10	-10,100	312,236	9	-8,600	312,311	-3,00%	8	-7,100	312,356	-3,00%	7	-3,600	312,461	-3,00%	312,168	312,569	0,401	7	3,600	312,461	-3,00%	8	6,045	312,388	-3,00%	9	7,248	312,352	-3,00%	10	8,748	312,277	33	8,813	312,233	0,2	0,0
124+0,000			33	-10,303	311,985	10	-10,100	312,120	9	-8,600	312,195	-3,00%	8	-7,100	312,240	-3,00%	7	-3,600	312,345	-3,00%	312,075	312,453	0,378	7	3,600	312,345	-3,00%	8	5,409	312,291	-3,00%	9	6,611	312,255	-3,00%	10	8,111	312,180	33	8,181	312,133	0,1	0,0
124+0,893			33	-10,299	311,977	10	-10,100	312,109	9	-8,600	312,184	-3,00%	8	-7,100	312,229	-3,00%	7	-3,600	312,334	-3,00%	312,061	312,442	0,381	7	3,600	312,334	-3,00%	8	5,352	312,282	-3,00%	9	6,554	312,246	-3,00%	10	8,054	312,171	33	8,136	312,116	0,1	0,1
124+8,034			33	-10,337	311,859	10	-10,100	312,017	9	-8,600	312,092	-3,00%	8	-7,100	312,137	-3,00%	7	-3,600	312,242	-3,00%	311,929	312,350	0,421	7	3,600	312,269	-2,25%	8	4,898	312,240	-2,24%	9	6,100	312,213	-2,24%	10	7,600	312,138	33	7,842	311,977	0,2	0,2
124+17,258			33	-10,276	311,769	10	-10,100	311,886	9	-8,600	311,961	-3,00%	8	-7,100	312,006	-3,00%	7	-3,600	312,111	-3,00%	311,757	312,219	0,462	7	3,600	312,174	-1,25%	8	4,311	312,165	-1,25%	9	6,100	312,143	-1,25%	10	7,600	312,068	33	8,010	311,795	0,1	0,3
125+0,000			33	-10,302	311,745	10	-10,154	311,844	9	-8,654	311,919	-3,00%	8	-7,154	311,964	-3,00%	7	-3,600	312,070	-3,00%	311,705	312,178	0,473	7	3,600	312,144	-0,96%	8	4,136	312,139	-0,96%	9	6,100	312,120	-0,96%	10	7,600	312,045	33	8,056	311,741	0,1	0,3
125+9,018	TE		33	-11,119	311,657	10	-11,095	311,672	9	-9,595	311,747	-3,00%	8	-8,095	311,792	-3,00%	7	-3,600	311,927	-3,00%	311,506	312,035	0,530	7	3,600	312,035	0,00%	8	-	-	-	9	6,100	311,910	-5,00%	10	7,600	311,835	33	8,010	311,562	0,0	0,3
125+10,000		PTV	33	-11,282	311,642	10	-11,269	311,651	9	-9,769	311,726	-3,00%	8	-8,269	311,771	-3,00%	7	-3,600	311,911	-3,00%	311,482	312,019	0,537	7	3,600	312,023	0,10%	8	-	-	-	9	6,100	311,898	-5,00%	10	7,600	311,823	33	8,021	311,542	0,0	0,3
126+0,000			33	-14,252	311,501	10	-13,858	311,107	9	-12,358	311,482	-3,00%	8	-10,858	311,527	-3,00%	7	-3,600	311,744	-3,00%	311,257	311,852	0,596	7	3,600	311,895	1,17%	8	-	-	-	9	6,100	311,770	-5,00%	10	7,600	311,695	33	8,138	311,336	-0,4	0,4
126+7,600			33	-14,591	311,382	10	-	-	9	-14,591	311,324	-2,67%	8	-	-	-	7	-3,600	311,618	-3,00%	311,097	311,726	0,629	7	3,600	311,797	1,98%	8	-	-	-	9	6,100	311,685	-4,49%	10	7,600	311,610	33	8,280	311,156	-	0,5
126+15,936			33	-4,598	311,014	10	-	-	9	-4,598	311,449	-3,00%	8	-	-	-	7	-3,598	311,479	-3,00%	310,924	311,587	0,663	7	3,600	311,695	3,00%	8	-	-	-	9	6,100	311,595	-4,00%	10	7,600	311,520	33	8,445	310,956	-	0,6
126+17,143			33	-4,548	310,991	10	-	-	9	-4,548	311,430	-3,00%	8	-	-	-	7	-3,548	311,460	-3,00%	310,899	311,567	0,668	7	3,600	311,675	3,00%	8	-	-	-	9	6,100	311,575	-4,00%	10	7,600	311,500	33	8,459	310,927	-	0,6
127+0,000			33	-6,412	310,979	10	-5,934	311,298	9	-4,434	311,373	-3,30%	8	-	-	-	7	-3,434	311,406	-3,30%	310,841	311,519	0,679	7	3,600	311,638	3,30%	8	-	-	-	9	6,100	311,546	-3,70%	10	7,600	311,471	33	8,519	310,858	0,3	0,6
127+14,018	EC		33	-5,903	310,715	10	-5,443	311,021	9	-3,943	311,096	-4,80%	8	-	-	-	7	-2,943	311,144	-4,80%	310,577	311,286	0,709	7	3,600	311,459	4,80%	8	-	-	-	9	6,100	311,404	-2,20%	10	7,600	311,329	33	8,825	310,512	0,3	0,8
128+0,000			33	-5,715	310,608	10	-5,229	310,932	9	-3,729	311,007	-4,80%	8	-	-	-	7	-2,729	311,055	-4,80%	310,472	311,186	0,714	7	3,600	311,359	4,80%	8	-	-	-	9	6,100	311,304	-2,20%	10	7,600	311,229	33	8,901	310,362	0,3	0,9
128+6,596			33	-5,488	310,493	10	-4,976	310,834	9	-3,476	310,909	-4,80%	8	-	-	-	7	-2,476	310,957	-4,80%	310,371	311,076	0,705	7	3,600	311,249	4,80%	8	-	-	-	9	6,100	311,194	-2,20%	10	7,600	311,119	33	8,975	310,202	0,3	0,9
128+19,174	CE		33	-4,924	310,334	10	-4,450	310,650	9	-2,950	310,725	-4,80%	8	-	-	-	7	-1,950	310,773	-4,80%	310,223	310,867	0,643	7	3,600	311,039	4,80%	8	-	-	-	9	6,100	310,984	-2,20%	10	7,600	310,909	33	8,919	310,030	0,3	0,9
129+0,000			33	-4,888	310,324	10	-4,413	310,641	9	-2,913	310,716	-4,71%	8	-	-	-	7	-1,913	310,763	-4,71%	310,214	310,853	0,639	7	3,600	311,023	4,71%	8	-	-	-	9	6,100	310,965	-2,29%	10	7,600	310,890	33	8,903	310,021	0,3	0,9
129+5,000		PCV	33	-4,664	310,265	10	-4,189	310,582	9	-2,689	310,657	-4,18%	8	-	-	-	7	-1,689	310,699	-4,18%	310,159	310,770	0,610	7	3,600	310,920	4,18%	8	-	-	-	9	6,100	310,850	-2,82%	10	7,600	310,775	33	8,810	309,968	0,3	0,8
129+11,618			33	-4,374	310,182	10	-3,900	310,513	9	-2,400	310,573	-3,47%	8	-	-	-	7	-1,400	310,608	-3,47%	310,090	310,656	0,566	7	3,600	310,781	3,47%	8	-	-	-	9	6,100	310,693	-3,53%	10	7,600	310,618	33	8,678	309,900	0,3	0,7
129+16,051			33	-4,395	310,100	10	-3,900	310,430	9	-2,400	310,505	-3,00%	8	-	-	-	7	-1,400	310,535	-3,00%	310,045	310,577	0,532	7	3,600	310,685	3,00%	8	-	-	-	9	6,100	310,585	-4,00%	10	7,600	310,510	33	8,581	309,857	0,3	0,7
130+0,000			33	-4,441	310,008	10	-3,900	310,368	9	-2,400	310,443	-2,58%	8	-	-	-	7	-1,400	310,469	-2,58%	309,961	310,505	0,544	7	3,600	310,598	2,58%	8	-	-	-	9	6,100	310,473	-5,00%	10	7,600	310,398	33	8,467	309,820	0,4	0,6
131+0,000			33	-4,607	309,549	10	-3,900	310,020	9	-2,400	310,095	-0,45%	8	-	-	-	7	-1,400	310,100	-0,45%	309,491	310,106	0,615	7	3,600	310,122	0,45%	8	-	-	-	9	6,100	309,997	-5,00%	10	7,600	309,922	33	8,389	309,396	0,5	0,5

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 965+0,000 - Ramo 100

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																		COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA																		ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança / Concordância de Pista				Faixa de Aceleração ou Desaceleração				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Faixa de Aceleração ou Desaceleração				Acostamento / Faixa de Segurança / Concordância de Pista				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
131+4,174	EER		33	- 4,609	309,468	10	- 3,900	309,941	9	- 2,400	310,016	0,00%	8	-	-	-	7	- 1,400	310,016	0,00%	309,404	310,016	0,612	7	3,600	310,016	0,00%	8	-	-	-	9	6,100	309,891	-5,00%	10	7,600	309,816	33	8,374	309,300	0,5	0,5
131+4,179			33	- 4,609	309,468	10	- 3,900	309,941	9	- 2,400	310,016	0,00%	8	-	-	-	7	- 1,400	310,016	0,00%	309,404	310,016	0,612	7	3,600	310,016	0,00%	8	-	-	-	9	6,100	309,891	-5,00%	10	7,600	309,816	33	8,374	309,300	0,5	0,5
132+0,000			33	- 4,612	309,141	10	- 3,900	309,616	9	- 2,400	309,691	1,51%	8	-	-	-	7	- 1,400	309,676	1,51%	309,099	309,655	0,556	7	3,600	309,601	-1,51%	8	-	-	-	9	6,100	309,476	-5,00%	10	7,600	309,401	33	8,219	308,988	0,5	0,4
132+5,000			33	- 4,639	309,014	10	- 3,900	309,507	9	- 2,400	309,582	1,99%	8	-	-	-	7	- 1,400	309,562	1,99%	308,982	309,534	0,552	7	3,600	309,462	-1,99%	8	-	-	-	9	6,100	309,337	-5,00%	10	7,600	309,262	33	8,153	308,894	0,5	0,4
132+15,574			33	- 4,681	308,744	10	- 3,900	309,264	9	- 2,400	309,339	3,00%	8	-	-	-	7	- 1,400	309,309	3,00%	308,714	309,267	0,553	7	3,600	309,159	-3,00%	8	-	-	-	9	6,100	309,034	-5,00%	10	7,600	308,959	33	8,042	308,664	0,5	0,3
133+0,000			33	- 2,400	308,615	10	-	-	9	- 2,400	309,233	3,42%	8	-	-	-	7	- 1,400	309,199	3,42%	308,601	309,151	0,550	7	3,600	309,028	-3,42%	8	-	-	-	9	6,100	308,903	-5,00%	10	7,600	308,828	33	8,011	308,554	0,6	0,3
133+9,179	EC		33	- 2,400	308,378	10	-	-	9	- 2,400	309,006	4,30%	8	-	-	-	7	- 1,400	308,963	4,30%	308,366	308,902	0,537	7	3,600	308,748	-4,30%	8	-	-	-	9	6,100	308,623	-5,00%	10	7,600	308,548	33	7,951	308,314	0,6	0,2
133+10,545			33	- 2,400	308,343	10	-	-	9	- 2,400	308,968	4,30%	8	-	-	-	7	- 1,400	308,925	4,30%	308,331	308,865	0,534	7	3,600	308,710	-4,30%	8	-	-	-	9	6,100	308,585	-5,00%	10	7,600	308,510	33	7,954	308,274	0,6	0,2
134+0,000			33	- 2,365	308,091	10	-	-	9	- 2,365	308,697	4,30%	8	-	-	-	7	- 1,400	308,655	4,30%	308,064	308,595	0,531	7	3,600	308,440	-4,30%	8	-	-	-	9	6,100	308,315	-5,00%	10	7,600	308,240	33	7,963	307,999	0,6	0,2
134+8,773			33	- 1,588	307,847	10	-	-	9	- 1,588	308,403	4,30%	8	-	-	-	7	- 1,400	308,395	4,30%	307,831	308,335	0,504	7	3,600	308,180	-4,30%	8	-	-	-	9	6,100	308,055	-5,00%	10	7,600	307,980	33	7,948	307,747	0,6	0,2
135+0,000			33	- 0,855	307,536	10	-	-	9	-	-	-	8	-	-	-	7	- 0,855	308,023	4,30%	307,527	307,986	0,459	7	3,600	307,832	-4,30%	8	-	-	-	9	6,100	307,707	-5,00%	10	7,600	307,632	33	7,868	307,453	-	0,2
135+5,000		PTV	33	- 0,624	307,393	10	-	-	9	-	-	-	8	-	-	-	7	- 0,624	307,865	4,30%	307,385	307,826	0,441	7	3,600	307,671	-4,30%	8	-	-	-	9	6,100	307,546	-5,00%	10	7,600	307,471	33	7,883	307,283	-	0,2
135+8,366	CE		33	- 0,500	307,279	10	-	-	9	-	-	-	8	-	-	-	7	- 0,500	307,739	4,30%	307,268	307,717	0,449	7	3,600	307,562	-4,30%	8	-	-	-	9	6,100	307,437	-5,00%	10	7,600	307,362	33	7,897	307,164	-	0,2
136+0,000			33	- 0,237	306,930	10	-	-	9	-	-	-	8	-	-	-	7	- 0,237	307,348	3,19%	306,925	307,340	0,415	7	3,600	307,225	-3,19%	8	-	-	-	9	6,100	307,100	-5,00%	10	7,600	307,025	33	8,009	306,753	-	0,3
136+1,971			33	- 0,187	306,870	10	-	-	9	-	-	-	8	-	-	-	7	- 0,187	307,282	3,00%	306,866	307,276	0,410	7	3,600	307,168	-3,00%	8	-	-	-	9	6,100	307,043	-5,00%	10	7,600	306,968	33	8,010	306,695	-	0,3
137+0,000			33	- 0,005	306,376	10	-	-	9	-	-	-	8	-	-	-	7	- 0,005	306,692	3,00%	306,376	306,692	0,316	7	3,600	306,584	-3,00%	8	-	-	-	9	6,100	306,459	-5,00%	10	7,600	306,384	33	7,793	306,255	-	0,1
137+13,366	ET	PFV	33	- 0,000	305,968	10	-	-	9	-	-	-	8	-	-	-	7	-	306,259	-	305,968	306,259	0,291	7	3,600	306,151	-3,00%	8	-	-	-	9	6,100	306,026	-5,00%	10	7,600	305,951	33	7,604	305,949	-	0,0

4.1.5.2. Ramo 200

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS

Dispositivo Est. 965+0,000 - Ramo 200

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

ESTACA	Elementos do Projeto – Planta	Elementos do Projeto – Perfil	LE Talude P.	LE Talude Dist.	LE Talude Cota	LE Fundo canaleta P.	LE Fundo canaleta Dist.	LE Fundo canaleta Cota	LE Faixa de Segurança / Concordância de Pista P.	Dist.	Cota	Decliv.	LE Faixa de Aceleração ou Desaceleração P.	Dist.	Cota	Decliv.	LE Bordo da pista P.	Dist.	Cota	Decliv.	Cotas de Eixo – Terreno Natural	Cotas de Eixo – Projeto	Cota vermelha	LD Bordo da pista P.	Dist.	Cota	Decliv.	LD Faixa de Aceleração ou Desaceleração P.	Dist.	Cota	Decliv.	LD Acostamento / Faixa de Segurança / Concordância de Pista P.	Dist.	Cota	Decliv.	LD Fundo canaleta P.	Dist.	Cota	LD Talude P.	Dist.	Cota	Alturas dos Taludes LE	Alturas dos Taludes LD
200+0,000	PP	PPV	33	-	305,968	10	-	-	9	-	-	-	8	-	-	-	7	-	-	-	305,968	306,259	0,291	7	3,600	306,151	-3,00%	8	-	-	-	9	6,100	306,026	-5,00%	10	7,600	305,651	33	8,115	306,166	-	-0,5
200+7,659			33	- 0,006	306,202	10	-	-	9	-	-	-	8	-	-	-	7	- 0,006	306,507	3,00%	306,202	306,507	0,305	7	3,600	306,399	-3,00%	8	-	-	-	9	6,100	306,274	-5,00%	10	7,600	305,899	33	8,095	306,394	-	-0,5
201+0,000			33	- 0,049	306,524	10	-	-	9	-	-	-	8	-	-	-	7	- 0,049	306,908	3,00%	306,525	306,907	0,382	7	3,600	306,799	-3,00%	8	-	-	-	9	6,100	306,674	-5,00%	10	7,600	306,299	33	8,016	306,715	-	-0,4
202+0,000			33	- 0,426	307,129	10	-	-	9	-	-	-	8	-	-	-	7	- 0,426	307,568	3,00%	307,138	307,555	0,417	7	3,600	307,447	-3,00%	8	-	-	-	9	6,100	307,322	-5,00%	10	7,600	307,247	33	7,644	307,217	-	0,0
202+5,000		PCV	33	- 0,625	307,279	10	-	-	9	-	-	-	8	-	-	-	7	- 0,625	307,736	3,00%	307,291	307,717	0,426	7	3,600	307,609	-3,00%	8	-	-	-	9	6,100	307,484	-5,00%	10	7,600	307,409	33	7,665	307,366	-	0,0
202+7,365	TE		33	- 0,728	307,356	10	-	-	9	-	-	-	8	-	-	-	7	- 0,728	307,815	3,00%	307,364	307,793	0,429	7	3,600	307,685	-3,00%	8	-	-	-	9	6,100	307,560	-5,00%	10	7,600	307,485	33	7,681	307,431	-	0,1
203+0,000			33	- 1,395	307,718	10	-	-	9	-	-	-	8	-	-	-	7	- 1,395	308,231	3,00%	307,727	308,189	0,462	7	3,600	308,081	-3,00%	8	-	-	-	9	6,100	307,956	-5,00%	10	7,600	307,881	33	7,765	307,771	-	0,1
204+0,000			33	- 3,069	308,271	10	-	-	9	-	-	-	8	-	-	-	7	- 3,069	308,866	3,00%	308,285	308,774	0,488	7	3,600	308,666	-3,00%	8	-	-	-	9	6,100	308,541	-5,00%	10	7,600	308,466	33	7,825	308,315	-	0,2
204+2,976			33	- 2,401	308,349	10	-	-	9	-	-	-	8	-	-	-	7	- 2,401	308,928	3,00%	308,358	308,856	0,498	7	3,600	308,748	-3,00%	8	-	-	-	9	6,100	308,623	-5,00%	10	7,600	308,548	33	7,842	308,387	-	0,2
204+7,071			33	- 2,400	308,456	10	-	-	9	- 2,400	309,040	3,00%	8	-	-	-	7	- 1,400	309,010	3,00%	308,458	308,968	0,510	7	3,600	308,860	-3,00%	8	-	-	-	9	6,100	308,735	-5,00%	10	7,600	308,660	33	7,862	308,486	0,6	0,2
204+12,365	EC		33	- 2,400	308,596	10	-	-	9	- 2,400	309,191	3,40%	8	-	-	-	7	- 1,400	309,157	3,40%	308,594	309,110	0,516	7	3,600	308,987	-3,40%	8	-	-	-	9	6,100	308,862	-5,00%	10	7,600	308,787	33	7,862	308,613	0,6	0,2
204+14,040			33	- 2,400	308,641	10	-	-	9	- 2,400	309,236	3,40%	8	-	-	-	7	- 1,400	309,202	3,40%	308,638	309,154	0,516	7	3,600	309,032	-3,40%	8	-	-	-	9	6,100	308,907	-5,00%	10	7,600	308,832	33	7,868	308,653	0,6	0,2
204+18,988			33	- 4,670	308,775	10	- 3,900	309,289	9	- 2,400	309,364	3,40%	8	-	-	-	7	- 1,400	309,330	3,40%	308,768	309,282	0,514	7	3,600	309,160	-3,40%	8	-	-	-	9	6,100	309,035	-5,00%	10	7,600	308,960	33	7,882	308,772	0,5	0,2
205+0,000			33	- 4,669	308,802	10	- 3,900	309,314	9	- 2,400	309,389	3,40%	8	-	-	-	7	- 1,400	309,355	3,40%	308,794	309,308	0,513	7	3,600	309,185	-3,40%	8	-	-	-	9	6,100	309,060	-5,00%	10	7,600	308,985	33	7,884	308,796	0,5	0,2
205+5,000			33	- 4,658	309,060	10	- 3,900	309,565	9	- 2,400	309,640	3,40%	8	-	-	-	7	- 1,400	309,606	3,40%	309,051	309,559	0,508	7	3,600	309,436	-3,40%	8	-	-	-	9	6,100	309,311	-5,00%	10	7,600	309,236	33	7,892	309,042	0,5	0,2
205+5,610	CE		33	- 4,656	308,951	10	- 3,900	309,455	9	- 2,400	309,530	3,40%	8	-	-	-	7	- 1,400	309,496	3,40%	308,942	309,449	0,507	7	3,600	309,326	-3,40%	8	-	-	-	9	6,100	309,201	-5,00%	10	7,600	309,126	33	7,893	308,931	0,5	0,2
205+10,905			33	- 4,625	309,091	10	- 3,900	309,575	9	- 2,400	309,650	3,00%	8	-	-	-	7	- 1,400	309,620	3,00%	309,081	309,578	0,497	7	3,600	309,470	-3,00%	8	-	-	-	9	6,100	309,345	-5,00%	10	7,600	309,270	33	7,913	309,062	0,5	0,2
206+0,000			33	- 4,561	309,332	10	- 3,900	309,772	9	- 2,400	309,847	2,31%	8	-	-	-	7	- 1,400	309,824	2,31%	309,319	309,792	0,472	7	3,600	309,708	-2,31%	8	-	-	-	9	6,100	309,583	-5,00%	10	7,600	309,508	33	7,919	309,295	0,4	0,2
207+0,000			33	- 4,428	309,817	10	- 3,900	310,169	9	- 2,400	310,244	0,80%	8	-	-	-	7	- 1,400	310,236	0,80%	309,819	310,225	0,406	7	3,600	310,196	-0,80%	8	-	-	-	9	6,100	310,071	-5,00%	10	7,600	309,996	33	7,877	309,811	0,4	0,2
207+10,610			33	- 4,349	310,060	10	- 3,900	310,359	9	- 2,400	310,434	0,00%	8	-	-	-	7	- 1,400	310,434	0,00%	310,061	310,434	0,373	7	3,600	310,434	0,00%	8	-	-	-	9	6,100	310,309	-5,00%	10	7,600	310,234	33	7,840	310,074	0,3	0,2
207+10,614	EER		33	- 4,349	310,060	10	- 3,900	310,359	9	- 2,400	310,434	0,00%	8	-	-	-	7	- 1,400	310,434	0,00%	310,061	310,434	0,373	7	3,600	310,434	0,00%	8	-	-	-	9	6,100	310,309	-5,00%	10	7,600	310,234	33	7,840	310,074	0,3	0,2
208+0,000			33	- 4,245	310,286	10	- 3,900	310,515	9	- 2,400	310,590	-0,71%	8	-	-	-	7	- 1,400	310,597	-0,71%	310,274	310,607	0,333	7	3,600	310,633	0,71%	8	-	-	-	9	6,100	310,508	-5,00%	10	7,600	310,433	33	7,815	310,290	0,2	0,1
208+5,000		PTV	33	- 4,168	310,416	10	- 3,900	310,594	9	- 2,400	310,669	-1,09%	8	-	-	-	7	- 1,400	310,680	-1,09%	310,396	310,695	0,299	7	3,600	310,734	1,09%	8	-	-	-	9	6,100	310,609	-5,00%	10	7,600	310,534	33	7,794	310,405	0,2	0,1
209+0,000			33	- 4,033	310,737	10	- 3,900	310,825	9	- 2,400	310,900	-2,22%	8	-	-	-	7	- 1,400	310,923	-2,22%	310,712	310,954	0,242	7	3,600	311,034	2,22%	8	-	-	-	9	6,100	310,909	-5,00%	10	7,600	310,834	33	7,737	310,742	0,1	0,1
209+10,320			33	- 3,998	310,920	10	- 3,900	310,985	9	- 2,400	311,060	-3,00%	8	-	-	-	7	- 1,400	311,090	-3,00%	310,897	311,132	0,235	7	3,600	311,240	3,00%	8	-	-	-	9	6,100	311,140	-4,00%	10	7,600	311,065	33	7,784	310,942	0,1	0,1
209+15,614	EC		33	- 3,980	311,013	10	- 3,900	311,066	9	- 2,400	311,141	-3,40%	8	-	-	-	7	- 1,400	311,175	-3,40%	310,992	311,223	0,231	7	3,600	311,345	3,40%	8	-	-	-	9	6,100	311,255	-3,60%	10	7,600	311,180	33	7,805	311,043	0,1	0,1
210+0,000			33	- 3,976	311,091	10	- 3,900	311,142	9	- 2,400	311,217	-3,40%	8	-	-	-	7	- 1,400	311,251	-3,40%	311,070	311,298	0,228	7	3,600	311,421	3,40%	8	-	-	-	9	6,100	311,331	-3,60%	10	7,600	311,256	33	7,810	311,116	0,1	0,1
210+2,237			33	- 3,976	311,130	10	- 3,900	311,180	9	- 2,400	311,255	-3,40%	8	-	-	-	7	- 1,400	311,289	-3,40%	311,108	311,337	0,229	7	3,600	311,459	3,40%	8	-	-	-	9	6,100	311,369	-3,60%	10	7,600	311,294	33	7,822	311,146	0,1	0,1
210+8,859	CE		33	- 3,981	311,240	10	- 3,900	311,294	9	- 2,400	311,369	-3,40%	8	-	-	-	7	- 1,400	311,403	-3,40%	311,216	311,451	0,235	7	3,600	311,573	3,40%	8	-	-	-	9	6,100	311,483	-3,60%	10	7,600	311,408	33	7,861	311,234	0,1	0,2
210+14,153			33	- 3,999	311,329	10	- 3,900	311,395	9	- 2,400	311,470	-3,00%	8	-	-	-	7	- 1,400	311,500	-3,00%	311,288	311,542	0,255	7	3,600	311,650	3,00%	8	-	-	-	9	6,100	311,550	-4,00%	10	7,600	311,475	33	7,859	311,303	0,1	0,2
210+15,750			33	- 4,000	311,356	10	- 3,900	311,423	9	- 2,400	311,498	-3,00%	8	-	-	-	7	- 1,400	311,528	-3,00%	311,314	311,570	0,256	7	3,600	311,678	3,00%	8	-	-	-	9	6,100	311,578	-4,00%	10	7,600	311,503	33	7,869	311,323	0,1	0,2
211+0,000			33	- 2,400	311,394	10	-	-	9	- 2,400	311,571	-3,00%	8	-	-	-	7	- 1,400	311,601	-3,00%	311,385	311,643	0,258	7	3,600	311,751	3,00%	8	-	-	-	9	6,100	311,651	-4,00%	10	7,600	311,578	33	7,885	311,386	-	0,2
211+3,828			33	- 2,400	311,448	10	-	-	9	- 2,400	311,637	-3,00%	8	-	-	-	7	- 1,400	311,667	-3,00%	311,449	311,709	0,260	7	3,600	311,817	3,00%	8	-	-	-	9	6,100	311,717	-4,00%	10	7,600	311,642	33	7,887	311,451	-	0,2
211+8,527			33	- 17,025	311,605	10	- 16,453	311,033	9	- 14,953	311,408	-3,00%	8	- 2,648	311,711	-2,46%	7	- 1,400	311,748	-3,00%	311,527	311,790	0,263	7	3,600	311,898	3,00%	8	-	-	-	9	6,100	311,798	-4,00%	10	7,600	311,723	33	7,892	311,528	-0,6	0,2
212+0,000		PCV	33	- 12,956	311,763	10	- 12,477	311,283	9	- 10,977	311,658	-3,00%	8	-	-	-	7	- 9,477	311,703	-3,00%	311,640	311,988	0,348	7	3,600	312,096	3,00%	8	-	-	-	9	6,100	311,996	-4,00%	10	7,600	311,921	33	8,076	311,604	-0,5	0,3
212+6,560			33	- 11,469	311,831	10	- 11,074	311,435	9	- 9,574	311,810	-3,00%	8	-	-	-	7	- 8,074	311,855	-3,00%	311,684	312,098	0,414	7	3,600	312,206	3,00%	8	-	-	-	9	6,100	312,106	-4,00%	10	7,600	312,031	33	8,176	311,647	-0,4	0,4
212+13,859	ET		33	- 10,564	311,902	10	- 10,236	311,875	9	- 8,736	311,950	-3,00%	8	-	-	-	7	- 7,236	311,995	-3,00%	311,766	312,212	0,446	7	3,600	312,320	3,00%	8	4,062	312,302	-4,00%	9	6,100	312,220	-4,00%	10	7,600	312,320	33	8,273	311,696	0,0	0,6
212+18,228			33	- 10,403	311,947	10	- 10,100	311,944	9	- 8,600	312,019	-3,00%	8	-	-	-	7	- 7,100	312,064	-3,00%	311,816	312,277	0,461	7	3,600	312,361	2,34%	8	4,340	312,344	-2,34%	9	6,100	312,303	-2,34%	10	7,600	312,228	33	8,345	311,731	0,0	0,5
213+0,000			33	- 10,108	311,964	10	- 10,100	311,969	9	- 8,600	312,044	-3,00%	8	- 7,100	312,089	-3,00%	7	- 3,600	312,194	-3,00%	311,836	312,302	0,467	7	3,600	312,377	2,07%	8	4,453	312,359	-2,07%	9	6,100	312,325	-2,07%	10	7,600	312,250	33	8,358	311,744	0,0	0,5
213+6,980			33	- 10,142	312,037	10	- 10,100	312,065	9	- 8,600	312,140	-3,00%	8	- 7,100	312,185	-3,00%	7	- 3,600	312,290	-3,00%	311,915	312,398	0,483	7	3,600	312,434	1,00%	8	4,898	312,421	-1,00%	9	6,100	312,409	-1,00%	10	7,600	312,334	33	8,272	311,886	0,0	0,4
213+13,712			33	- 10,166	312,106	10	- 10,100	312,150	9	- 8,600	312,225	-3,00%	8	- 7,100	312,270	-3,00%	7	- 3,600	312,375	-3,00%	312,023	312,483	0,460	7	3,600	312,483	0,00%	8	5,326	312,483	0,00%	9	6,529	312,483	0,00%	10	8,029	312,408	33	8,531	312,073	0,0	0,3
213+17,697			33	- 10,177	312,146	10	- 10,100	312,197	9	- 8,600	312,272	-3,00%	8	- 7,100	312,317	-3,00%	7	- 3,600	312,422	-3,00%	312,093	312,530	0,437	7	3,600	312,508	-0,60%	8	5,580	312,496	-0,60%	9	6,783	312,489	-0,60%	10	8,283	312,414	33	8,631	312,182	0,1	0,2
214+0,000			33	- 10,182	312,169	10	- 10,100	312,223	9	- 8,600	312,298	-3,00%	8	- 7,100	312,343	-3,00%	7	- 3,600	312,448	-3,00%	312,133	312,556	0,423	7	3,600	312,522	-0,95%	8	5,727	312,502	-0,95%	9	6,929	312,490	-0,95%	10	8,429	312,415	33	8,684	312,245	0,1	0,2
214+13,565			33	- 10,142	312,333	10	- 10,100	312,361	9	- 8,600	312,436	-3,00%	8	- 7,100	312,481	-3,00%	7	- 3,600	312,586	-3,00%	312,370	312,694	0,323	7	3,600	312,586	-3,00%	8	6,591	312,496	-3,00%	9	7,794	312,460	-3,00%	10	9,294	312,385	33	9,296	312,383	0,0	0,0
215+0,000			33	- 10,203	312,347	10	- 10,100	312,416	9	- 8,600	312,491	-3,00%	8	- 7,100	312,536	-3,00%	7	- 3,600	312,641	-3,00%	312,401	312,749	0,349	7	3,600	312,641	-3,00%	8	7,001	312,539	-3,00%	9	8,204	312,503	-3,00%	10	9,704	312,428	33	9,777	312,379	0,1	0,0
215+1,550			33	- 10,228	312,344	10	- 10,100	312,429	9	- 8,600	312,504	-3,00%	8	- 7,100	312,549	-3,00%	7	- 3,600	312,654	-3,00%	312,397	312,762	0,365	7	3,600	312,654	-3,00%	8	7,100	312,549	-3,00%	9	8,300	312,513	-3,00%	10	9,800	312,438	33	9,889	312,378	0,1	0,1
215+11,575			33	- 10,319	312,354	10	- 10,100	312,500	9	- 8,600	312,575	-3,00%	8	- 7,100	312,620	-3,00%	7	- 3,600	312,725	-3,00%	312,370	312,833	0,463	7	3,600	312,725	-3,00%	8	7,100	312,620	-3,00%	9	8,300	312,584	-3,00%	10	9,800	312,509	33	10,017	312,364	0,1	0,1
216+0,000		PTV	33	- 10,370	312,369	10	- 10,100	312,549	9	- 8,600	312,624	-3,00%	8	- 7,100	312,669	-3,00%	7	- 3,600	312,774	-3,00%	312,348	312,882	0,534	7	3,600	312,774	-3,00%	8	7,815	312,647	-3,00%	9	9,033	312,611	-3,00%	10	10,533	312,536	33	10,824	312,342	0,2	0,2
216+10,793	PC		33	- 10,431	312,384	10	- 10,100	312,604	9	- 8,600	312,679	-3,00%	8	- 7,100	312,724	-3,00%	7	- 3,600	312,829	-3,00%	312,382	312,937	0,556	7	3,600	312,829	-3,00%	8	10,940	312,609	-3,00%	9	12,243	312,570	-3,00%	10	13,743	312,495	33	13,915	312,380	0,2	0,1
217+0,000			33	- 10,486	312,394	10	- 10,100	312,651	9	- 8,600	312,726	-3,00%	8	- 7,100	312,771	-3,00%	7	- 3,600	312,876	-3,00%	312,427	312,984	0,558	7	3,600	312,876	-3,00%	8	5,370	312,823	-3,00%	9	16,834	312,600	-1,95%	10	18,334	312,525	33	18,498	312,416	0,3	0,1
217+0,440			33	- 10,488	312,395	10	- 10,100	312,654	9	- 8,600	312,729	-3,00%	8	- 7,100	312,774	-3,00%	7	- 3,600	312,879	-3,00%	312,429	312,987	0,558	7	3,600	312,879	-3,00%	8	5,612	312,818	-3,00%	9	16,210	312,623	-1,85%	10	-	-	33	16,210	312,417	0,3	-
217+6,786			33	- 10,492	312,425	10	- 10,100	312,686	9	- 8,600	312,761	-3,00%	8	- 7,100	312,806	-3,00%	7	- 3,600	312,911	-3,00%	312,460	313,019	0,559	7	3,600	312,911	-3,00%	8	-	-	-	9	6,100	312,836	-3,00%	10	-	-	33	6,100	312,448	0,3	-
217+11,169			33	- 10,489	312,449	10	- 10,100	312,708	9	- 8,600	312,783	-3,00%	8	- 7,100	312,828	-3,00%	7	- 3,600	312,933	-3,00%	312,481	313,041	0,560	7	3,600	312,933	-3,00%	8	-	-	-	9	6,100	312,858	-3,00%	10	-	-	33	6,100	312,469	0,3	-
218+0,000			33	- 10,473	312,505	10	- 10,100	312,754	9	- 8,600	312,829	-3,00%	8	- 7,100	312,874	-3,00%	7	- 3,600	312,979	-3,00%	312,524	313,087	0,563	7	3,600	312,979	-3,00%	8	-	-	-	9	6,100	312,904	-3,00%	10	7,600	312,829	33	8,081	312,508	0,2	0,3
219+0,000			33	- 10,380	312,670	10	- 10,100	312,856	9	- 8,600	312,931	-3,00%	8	- 7,100	312,976	-3,00%	7	- 3,600	313,081	-3,00%	312,617	313,189	0,572	7	3,600	313,081	-3,00%	8	-	-	-	9	6,100	313,006	-3,00%	10	7,600	312,931	33	8,220	312,518	0,2	0,4
220+0,000			33	- 10,525	312,675	10	- 10,100	312,958	9	- 8,600	313,033	-3,00%	8	- 7,100	313,078	-3,00%	7	- 3,600	313,183	-3,00%	312,638	313,291	0,653	7	3,600	313,183	-3,00%	8	-	-	-	9	6,100	313,108	-3,00%	10	7,600	313,033	33	8,320	312,554	0,3	0,5
220+4,248			33	- 10,553	312,678	10	- 10,100	312,980	9	- 8,600	313,055	-3,00%	8	- 7,100	313,100	-3,00%	7	- 3,600	313,205	-3,00%	312,636	313,313	0,677	7	3,600	313,205	-3,00%	8	-	-	-	9	6,100	313,130	-3,00%	10	7,600	313,055	33	8,342	312,561	0,3	0,5
220+6,301			33	- 10,561	312,683	10	- 10,100	312,991	9	- 8,600	313,066	-3,00%	8	- 7,100	313,111	-3,00%	7	- 3,600	313,216	-3,00%	312,635	313,324	0,689	7	3,600	313,216	-3,00%	8	-	-	-	9	6,102	313,141	-3,00%	10	-	-	33	6,102	312,582	0,3	-
220+10,380			33	- 10,578	312,693	10	- 10,100	313,011	9	- 8,600	313,086	-3,00%	8	- 7,100	313,131	-3,00%	7	- 3,600	313,236	-3,00%	312,633	313,344	0,711	7	3,600	313,236	-3,00%	8	-	-	-	9	6,100	313,161	-3,00%	10	-	-	33	6,100	312,581	0,3	-
220+16,162			33	- 10,623	312,692	10	- 10,100	313,041	9	- 8,600	313,116	-3,00%	8	- 7,100	313,161	-3,00%	7	- 3,600	313,266	-3,00%	312,630	313,374	0,744	7	3,600	313,266	-3,00%	8	4,998	313,224	-3,00%	9	15,431	312,860	-3,49%	10	-	-	33	15,431	312,548	0,3	-
221+0,000			33	- 10,662	312,686	10	- 10,100	313,061	9	- 8,600	313,136	-3,00%	8	- 7,100	313,181	-3,00%	7	- 3,600	313,286	-3,00%	312,628	313,394	0,766	7	3,600	313,286	-3,00%	8	13,158	312,999	-3,00%	9	14,524	312,958	-3,00%	10	16,024	312,883	33	16,521	312,551	0,4	0,3
222+0,000			33	- 10,748	312,731	10	- 10,100	313,163	9	- 8,600	313,238	-3,00%	8	- 7,100	313,283	-3,00%	7	- 3,600	313,388	-3,00%	312,653	313,496	0,843	7	3,600	313,388	-3,00%	8	7,272	313,278	-3,00%	9	8,476	313,242	-3,00%	10	9,976	313,167	33	10,834	312,595	0,4	0,6
222+4,196			33	- 10,758	312,746	10	- 10,100	313,184	9	- 8,600	313,259	-3,00%	8	- 7,100	313,304	-3,00%	7	- 3,600	313,409	-3,01%	312,665	313,517	0,852	7	3,600	313,409	-3,01%	8	7,100	313,304	-3,00%	9	8,300	313,268	-3,00%	10	9,800	313,193	33	10,685	312,603	0,4	0,6
222+19,239			33	- 10,800	312,795	10	- 10,100	313,261	9	- 8,600	313,336	-3,00%	8	- 7,100	313,381	-3,00%	7	- 3,600	313,486	-3,00%	312,709	313,594	0,885	7	3,600	313,486	-3,00%	8	7,100	313,381	-3,00%	9	8,300	313,345	-3,00%	10	9,800	313,270	33	10,743	312,642	0,5	0,6
223+0,000			33	- 10,803	312,797	10	- 10,100	313,265	9	- 8,600	313,340	-3,00%	8	- 7,100	313,385	-3,00%	7	- 3,600	313,490	-3,00%	312,711	313,598	0,887	7	3,600	313,490	-3,00%	8	7,055	313,387	-3,00%	9	8,257	313,351	-3,00%	10	9,757	313,276	33	10,705	312,644	0,5	0,6
223+4,949			33	- 10,911	312,750	10	- 10,100	313,291	9	- 8,600	313,366	-3,00%	8	- 7,100	313,411	-3,00%	7	- 3,600	313,516	-3,00%	312,726	313,624	0,898	7	3,600	313,516	-3,00%	8	6,758	313,421	-3,00%	9	7,960	313,385	-3,00%	10	9,460	313,310	33	10,435	312,660	0,5	0,6
224+0,000			33	- 11,136	312,677	10	- 10,100	313,368	9	- 8,600	313,443	-3,00%	8	- 7,100	313,488	-3,00%	7	- 3,600	313,593	-3,00%	312,705	313,701	0,996	7	3,600	313,593	-3,00%	8	5,794	313,527	-3,00%	9	6,996	313,491	-3,00%	10	8,496	313,416	33	9,661	312,640	0,7	0,8
224+1,810			33	- 11,158	312,671	10	- 10,100	313,377	9	- 8,600	313,452	-3,00%	8	- 7,100	313,497	-3,00%	7	- 3,600	313,602	-3,00%	312,702	313,710	1,008	7	3,600	313,602	-3,00%	8	5,672	313,540	-3,00%	9	6,874	313,504	-3,00%	10	8,374	313,429	33	9,558	312,640	0,7	0,8
224+9,234			33	- 11,241	312,654	10	- 10,100	313,415	9	- 8,600	313,490	-3,00%	8	- 7,100	313,535	-3,00%	7	- 3,600	313,640	-3,00%	312,689	313,748	1,059	7	3,600	313,640	-3,00%	8	5,167	313,593	-3,00%	9	6,370	313,557	-3,00%	10	7,870	313,482	33	9,125	312,645	0,8	0,8
224+13,200			33	- 11,282	312,647	10	- 10,100	313,435	9	- 8,600	313,555	-3,00%	8	- 7,100	313,555	-3,00%	7	- 3,600	313,660	-3,00%	312,683	313,768	1,085	7	3,600	313,711	-1,60%	8	4,897	313,690	-1,60%	9	6,100	313,671	-1,60%	10	7,600	313,596	33	9,022	312,648	0,8	0,9
224+17,734			33	- 11,329	312,639	10	- 10,100	313,458	9	- 8,600	313,533	-3,00%	8	- 7,100	313,578	-3,00%	7	- 3,600	313,683	-3,00%	312,685	313,791	1,107	7	3,600	313,791	0,00%	8	4,589	313,791	0,00%	9	6,100	313,791	0,00%	10	7,600	313,716	33	9,201	312,649	0,8	1,1
225+0,000			33	- 11,353	312,635	10	- 10,100	313,470	9	- 8,600	313,545	-3,00%	8	- 7,100	313,590	-3,00%	7	- 3,600	313,695	-3,00%	312,682	313,803	1,121	7	3,600	313,832	0,80%	8	4,435	313,839	0,80%	9	6,100	313,852	0,80%	10	7,600	313,777	33	9,290	312,650	0,8	1,1
225+0,568	PC		33	- 11,361	312,634	10	- 10,102	313,473	9	- 8,602	313,548	-3,00%	8	- 7,102	313,593	-3,00%	7	- 3,600	313,698	-3,00%	312,681	313,806	1,125	7	3,600	313,842	1,00%	8	4,396	313,850	1,00%	9	6,100	313,867	1,00%	10	7,600	313,792	33	9,313	312,650	0,8	1,1
225+6,234			33	- 11,655	312,622	10	- 10,346	313,495	9	- 8,846	313,570	-3,00%	8	- 7,346	313,615	-3,00%	7	- 3,600	313,727	-3,00%	312,666	313,835	1,169	7	3,600	313,943	3,00%	8	4,032	313,956	3,00%	9	6,100	314,018	3,00%	10	7,600	313,943	33	9,536	312,652	0,9	1,3
225+13,520			33	- 12,520	312,665	10	- 11,261	313,504	9	- 9,761	313,579	-3,00%	8	- 8,261	313,624	-3,00%	7	- 3,600	313,764	-3,00%	312,646	313,872	1,226	7	3,600	313,980	3,00%	8	3,632	313,981	3,00%	9	6,100	314,055	3,00%	10	7,600	313,980	33	9,603	312,645	0,8	1,3
225+14,165			33	- 12,625	312,671	10	- 11,375	313,504	9	- 9,875	313,579	-3,00%	8	- 8,375	313,624	-3,00%	7	- 3,600	313,768	-3,00%	312,644	313,876	1,231	7	3,600	313,984	3,00%	8	-	-	-	9	6,100	314,059	3,00%	10	7,600	313,984	33	9,610	312,643	0,8	1,3
226+0,000			33	- 13,802	312,734	10	- 12,659	313,496	9	- 11,159	313,571	-3,00%	8	- 9,659	313,616	-3,00%	7	- 3,600	313,797	-3,00%	312,629	313,905	1,277	7	3,600	314,013	3,00%	8	-	-	-	9	6,100	313,913	-4,00%	10	7,600	313,838	33	9,416	312,627	0,8	1,2
226+5,000		PCV	33	- 15,182	312,777	10	- 14,132	313,477	9	- 12,632	313,552	-3,00%	8	- 11,132	313,597	-3,00%	7	- 3,600	313,823	-3,00%	312,621	313,931	1,310	7	3,600	314,039	3,00%	8	-	-	-	9	6,100	313,939	-4,00%	10	7,600	313,864	33	9,467	312,619	0,7	1,2
226+12,963			33	- 14,840	312,780	10	-	-	9	- 14,840	313,704	-1,41%	8	-	-	-	7	- 3,600	313,862	-3,00%	312,617	313,970	1,353	7	3,600	314,078	3,00%	8	-	-	-	9	6,100	313,978	-4,00%	10	7,600	313,903	33	9,532	312,615	-	1,3
227+0,000			33	- 6,742	312,676	10	-	-	9	- 6,742	313,917	0,75%	8	-	-	-	7	- 3,621	313,893	-3,00%	312,616	314,002	1,386	7	3,600	314,110	3,00%	8	-	-	-	9	6,100	314,010	-4,00%	10	7,600	313,935	33	9,585	312,612	-	1,3
227+0,917			33	- 4,600	312,660	10	-	-	9	- 4,600	313,868	-3,00%	8	-	-	-	7	- 3,600	313,898	-3,00%	312,619	314,006	1,387	7	3,600	314,114	3,00%	8	-	-	-	9	6,100	314,014	-4,00%	10	7,600	313,939	33	9,592	312,611	-	1,3
227+1,123			33	- 4,595	312,660	10	-	-	9	- 4,595	313,869	-3,00%	8	-	-	-	7	- 3,600	313,899	-3,00%	312,619	314,007	1,388	7	3,600	314,115	3,00%	8	-	-	-	9	6,100	314,015	-4,00%	10	7,600	313,940	33	9,593	312,611	-	1,3
227+4,377			33	- 4,600	312,670	10	-	-	9	- 4,600	313,883	-3,00%	8	-	-	-	7	- 3,600	313,913	-3,00%	312,629	314,021	1,392	7	3,600	314,129	3,00%	8	-	-	-	9	6,100	314,029	-4,00%	10	7,600	313,954	33	9,617	312,609	-	1,3

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 965+0,000 - Ramo 200

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																				COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA																ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança / Concordância de Pista				Faixa de Aceleração ou Desaceleração				Bordo da pista							Bordo da pista				Faixa de Aceleração ou Desaceleração				Acostamento / Faixa de Segurança / Concordância de Pista				Fundo canaleta			Talude				
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Projeto	Cota vermelha	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
228+0,000			33	- 7,380	312,648	10	- 5,527	313,883	9	- 4,027	313,958	-3,00%	8	-	-	-	7	- 3,027	313,988	-3,00%	312,601	314,079	1,478	7	3,600	314,187	3,00%	8	-	-	-	9	6,100	314,087	-4,00%	10	7,600	314,012	33	9,451	312,778	1,2	1,2
228+8,725			33	- 7,171	312,592	10	- 5,177	313,921	9	- 3,677	313,996	-3,00%	8	-	-	-	7	- 2,677	314,026	-3,00%	312,589	314,106	1,517	7	3,600	314,214	3,00%	8	-	-	-	9	6,100	314,114	-4,00%	10	7,600	314,039	33	9,618	312,694	1,3	1,3
229+0,000			33	- 6,812	312,603	10	- 4,644	314,049	9	- 3,144	314,124	-0,39%	8	-	-	-	7	- 2,144	314,128	-0,39%	312,624	314,136	1,512	7	3,600	314,150	0,39%	8	-	-	-	9	6,100	314,050	-4,00%	10	7,600	313,975	33	9,560	312,668	1,4	1,3
229+1,677	CER		33	- 6,730	312,616	10	- 4,557	314,065	9	- 3,057	314,140	0,00%	8	-	-	-	7	- 2,057	314,140	0,00%	312,637	314,140	1,503	7	3,600	314,140	0,00%	8	-	-	-	9	6,100	314,015	-5,00%	10	7,600	313,940	33	9,490	312,680	1,4	1,3
229+16,154			33	- 5,989	312,729	10	- 3,900	314,121	9	- 2,400	314,196	1,22%	8	-	-	-	7	- 1,400	314,184	1,22%	312,748	314,167	1,419	7	3,600	314,123	-1,22%	8	-	-	-	9	6,100	313,998	-5,00%	10	7,600	313,923	33	9,313	312,781	1,4	1,1
230+0,000			33	- 5,964	312,759	10	- 3,900	314,135	9	- 2,400	314,210	1,55%	8	-	-	-	7	- 1,400	314,194	1,55%	312,777	314,173	1,395	7	3,600	314,117	-1,55%	8	-	-	-	9	6,100	313,992	-5,00%	10	7,600	313,917	33	9,264	312,808	1,4	1,1
230+17,204			33	- 5,987	312,794	10	- 3,900	314,185	9	- 2,400	314,260	3,00%	8	-	-	-	7	- 1,400	314,230	3,00%	312,695	314,188	1,493	7	3,600	314,080	-3,00%	8	-	-	-	9	6,100	313,955	-5,00%	10	7,600	313,880	33	9,144	312,850	1,4	1,0
231+0,000			33	- 6,066	312,747	10	- 3,900	314,192	9	- 2,400	314,267	3,24%	8	-	-	-	7	- 1,400	314,234	3,24%	312,664	314,189	1,525	7	3,600	314,072	-3,24%	8	-	-	-	9	6,100	313,947	-5,00%	10	7,600	313,872	33	9,136	312,848	1,4	1,0
231+5,000			33	- 6,210	312,663	10	- 3,900	314,203	9	- 2,400	314,278	3,66%	8	-	-	-	7	- 1,400	314,241	3,66%	312,609	314,190	1,581	7	3,600	314,058	-3,66%	8	-	-	-	9	6,100	313,933	-5,00%	10	7,600	313,858	33	9,119	312,845	1,5	1,0
231+6,162	EC		33	- 6,243	312,643	10	- 3,900	314,205	9	- 2,400	314,280	3,76%	8	-	-	-	7	- 1,400	314,242	3,76%	312,609	314,190	1,581	7	3,600	314,055	-3,76%	8	-	-	-	9	6,100	313,930	-5,00%	10	7,600	313,855	33	9,115	312,845	1,6	1,0
231+6,677			33	- 6,258	312,634	10	- 3,900	314,206	9	- 2,400	314,281	3,80%	8	-	-	-	7	- 1,400	314,243	3,80%	312,609	314,190	1,581	7	3,600	314,053	-3,80%	8	-	-	-	9	6,100	313,928	-5,00%	10	7,600	313,853	33	9,113	312,844	1,6	1,0
231+14,428			33	- 6,460	312,498	10	- 3,900	314,204	9	- 2,400	314,279	3,80%	8	-	-	-	7	- 1,400	314,241	3,80%	312,619	314,188	1,569	7	3,600	314,051	-3,80%	8	-	-	-	9	6,100	313,926	-5,00%	10	7,600	313,851	33	9,113	312,843	1,7	1,0
232+0,000			33	- 6,396	312,537	10	- 3,900	314,201	9	- 2,400	314,276	3,80%	8	-	-	-	7	- 1,400	314,238	3,80%	312,646	314,185	1,539	7	3,600	314,048	-3,80%	8	-	-	-	9	6,100	313,923	-5,00%	10	7,600	313,848	33	9,108	312,843	1,7	1,0
232+2,178	CE		33	- 6,359	312,560	10	- 3,900	314,200	9	- 2,400	314,275	3,80%	8	-	-	-	7	- 1,400	314,237	3,80%	312,662	314,183	1,521	7	3,600	314,047	-3,80%	8	-	-	-	9	6,100	313,922	-5,00%	10	7,600	313,847	33	9,110	312,840	1,6	1,0
232+2,767			33	- 6,347	312,567	10	- 3,900	314,198	9	- 2,400	314,273	3,75%	8	-	-	-	7	- 1,400	314,235	3,75%	312,666	314,183	1,517	7	3,600	314,048	-3,75%	8	-	-	-	9	6,100	313,923	-5,00%	10	7,600	313,848	33	9,113	312,839	1,6	1,0
232+11,652			33	- 2,400	312,674	10	-	-	9	- 2,400	314,245	3,00%	8	-	-	-	7	- 1,400	314,215	3,00%	312,735	314,173	1,438	7	3,600	314,065	-3,00%	8	-	-	-	9	6,100	313,940	-5,00%	10	7,600	313,865	33	9,155	312,829	1,6	1,0
232+14,470			33	- 2,400	312,697	10	-	-	9	- 2,400	314,242	3,00%	8	-	-	-	7	- 1,400	314,212	3,00%	312,758	314,170	1,412	7	3,600	314,062	-3,00%	8	-	-	-	9	6,100	313,937	-5,00%	10	7,600	313,862	33	9,153	312,826	1,5	1,0
233+0,000			33	- 2,805	312,733	10	-	-	9	- 2,805	314,245	3,00%	8	-	-	-	7	- 1,400	314,203	3,00%	312,791	314,161	1,370	7	3,600	314,053	-3,00%	8	-	-	-	9	6,100	313,928	-5,00%	10	7,600	313,853	33	9,133	312,831	1,5	1,0
234+0,000			33	- 1,296	312,849	10	-	-	9	-	-	-	8	-	-	-	7	- 1,296	314,155	3,00%	312,837	314,117	1,280	7	3,600	314,009	-3,00%	8	-	-	-	9	6,100	313,884	-5,00%	10	7,600	313,809	33	8,999	312,876	-	0,9
234+7,178	ET		33	- 0,938	312,873	10	-	-	9	-	-	-	8	-	-	-	7	- 0,938	314,124	3,00%	312,873	314,096	1,223	7	3,600	313,988	-3,00%	8	-	-	-	9	6,100	313,863	-5,00%	10	7,600	313,788	33	8,938	312,896	-	0,9
235+0,000			33	- 0,451	312,874	10	-	-	9	-	-	-	8	-	-	-	7	- 0,451	314,065	3,00%	312,876	314,052	1,176	7	3,600	313,944	-3,00%	8	-	-	-	9	6,100	313,819	-5,00%	10	7,600	313,744	33	8,840	312,917	-	0,8
236+0,000			33	- 0,061	312,884	10	-	-	9	-	-	-	8	-	-	-	7	- 0,061	313,969	3,00%	312,885	313,967	1,083	7	3,600	313,859	-3,00%	8	-	-	-	9	6,100	313,734	-5,00%	10	7,600	313,659	33	8,657	312,955	-	0,7
236+2,704			33	- 0,043	312,890	10	-	-	9	-	-	-	8	-	-	-	7	- 0,043	313,955	3,00%	312,890	313,954	1,064	7	3,600	313,846	-3,00%	8	-	-	-	9	6,100	313,721	-5,00%	10	7,600	313,646	33	8,627	312,961	-	0,7
237+0,000		PTV	33	-	312,918	10	-	-	9	-	-	-	8	-	-	-	7	- 1,400	313,910	3,00%	312,918	313,868	0,949	7	3,600	313,760	-3,00%	8	-	-	-	9	6,100	313,635	-5,00%	10	7,600	313,560	33	8,465	312,983	-	0,6
237+2,756	PF	PFV	33	-	312,922	10	-	-	9	-	-	-	8	-	-	-	7	- 1,400	313,896	3,00%	312,922	313,854	0,932	7	3,600	313,746	-3,00%	8	-	-	-	9	6,100	313,621	-5,00%	10	7,600	313,546	33	8,444	312,984	-	0,6

4.1.5.3. Ramo 300

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 965+0,000 - Ramo 300

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA										COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA												ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Faixa de Segurança				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
301+13,811			33	-4,180	312,812	10	-3,000	313,599	9	-1,500	313,674	-2,00%	312,780	313,704	0,924	7	10,000	313,904	2,00%	9	11,000	313,924	2,00%	10	-	-	33	11,000	312,674	0,8	-
301+15,470			33	-4,178	312,816	10	-3,000	313,601	9	-1,500	313,676	-2,00%	312,793	313,706	0,913	7	10,000	313,906	2,00%	9	11,000	313,926	2,00%	10	-	-	33	11,000	312,700	0,8	-
302+0,000			33	-4,162	312,830	10	-3,000	313,604	9	-1,500	313,679	-2,00%	312,815	313,709	0,894	7	10,000	313,909	2,00%	9	11,000	313,929	2,00%	10	12,500	313,854	33	14,150	312,755	0,8	1,1
302+3,312			33	-4,152	312,837	10	-3,000	313,620	9	-1,500	313,680	-2,00%	312,835	313,710	0,875	7	10,000	313,910	2,00%	9	11,000	313,930	2,00%	10	12,500	313,855	33	14,110	312,782	0,8	1,1
302+4,000			33	-4,151	312,838	10	-3,000	313,606	9	-1,500	313,681	-2,00%	312,839	313,711	0,871	7	10,000	313,911	2,00%	9	11,000	313,931	2,00%	10	12,500	313,856	33	14,098	312,790	0,8	1,1
302+4,248			33	-4,152	312,838	10	-3,000	313,606	9	-1,500	313,681	-2,00%	312,840	313,711	0,871	7	10,000	313,911	2,00%	9	11,000	313,931	2,00%	10	12,500	313,856	33	14,094	312,793	0,8	1,1
302+12,937			33	-4,130	312,847	10	-3,000	313,601	9	-1,500	313,676	-2,00%	312,862	313,706	0,844	7	10,000	313,906	2,00%	9	11,000	313,926	2,00%	10	-	-	33	11,000	313,626	0,8	-
302+16,657	PCC		33	-4,120	312,850	10	-3,000	313,596	9	-1,500	313,671	-2,00%	312,873	313,701	0,828	7	10,000	313,901	2,00%	9	11,000	313,921	2,00%	10	-	-	33	11,000	312,933	0,7	-

4.1.5.4. Ramo 400

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 965+0,000 - Ramo 400

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA										COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA												ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Acostamento				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
401+11,529			33	- 3,511	311,430	10	- 3,000	310,919	9	- 1,500	311,294	-2,00%	311,383	311,324	-0,059	7	10,000	311,524	2,00%	9	11,000	311,544	2,00%	10	-	-	33	11,000	311,071	-0,5	-
401+13,097			33	- 3,516	311,419	10	- 3,000	310,904	9	- 1,500	311,279	-2,00%	311,379	311,309	-0,071	7	10,000	311,509	2,00%	9	11,000	311,529	2,00%	10	12,500	311,454	33	13,157	311,016	-0,5	0,4
402+0,000			33	- 3,546	311,416	10	- 3,000	310,870	9	- 1,500	311,245	-2,00%	311,368	311,275	-0,093	7	10,000	311,475	2,00%	9	11,000	311,495	2,00%	10	12,500	311,435	33	12,896	311,156	-0,5	0,3
402+0,602			33	- 3,552	311,422	10	- 3,000	310,870	9	- 1,500	311,245	-2,00%	311,377	311,275	-0,102	7	10,000	311,475	2,00%	9	11,000	311,495	2,00%	10	12,500	311,420	33	12,882	311,466	-0,6	-0,1
402+0,674			33	- 3,553	311,423	10	- 3,000	310,870	9	- 1,500	311,245	-2,00%	311,378	311,275	-0,103	7	10,000	311,475	2,00%	9	11,000	311,495	2,00%	10	12,500	311,420	33	12,882	311,466	-0,6	-0,1
402+12,226			33	- 3,601	311,551	10	- 3,000	310,950	9	- 1,500	311,325	-2,00%	311,532	311,355	-0,176	7	10,000	311,555	2,00%	9	11,000	311,575	2,00%	10	12,500	311,500	33	12,693	311,372	-0,6	0,1
402+14,333	PCC		33	- 3,595	311,577	10	- 3,000	310,982	9	- 1,500	311,357	-2,00%	311,559	311,387	-0,172	7	10,000	311,587	2,00%	9	11,000	311,607	2,00%	10	-	-	33	11,000	311,444	-0,6	-
402+17,471			33	- 3,590	311,630	10	- 3,000	311,040	9	- 1,500	311,415	-2,00%	311,604	311,445	-0,159	7	10,000	311,645	2,00%	9	11,000	311,665	2,00%	10	-	-	33	11,000	311,462	-0,6	-

4.1.5.5. Ramo 500

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 965+0,000 - Ramo 500

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA														COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA										ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Faixa de Segurança				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
501+10,401			33	-10,000	312,810	10	-	-	9	-10,000	313,221	3,00%	7	-9,000	313,191	3,00%	312,857	312,921	0,064	9	1,200	312,885	-3,00%	10	2,700	312,810	33	3,060	312,869	-	-0,1
501+13,860			33	-10,000	312,817	10	-	-	9	-10,000	313,297	4,08%	7	-9,000	313,256	4,08%	312,857	312,889	0,032	9	1,200	312,840	-4,08%	10	2,700	312,465	33	3,105	312,870	-	-0,4
501+18,323			33	-12,296	312,802	10	-11,500	313,332	9	-10,000	313,407	5,48%	7	-9,000	313,353	5,48%	312,857	312,858	0,001	9	1,200	312,806	-5,48%	10	2,700	312,419	33	3,136	312,855	0,5	-0,4
502+0,000			33	-12,365	312,800	10	-11,500	313,377	9	-10,000	313,452	6,00%	7	-9,000	313,392	6,00%	312,857	312,852	-0,005	9	1,200	312,780	-6,00%	10	2,700	312,405	33	3,166	312,871	0,6	-0,5
502+6,637			33	-12,347	312,798	10	-11,500	313,363	9	-10,000	313,438	6,00%	7	-9,000	313,378	6,00%	312,855	312,832	-0,023	9	1,200	312,766	-6,00%	10	2,700	312,391	33	3,178	312,870	0,6	-0,5
502+8,000			33	-12,348	312,799	10	-11,500	313,364	9	-10,000	313,439	6,00%	7	-9,000	313,379	6,00%	312,855	312,839	-0,017	9	1,200	312,767	-6,00%	10	2,700	312,392	33	3,178	312,870	0,6	-0,5
503+0,000			33	-12,400	312,819	10	-11,500	313,419	9	-10,000	313,494	6,00%	7	-9,000	313,434	6,00%	312,886	312,894	0,008	9	1,200	312,822	-6,00%	10	2,700	312,447	33	3,168	312,915	0,6	-0,5
503+16,646	PT		33	-12,413	313,036	10	-11,500	313,645	9	-10,000	313,720	6,00%	7	-9,000	313,660	6,00%	313,115	313,120	0,005	9	1,200	313,048	-6,00%	10	2,700	312,673	33	3,162	313,134	0,6	-0,5
503+18,693	PF	PFV	33	-12,405	313,079	10	-11,500	313,682	9	-10,000	313,757	6,00%	7	-9,000	313,697	6,00%	313,157	313,157	0,000	9	1,200	313,085	-6,00%	10	2,700	312,710	33	3,167	313,177	0,6	-0,5

4.1.5.6. Ramo 600

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 965+0,000 - Ramo 600

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA														COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA										ALTURAS DOS TALUDES	
			Talude			Fundo canaleta / Barreira			Acostamento / Faixa de Segurança				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Acostamento / Faixa de Segurança				Fundo canaleta / Barreira			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
600+0,000	PC	PCV	33	-12,172	313,045	10	-11,500	313,493	9	-10,000	313,568	6,00%	7	-9,000	313,508	6,00%	312,968	312,968	0,000	9	1,200	312,896	-6,00%	10	2,700	312,521	33	3,127	312,948	0,4	-0,4
600+5,000			33	-12,206	312,934	10	-11,500	313,404	9	-10,000	313,479	6,00%	7	-9,000	313,419	6,00%	312,881	312,879	-0,002	9	1,200	312,807	-6,00%	10	2,700	312,432	33	3,136	312,868	0,5	-0,4
600+10,000			33	-12,237	312,858	10	-11,500	313,349	9	-10,000	313,424	6,00%	7	-9,000	313,364	6,00%	312,830	312,824	-0,006	9	1,200	312,752	-6,00%	10	2,700	312,377	33	3,146	312,823	0,5	-0,4
600+10,333			33	-12,242	312,852	10	-11,500	313,346	9	-10,000	313,421	6,00%	7	-9,000	313,361	6,00%	312,825	312,821	-0,004	9	1,200	312,749	-6,00%	10	2,700	312,374	33	3,144	312,818	0,5	-0,4
601+0,000		PTV	33	-12,266	312,760	10	-11,500	313,270	9	-10,000	313,345	6,00%	7	-9,000	313,285	6,00%	312,751	312,745	-0,006	9	1,200	312,673	-6,00%	10	2,700	312,298	33	3,150	312,749	0,5	-0,5
601+18,000		PCV	33	-12,211	312,655	10	-11,500	313,129	9	-10,000	313,204	6,00%	7	-9,000	313,144	6,00%	312,646	312,604	-0,042	9	1,200	312,532	-6,00%	10	2,700	312,157	33	3,187	312,644	0,5	-0,5
601+19,182			33	-12,208	312,648	10	-11,500	313,135	9	-10,000	313,195	6,00%	7	-9,000	313,135	6,00%	312,641	312,595	-0,046	9	1,200	312,523	-6,00%	10	2,700	312,148	33	3,174	312,639	0,5	-0,5
602+0,000			33	-12,207	312,643	10	-11,500	313,115	9	-10,000	313,190	6,00%	7	-9,000	313,130	6,00%	312,637	312,590	-0,047	9	1,200	312,518	-6,00%	10	2,700	312,143	33	3,192	312,635	0,5	-0,5
602+4,379			33	-12,016	312,607	10	-11,500	312,951	9	-10,000	313,026	4,58%	7	-9,000	312,980	4,58%	312,611	312,568	-0,043	9	1,200	312,513	-4,58%	10	2,700	312,138	33	3,172	312,610	0,3	-0,5
602+9,242			33	-10,000	312,571	10	-	-	9	-10,000	312,859	3,00%	7	-9,000	312,829	3,00%	312,573	312,559	-0,014	9	1,200	312,523	-3,00%	10	2,700	312,148	33	3,126	312,574	-	-0,4

4.1.5.7. Ramo 700

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 965+0,000 - Ramo 700

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA														COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA										ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança				Bordo da pista							Faixa de Segurança				Fundo canaleta			Talude				
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Projeto	Cota vermelha	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
701+10,693			33	-10,000	312,441	10	-	-	9	-10,000	312,923	3,00%	7	-9,000	312,893	3,00%	312,417	312,623	0,206	9	1,200	312,587	-3,00%	10	2,700	312,512	33	2,850	312,411	-	0,1
701+14,230			33	-10,000	312,452	10	-	-	9	-10,000	313,015	4,14%	7	-9,000	312,974	4,14%	312,428	312,601	0,174	9	1,200	312,552	-4,14%	10	2,700	312,477	33	2,778	312,425	-	0,1
701+19,358			33	-12,396	312,478	10	-11,500	313,090	9	-10,000	313,150	5,79%	7	-9,000	313,104	5,79%	312,455	312,571	0,116	9	1,200	312,501	-5,79%	10	2,700	312,127	33	3,036	312,463	0,6	-0,3
702+0,000			33	-12,418	312,480	10	-11,500	313,092	9	-10,000	313,167	6,00%	7	-9,000	313,107	6,00%	312,461	312,567	0,107	9	1,200	312,495	-6,00%	10	2,700	312,420	33	2,770	312,467	0,6	0,0
702+15,000		PCV	33	-12,281	312,482	10	-11,500	313,003	9	-10,000	313,078	6,00%	7	-9,000	313,018	6,00%	312,459	312,478	0,019	9	1,200	312,406	-6,00%	10	2,700	312,031	33	3,126	312,457	0,5	-0,4
703+0,000			33	-12,257	312,476	10	-11,500	312,981	9	-10,000	313,056	6,00%	7	-9,000	312,996	6,00%	312,440	312,456	0,016	9	1,200	312,384	-6,00%	10	2,700	312,009	33	3,131	312,439	0,5	-0,4
703+4,759			33	-12,270	312,461	10	-11,500	312,988	9	-10,000	313,061	6,00%	7	-9,000	312,989	6,00%	312,421	312,449	0,028	9	1,200	312,377	-6,00%	10	2,700	312,002	33	3,126	312,428	0,5	-0,4
703+5,000			33	-12,271	312,460	10	-11,500	312,974	9	-10,000	313,049	6,00%	7	-9,000	312,989	6,00%	312,421	312,449	0,028	9	1,200	312,377	-6,00%	10	2,700	312,002	33	3,126	312,428	0,5	-0,4
703+8,384			33	-12,284	312,455	10	-11,500	312,978	9	-10,000	313,053	6,00%	7	-9,000	312,993	6,00%	312,437	312,453	0,015	9	1,200	312,381	-6,00%	10	2,700	312,006	33	3,140	312,446	0,5	-0,4
703+15,000		PTV	33	-12,256	312,501	10	-11,500	313,006	9	-10,000	313,081	6,00%	7	-9,000	313,021	6,00%	312,479	312,481	0,002	9	1,200	312,409	-6,00%	10	2,700	312,034	33	3,151	312,485	0,5	-0,5
703+18,716	PT		33	-12,266	312,518	10	-11,500	313,029	9	-10,000	313,104	6,00%	7	-9,000	313,044	6,00%	312,503	312,504	0,001	9	1,200	312,432	-6,00%	10	2,700	312,057	33	3,150	312,507	0,5	-0,5
704+0,000			33	-12,273	312,522	10	-11,500	313,037	9	-10,000	313,112	6,00%	7	-9,000	313,052	6,00%	312,512	312,512	0,000	9	1,200	312,440	-6,00%	10	2,700	312,065	33	3,151	312,516	0,5	-0,5
704+0,772	PF	PFV	33	-12,277	312,524	10	-11,500	313,042	9	-10,000	313,117	6,00%	7	-9,000	313,057	6,00%	312,517	312,517	0,000	9	1,200	312,445	-6,00%	10	2,700	312,070	33	3,151	312,521	0,5	-0,5

4.1.5.8. Ramo 800

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 965+0,000 - Ramo 800

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA														COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA										ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança				Bordo da pista							Faixa de Segurança				Fundo canaleta			Talude				
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Projeto	Cota vermelha	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
800+0,000	PC	PPV	33	-12,462	312,579	10	-11,500	313,220	9	-10,000	313,295	6,00%	7	-9,000	313,235	6,00%	312,695	312,695	0,000	9	1,200	312,623	-6,00%	10	2,700	312,248	33	3,177	312,725	0,6	-0,5
800+10,332			33	-12,389	312,575	10	-11,500	313,168	9	-10,000	313,243	6,00%	7	-9,000	313,183	6,00%	312,639	312,643	0,005	9	1,200	312,571	-6,00%	10	2,700	312,196	33	3,156	312,652	0,6	-0,5
800+15,000		PCV	33	-12,406	312,541	10	-11,500	313,145	9	-10,000	313,220	6,00%	7	-9,000	313,160	6,00%	312,603	312,620	0,017	9	1,200	312,548	-6,00%	10	2,700	312,173	33	3,146	312,619	0,6	-0,4
801+0,000			33	-12,417	312,517	10	-11,500	313,128	9	-10,000	313,203	6,00%	7	-9,000	313,143	6,00%	312,567	312,603	0,036	9	1,200	312,531	-6,00%	10	2,700	312,156	33	3,129	312,585	0,6	-0,4
801+2,738			33	-12,430	312,505	10	-11,500	313,126	9	-10,000	313,201	6,00%	7	-9,000	313,141	6,00%	312,552	312,601	0,049	9	1,200	312,529	-6,00%	10	2,700	312,154	33	3,114	312,568	0,6	-0,4
801+15,000			33	-12,531	312,487	10	11,500	313,174	9	-10,000	313,249	4,80%	7	-9,000	313,201	6,13%	312,540	312,649	0,109	9	1,200	312,577	-6,00%	10	2,700	312,202	33	3,051	312,553	0,7	-0,4
802+0,000			33	-12,588	312,496	10	-11,500	313,222	9	-10,000	313,297	6,00%	7	-9,000	313,237	6,00%	312,548	312,697	0,149	9	1,200	312,625	-6,00%	10	2,700	312,250	33	3,005	312,555	0,7	-0,3
802+0,316			33	-12,592	312,497	10	-11,500	313,225	9	-10,000	313,300	6,00%	7	-9,000	313,240	6,00%	312,549	312,700	0,151	9	1,200	312,628	-6,00%	10	2,700	312,253	33	3,001	312,555	0,7	-0,3
802+0,316			33	-12,592	312,497	10	-11,500	313,225	9	-10,000	313,300	6,00%	7	-9,000	313,240	6,00%	312,549	312,700	0,151	9	1,200	312,628	-6,00%	10	2,700	312,253	33	3,001	312,555	0,7	-0,3
802+6,106			33	-12,377	312,556	10	-11,500	313,141	9	-10,000	313,216	4,39%	7	-9,000	313,172	4,39%	312,550	312,777	0,228	9	1,200	312,724	-4,39%	10	2,700	312,649	33	2,845	312,553	0,6	0,1
802+11,078			33	-10,000	312,572	10	-	-	9	-10,000	313,160	3,00%	7	-9,000	313,130	3,00%	312,548	312,860	0,312	9	1,200	312,824	-3,00%	10	2,700	312,749	33	2,996	312,552	-	0,2

4.1.6.Interseção Est.1300+0,000

4.1.6.1. Ramo 100

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Dispositivo Est. 1300+0,000 - Ramo 100

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																		COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA																		ALTURAS DOS TALUDES	
ESTACA	Planta	Perfil	Talude			Encontro de Talude			Fundo canaleta			Faixa de segurança / Concordância de pista				Acostamento				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Faixa de Aceleração ou Desaceleração				Acostamento / Faixa de segurança / Concordância de pista				Fundo canaleta			Encontro de Talude			Talude			LE	LD
			P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Declív.	P.	Dist.	Cota	Declív.				P.	Dist.	Cota	Declív.	P.	Dist.	Cota	Declív.	P.	Dist.	Cota	Declív.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota		
100+0,000	PP	PPV	33	-	277,212	15	-	-	10	-	-	9	-	-	-	7	-	-	-	277,212	284,666	7,454	7	3,600	284,558	-3,00%	8	-	-	-	9	6,100	284,433	-5,00%	10	6,500	284,433	15	7,600	284,378	33	7,600	277,235	-	7,1
101+0,000			33	-	0,000	277,131	15	-	-	10	-	-	9	-	-	-	7	-	-	-	277,131	283,877	6,746	7	3,600	283,769	-3,00%	8	-	-	-	9	6,100	283,644	-5,00%	10	6,500	283,644	15	7,600	283,589	33	7,600	277,233	-	6,4
102+0,000			33	-	0,359	277,216	15	-	-	10	-	-	9	-	-	-	7	-	0,359	283,099	3,00%	277,209	283,089	5,879	7	3,600	282,981	-3,00%	8	-	-	-	9	6,100	282,856	-5,00%	10	6,500	282,856	15	7,600	282,801	33	7,600	277,188	-	5,6
102+0,539			33	-	0,411	277,219	15	-	-	10	-	-	9	-	-	-	7	-	0,411	283,080	3,00%	277,212	283,067	5,855	7	3,600	282,959	-3,00%	8	-	-	-	9	6,100	282,834	-5,00%	10	6,500	282,834	15	7,600	282,779	33	7,600	277,191	-	5,6
102+3,177			33	-	0,672	277,219	15	-	-	10	-	-	9	-	-	-	7	-	0,672	282,983	3,00%	277,220	282,963	5,744	7	3,600	282,855	-3,00%	8	-	-	-	9	6,100	282,730	-5,00%	10	6,500	282,730	15	7,600	282,675	33	7,600	277,195	-	5,5
103+0,000		PCV	33	-	2,639	277,142	15	-	-	10	-	-	9	-	-	-	7	-	2,639	282,379	3,00%	277,144	282,300	5,156	7	3,600	282,192	-3,00%	8	-	-	-	9	6,100	282,067	-5,00%	10	7,600	281,992	15	-	-	33	14,681	277,271	-	4,7
103+12,303			33	-	3,400	277,092	15	-	-	10	-	-	9	-	-	-	7	-	3,400	281,946	3,00%	277,084	281,844	4,760	7	3,600	281,736	-3,00%	8	-	-	-	9	6,100	281,611	-5,00%	10	7,600	281,536	15	-	-	33	13,987	277,278	-	4,3
103+13,322			33	-	3,400	277,087	15	-	-	10	-	-	9	-	-	-	7	-	3,400	281,915	3,00%	277,079	281,813	4,733	7	3,600	281,705	-3,00%	8	-	-	-	9	6,100	281,580	-5,00%	10	7,600	281,505	15	-	-	33	13,922	277,290	-	4,2
104+0,000			33	-	3,400	277,054	15	-	-	10	-	-	9	-	-	-	7	-	3,400	281,690	3,00%	277,046	281,588	4,542	7	3,600	281,480	-3,00%	8	-	-	-	9	6,100	281,355	-5,00%	10	7,600	281,280	15	-	-	33	13,585	277,289	-	4,0
104+0,601			33	-	3,400	277,051	15	-	-	10	-	-	9	-	-	-	7	-	3,400	281,671	3,00%	277,043	281,569	4,526	7	3,600	281,461	-3,00%	8	-	-	-	9	6,100	281,336	-5,00%	10	7,600	281,261	15	-	-	33	13,565	277,284	-	4,0
104+8,202			33	-	7,413	277,105	15	- 7,413	279,692	10	-	4,900	281,367	9	-	3,400	281,442	3,00%	7	-	2,400	281,412	3,00%	277,076	281,340	4,264	7	3,600	281,232	-3,00%	8	-	-	-	9	6,100	281,107	-5,00%	10	7,600	281,032	15	-	-	33	13,205	277,295	4,3	3,7
105+0,000			33	-	10,704	277,133	15	-	-	10	-	4,900	281,002	9	-	3,400	281,077	1,43%	7	-	2,400	281,063	1,43%	277,169	281,028	3,860	7	3,600	280,977	-1,43%	8	-	-	-	9	6,100	280,852	-5,00%	10	7,600	280,777	15	-	-	33	12,583	277,455	3,9	3,3
105+5,000			33	-	10,469	277,151	15	-	-	10	-	4,900	280,863	9	-	3,400	280,938	0,76%	7	-	2,400	280,931	0,76%	277,197	280,913	3,716	7	3,600	280,885	-0,76%	8	-	-	-	9	6,100	280,760	-5,00%	10	7,600	280,685	15	-	-	33	12,373	277,503	3,7	3,2
105+10,702	TE		33	-	10,235	277,161	15	-	-	10	-	4,900	280,717	9	-	3,400	280,792	0,00%	7	-	2,400	280,792	0,00%	277,213	280,792	3,579	7	3,600	280,792	0,00%	8	-	-	-	9	6,100	280,667	-5,00%	10	7,600	280,592	15	-	-	33	12,227	277,508	3,6	3,1
106+0,000			33	-	9,893	277,178	15	-	-	10	-	4,900	280,507	9	-	3,400	280,582	-1,19%	7	-	2,400	280,594	-1,19%	277,239	280,622	3,383	7	3,600	280,667	1,24%	8	-	-	-	9	6,100	280,542	-5,00%	10	7,600	280,467	15	-	-	33	12,027	277,515	3,3	3,0
106+2,924			33	-	9,791	277,187	15	-	-	10	-	4,901	280,448	9	-	3,401	280,523	-1,57%	7	-	2,401	280,538	-1,57%	277,254	280,576	3,322	7	3,600	280,634	1,63%	8	-	-	-	9	6,100	280,509	-5,00%	10	7,600	280,434	15	-	-	33	11,975	277,518	3,3	2,9
106+6,317			33	-	3,400	277,317	15	-	-	10	-	-	-	9	-	-	-	-	7	-	3,400	280,458	-2,00%	277,366	280,526	3,160	7	3,600	280,601	2,08%	8	-	-	-	9	6,100	280,476	-5,00%	10	7,600	280,401	15	-	-	33	11,901	277,533	-	2,9
106+13,202			33	-	10,880	277,410	15	-	-	10	-	-	-	9	-	-	-	-	7	-	10,880	280,217	-2,03%	277,593	280,438	2,845	7	3,600	280,546	3,00%	8	-	-	-	9	6,100	280,421	-5,00%	10	7,600	280,346	15	-	-	33	11,638	277,654	-	2,7
106+14,588			33	-	12,214	277,388	15	-	-	10	-	-	-	9	-	-	-	-	7	-	12,214	280,161	-2,14%	277,638	280,423	2,785	7	3,600	280,537	3,18%	8	-	-	-	9	6,100	280,419	-4,75%	10	7,600	280,344	15	-	-	33	11,598	277,678	-	2,7
106+16,994			33	-	17,614	277,250	15	-	-	10	-	13,643	279,897	9	-	12,143	279,972	-3,51%	7	-	10,245	280,038	-3,51%	277,716	280,398	2,681	7	3,600	280,524	3,51%	8	-	-	-	9	6,100	280,416	-4,33%	10	7,600	280,341	15	-	-	33	11,530	277,721	2,6	2,6
107+0,000			33	-	15,508	277,359	15	-	-	10	-	11,704	279,896	9	-	10,204	279,971	-3,91%	7	-	8,518	280,037	-3,91%	277,813	280,369	2,556	7	3,600	280,510	3,91%	8	3,833	280,519	3,91%	9	6,100	280,608	3,91%	10	7,600	280,533	15	-	-	33	11,802	277,731	2,5	2,8
107+10,000		PTV	33	-	12,579	277,583	15	-	-	10	-	9,223	279,821	9	-	7,723	279,896	-5,24%	7	-	6,210	279,975	-5,24%	277,723	280,300	2,578	7	3,600	280,489	5,24%	8	4,509	280,536	5,24%	9	6,100	280,620	5,24%	10	7,600	280,545	15	-	-	33	11,874	277,695	2,2	2,8
107+15,702	EC		33	-	11,707	277,673	15	-	-	10	-	8,556	279,773	9	-	7,056	279,848	-6,00%	7	-	5,547	279,939	-6,00%	277,675	280,272	2,597	7	3,600	280,488	6,00%	8	4,865	280,564	6,00%	9	6,367	280,654	6,00%	10	7,867	280,579	15	-	-	33	12,252	277,656	2,1	2,9
108+0,000			33	-	11,252	277,691	15	-	-	10	-	8,121	279,778	9	-	6,621	279,853	-6,00%	7	-	5,113	279,943	-6,00%	277,664	280,250	2,587	7	3,600	280,466	6,00%	8	5,137	280,558	6,00%	9	6,640	280,649	6,00%	10	8,140	280,574	15	-	-	33	12,552	277,633	2,1	2,9
109+0,000			33	-	9,319	278,084	15	-	-	10	-	6,810	279,757	9	-	5,310	279,832	-6,00%	7	-	3,809	279,922	-6,00%	277,608	280,150	2,543	7	3,600	280,366	6,00%	8	6,487	280,539	6,00%	9	7,991	280,630	6,00%	10	9,491	280,555	15	-	-	33	14,465	277,239	1,7	3,3
109+9,904			33	-	9,312	277,915	15	-	-	10	-	6,605	279,719	9	-	5,105	279,794	-6,00%	7	-	3,605	279,884	-6,00%	277,551	280,101	2,550	7	3,600	280,317	6,00%	8	7,200	280,533	6,00%	9	8,700	280,623	6,00%	10	10,200	280,548	15	-	-	33	15,261	277,174	1,8	3,4
109+11,768			33	-	9,376	277,860	15	-	-	10	-	6,600	279,710	9	-	5,100	279,785	-6,00%	7	-	3,600	279,875	-6,00%	277,538	280,091	2,553	7	3,600	280,307	6,00%	8	7,200	280,523	6,00%	9	8,700	280,613	6,00%	10	10,200	280,538	15	-	-	33	15,314	277,129	1,8	3,4
109+19,447			33	-	9,657	277,634	15	-	-	10	-	6,600	279,672	9	-	5,100	279,747	-6,00%	7	-	3,600	279,837	-6,00%	277,494	280,053	2,559	7	3,600	280,269	6,00%	8	7,200	280,269	0,00%	9	8,700	280,269	0,00%	10	10,200	280,194	15	-	-	33	15,507	276,656	2,0	3,5
110+0,000			33	-	9,677	277,618	15	-	-	10	-	6,600	279,669	9	-	5,100	279,744	-6,00%	7	-	3,600	279,834	-6,00%	277,491	280,050	2,559	7	3,600	280,266	6,00%	8	7,203	280,259	-0,19%	9	8,704	280,256	-0,20%	10	10,204	280,181	15	-	-	33	15,005	276,980	2,1	3,2
110+2,241			33	-	9,758	277,553	15	-	-	10	-	6,600	279,658	9	-	5,100	279,733	-6,00%	7	-	3,600	279,823	-6,00%	277,480	280,039	2,559	7	3,600	280,255	6,00%	8	7,321	280,236	-0,51%	9	8,827	280,229	-0,50%	10	10,327	280,154	15	-	-	33	15,168	276,927	2,1	3,2
110+16,387			33	-	9,973	277,339	15	-	-	10	-	6,600	279,587	9	-	5,100	279,662	-6,00%	7	-	3,600	279,752	-6,00%	277,096	279,968	2,872	7	3,600	280,184	6,00%	8	-	-	-	9	12,943	280,031	-1,65%	10	-	-	15	-	-	33	12,947	276,758	2,2	3,3
111+0,000			33	-	9,761	277,462	15	-	-	10	-	6,600	279,569	9	-	5,100	279,644	-6,00%	7	-	3,600	279,734	-6,00%	277,281	279,950	2,669	7	3,600	280,166	6,00%	8	-	-	-	9	9,227	280,175	0,16%	10	-	-	15	-	-	33	9,224	277,009	2,1	3,2
111+3,244			33	-	9,680	277,500	15	-	-	10	-	6,600	279,553	9	-	5,100	279,628	-6,00%	7	-	3,600	279,718	-6,00%	277,263	279,934	2,671	7	3,600	280,150	6,00%	8	-	-	-	9	6,102	280,300	6,00%	10	-	-	15	-	-	33	6,102	277,083	2,1	3,2
112+0,000			33	-	9,340	277,643	15	-	-	10	-	6,600	279,469	9	-	5,100	279,544	-6,00%	7	-	3,600	279,634	-6,00%	277,432	279,850	2,418	7	3,600	280,066	6,00%	8	-	-	-	9	6,100	280,216	6,00%	10	-	-	15	-	-	33	6,100	277,259	1,8	3,0
112+0,113			33	-	9,338	277,644	15	-	-	10	-	6,600	279,469	9	-	5,100	279,544	-6,00%	7	-	3,600	279,634	-6,00%	277,433	279,850	2,417	7	3,600	280,066	6,00%	8	-	-	-	9	6,100	280,216	6,00%	10	-	-	15	-	-	33	6,100	277,261	1,8	3,0
112+4,054			33	-	9,234	277,693	15	-	-	10	-	6,600	279,449	9	-	5,100	279,524	-6,00%	7	-	3,600	279,614	-6,00%	277,446	279,830	2,384	7	3,600	280,046	6,00%	8	-	-	-	9	12,913	279,957	-0,96%	10	-	-	15	-	-	33	12,913	277,136	1,8	2,8
112+8,781	CE		33	-	9,176	277,708	15	-	-	10	-	6,600	279,425	9	-	5,100	279,500	-6,00%	7	-	3,600	279,590	-6,00%	277,398	279,806	2,408	7	3,600	280,022	6,00%	8	10,345	279,893	-1,91%	9	11,983	279,862	-1,91%	10	13,483	279,787	15	-	-	33	17,717	277,058	1,7	2,7
113+0,000			33	-	9,089	277,786	15	-	-	10	-	6,600	279,445	9	-	5,100	279,520	-4,50%	7	-	3,600	279,588	-4,50%	277,285	279,750	2,465	7	3,600	279,912	4,50%	8	7,503	279,932	0,51%	9	9,009	279,939	0,50%	10	10,509	279,864	15	-	-	33	14,417	277,259	1,7	2,6
113+11,281			33	-	9,048	277,834	15	-	-	10	-	6,600	279,466	9	-	5,100	279,541	-3,00%	7	-	3,600	279,586	-3,00%	277,729	279,694	1,965	7	3,600	279,802	3,01%	8	7,200	279,910	2,99%	9	8,699	279,955	3,00%	10	10,199	279,880	15	-	-	33	13,820	277,466	1,6	2,4
113+12,350			33	-	9,046	277,837	15	-	-	10	-	6,600	279,468	9	-	5,100	279,543	-2,87%	7	-	3,600	279,586	-2,86%	277,751	279,688	1,937	7	3,600	279,791	2,86%	8	7,200	279,894	2,86%	9	8,700	279,937	2,86%	10	10,200	279,862	15	-	-	33	13,771	277,481	1,6	2,4
113+18,781			33	-	9,029	277,860	15	-	-	10	-	6,600	279,479	9	-	5,100	279,554	-2,00%	7	-	3,600	279,584	-2,00%	277,886	279,656	1,770	7	3,600	279,728	2,00%	8	7,200	279,800	2,00%	9	8,700	279,830	2,00%	10	10,200	279,755	15	-	-	33	13,474	277,573	1,6	2,2
114+0,000			33	-	9,023	277,866	15	-	-	10	-	6,600	279,481	9	-	5,100	279,556	-1,84%	7	-	3,600	279,584	-1,84%	277,912	279,650	1,738	7	3,600	279,716	1,84%	8	7,200	279,782	1,84%	9	8,700	279,810	1,84%	10	10,200	279,735	15	-	-	33	13,417	277,590	1,6	2,1
114+5,328			33	-	8,999	277,892	15	-	-	10	-	6,600	279,491	9	-	5,100	279,566	-1,13%	7	-	3,600	279,583	-1,13%	277,967	279,624	1,657	7	3,600	279,664	1,13%	8	7,200	279,705	1,14%	9	8,700	279,722	1,13%	10	10,200	279,647	15	-	-	33	13,172	277,665	1,6	2,0
114+7,114			33	-	8,996	277,900	15	-	-	10	-	6,605	279,494	9	-	5,105	279,569	-0,89%	7	-	3,605	279,583	-0,89%	277,965	279,615	1,650	7	3,600	279,647	0,89%	8	7,200	279,679	0,89%	9	8,700	279,692	0,89%	10	10,200	270,617	15	-	-	33	13,090	277,690	1,6	1,9
114+13,781	ECR		33	-	9,253	277,929	15	-	-	10	-	6,887	279,506	9	-	5,387	279,581	0,00%	7	-	3,883	279,581	0,00%	277,956	279,581	1,625	7	3,600	279,581	0,00%	8	6,736	279,581	0,00%	9	8,239	279,581	0,00%	10	9,739	279,506	15	-	-	33	12,323	277,784	1,6	1,7
115+0,000			33	-	9,956	277,948	15	-	-	10	-	7,590	279,526	9	-	6,090	279,601	0,83%	7	-	4,573	279,588	0,83%	277,965	279,550	1,585	7	3,600	279,520	-0,83%	8	6,344	279,498	-0,83%	9	7,847	279,485	-0,83%	10	9,347	279,410	15	-	-	33	11,652	277,873	1,6	1,5
115+16,281			33	-	14,861	277,967	15	-	-	10	-	12,721	279,394	9	-	11,221	279,469	0,00%	7	-	9,372	279,469	0,00%	278,048	279,469	1,421	7	3,600	279,361	-3,00%	8	5,303	279,310	-3,00%	9	6,807	279,265	-3,00%	10	8,307	279,190	15	-	-	33	9,430	278,441	1,4	0,7
115+19,652			33	-	12,398	277,991	15	-	-	10	-	-	-	9	-	-	-	-	7	-	12,398	279,238	-1,73%	278,064	279,452	1,388	7	3,600	279,344	-3,00%	8	5,086	279,299	-3,03%	9	6,589	279,254	3,00%	10	8,089	279,179	15	-	-	33	9,677	278,121	-	1,1
116+0,000			33	-	12,089	277,995	15	-	-	10	-	-	-	9	-	-	-	-	7	-	12,089	279,252	-1,64%	278,066	279,450	1,385	7	3,600	279,342	-3,00%	8	5,063	279,298	-3,00%	9	6,566	279,253	-3,00%	10	8,066	279,178	15	-	-	33	9,650	278,122	-	1,1
116+7,178			33	-	5,816	278,088	15	-	-	10	-	-	-	9	-	-	-	-	7	-	5,816	279,589	3,00%	278,109	279,414	1,305	7	3,600	279,306	-3,00%	8	4,597	279,280	-2,65%	9	6,100	279,231	-3,00%	10	7,600	279,156	15	-	-	33	9,161	278,116	-	1,0
116+8,714			33	-	3,394	278,121	15	-	-	10	-	-	-	9	-	-	-	-	7	-	3,394	279,508	3,00%	278,077	279,407	1,330	7	3,600	279,299	-3,00%	8	4,497	279,272	-3,01%	9	6,100	279,244	-3,00%	10	7,600	279,149	15	-	-	33	9,137	278,124	-	1,0
116+11,534			33	-	5,100	278,053	15	-	-	10	-	-	-	9	-	5,100	279,546	3,00%	7	-	3,600	279,501	3,00%	278,074	279,393	1,318	7	3,600	279,285	-3,00%	8	4,312	279,263	-3,00%	9	6,100	279,210	-3,00%	10	7,600	279,135	15	-	-	33	9,094	278,138	-	1,0
117+0,000			33	-	6,915	278,034	15	-	-	10	-	4,900	279,377	9	-	3,400	279,452	3,00%	7	-	2,400	279,422	3,00%	278,080	279,350	1,270	7	3,600	279,242	-3,00%	8	3,755	279,238	-3,00%	9	6,100	279,167	-3,00%	10	7,600	279,092	15	-	-	33	8,964	278,183	1,3	0,9
117+2,346			33	-	6,866	278,055	15	-	-	10	-	4,900	279,365	9	-	3,400	279,440	3,00%	7	-	2,400	279,410	3,00%	278,082	279,338	1,256	7	3,600	279,230	-3,00%	8	-	-	-	9	6,100	279,105	-5,00%	10	7,600	279,030	15	-	-	33	8,853	278,195	1,3	0,8
118+0,000			33	-	6,609	278,138	15	-	-	10	-	4,900	279,277	9	-	3,400	279,352	3,00%	7	-	2,400	279,322	3,00%	278,123	279,250	1,127	7	3,600	279,142	-3,00%	8	-	-	-	9	6,100	279,017	-5,00%	10	7,600	278,942	15	-	-	33	8,555	278,305	1,1	0,6
118+12,509			33	-	6,654	278,045	15	-	-	10	-	4,900	279,215	9	-	3,400	279,290	3,00%	7	-	2,400	279,260	3,00%	278,032	279,188	1,156	7	3,600	279,080	-3,00%	8	-	-	-	9	6,100	278,955	-5,00%	10	7,600	278,880	15	-	-	33	8,764	278,103	1,2	0,8
119+0,000			33	-	6,646	278,014	15	-	-	10	-	4,900	279,177	9	-	3,400	279,252	3,00%	7	-	2,400	279,222	3,00%	277,973	279,150	1,177	7	3,600	279,042	-3,00%	8	-	-	-	9	6,100	278,917	-5,00%	10	7,600	278,842	15	-	-	33	8,850	278,009	1,2	0,8
120+0,000			33	-	6,835	277,787	15	-	-	10	-	4,900	279,077	9	-	3,400	279,152	3,00%	7	-	2,400	279,122	3,00%	277,845	279,050	1,205	7	3,600	278,942	-3,00%	8	-	-	-	9	6,100	278,817	-5,00%	10	7,600	278,742	15	-	-	33	8,976	277,825	1,3	0,9
120+11,390			33	-	6,427	277,650	15	- 6,427	35,002	10	-	4,900	279,020	9	-	3,400	279,095	3,00%	7	-	2,400	279,065	3,00%	277,727	278,993	1,266	7	3,600	278,885	-3,00%	8	-	-	-	9	6,100	278,760	-5,00%	10	7,600	278,685	15	-	-	33	9,048	277,720	1,4	1,0
120+17,806			33	-	6,037	277,837	15	- 6,037	278,362	10	-	5,089	278,994	9	-	3,589	279,069	3,00%	7	-	2,589	279,039	3,00%	277,889	278,961	1,072	7	3,600	278,853	-3,00%	8	-	-	-	9	5,924	278,737	-5,00%	10	7,424	278,662	15	-	-	33	8,494	277,949	1,2	0,7
121+0,000			33	-	3,656	278,138	15	-	-	10	-	-	-	9	-	3,656	279,060	3,00%	7	-	2,655	279,030	3,00%	277,928	278,950	1,022	7	3,600	278,842	-3,00%	8	-	-	-	9	5,867	278,729	-5,00%	10	7,367	278,654	15	-	-	33	8,317	278,020	-	0,6
122+0,000			33	-	4,261	277,632	15	-	-	10	-	-	-	9	-	4,261	278,978	3,00%	7	-	3,261	278,948	3,00%	277,702	278,850	1,149	7	3,600	278,742	-3,00%	8	-	-	-	9	5,398	278,652	-5,00%	10	6,898	278,577	15	-	-	33	8,155	277,739	-	0,8
122+11,238	PT		33	-	4,600	277,596	15	-	-	10	-	-	-	9	-	4,600	278,932	3,00%	7	-	3,600	278,902	3,00%	277,615	278,794	1,179	7	3,600	278,686	-3,00%	8	-	-	-	9	5,179	278,607	-5,00%	10	6,679	278,532	15	-	-	33	7,963	277,676	-	0,9
123+0,000			33	-	4,600	277,528	15	-	-	10	-	-	-	9	-	4,600	278,888	3,00%	7	-	3,600	278,858	3,00%	277,551	278,750	1,199	7	3,600	278,642	-3,00%	8	-	-	-	9	5,084	278,568	-5,00%	10	6,584	278,493	15	-	-	33	7,789	277,690	-	0,8
123+6,639	PF	PFV	33	-	4,600	277,463	15	-	-	10	-	-	-	9	-	4,600	278,855	3,00%	7	-	3,600	278,825	3,00%	277,543	278,717	1,174	7	3,600	278,609	-3,00%	8	-	-	-	9	5,100	278,534	-5,00%	10	6,600	278,459	15	-	-	33	7,741	277,698	-	0,8

4.1.6.2. Ramo 200

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 1300+0,000 - Ramo 200

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA																		COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA																ALTURAS DOS TALUDES	
			Talude			Encontro de Talude			Fundo canaleta			Faixa de segurança / Concordância de pista				Acostamento				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Acostamento				Fundo canaleta / Barreira			Encontro de Talude			Talude				
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
200+0,000	PP	PPV	33	-4,600	556,179	15	-	-	10	-	-	9	-4,600	278,855	3,00%	7	-3,600	278,825	3,00%	277,450	278,717	1,267	7	3,600	278,609	-3,00%	9	5,100	278,484	-5,00%	10	7,600	278,109	15	-	-	33	7,600	278,109	-	1,0
200+2,289	TE		33	-4,600	277,488	15	-	-	10	-	-	9	-4,600	278,866	3,00%	7	-3,600	278,836	3,00%	277,477	278,728	1,252	7	3,600	278,620	-3,00%	9	5,100	278,545	-5,00%	10	6,600	278,470	15	-	-	33	8,103	277,469	-	1,0
201+0,000			33	-4,125	277,615	15	-	-	10	-	-	9	-4,125	278,941	3,00%	7	-3,125	278,911	3,00%	277,647	278,817	1,170	7	3,600	278,709	-3,00%	9	5,491	278,614	-5,00%	10	6,991	278,539	15	-	-	33	8,340	277,640	-	0,9
201+2,289			33	-4,049	277,613	15	-	-	10	-	-	9	-4,049	278,950	3,00%	7	-3,048	278,920	3,00%	277,644	278,828	1,184	7	3,600	278,720	-3,00%	9	5,557	278,623	-5,00%	10	7,057	278,548	15	-	-	33	8,353	277,684	-	0,9
201+12,289			33	-3,723	277,645	15	-	-	10	-	-	9	-3,723	278,990	3,00%	7	-2,722	278,960	3,00%	277,634	278,878	1,244	7	3,600	278,770	-3,00%	9	5,839	278,659	-5,00%	10	7,339	278,584	15	-	-	33	8,647	277,712	-	0,9
202+0,000			33	-3,518	277,674	15	-	-	10	-	-	9	-3,518	279,059	4,03%	7	-2,518	279,018	4,03%	277,659	278,917	1,258	7	3,600	278,772	-4,03%	9	6,010	278,651	-5,00%	10	7,510	278,576	15	-	-	33	8,841	277,689	-	0,9
202+7,289	EC		33	-3,400	278,200	15	-	-	10	-	-	9	-3,400	279,123	5,00%	7	-2,400	279,073	5,00%	278,138	278,953	0,816	7	3,600	278,773	-5,00%	9	6,100	278,648	-5,00%	10	7,600	278,573	15	-	-	33	8,735	277,817	-	0,8
202+8,712			33	-3,400	277,849	15	-	-	10	-	-	9	-3,400	279,131	5,00%	7	-2,400	279,081	5,00%	277,877	278,961	1,083	7	3,600	278,781	-5,00%	9	6,100	278,656	-5,00%	10	7,600	278,581	15	-	-	33	8,517	277,969	-	0,6
202+18,440			33	-7,017	277,693	15	-	-	10	-4,900	279,104	9	-3,400	279,179	5,00%	7	-2,400	279,129	5,00%	277,554	279,009	1,455	7	3,600	278,829	-5,00%	9	6,100	278,704	-5,00%	10	7,600	278,629	15	-	-	33	9,332	277,475	1,4	1,2
203+0,000			33	-7,005	277,709	15	-	-	10	-4,900	279,112	9	-3,400	279,187	5,00%	7	-2,400	279,137	5,00%	277,551	279,017	1,466	7	3,600	278,837	-5,00%	9	6,100	278,712	-5,00%	10	7,600	278,637	15	-	-	33	9,361	277,463	1,4	1,2
203+9,591	CE		33	-6,968	277,781	15	-	-	10	-4,900	279,160	9	-3,400	279,235	5,00%	7	-2,400	279,185	5,00%	277,530	279,065	1,535	7	3,600	278,885	-5,00%	9	6,100	278,760	-5,00%	10	7,600	278,685	15	-	-	33	9,415	277,475	1,4	1,2
204+0,000			33	-6,907	277,835	15	-	-	10	-4,900	279,173	9	-3,400	279,248	3,84%	7	-2,400	279,209	3,84%	277,571	279,117	1,546	7	3,600	278,979	-3,84%	9	6,100	278,854	-5,00%	10	7,600	278,779	15	-	-	33	9,396	277,582	1,3	1,2
204+7,592			33	-6,823	277,900	15	-	-	10	-4,900	279,182	9	-3,400	279,257	3,00%	7	-2,400	279,227	3,00%	277,786	279,155	1,369	7	3,600	279,047	-3,00%	9	6,100	278,922	-5,00%	10	7,600	278,847	15	-	-	33	9,353	277,678	1,3	1,2
205+0,000			33	-6,662	278,022	15	-	-	10	-4,900	279,197	9	-3,400	279,272	1,62%	7	-2,400	279,256	1,62%	277,636	279,217	1,581	7	3,600	279,159	-1,62%	9	6,100	279,034	-5,00%	10	7,600	278,959	15	-	-	33	9,211	277,885	1,2	1,1
205+14,591	ECR		33	-6,617	278,070	15	-	-	10	-4,900	279,215	9	-3,400	279,290	0,00%	7	-2,400	279,290	0,00%	278,056	279,290	1,234	7	3,600	279,290	0,00%	9	6,100	279,165	-5,00%	10	7,600	279,090	15	-	-	33	9,196	278,026	1,1	1,1
205+14,593			33	-6,618	278,070	15	-	-	10	-4,900	279,215	9	-3,400	279,290	0,00%	7	-2,400	279,290	0,00%	278,056	279,290	1,234	7	3,600	279,290	0,00%	9	6,100	279,165	-5,00%	10	7,600	279,090	15	-	-	33	9,196	278,026	1,1	1,1
206+0,000			33	-6,738	277,997	15	-	-	10	-4,900	279,222	9	-3,400	279,297	-0,60%	7	-2,400	279,303	-0,60%	277,985	279,317	1,332	7	3,600	279,339	0,60%	9	6,100	279,219	-4,80%	10	7,600	279,144	15	-	-	33	9,382	277,955	1,2	1,2
206+17,340			33	-3,399	277,942	15	-	-	10	-	-	9	-3,400	279,318	-2,53%	7	-2,400	279,343	-2,53%	277,887	279,404	1,517	7	3,600	279,495	2,53%	9	6,100	279,391	-4,16%	10	7,600	279,316	15	-	-	33	9,860	277,809	-	1,5
207+0,000			33	-3,401	277,949	15	-	-	10	-	-	9	-	-	-	7	-3,400	279,321	-2,82%	277,894	279,417	1,523	7	3,600	279,519	2,82%	9	6,100	279,417	-4,06%	10	7,600	279,342	15	-	-	33	9,874	277,826	-	1,5
207+0,681			33	-3,400	277,951	15	-	-	10	-	-	9	-	-	-	7	-3,400	279,322	-2,90%	277,896	279,420	1,524	7	3,600	279,525	2,90%	9	6,100	279,424	4,03%	10	7,600	279,349	15	-	-	33	9,877	277,831	-	1,5
207+1,594			33	-4,883	277,969	15	-	-	10	-	-	9	-	-	-	7	-4,883	279,356	-1,40%	277,899	279,425	1,526	7	3,600	279,533	3,00%	9	6,100	279,433	-4,00%	10	7,600	279,358	15	-	-	33	9,882	277,837	-	1,5
207+8,871			33	-12,191	279,151	15	-	-	10	-	-	9	-	-	-	7	-12,191	279,151	-2,54%	277,887	279,461	1,574	7	3,600	279,569	3,00%	9	6,100	279,469	-4,00%	10	7,600	279,394	15	-	-	33	9,897	277,863	-	1,5
208+0,000			33	-11,746	277,904	15	-	-	10	-9,812	279,193	9	-8,312	279,268	-3,00%	7	-6,770	279,314	-3,00%	277,819	279,517	1,698	7	3,600	279,625	3,00%	9	6,100	279,525	-4,00%	10	7,600	279,450	15	-	-	33	10,342	277,622	1,3	1,8
209+0,000			33	-9,165	277,820	15	-	-	10	-6,822	279,382	9	-5,322	279,457	-3,00%	7	-3,819	279,502	-3,00%	277,645	279,617	1,972	7	3,600	279,725	3,00%	9	6,100	279,625	-4,00%	10	7,600	279,550	15	-	-	33	10,920	277,337	1,6	2,2
209+7,185			33	-9,130	277,738	15	-	-	10	-6,600	279,425	9	-5,100	279,500	-3,00%	7	-3,600	279,545	-3,00%	277,641	279,653	2,012	7	3,600	279,761	3,00%	9	6,100	279,661	-4,00%	10	7,600	279,586	15	-	-	33	10,990	277,326	1,7	2,3
209+18,289			33	-9,402	277,613	15	-	-	10	-6,600	279,480	9	-5,100	279,555	-3,00%	7	-3,600	279,600	-3,00%	277,595	279,708	2,113	7	3,600	279,816	3,00%	9	6,100	279,716	-4,00%	10	7,600	279,641	15	-	-	33	11,094	277,312	1,9	2,3
210+0,000			33	-9,444	277,593	15	-	-	10	-6,600	279,489	9	-5,100	279,564	-3,00%	7	-3,600	279,609	-3,00%	277,575	279,717	2,142	7	3,600	279,825	3,00%	9	6,100	279,725	-4,00%	10	7,600	279,650	15	-	-	33	11,116	277,306	1,9	2,3
211+0,000			33	-9,681	277,535	15	-	-	10	-6,600	279,589	9	-5,100	279,664	-3,00%	7	-3,600	279,709	-3,00%	277,502	279,817	2,315	7	3,600	279,925	3,00%	9	6,100	279,825	-4,00%	10	7,600	279,750	15	-	-	33	11,035	277,460	2,1	2,3
212+0,000			33	-9,848	277,524	15	-	-	10	-6,600	279,689	9	-5,100	279,764	-3,00%	7	-3,600	279,809	-3,00%	277,501	279,917	2,416	7	3,600	280,025	3,00%	9	6,100	279,925	-4,00%	10	7,600	279,850	15	-	-	33	11,044	277,554	2,2	2,3
213+0,000			33	-10,146	277,425	15	-	-	10	-6,600	279,789	9	-5,100	279,864	-3,00%	7	-3,600	279,909	-3,00%	277,497	280,017	2,520	7	3,600	280,125	3,00%	9	6,100	280,025	-4,00%	10	7,600	279,950	15	-	-	33	11,528	277,331	2,4	2,6
213+10,976			33	-10,427	277,293	15	-	-	10	-6,600	279,844	9	-5,100	279,919	-3,00%	7	-3,600	279,964	-3,00%	277,371	280,072	2,701	7	3,600	280,180	3,00%	9	6,100	280,080	-4,00%	10	7,600	280,005	15	-	-	33	11,652	277,304	2,6	2,7
213+17,738			33	-10,670	277,211	15	-	-	10	-6,600	279,924	9	-5,100	279,999	-2,07%	7	-3,600	280,030	-2,09%	277,281	280,106	2,825	7	3,600	280,181	2,09%	9	6,100	280,074	4,30%	10	7,600	279,999	15	-	-	33	11,688	277,273	2,7	2,7
214+0,000			33	-10,773	277,183	15	-	-	10	-6,622	279,950	9	-5,122	280,025	-1,79%	7	-3,622	280,052	-1,79%	277,251	280,117	2,866	7	3,600	280,181	1,79%	9	6,100	280,071	-4,40%	10	7,600	279,996	15	-	-	33	11,715	277,253	2,8	2,7
214+1,984	PT		33	-10,896	277,160	15	-	-	10	-6,677	279,973	9	-5,177	280,048	-1,52%	7	-3,676	280,071	-1,52%	277,224	280,127	2,903	7	3,600	280,182	1,52%	9	6,100	280,070	-4,49%	10	7,600	279,995	15	-	-	33	11,738	277,236	2,8	2,8
214+10,000		PCV	33	-11,690	277,139	15	-	-	10	-7,300	280,066	9	-5,800	280,141	-0,45%	7	-4,290	280,148	-0,45%	277,141	280,167	3,026	7	3,600	280,183	0,45%	9	6,100	280,062	-4,85%	10	7,600	279,987	15	-	-	33	11,828	277,168	2,9	2,8
214+13,359	TE		33	-12,218	277,138	15	-	-	10	-7,759	280,111	9	-6,259	280,186	0,00%	7	-4,741	280,186	0,00%	277,129	280,186	3,057	7	3,600	280,186	0,00%	9	6,100	280,061	-5,00%	10	7,600	279,986	15	-	-	33	11,846	277,155	3,0	2,8
215+0,000			33	-13,504	277,140	15	-	-	10	-9,029	280,124	9	-7,529	280,199	-0,50%	7	-5,991	280,206	-0,50%	277,104	280,236	3,133	7	3,600	280,205	-0,89%	9	6,100	280,080	-5,00%	10	7,600	280,005	15	-	-	33	11,912	277,130	3,0	2,9
215+8,359			33	-16,533	277,150	15	-	-	10	-12,047	280,144	9	-10,547	280,219	-1,00%	7	-8,790	280,236	-1,00%	277,082	280,324	3,242	7	3,600	280,252	-2,00%	9	6,100	280,127	-5,00%	10	7,600	280,052	15	-	-	33	12,025	277,102	3,0	3,0
215+12,632			33	-12,369	277,132	15	-	-	10	-	-	9	-	-	-	7	-12,369	280,182	-1,60%	277,081	280,380	3,299	7	3,600	280,287	-2,57%	9	6,100	280,162	-5,00%	10	7,600	280,087	15	-	-	33	12,087	277,096	-	3,0
215+15,859			33	-9,456	277,119	15	-	-	10	-	-	9	-	-	-	7	-9,456	280,360	-0,71%	277,080	280,426	3,346	7	3,600	280,318	-3,00%	9	6,100	280,193	-5,00%	10	7,600	280,118	15	-	-	33	12,140	277,092	-	3,0
216+0,000			33	-5,864	277,103	15	-	-	10	-	-	9	-	-	-	7	-5,864	280,582	1,54%	277,079	280,492	3,413	7	3,600	280,364	-3,55%	9	6,100	280,235	-5,18%	10	7,600	280,160	15	-	-	33	12,209	277,087	-	3,1
216+1,565			33	-3,400	277,095	15	-	-	10	-	-	9	-	-	-	7	-3,400	280,646	3,76%	277,081	280,519	3,438	7	3,600	280,383	-3,76%	9	6,100	280,252	-5,25%	10	7,600	280,177	15	-	-	33	12,237	277,085	-	3,1
216+4,312			33	-6,004	277,109	15	-6,004	279,897	10	-4,900	280,633	9	-3,400	280,708	4,13%	7	-2,400	280,667	4,13%	277,084	280,567	3,483	7	3,600	280,419	-4,13%	9	6,100	280,285	-5,38%	10	7,600	280,210	15	-	-	33	12,284	277,087	3,5	3,1
216+15,000			33	-10,541	277,139	15	-	-	10	-4,900	280,900	9	-3,400	280,975	5,55%	7	-2,400	280,919	5,55%	277,083	280,786	3,702	7	3,600	280,586	-5,55%	9	6,100	280,440	-5,85%	10	7,600	280,365	15	-	-	33	12,502	277,096	3,8	3,3
216+18,359	EC		33	-10,677	277,141	15	-	-	10	-4,900	280,992	9	-3,400	281,067	6,00%	7	-2,400	281,007	6,00%	277,081	280,863	3,782	7	3,600	280,647	-6,00%	9	6,100	280,497	-6,00%	10	7,600	280,422	15	-	-	33	12,585	277,099	3,9	3,3
217+0,000			33	-10,738	277,140	15	-	-	10	-4,900	281,032	9	-3,400	281,107	6,00%	7	-2,400	281,047	6,00%	277,080	280,903	3,823	7	3,600	280,687	-6,00%	9	6,100	280,537	-6,00%	10	7,600	280,462	15	-	-	33	12,643	277,100	3,9	3,4
218+0,000			33	-6,376	277,057	15	-6,376	280,615	10	-4,900	281,599	9	-3,400	281,674	6,00%	7	-2,400	281,614	6,00%	277,069	281,470	4,401	7	3,600	281,254	-6,00%	9	6,100	281,104	-6,00%	10	7,600	281,029	15	-	-	33	13,814	276,886	4,5	4,1
218+2,054			33	-5,955	277,056	15	-5,955	280,962	10	-4,900	281,666	9	-3,400	281,741	6,00%	7	-2,400	281,681	6,00%	277,076	281,537	4,461	7	3,600	281,321	-6,00%	9	6,100	281,171	-6,00%	10	7,600	281,096	15	-	-	33	13,825	276,946	4,6	4,1
218+7,607			33	-3,400	277,088	15	-	-	10	-	-	9	-	-	-	7	-3,400	281,930	6,00%	277,094	281,726	4,632	7	3,600	281,510	-6,00%	9	6,100	281,360	-6,00%	10	7,600	281,285	15	-	-	33	13,895	277,089	-	4,2
218+10,077			33	-4,600	277,094	15	-	-	10	-	-	9	-4,600	282,090	6,00%	7	-3,600	282,030	6,00%	277,102	281,814	4,712	7	3,600	281,598	-6,00%	9	6,100	281,448	-6,00%	10	7,600	281,373	15	-	-	33	14,010	277,100	-	4,3
219+0,000		PTV	33	-2,868	277,134	15	-	-	10	-	-	9	-	-	-	7	-2,868	282,364	6,00%	277,137	282,192	5,055	7	3,600	281,976	-6,00%	9	6,100	281,826	-6,00%	10	7,600	281,751	15	-	-	33	14,512	277,143	-	4,6
219+16,856	CE		33	-1,391	277,211	15	-	-	10	-	-	9	-	-	-	7	-1,391	282,950	6,00%	277,211	282,866	5,655	7	3,600	282,650	-6,00%	9	6,100	282,500	-6,00%	10	7,600	282,425	15	-	-	33	15,441	277,198	-	5,2
220+0,000			33	-1,270	277,224	15	-	-	10	-	-	9	-	-	-	7	-1,270	283,063	5,58%	277,224	282,992	5,768	7	3,600	282,791	-5,58%	9	6,100	282,644	-5,86%	10	6,500	282,644	15	7,600	282,589	33	7,600	277,221	-	5,4
220+19,356			33	-0,281	277,126	15	-	-	10	-	-	9	-	-	-	7	-0,281	283,774	3,00%	277,130	283,766	6,636	7	3,600	283,658	-3,00%	9	6,100	283,533	-5,00%	10	6,500	283,533	15	7,600	283,478	33	7,600	277,266	-	6,2
221+0,000			33	-0,258	277,127	15	-	-	10	-	-	9	-	-	-	7	-0,258	283,800	3,00%	277,131	283,792	6,660	7	3,600	283,684	-3,00%	9	6,100	283,559	-5,00%	10	6,500	283,559	15	7,600	283,184	33	7,600	277,262	-	5,9
221+6,856			33	-0,083	277,143	15	-	-	10	-	-	9	-	-	-	7	-0,083	284,069	3,00%	277,144	284,066	6,922	7	3,600	283,958	-3,00%	9	6,100	283,833	-5,00%	10	6,500	283,833	15	7,600	283,778	33	7,600	277,255	-	6,5
222+0,000			33	-0,000	277,182	15	-	-	10	-	-	9	-	-	-	7	-	-	-	277,182	284,592	7,410	7	3,600	284,484	-3,00%	9	6,100	284,359	-5,00%	10	6,500	284,359	15	7,600	284,304	33	7,600	277,170	-	7,1
222+1,856	ET	PFV	33	-	277,212	15	-	-	10	-	-	9	-	-	-	7	-	-	-	277,212	284,666	7,454	7	3,600	284,558	-3,00%	9	6,100	284,433	-5,00%	10	6,500	284,433	15	7,600	284,058	33	7,600	277,178	-	6,9

4.1.6.3. Ramo 300

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 1300+0,000 - Ramo 300

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA										COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA												ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de segurança				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Faixa de segurança				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
301+16,560			33	-4,732	277,964	10	-3,000	279,118	9	-1,500	279,193	-3,00%	277,991	279,238	1,247	7	10,000	279,538	3,00%	9	11,000	279,568	3,00%	10	-	-	33	11,000	278,100	1,2	-
301+18,223			33	-4,713	277,961	10	-3,000	279,103	9	-1,500	279,178	-2,92%	277,988	279,222	1,234	7	10,000	279,514	2,92%	9	11,000	279,543	2,92%	10	-	-	33	11,000	278,106	1,1	-
302+0,000			33	-4,696	277,958	10	-3,000	279,089	9	-1,500	279,164	-2,83%	277,984	279,207	1,223	7	10,000	279,490	2,83%	9	11,000	279,518	2,83%	10	12,500	279,443	33	14,609	278,037	1,1	1,4
302+6,429			33	-4,671	277,940	10	-3,000	279,054	9	-1,500	279,129	-2,51%	277,959	279,166	1,207	7	10,000	279,418	2,51%	9	11,000	279,443	2,51%	10	12,771	279,187	33	14,384	278,112	1,1	1,1
302+14,107			33	-4,666	277,932	10	-3,000	279,043	9	-1,500	279,118	-2,13%	277,931	279,149	1,218	7	10,000	279,363	2,13%	9	11,000	279,384	2,13%	10	12,781	279,122	33	14,511	277,968	1,1	1,2
302+14,786			33	-4,668	277,931	10	-3,000	279,043	9	-1,500	279,118	-2,10%	277,929	279,150	1,221	7	10,000	279,359	2,10%	9	11,000	279,380	2,10%	10	-	-	33	11,000	278,000	1,1	-
302+16,761			33	-4,679	277,927	10	-3,000	279,047	9	-1,500	279,122	-2,00%	277,923	279,152	1,229	7	10,000	279,352	2,00%	9	11,000	279,372	2,00%	10	-	-	33	11,000	277,967	1,1	-

4.1.6.4. Ramo 400

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 1300+0,000 - Ramo 400

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA										COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA												ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de segurança				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Faixa de segurança				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
401+17,063			33	- 7,328	277,162	10	- 3,000	280,047	9	- 1,500	280,122	-4,00%	277,132	280,182	3,050	7	10,000	280,582	4,00%	9	11,000	280,622	4,00%	10	-	-	33	11,000	277,101	2,9	-
401+18,693			33	- 7,321	277,169	10	- 3,000	280,050	9	- 1,500	280,125	-3,90%	277,137	280,183	3,046	7	10,000	280,573	3,90%	9	11,000	280,612	3,90%	10	-	-	33	11,000	277,112	2,9	-
401+19,718			33	- 7,316	277,174	10	- 3,000	280,051	9	- 1,500	280,126	-3,83%	277,140	280,183	3,043	7	10,000	280,567	3,83%	9	11,000	280,605	3,83%	10	12,500	280,530	33	17,628	277,111	2,9	3,4
402+0,000			33	- 7,314	277,175	10	- 3,000	280,051	9	- 1,500	280,126	-3,82%	277,141	280,183	3,042	7	10,000	280,565	3,82%	9	11,000	280,603	3,82%	10	12,500	280,528	33	17,622	277,113	2,9	3,4
402+0,000			33	- 7,314	277,175	10	- 3,000	280,051	9	- 1,500	280,126	-3,82%	277,141	280,183	3,042	7	10,000	280,565	3,82%	9	11,000	280,603	3,82%	10	12,500	280,528	33	17,622	277,113	2,9	3,4
402+6,254			33	- 7,265	277,208	10	- 3,000	280,052	9	- 1,500	280,127	-3,42%	277,175	280,178	3,003	7	10,000	280,520	3,42%	9	11,000	280,555	3,42%	10	12,500	280,480	33	17,471	277,165	2,8	3,3
402+11,029			33	- 7,173	277,263	10	- 3,000	280,045	9	- 1,500	280,120	-3,13%	277,320	280,167	2,847	7	10,000	280,480	3,13%	9	11,000	280,511	3,13%	10	-	-	33	11,000	277,210	2,8	-
402+13,029			33	- 7,104	277,305	10	- 3,000	280,041	9	- 1,500	280,116	-3,00%	277,388	280,161	2,773	7	10,000	280,461	3,00%	9	11,000	280,491	3,00%	10	-	-	33	11,000	277,315	2,7	-

4.1.6.5. Ramo 500

NOTA DE SERVIÇO DE TERRAPLENAGEM

Rodovia: BR-158/262-MS	Elementos do Projeto		DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte — Dispositivo Est. 1300+0,000 - Ramo 500																				ALTURAS DOS TALUDES	
ESTACA			LADO ESQUERDO — PLATAFORMA ACABADA								COTAS DE EIXO			LADO DIREITO — PLATAFORMA ACABADA										
			Talude			Bordo da pista							Faixa de segurança				Fundo canaleta			Talude				
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	Terreno Natural	Projeto	Cota vermelha	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
500+19,272			33	- 10,000	277,083	7	- 10,000	280,300	2,69%	276,758	280,031	3,273	9	1,500	279,990	-2,69%	10	3,000	279,915	33	7,823	276,700	-	3,2
501+0,000			33	- 11,484	277,087	7	- 11,484	280,325	2,67%	276,735	280,018	3,283	9	1,500	279,978	-2,67%	10	3,000	279,903	33	7,814	276,693	-	3,2
501+1,454			33	- 15,447	277,131	7	- 15,447	280,399	2,64%	276,684	279,992	3,308	9	1,500	279,952	-2,64%	10	3,000	279,877	33	7,814	276,668	-	3,2
501+5,000			33	- 11,377	276,831	7	- 11,377	280,214	2,56%	276,563	279,923	3,360	9	1,500	279,885	-2,56%	10	3,000	279,810	33	7,819	276,597	-	3,2
501+7,187			33	- 10,000	276,762	7	- 10,000	280,129	2,51%	276,616	279,878	3,262	9	1,500	279,840	-2,51%	10	3,000	279,765	33	7,805	276,562	-	3,2
501+9,339	PCC		33	- 9,072	276,581	7	- 9,072	280,031	2,21%	276,580	279,830	3,250	9	1,500	279,792	-2,55%	10	3,000	279,717	33	7,770	276,537	-	3,2
502+0,000			33	- 6,009	276,277	7	- 6,009	279,728	2,77%	276,188	279,562	3,374	9	1,500	279,521	-2,77%	10	3,000	279,446	33	7,703	276,310	-	3,1
502+0,404			33	- 5,897	276,267	7	- 5,897	279,714	2,78%	276,178	279,551	3,373	9	1,500	279,509	-2,78%	10	3,000	279,434	33	7,699	276,302	-	3,1
502+10,000		PTV	33	- 4,510	276,009	7	- 4,510	279,391	2,97%	276,055	279,258	3,203	9	1,500	279,213	-2,97%	10	3,000	279,138	33	7,559	276,098	-	3,0
502+11,469	PT	PFV	33	- 5,000	275,969	7	- 5,000	279,359	3,00%	276,051	279,209	3,158	9	1,500	279,164	-3,00%	10	3,000	279,089	33	7,516	276,078	-	3,0

4.1.6.6. Ramo 600

NOTA DE SERVIÇO DE TERRAPLENAGEM

Rodovia: BR-158/262-MS	Elementos do Projeto		DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Dispositivo Est. 1300+0,000 - Ramo 600 — LADO ESQUERDO — PLATAFORMA ACABADA							COTAS DE EIXO			LADO DIREITO — PLATAFORMA ACABADA										Taludes: Positivos(+)=Aterro; Negativos(-)=Corte — ALTURAS DOS TALUDES	
ESTACA			Talude			Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Faixa de segurança				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
600+0,000	PP	PCV	33	- 4,788	275,972	7	- 4,788	279,344	0,00%	275,927	279,344	3,417	9	1,500	279,344	0,00%	10	3,000	279,269	33	8,272	275,754	-	3,5
600+18,899	PC		33	- 4,788	276,416	7	- 4,788	279,873	2,05%	276,341	279,775	3,434	9	1,500	279,744	-2,05%	10	3,000	279,669	33	8,185	276,213	-	3,5
601+0,000			33	- 4,958	276,445	7	- 4,958	279,900	2,17%	276,365	279,792	3,427	9	1,500	279,760	-2,17%	10	3,000	279,685	33	8,175	276,235	-	3,4
601+5,000			33	- 6,539	276,588	7	- 6,539	280,037	2,71%	276,469	279,860	3,391	9	1,500	279,819	-2,71%	10	3,000	279,744	33	8,132	276,323	-	3,4
601+7,635			33	- 8,000	276,762	7	- 8,000	280,128	3,00%	276,521	279,888	3,368	9	1,500	279,843	-3,00%	10	3,000	279,768	33	8,103	276,366	-	3,4
602+0,000			33	- 10,026	277,211	7	- 10,026	280,278	3,21%	276,959	279,956	2,997	9	1,500	279,908	-3,21%	10	3,000	279,833	33	7,442	276,872	-	3,0
602+0,524			33	- 9,570	277,222	7	- 9,570	280,264	3,22%	276,970	279,956	2,986	9	1,500	279,908	-3,22%	10	3,000	279,833	33	7,385	276,910	-	2,9
602+1,518			33	- 8,751	277,241	7	- 8,751	280,240	3,23%	276,993	279,957	2,964	9	1,500	279,908	-3,23%	10	3,000	279,833	33	7,278	276,981	-	2,9
602+2,502			33	- 8,000	277,261	7	- 8,000	280,216	3,25%	277,136	279,956	2,820	9	1,500	279,908	-3,25%	10	3,000	279,833	33	7,173	277,051	-	2,8

4.1.6.7. Ramo 700

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 1300+0,000 - Ramo 700

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA														COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA														ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de segurança				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Faixa de segurança				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
700+0,000	TE	PPV	33	-12,772	275,754	10	-7,500	279,269	9	-6,000	279,344	0,00%	7	-4,500	279,344	0,00%	275,973	279,344	3,371	7	4,500	279,209	-3,00%	9	6,000	279,164	-3,00%	10	7,500	279,089	33	12,018	276,077	3,5	3,0
701+0,000			33	-12,213	275,645	10	-7,500	278,787	9	-6,000	278,862	2,40%	7	-4,500	278,826	2,40%	275,628	278,718	3,090	7	4,500	278,583	-3,00%	9	6,000	278,538	-3,00%	10	7,500	278,463	33	11,629	275,710	3,1	2,8
701+5,000	EC		33	-12,155	275,563	10	-7,500	278,666	9	-6,000	278,741	3,00%	7	-4,500	278,696	3,00%	275,539	278,561	3,022	7	4,500	278,426	-3,00%	9	6,000	278,381	-3,00%	10	7,500	278,306	33	11,557	275,602	3,1	2,7
701+17,500			33	-11,922	275,327	10	-7,500	278,275	9	-6,000	278,350	3,00%	7	-4,500	278,305	3,00%	275,352	278,170	2,818	7	4,500	278,035	-3,00%	9	6,000	277,990	-3,00%	10	7,500	277,915	33	11,308	275,376	2,9	2,5
702+0,000			33	-11,882	275,275	10	-7,500	278,197	9	-6,000	278,272	3,00%	7	-4,500	278,227	3,00%	275,304	278,092	2,787	7	4,500	277,957	-3,00%	9	6,000	277,912	-3,00%	10	7,500	277,837	33	11,257	275,332	2,9	2,5
703+0,000			33	-11,563	274,862	10	-7,500	277,571	9	-6,000	277,646	3,00%	7	-4,500	277,601	3,00%	274,901	277,466	2,565	7	4,500	277,331	-3,00%	9	6,000	277,286	-3,00%	10	7,500	277,211	33	10,943	274,915	2,7	2,3
703+5,073			33	-11,425	274,795	10	-7,500	277,412	9	-6,000	277,487	3,00%	7	-4,500	277,442	3,00%	274,778	277,307	2,529	7	4,500	277,172	-3,00%	9	6,000	277,127	-3,00%	10	7,500	277,052	33	10,875	274,801	2,6	2,3
704+0,000			33	-10,654	274,842	10	-7,500	276,944	9	-6,000	277,019	3,00%	7	-4,500	276,974	3,00%	274,755	276,839	2,084	7	4,500	276,704	-3,00%	9	6,000	276,659	-3,00%	10	7,500	276,584	33	10,363	274,676	2,1	1,9
704+2,645			33	-10,519	274,849	10	-7,500	276,862	9	-6,000	276,937	3,00%	7	-4,500	276,892	3,00%	274,762	276,757	1,994	7	4,500	276,622	-3,00%	9	6,000	276,577	-3,00%	10	7,500	276,502	33	10,228	274,683	2,0	1,8
704+5,000		PCV	33	-10,400	274,854	10	-7,500	276,788	9	-6,000	276,863	3,00%	7	-4,500	276,818	3,00%	274,768	276,683	1,915	7	4,500	276,548	-3,00%	9	6,000	276,503	-3,00%	10	7,500	276,428	33	10,108	274,689	1,9	1,7
705+0,000			33	-9,728	274,883	10	-7,500	276,368	9	-6,000	276,443	3,00%	7	-4,500	276,398	3,00%	274,798	276,263	1,465	7	4,500	276,128	-3,00%	9	6,000	276,083	-3,00%	10	7,500	276,008	33	9,428	274,723	1,5	1,3
705+5,145	CE		33	-9,482	274,926	10	-7,500	276,247	9	-6,000	276,322	3,00%	7	-4,500	276,277	3,00%	274,805	276,142	1,337	7	4,500	276,007	-3,00%	9	6,000	275,962	-3,00%	10	7,500	275,887	33	9,235	274,730	1,3	1,2
706+0,000			33	-8,722	275,090	10	-7,500	275,904	9	-6,000	275,979	2,01%	7	-4,500	275,949	2,01%	274,893	275,859	0,966	7	4,500	275,724	-3,00%	9	6,000	275,679	-3,00%	10	7,500	275,604	33	8,788	274,745	0,8	0,9
706+15,000			33	-8,149	275,225	10	-7,500	275,658	9	-6,000	275,733	1,01%	7	-4,500	275,717	1,01%	275,102	275,672	0,570	7	4,500	275,537	-3,00%	9	6,000	275,492	-3,00%	10	7,500	275,417	33	8,209	274,944	0,4	0,5
707+0,000			33	-8,012	275,256	10	-7,500	275,597	9	-6,000	275,672	0,68%	7	-4,500	275,662	0,68%	275,134	275,632	0,497	7	4,500	275,497	-3,00%	9	6,000	275,452	-3,00%	10	7,500	275,377	33	8,053	275,008	0,3	0,4
707+10,145	ET		33	-7,776	275,326	10	-7,500	275,510	9	-6,000	275,585	0,00%	7	-4,500	275,585	0,00%	275,218	275,585	0,366	7	4,500	275,450	-3,00%	9	6,000	275,405	-3,00%	10	7,500	275,330	33	7,810	275,123	0,2	0,2
707+15,564			33	-7,669	275,372	10	-7,500	275,484	9	-6,000	275,559	-0,31%	7	-4,500	275,564	-0,31%	275,277	275,578	0,301	7	4,500	275,443	-3,00%	9	6,000	275,398	-3,00%	10	7,500	275,323	33	7,710	275,183	0,1	0,1
708+0,000			33	-7,599	275,407	10	-7,500	275,473	9	-6,000	275,548	-0,57%	7	-4,500	275,557	-0,57%	275,322	275,583	0,261	7	4,500	275,448	-3,00%	9	6,000	275,403	-3,00%	10	7,500	275,328	33	7,643	275,232	0,1	0,1
708+9,872			33	-7,814	275,494	10	-7,500	275,180	9	-6,000	275,555	-1,14%	7	-4,500	275,572	-1,14%	275,392	275,624	0,232	7	4,500	275,489	-3,00%	9	6,000	275,444	-3,00%	10	7,500	275,369	33	7,542	275,341	-0,3	0,0
709+0,000			33	-10,207	275,620	10	-9,780	275,193	9	-8,280	275,568	-1,73%	7	-6,630	275,596	-1,73%	275,463	275,711	0,248	7	6,662	275,511	-3,00%	9	8,315	275,461	-3,00%	10	9,815	275,386	33	9,829	275,401	-0,4	0,0
709+5,000		PTV	33	-13,732	275,905	10	-12,991	275,164	9	-11,491	275,539	-2,02%	7	-9,573	275,577	-2,02%	275,729	275,770	0,041	7	9,629	275,482	-3,00%	9	11,552	275,424	-3,00%	10	13,052	275,049	33	13,792	275,789	-0,7	-0,7
709+7,243			33	-15,839	275,832	10	-15,139	275,132	9	-13,639	275,507	-2,15%	7	-11,491	275,553	-2,15%	275,500	275,800	0,300	7	11,562	275,453	-3,00%	9	13,719	275,388	-3,00%	10	15,219	275,013	33	15,984	275,779	-0,7	-0,8

4.1.6.8. Rua Jupiá

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Rua Jupiá

ESTACA	Elementos do Projeto		COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA																	ALTURAS DOS TALUDES	
						Bordo da pista			Faixa de Aceleração ou Desaceleração				Acostamento / Concordância de Pista				Fundo canaleta / Barreira			Talude				
	Planta	Perfil	Terreno Natural	Projeto	Cota vermelha	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
8+12,345			275,516	275,516	0,000	7	3,600	275,446	8	-	-	-	9	5,006	275,446	0,00%	10	6,506	275,371	33	6,696	275,244	-	0,13
9+0,000			275,544	275,544	0,000	7	3,600	275,480	8	4,192	275,480	0,00%	9	5,698	275,480	0,00%	10	7,198	275,405	33	7,294	275,341	-	0,06
10+0,000			275,279	275,679	0,400	7	3,600	275,630	8	5,999	275,630	0,00%	9	7,505	275,630	0,00%	10	9,005	275,555	33	9,008	275,553	-	0,00
10+12,183			275,770	275,770	0,000	7	3,600	275,712	8	7,100	275,712	0,00%	9	8,600	275,712	0,00%	10	10,100	275,337	33	10,466	275,703	-	-0,37
11+0,000		PIV	275,830	275,830	0,000	7	3,600	275,764	8	7,100	275,764	0,00%	9	8,600	275,764	0,00%	10	10,100	275,389	33	10,442	275,732	-	-0,34
11+12,183			275,883	275,883	0,000	7	3,600	275,804	8	7,100	275,804	0,00%	9	8,600	275,804	0,00%	10	10,100	275,729	33	10,155	275,692	-	0,04
12+0,000			275,903	275,903	0,000	7	3,600	275,814	8	8,354	275,814	0,00%	9	9,938	275,814	0,00%	10	11,438	275,739	33	11,495	275,702	-	0,04
12+10,122			275,926	275,926	0,000	7	3,500	275,863	8	-	-	-	9	14,687	275,552	-2,78%	10	-	-	33	14,687	275,252	-	-
13+0,000			275,943	275,985	0,042	7	3,500	275,910	8	-	-	-	9	14,726	275,764	-1,30%	10	3,500	275,617	33	14,725	275,707	-	-
13+1,645			275,918	275,946	0,028	7	3,500	275,918	8	-	-	-	9	14,726	275,799	-1,05%	10	-	-	33	14,726	275,728	-	-
13+13,223			275,987	275,987	0,000	7	3,500	275,969	8	-	-	-	9	14,645	275,454	-4,60%	10	-	-	33	14,645	275,760	-	-
14+0,000			276,017	276,017	0,000	7	3,600	275,998	8	9,740	275,998	0,00%	9	11,431	275,998	0,00%	10	12,931	275,923	33	13,134	275,788	-	0,13
14+11,182			276,069	276,069	0,000	7	3,600	276,041	8	7,100	276,041	0,00%	9	8,600	276,041	0,00%	10	10,100	275,966	33	10,145	275,936	-	0,03
15+0,000			276,112	276,112	0,000	7	3,600	276,079	8	7,100	276,079	0,00%	9	8,600	276,079	0,00%	10	10,100	275,704	33	10,475	276,078	-	-0,37
15+11,182			276,170	276,170	0,000	7	3,600	276,136	8	7,100	276,136	0,00%	9	8,600	276,136	0,00%	10	10,100	275,761	33	10,499	276,160	-	-0,40
16+0,000		PIV	276,219	276,219	0,000	7	3,600	276,191	8	6,311	276,191	0,00%	9	7,817	276,191	0,00%	10	9,317	275,816	33	9,636	276,135	-	-0,32
16+4,872	PI		276,245	276,245	0,000	7	3,600	276,221	8	5,875	276,221	0,00%	9	7,381	276,221	0,00%	10	8,881	276,146	33	8,921	276,119	-	0,03
17+0,000			276,369	276,369	0,000	7	3,600	276,320	8	4,501	276,320	0,00%	9	6,008	276,320	0,00%	10	7,508	276,245	33	7,528	276,231	-	0,01
17+3,118			276,394	276,394	0,000	7	3,600	276,340	8	4,218	276,340	0,00%	9	5,725	276,340	0,00%	10	7,225	276,265	33	7,270	276,235	-	0,03
17+11,028			276,455	276,455	0,000	7	3,600	276,396	8	-	-	-	9	5,100	276,396	0,00%	10	6,600	276,321	33	6,650	276,288	-	0,03

4.1.7.Interseção Est.1325+0,000

4.1.7.1. Ramo 200

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 1325+0,000 - Ramo 200

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA – Talude			Fundo canaleta			Faixa de Segurança / Concordância de Pista				Bordo da pista				COTAS DE EIXO – Terreno Natural	Projeto	Cota vermelha	LADO DIREITO – PLATAFORMA ACABADA – Bordo da pista				Faixa de Aceleração ou Desaceleração				Acostamento / Concordância de Pista				Fundo canaleta			Talude			ALTURAS DOS TALUDES – LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
201+5,841			33	-	-	10	-	-	9	-	-	-	7	-	-	-	280,871	281,171	0,300	7	3,600	281,053	-3,27%	8	-	-	-	9	6,100	280,928	-5,00%	10	7,600	280,853	33	7,960	280,613	-	0,2
202+0,000			33	-	-	10	-	-	9	-	-	-	7	-	-	-	281,058	281,058	0,000	7	3,600	280,876	-5,07%	8	-	-	-	9	6,100	280,751	-5,54%	10	7,600	280,676	33	7,807	280,537	-	0,1
202+5,000	EC		33	-	-	10	-	-	9	-	-	-	7	-	-	-	280,713	281,013	0,300	7	3,600	280,808	-5,70%	8	-	-	-	9	6,100	280,665	-5,70%	10	7,600	280,590	33	7,955	280,354	-	0,2
202+7,258			33	-	-	10	-	-	9	-	-	-	7	-	-	-	280,991	280,991	0,000	7	3,600	280,786	-5,70%	8	-	-	-	9	6,100	280,644	-5,70%	10	7,600	280,569	33	7,940	280,342	-	0,2
202+10,342			33	-	-	10	-	-	9	-	-	-	7	-	-	-	280,959	280,959	0,000	7	3,600	280,754	-5,70%	8	-	-	-	9	6,100	280,612	-5,70%	10	7,600	280,537	33	7,917	280,325	-	0,2
202+13,852			33	- 1,400	280,961	10	-	-	9	-	-	-	7	- 1,400	281,027	5,70%	280,919	280,947	0,028	7	3,600	280,742	-5,70%	8	-	-	-	9	6,100	280,599	-5,70%	10	7,600	280,524	33	7,991	280,264	-	0,3
202+15,684	CE		33	- 2,400	280,968	10	-	-	9	-	-	-	7	- 2,400	281,070	5,70%	280,897	280,933	0,036	7	3,600	280,728	-5,70%	8	-	-	-	9	6,100	280,586	-5,70%	10	7,600	280,511	33	9,035	279,554	-	1,0
203+0,000			33	- 2,400	280,914	10	-	-	9	-	-	-	7	- 2,400	281,027	5,26%	280,838	280,901	0,063	7	3,600	280,712	-5,26%	8	-	-	-	9	6,100	280,572	-5,59%	10	7,600	280,497	33	8,553	279,861	-	0,6
203+3,994			33	- 4,816	280,923	10	- 4,816	280,907	9	-	-	-	7	- 2,400	280,988	4,86%	280,777	280,871	0,094	7	3,600	280,696	-4,86%	8	-	-	-	9	6,100	280,571	-5,00%	10	7,600	280,496	33	8,066	280,186	-	0,3
204+0,000			33	- 9,245	280,819	10	- 3,686	280,508	9	- 2,400	280,830	3,24%	7	- 1,400	280,797	3,24%	280,247	280,752	0,504	7	3,600	280,635	-3,24%	8	-	-	-	9	6,100	280,508	-5,00%	10	7,600	280,133	33	9,048	281,582	-0,4	-1,4
204+2,389			33	- 9,940	280,804	10	- 3,713	280,478	9	- 2,400	280,806	3,00%	7	- 1,400	280,776	3,00%	280,215	280,734	0,519	7	3,600	280,626	-3,00%	8	-	-	-	9	6,100	280,501	-5,00%	10	7,600	280,126	33	9,041	281,567	-72,5	-1,4
205+0,000			33	- 15,321	280,679	10	- 3,754	280,293	9	- 2,400	280,632	1,22%	7	- 1,400	280,620	1,22%	280,978	280,602	-0,376	7	3,600	280,559	-1,22%	8	-	-	-	9	6,100	280,434	-5,00%	10	7,600	280,059	33	8,979	281,438	-0,8	-1,4
205+0,684			33	- 15,532	280,674	10	- 3,756	280,286	9	- 2,400	280,625	1,15%	7	- 1,400	280,613	1,15%	281,021	280,597	-0,423	7	3,600	280,556	-1,15%	8	-	-	-	9	6,100	280,431	-5,00%	10	7,600	280,056	33	8,976	281,432	-0,9	-1,4
205+0,688	EER		33	- 15,532	280,674	10	- 3,757	280,286	9	- 2,400	280,625	1,15%	7	- 1,400	280,613	1,15%	281,021	280,597	-0,424	7	3,600	280,556	-1,15%	8	-	-	-	9	6,100	280,431	-5,00%	10	7,600	280,056	33	8,976	281,432	-0,9	-1,4
205+12,060			33	- 5,033	279,682	10	- 3,900	280,437	9	- 2,400	280,512	0,00%	7	- 1,400	280,512	0,00%	280,916	280,512	-0,404	7	3,600	280,512	0,00%	8	-	-	-	9	6,100	280,387	-5,00%	10	7,600	280,012	33	9,017	281,429	0,8	-1,4
205+16,172			33	- 4,273	280,469	10	- 3,900	280,097	9	- 2,400	280,472	-0,42%	7	- 1,400	280,476	-0,42%	281,001	280,482	-0,519	7	3,600	280,497	0,42%	8	-	-	-	9	6,100	280,372	-5,00%	10	7,600	279,997	33	8,933	281,329	-0,4	-1,3
206+0,000			33	- 2,333	280,956	10	-	-	9	-	-	-	7	- 2,333	280,434	-0,80%	281,087	280,453	-0,634	7	3,600	280,482	0,80%	8	-	-	-	9	6,100	280,357	-5,00%	10	7,600	279,982	33	8,992	281,374	-	-1,4
206+0,023			33	- 2,399	280,953	10	-	-	9	-	-	-	7	- 2,399	280,434	-0,81%	281,088	280,453	-0,635	7	3,600	280,482	0,81%	8	-	-	-	9	6,100	280,357	-5,00%	10	7,600	279,982	33	8,991	281,373	-	-1,4
206+6,178			33	- 10,657	279,658	10	-	-	9	-	-	-	7	- 10,657	280,223	-1,72%	281,225	280,407	-0,818	7	3,600	280,458	1,43%	8	-	-	-	9	7,200	280,510	1,43%	10	8,700	280,135	33	9,922	281,357	-	-1,2
206+7,249			33	- 11,977	280,670	10	-	-	9	-	-	-	7	- 11,977	280,181	-1,82%	281,248	280,399	-0,849	7	3,600	280,454	1,54%	8	3,676	280,455	1,54%	9	6,100	280,493	1,54%	10	7,600	280,118	33	8,796	281,314	-	-1,2
207+0,000			33	- 26,729	280,405	10	- 10,311	279,706	9	- 8,930	280,052	-2,82%	7	- 7,396	280,095	-2,82%	281,348	280,304	-1,045	7	3,600	280,405	2,82%	8	4,534	280,432	2,82%	9	6,100	280,476	2,82%	10	7,600	280,101	33	9,047	281,549	-1,3	-1,4
207+1,732			33	- 27,141	280,394	10	- 9,944	279,690	9	- 8,570	280,034	-3,00%	7	- 7,039	280,080	-3,00%	281,341	280,291	-1,050	7	3,600	280,399	3,00%	8	4,646	280,430	3,00%	9	6,149	280,475	3,00%	10	7,649	280,100	33	9,042	281,493	-1,3	-1,4
207+5,688	EC		33	- 28,087	280,368	10	- 9,201	279,654	9	- 7,818	279,996	-3,40%	7	- 6,294	280,047	-3,40%	281,323	280,261	-1,061	7	3,600	280,384	3,40%	8	4,899	280,428	3,40%	9	6,402	280,479	3,40%	10	7,902	280,104	33	9,152	281,354	-1,3	-1,2
208+0,000			33	- 31,130	280,271	10	- 7,216	279,618	9	- 5,871	279,955	-3,40%	7	- 4,364	280,006	-3,40%	281,106	280,154	-0,952	7	3,600	280,277	3,40%	8	5,826	280,353	3,40%	9	7,329	280,404	3,40%	10	8,829	280,029	33	9,754	280,954	-1,2	-0,9
208+16,356			33	- 33,919	280,155	10	- 6,433	279,526	9	- 5,100	279,859	-3,40%	7	- 3,600	279,910	-3,40%	280,891	280,032	-0,859	7	3,600	280,155	3,40%	8	6,905	280,267	3,40%	9	8,408	280,318	3,40%	10	9,908	279,943	33	10,768	280,803	-1,2	-0,9
209+0,000			33	- 34,526	280,132	10	- 6,430	279,499	9	- 5,100	279,832	-3,40%	7	- 3,600	279,883	-3,40%	280,840	280,005	-0,834	7	3,600	280,128	3,40%	8	7,148	280,128	0,00%	9	8,651	280,128	0,00%	10	10,151	279,753	33	11,140	280,742	-1,2	-1,0
209+0,778			33	- 34,638	280,127	10	- 6,430	279,493	9	- 5,100	279,826	-3,40%	7	- 3,600	279,877	-3,40%	280,893	279,999	-0,894	7	3,600	280,122	3,40%	8	7,200	280,122	0,00%	9	8,700	280,122	0,00%	10	10,200	279,747	33	11,182	280,729	-1,2	-1,0
209+10,715			33	- 35,950	280,070	10	- 6,424	279,421	9	- 5,100	279,752	-3,40%	7	- 3,600	279,803	-3,40%	280,892	279,925	-0,967	7	3,600	280,048	3,40%	8	7,200	280,048	0,00%	9	8,700	280,048	0,00%	10	10,200	279,673	33	11,122	280,594	-1,2	-0,9
210+0,000			33	- 36,964	280,024	10	- 6,420	279,352	9	- 5,100	279,682	-3,40%	7	- 3,600	279,733	-3,40%	280,829	279,856	-0,973	7	3,600	279,978	3,40%	8	8,062	279,956	-0,50%	9	9,588	279,948	-0,50%	10	11,088	279,573	33	11,981	280,467	-1,3	-0,9
210+18,429			33	- 38,385	279,923	10	- 6,414	279,216	9	- 5,100	279,545	-3,40%	7	- 3,600	279,596	-3,40%	280,373	279,718	-0,655	7	3,600	279,841	3,40%	8	-	-	-	9	17,086	279,611	-1,70%	10	-	-	33	17,086	280,081	-1,3	-
211+0,000			33	- 38,470	279,912	10	- 6,414	279,205	9	- 5,100	279,533	-3,40%	7	- 3,600	279,584	-3,40%	280,336	279,707	-0,630	7	3,600	279,829	3,40%	8	-	-	-	9	14,339	279,716	-1,05%	10	-	-	33	14,339	280,081	-1,3	-
211+6,187			33	- 38,680	279,861	10	- 6,411	279,159	9	- 5,100	279,487	-3,40%	7	- 3,600	279,538	-3,40%	280,195	279,660	-0,535	7	6,101	279,868	3,40%	8	-	-	-	9	-	-	-	10	-	-	33	6,101	280,102	-1,3	-
211+9,608			33	- 38,983	279,841	10	- 6,411	279,134	9	- 5,100	279,461	-3,40%	7	- 3,600	279,512	-3,40%	280,140	279,635	-0,505	7	3,600	279,757	3,40%	8	-	-	-	9	6,100	279,667	-3,60%	10	7,600	279,292	33	8,355	280,047	-1,3	-0,8
211+17,578			33	- 38,968	279,645	10	- 6,409	279,075	9	- 5,100	279,402	-3,40%	7	- 3,600	279,453	-3,40%	279,984	279,575	-0,409	7	3,600	279,698	3,40%	8	-	-	-	9	6,100	279,608	-3,60%	10	7,600	279,233	33	8,281	279,914	-1,1	-0,7
212+0,000			33	- 38,991	279,657	10	- 6,409	279,057	9	- 5,100	279,384	-3,40%	7	- 3,600	279,435	-3,40%	279,937	279,557	-0,380	7	3,600	279,680	3,40%	8	-	-	-	9	6,100	279,590	-3,60%	10	7,600	279,215	33	8,251	279,865	-1,1	-0,7
212+5,881			33	- 38,993	279,660	10	- 6,408	279,013	9	- 5,100	279,340	-3,40%	7	- 3,600	279,391	-3,40%	279,865	279,513	-0,352	7	6,100	279,721	3,40%	8	-	-	-	9	-	-	0,00%	10	-	-	33	6,100	279,797	-1,2	-
212+9,586			33	- 38,954	279,642	10	- 6,408	278,985	9	- 5,100	279,312	-3,40%	7	- 3,600	279,363	-3,40%	279,823	279,486	-0,338	7	6,099	279,693	3,40%	8	-	-	-	9	-	-	0,00%	10	-	-	33	6,099	279,740	-1,2	-
212+16,676			33	- 38,793	279,608	10	- 6,407	278,933	9	- 5,100	279,259	-3,40%	7	- 3,600	279,310	-3,40%	279,734	279,433	-0,301	7	3,600	279,555	3,40%	8	-	-	-	9	15,572	279,412	-1,20%	10	-	-	33	15,572	279,502	-1,2	-
213+0,000			33	- 38,679	279,592	10	- 6,407	278,908	9	- 5,100	279,235	-3,40%	7	- 3,600	279,286	-3,40%	279,622	279,408	-0,215	7	3,600	279,530	3,40%	8	13,202	279,434	-1,00%	9	14,954	279,417	-1,00%	10	16,454	279,042	33	16,856	279,444	-1,2	-0,4
213+10,000		PIV	33	- 38,183	279,613	10	- 6,407	278,833	9	- 5,100	279,160	-3,40%	7	- 3,600	279,211	-3,40%	279,280	279,333	0,053	7	3,600	279,456	3,40%	8	9,089	279,412	-0,80%	9	10,646	279,399	-0,80%	10	12,146	279,324	33	12,257	279,251	-1,3	0,1
214+0,000			33	- 37,459	279,528	10	- 6,409	278,774	9	- 5,100	279,102	-3,40%	7	- 3,600	279,153	-3,40%	278,985	279,275	0,290	7	3,600	279,397	3,40%	8	7,333	279,379	-0,50%	9	8,837	279,371	-0,50%	10	10,337	279,296	33	10,986	278,864	-1,3	0,4
214+3,666			33	- 37,136	279,411	10	- 6,420	278,752	9	- 5,100	279,080	-3,40%	7	- 3,600	279,131	-3,40%	278,871	279,254	0,383	7	3,600	279,376	3,40%	8	7,200	279,376	0,00%	9	8,700	279,376	0,00%	10	10,200	279,301	33	11,029	278,748	-1,2	0,6
214+18,575			33	- 35,500	279,380	10	- 6,416	278,665	9	- 5,100	278,994	-3,40%	7	- 3,600	279,045	-3,40%	277,839	279,167	1,328	7	3,600	279,289	3,40%	8	7,200	279,412	3,40%	9	8,700	279,463	3,40%	10	10,200	279,388	33	12,396	277,924	-1,2	1,5
215+0,000			33	- 35,317	279,372	10	- 6,416	278,656	9	- 5,100	278,985	-3,40%	7	- 3,600	279,036	-3,40%	277,748	279,159	1,411	7	3,600	279,281	3,40%	8	7,104	279,400	3,40%	9	8,607	279,451	3,40%	10	10,107	279,376	33	12,513	277,772	-1,2	1,6
216+0,000			33	- 32,224	279,219	10	- 6,429	278,537	9	- 5,100	278,869	-3,40%	7	- 3,600	278,920	-3,40%	276,485	279,042	2,558	7	3,600	279,165	3,40%	8	5,782	279,239	3,40%	9	7,285	279,290	3,40%	10	8,785	279,215	33	13,410	276,132	-1,2	3,1
216+6,480			33	- 31,012	279,159	10	- 6,434	278,497	9	- 5,100	278,831	-3,40%	7	- 3,600	278,882	-3,40%	276,034	279,004	2,970	7	3,600	279,127	3,40%	8	5,367	279,187	3,40%	9	6,870	279,238	3,40%	10	8,370	279,163	33	13,416	275,799	-1,2	3,4
216+6,638			33	- 30,979	279,157	10	- 6,431	278,497	9	- 5,096	278,830	-3,40%	7	- 3,600	278,881	-3,40%	276,023	279,004	2,981	7	3,600	279,129	3,40%	8	5,357	279,186	3,40%	9	6,860	279,237	3,40%	10	8,360	279,162	33	13,416	275,791	-1,2	3,4
216+9,468	CE		33	- 30,417	279,129	10	- 6,467	278,478	9	- 5,130	278,813	-3,40%	7	- 3,629	278,864	-3,40%	275,826	278,987	3,161	7	3,600	279,109	3,40%	8	5,177	279,163	3,40%	9	6,680	279,214	3,40%	10	8,180	279,139	33	13,343	275,697	-0,7	3,4
216+13,559			33	- 29,533	279,105	10	- 6,619	278,470	9	- 5,279	278,805	-3,00%	7	- 3,777	278,850	-3,00%	275,675	278,963	3,288	7	3,600	279,071	3,00%	8	4,919	279,111	3,00%	9	6,422	279,156	3,00%	10	7,922	279,081	33	13,090	275,636	-1,2	3,4
217+0,000			33	- 28,130	279,076	10	- 7,125	278,452	9	- 5,777	278,789	-2,37%	7	- 4,269	278,825	-2,37%	275,588	278,926	3,338	7	3,600	279,011	2,37%	8	4,509	279,033	2,37%	9	6,012	279,068	2,37%	10	7,512	278,993	33	12,693	275,539	-1,2	3,5
217+13,177			33	- 24,901	279,004	10	- 9,293	278,338	9	- 7,881	278,691	-2,00%	7	- 6,346	278,722	-2,00%	275,470	278,849	3,379	7	3,600	278,888	1,08%	8	-	-	-	9	5,104	278,904	1,08%	10	6,604	278,829	33	11,829	275,346	-1,3	3,5
218+0,000			33	- 23,106	278,970	10	- 12,417	278,206	9	- 10,872	278,592	-2,00%	7	- 9,015	278,629	-2,00%	275,461	278,809	3,349	7	3,600	278,824	0,41%	8	-	-	-	9	5,100	278,830	0,41%	10	6,600	278,755	33	11,867	275,244	-1,5	3,5
218+3,403			33	- 12,073	276,382	10	-	-	9	-	-	-	7	- 12,073	278,552	-1,97%	275,457	278,789	3,332	7	3,600	278,792	0,08%	8	-	-	-	9	5,100	278,794	0,08%	10	6,600	278,719	33	11,887	275,194	-	3,5
218+4,243			33	- 11,385	276,163	10	-	-	9	-	-	-	7	- 11,385	278,579	-1,81%	275,456	278,785	3,329	7	3,600	278,785	0,00%	8	-	-	-	9	5,100	278,785	0,00%	10	6,600	278,710	33	11,892	275,182	-	3,5
218+12,654			33	- 3,400	275,950	10	-	-	9	-	-	-	7	- 3,400	278,764	0,82%	275,611	278,736	3,125	7	3,599	278,706	-0,82%	8	-	-	-	9	5,100	278,694	-0,82%	10	6,600	278,619	33	11,827	275,134	-	3,5
218+14,468			33	- 3,400	275,930	10	-	-	9	-	-	-	7	- 3,400	278,759	1,00%	275,590	278,725	3,135	7	3,600	278,689	-1,00%	8	-	-	-	9	5,100	278,674	-1,00%	10	6,600	278,599	33	11,810	275,126	-	3,5
218+14,475	EER		33	- 3,400	275,930	10	-	-	9	-	-	-	7	- 3,400	278,759	1,00%	275,590	278,725	3,135	7	3,600	278,689	-1,00%	8	-	-	-	9	5,100	278,674	-1,00%	10	6,600	278,599	33	11,810	275,126	-	3,5
218+15,651			33	- 5,100	276,086	10	-	-	9	-	-	-	7	- 3,600	278,758	1,12%	275,577	278,718	3,142	7	3,600	278,678	-1,12%	8	-	-	-	9	5,100	278,661	-1,12%	10	6,600	278,586	33	11,799	275,121	-	3,5
219+0,000			33	- 17,585	278,843	10	- 5,078	278,326	9	- 3,399	278,745	1,54%	7	- 2,399	278,730	1,54%	275,445	278,693	3,248	7	3,600	278,637	-1,54%	8	-	-	-	9	5,101	278,614	-1,54%	10	6,601	278,539	33	11,757	275,102	-1,6	3,4
219+14,927			33	- 13,497	278,746	10	- 4,629	278,401	9	- 3,400	278,708	3,00%	7	- 2,400	278,678	3,00%	275,569	278,606	3,037	7	3,600	278,498	-3,00%	8	-	-	-	9	5,100	278,453	-3,00%	10	6,600	278,378	33	11,517	275,100	-0,5	3,3
220+0,000			33	- 12,199	278,704	10	- 4,615	278,392	9	- 3,400	278,695	3,50%	7	- 2,400	278,660	3,50%	275,663	278,576	2,913	7	3,600	278,451	-3,50%	8	-	-	-	9	5,100	278,398	-3,50%	10	6,600	278,323	33	11,460	275,083	-0,4	3,2
220+19,475	EC		33	- 11,210	278,603	10	- 4,783	278,301	9	- 3,400	278,647	5,40%	7	- 2,400	278,593	5,40%	277,210	278,463	1,253	7	3,600	278,269	-5,40%	8	-	-	-	9	5,100	278,188	-5,40%	10	6,600	278,113	33	10,912	275,238	-0,5	2,9
221+0,000			33	- 12,694	278,558	10	- 4,781	278,298	9	- 3,400	278,644	5,40%	7	- 2,400	278,590	5,40%	277,237	278,460	1,223	7	3,600	278,266	-5,40%	8	-	-	-	9	5,100	278,185	-5,40%	10	6,600	278,110	33	10,900	275,243	-0,4	2,9
221+7,240			33	- 10,625	278,529	10	- 4,790	278,266	9	- 3,439	278,604	5,40%	7	- 2,438	278,550	5,40%	277,621	278,418	0,797	7	3,600	278,223	-5,40%	8	-	-	-	9	5,100	278,142	-5,40%	10	6,600	278,067	33	10,705	275,331	-0,4	2,7
221+15,006	CE		33	- 5,189	278,444	10	- 5,115	278,493	9	- 3,615	278,568	5,40%	7	- 2,615	278,514	5,40%	277,896	278,373	0,477	7	3,600	278,178	-5,40%	8	-	-	-	9	5,100	278,097	-5,40%	10	6,600	278,022	33	10,519	275,409	0,0	2,6
222+0,000			33	- 3,739	278,380	10	-	-	9	- 3,739	278,523	4,80%	7	- 2,739	278,475	4,80%	278,015	278,344	0,328	7	3,600	278,171	-4,80%	8	-	-	-	9	5,100	278,099	-4,80%	10	6,600	278,024	33	10,516	275,413	-	2,6
222+15,006			33	- 4,041	278,302	10	-	-	9	- 4,041	278,377	3,00%	7	- 3,040	278,347	3,00%	278,109	278,256	0,147	7	3,600	278,148	-3,00%	8	-	-	-	9	5,100	278,103	-3,00%	10	6,600	278,028	33	10,457	275,457	-	2,6
223+0,000			33	- 4,146	278,272	10	-	-	9	- 4,146	278,351	3,00%	7	- 3,146	278,321	3,00%	278,189	278,227	0,038	7	3,600	278,119	-3,00%	8	-	-	-	9	5,100	278,074	-3,00%	10	6,600	277,999	33	10,366	275,488	-	2,5
223+3,339			33	- 4,227	278,252	10	-	-	9	- 4,227	278,334	3,00%	7	- 3,227	278,304	3,00%	278,227	278,208	-0,020	7	3,600	278,100	-3,00%	8	-	-	-	9	5,100	278,055	-3,00%	10	6,600	277,980	33	10,306	275,509	-	2,5
224+0,000			33	- 5,100	278,195	10	-	-	9	- 5,100	278,264	3,00%	7	- 3,600	278,219	3,00%	278,021	278,111	0,089	7	3,600	278,003	-3,00%	8	-	-	-	9	5,100	277,958	-3,00%	10	6,600	277,883	33	7,846	277,052	-	0,8
224+0,006	ET		33	- 4,600	278,178	10	-	-	9	- 4,600	278,249	3,00%	7	- 3,600	278,219	3,00%	278,021	278,111	0,089	7	3,600	278,003	-3,00%	8	-	-	-	9	5,100	277,958	-3,00%	10	6,600	277,883	33	7,843	277,054	-	0,8
224+10,000			33	- 4,600	278,116	10	-	-	9	- 4,600	278,190	3,00%	7	- 3,600	278,160	3,00%	277,936	278,052	0,117	7	3,600	277,944	-3,00%	8	-	-	-	9	5,100	277,899	-3,00%	10	6,600	277,824	33	6,704	277,755	-	0,1
225+0,000		PIV	33	- 4,600	278,039	10	-	-	9	- 4,600	278,117	3,00%	7	- 3,600	278,087	3,00%	277,876	277,979	0,103	7	3,600	277,871	-3,00%	8	-	-	-	9	5,100	277,826	-3,00%	10	6,600	277,751	33	9,689	275,692	-	2,1
225+5,006			33	- 4,600	277,997	10	-	-	9	- 4,600	278,080	3,00%	7	- 3,600	278,050	3,00%	277,831	277,942	0,111	7	3,600	277,834	-3,00%	8	-	-	-	9	5,100	277,789	-3,00%	10	6,600	277,714	33	9,648	275,682	-	2,0
225+9,442	PF	PFV	33	- 4,600	277,963	10	-	-	9	- 4,600	278,047	3,00%	7	- 3,600	278,017	3,00%	277,829	277,909	0,081	7	3,600	277,801	-3,00%	8	-	-	-	9	5,100	277,756	-3,00%	10	6,600	277,681	33	9,612	275,673	-	2,0

4.1.7.2. Ramo 300

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 1325+0,000 - Ramo 300

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA														COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA														ALTURAS DOS TALUDES	
			Talude			Fundo canaleta / Barreira			Faixa de Segurança / Concordância de Pista				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Faixa de Seguraça				Fundo canaleta / Barreira			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
303+4,317			33	-	-	10	-	-	9	-	-	-	7	-	-	-	278,314	278,314	0,000	7	3,600	278,206	-3,00%	9	4,600	278,176	-3,00%	10	6,100	278,101	33	8,236	276,677	-	1,4
303+8,128			33	-	-	10	-	-	9	-	-	-	7	-	-	-	278,339	278,339	0,000	7	3,600	278,231	-3,00%	9	4,600	278,201	-3,00%	10	6,100	278,126	33	8,259	276,687	-	1,4
303+14,154			33	-	-	10	-	-	9	-	-	-	7	-	-	-	278,378	278,378	0,000	7	3,600	278,251	-3,51%	9	4,600	278,216	-3,51%	10	6,100	278,141	33	8,275	276,691	-	1,5
303+17,602	EC		33	-	-	10	-	-	9	-	-	-	7	-	-	-	278,399	278,399	0,000	7	3,600	278,262	-3,80%	9	4,600	278,224	-3,80%	10	6,100	278,149	33	8,310	276,675	-	1,5
304+0,000			33	-	-	10	-	-	9	-	-	-	7	-	-	-	278,413	278,413	0,000	7	3,600	278,276	-3,80%	9	4,600	278,238	-3,80%	10	6,100	278,163	33	8,370	276,650	-	1,5
304+7,436			33	-	-	10	-	-	9	-	-	-	7	-	-	-	275,456	278,456	3,000	7	3,600	278,319	-3,80%	9	4,600	278,281	-3,80%	10	6,100	278,206	33	8,778	276,421	-	1,8
304+9,434			33	-	-	10	-	-	9	-	-	-	7	-	-	-	37,267	37,267	0,000	7	3,600	37,130	-3,80%	9	4,600	37,092	-3,80%	10	6,100	37,017	33	8,878	35,165	-	1,9
304+17,269	CE		33	-	-	10	-	-	9	-	-	-	7	-	-	-	278,497	278,497	0,000	7	3,600	278,360	-3,80%	9	4,600	278,322	-3,80%	10	6,100	278,247	33	9,055	276,277	-	2,0
305+0,000			33	-	-	10	-	-	9	-	-	-	7	-	-	-	278,505	278,505	0,000	7	3,600	278,376	-3,59%	9	4,600	278,340	-3,59%	10	6,100	278,265	33	9,139	276,239	-	2,0
305+3,645			33	5,273	278,653	10	- 4,900	278,279	9	- 3,400	278,654	3,31%	7	- 2,400	278,621	3,31%	278,514	278,542	0,028	7	3,600	278,423	-3,31%	9	4,600	278,389	-3,31%	10	6,100	278,314	33	9,351	276,147	-0,4	2,2
305+7,704			33	- 5,270	278,662	10	- 4,900	278,292	9	- 3,400	278,667	3,00%	7	- 2,400	278,637	3,00%	278,515	278,565	0,050	7	3,600	278,457	-3,00%	9	4,600	278,427	-3,00%	10	6,100	278,352	33	9,563	276,044	-0,4	2,3
306+0,000			33	- 5,249	278,681	10	- 4,900	278,332	9	- 3,400	278,707	2,06%	7	- 2,400	278,686	2,06%	277,790	278,637	0,847	7	3,600	278,562	-2,06%	9	4,600	278,542	-2,06%	10	6,100	278,467	33	10,195	275,737	-0,3	2,7
306+16,894			33	- 5,042	278,591	10	- 4,900	278,685	9	- 3,400	278,760	0,76%	7	- 2,400	278,753	0,76%	276,596	278,735	2,139	7	3,600	278,707	-0,76%	9	4,600	278,699	-0,76%	10	6,100	278,624	33	10,553	275,656	0,1	3,0
307+0,000			33	- 3,400	277,483	10	-	-	9	-	-	-	7	- 3,400	278,770	0,52%	276,488	278,753	2,265	7	3,600	278,734	-0,52%	9	4,600	278,728	-0,52%	10	6,100	278,653	33	10,622	275,639	-	3,0
307+0,545			33	- 3,400	277,422	10	-	-	9	-	-	-	7	- 3,400	278,772	0,48%	278,456	278,756	0,300	7	3,600	278,738	-0,48%	9	4,600	278,734	-0,48%	10	6,100	278,659	33	10,634	275,636	-	3,0
307+2,269			33	- 5,902	278,557	10	-	-	9	-	-	-	7	- 5,902	278,758	-0,14%	276,409	278,766	2,357	7	3,600	278,753	-0,35%	9	4,600	278,750	-0,35%	10	6,100	278,675	33	10,672	275,627	-	3,0
307+2,271	EER		33	- 5,904	278,558	10	-	-	9	-	-	-	7	- 5,904	278,757	-0,14%	276,409	278,766	2,357	7	3,600	278,753	-0,35%	9	4,600	278,750	-0,35%	10	6,100	278,675	33	10,672	275,627	-	3,0
307+6,835			33	- 11,198	278,853	10	-	-	9	-	-	-	7	- 11,197	278,583	-1,87%	276,334	278,792	2,459	7	3,600	278,792	0,00%	9	4,600	278,792	0,00%	10	6,100	278,717	33	10,788	275,592	-	3,1
307+8,061			33	- 12,614	278,893	10	-	-	9	-	-	-	7	- 12,614	278,536	-2,09%	276,337	278,799	2,463	7	3,600	278,803	0,09%	9	4,600	278,804	0,09%	10	6,100	278,729	33	10,823	275,579	-	3,1
308+0,000			33	- 11,251	278,839	10	- 10,812	278,400	9	- 9,312	278,775	-1,01%	7	- 7,768	278,790	-1,01%	276,369	278,869	2,500	7	3,600	278,905	1,01%	9	4,600	278,915	1,01%	10	6,100	278,840	33	10,498	275,908	-0,4	2,9
309+0,000			33	- 9,431	277,408	10	- 7,404	278,759	9	- 5,904	278,834	-2,54%	7	- 4,396	278,873	-2,54%	276,757	278,985	2,228	7	3,600	279,076	2,54%	9	4,600	279,102	2,54%	10	6,100	279,027	33	9,810	276,553	1,4	2,5
309+5,966			33	- 9,120	277,315	10	- 6,920	278,782	9	- 5,420	278,857	-3,00%	7	- 3,917	278,902	-3,00%	276,908	279,019	2,111	7	3,600	279,127	3,00%	9	4,600	279,157	3,00%	10	6,100	279,082	33	9,333	276,927	1,5	2,2
309+7,271	EC		33	- 8,937	277,391	10	- 6,844	278,786	9	- 5,344	278,861	-3,10%	7	- 3,842	278,908	-3,10%	277,058	279,027	1,968	7	3,600	279,138	3,10%	9	4,600	279,169	3,10%	10	6,100	279,094	33	9,208	277,022	1,4	2,1
309+16,251			33	- 7,879	277,993	10	- 6,600	278,846	9	- 5,100	278,921	-3,10%	7	- 3,600	278,967	-3,10%	277,852	279,079	1,227	7	3,600	279,190	3,10%	9	4,600	279,221	3,10%	10	6,100	279,146	33	8,297	277,682	0,9	1,5
310+0,000			33	- 7,491	278,273	10	- 6,600	278,867	9	- 5,100	278,942	-3,10%	7	- 3,600	278,989	-3,10%	278,136	279,101	0,965	7	3,600	279,212	3,10%	9	4,600	279,243	3,10%	10	6,100	279,168	33	7,917	277,957	0,6	1,2
311+0,000		PIV	33	- 7,109	279,192	10	- 6,600	278,683	9	- 5,100	279,058	-3,10%	7	- 3,600	279,105	-3,10%	279,263	279,217	-0,046	7	3,600	279,328	3,10%	9	4,600	279,359	3,10%	10	6,100	278,984	33	6,661	279,545	-0,5	-0,6
312+0,000			33	- 7,577	279,801	10	- 6,600	278,825	9	- 5,100	279,200	-3,10%	7	- 3,600	279,246	-3,10%	280,028	279,358	-0,670	7	3,600	279,469	3,10%	9	4,600	279,500	3,10%	10	6,100	279,125	33	7,176	280,201	-1,0	-1,1
313+0,000			33	- 8,028	280,394	10	- 6,600	278,966	9	- 5,100	279,341	-3,10%	7	- 3,600	279,387	-3,10%	280,707	279,499	-1,208	7	3,600	279,611	3,10%	9	4,600	279,642	3,10%	10	6,100	279,267	33	7,575	280,741	-1,4	-1,5
313+3,942			33	- 8,106	280,500	10	- 6,600	278,994	9	- 5,100	279,369	-3,10%	7	- 3,600	279,415	-3,10%	280,824	279,527	-1,297	7	3,600	279,639	3,10%	9	4,600	279,670	3,10%	10	6,100	279,295	33	7,658	280,853	-1,5	-1,6
314+0,000			33	- 8,467	280,974	10	- 6,600	279,107	9	- 5,100	279,482	-3,10%	7	- 3,600	279,529	-3,10%	281,084	279,640	-1,444	7	3,600	279,752	3,10%	9	4,600	279,783	3,10%	10	6,100	279,408	33	7,762	281,070	-1,9	-1,7
315+0,000			33	- 8,339	280,988	10	- 6,600	279,249	9	- 5,100	279,624	-3,10%	7	- 3,600	279,670	-3,10%	281,291	279,782	-1,509	7	3,600	279,893	3,10%	9	4,600	279,924	3,10%	10	6,100	279,549	33	7,585	281,034	-1,7	-1,5
316+0,000			33	- 7,760	280,550	10	- 6,600	279,390	9	- 5,100	279,765	-3,10%	7	- 3,600	279,811	-3,10%	281,321	279,923	-1,398	7	3,600	280,034	3,10%	9	4,600	280,065	3,10%	10	6,100	279,690	33	7,450	281,040	-1,2	-1,3
317+0,000			33	- 7,158	280,089	10	- 6,600	279,531	9	- 5,100	279,906	-3,10%	7	- 3,600	279,953	-3,10%	281,608	280,064	-1,544	7	3,600	280,176	3,10%	9	4,600	280,207	3,10%	10	6,100	279,832	33	7,396	281,127	-0,6	-1,3
317+0,613	CE		33	- 7,137	280,073	10	- 6,600	279,535	9	- 5,100	279,910	-3,10%	7	- 3,600	279,957	-3,10%	281,617	280,068	-1,549	7	3,600	280,180	3,10%	9	4,600	280,211	3,10%	10	6,100	279,836	33	7,406	281,141	-0,5	-1,3
317+1,829			33	- 7,091	280,040	10	- 6,600	279,549	9	- 5,100	279,924	-3,00%	7	- 3,600	279,969	-3,00%	281,635	280,077	-1,558	7	3,600	280,185	3,00%	9	4,600	280,215	3,00%	10	6,100	279,840	33	7,429	281,169	-0,5	-1,3
317+6,523			33	- 6,905	279,907	10	- 6,600	279,602	9	- 5,100	279,977	-2,61%	7	- 3,600	280,016	-2,61%	281,706	280,110	-1,596	7	3,600	280,204	2,61%	9	4,600	280,230	2,61%	10	6,100	279,855	33	7,522	281,278	-0,3	-1,4
318+0,000			33	- 8,124	279,530	10	- 7,355	280,042	9	- 5,855	280,117	-1,51%	7	- 4,345	280,140	-1,51%	281,528	280,205	-1,323	7	3,600	280,260	1,51%	9	4,600	280,275	1,51%	10	6,100	279,900	33	7,807	281,606	0,5	-1,7
318+18,318			33	- 12,778	280,389	10	- 12,349	279,960	9	- 10,849	280,335	0,00%	7	- 8,977	280,335	0,00%	280,207	280,335	0,127	7	3,600	280,335	0,00%	9	4,600	280,335	0,00%	10	6,100	279,960	33	7,246	281,105	-0,4	-1,1
319+0,000			33	- 14,417	280,453	10	- 13,936	279,972	9	- 12,436	280,347	0,00%	7	- 10,311	280,347	0,00%	280,063	280,347	0,284	7	3,600	280,342	-0,14%	9	4,600	280,340	-0,14%	10	6,100	279,965	33	7,089	280,954	-0,5	-1,0
319+1,699			33	- 12,104	280,408	10	-	-	9	-	-	-	7	- 12,104	280,185	-1,44%	279,960	280,359	0,399	7	3,600	280,349	-0,28%	9	4,600	280,786	-0,28%	10	6,100	279,971	33	6,940	280,811	-	-0,8
319+5,613			33	- 8,953	280,357	10	-	-	9	-	-	-	7	- 8,953	280,335	-0,57%	279,952	280,386	0,434	7	3,600	280,365	-0,60%	9	4,601	280,359	-0,60%	10	6,101	280,284	33	6,140	280,323	-	0,0
319+5,619	EER		33	- 8,947	280,357	10	-	-	9	-	-	-	7	- 8,947	280,335	-0,57%	279,951	280,386	0,435	7	3,600	280,365	-0,60%	9	4,601	280,359	-0,60%	10	6,101	280,284	33	6,139	280,322	-	0,0
319+11,134			33	- 3,399	279,965	10	-	-	9	-	-	-	7	- 3,399	280,461	1,05%	279,980	280,425	0,445	7	3,600	280,387	-1,05%	9	4,601	280,377	-1,05%	10	6,101	280,302	33	6,508	280,030	-	0,3
319+13,845			33	- 5,100	280,171	10	-	-	9	- 5,100	280,510	1,28%	7	- 3,600	280,490	1,28%	279,825	280,444	0,619	7	3,600	280,398	-1,28%	9	4,601	280,386	-1,28%	10	6,101	280,311	33	6,633	279,956	-	0,4
320+0,000			33	- 4,967	280,429	10	- 4,899	280,474	9	- 3,399	280,549	1,78%	7	- 2,399	280,531	1,78%	279,838	280,488	0,650	7	3,600	280,424	-1,78%	9	4,601	280,406	-1,78%	10	6,101	280,331	33	6,647	279,966	0,0	0,4
320+14,807			33	- 4,923	280,604	10	- 4,899	280,619	9	- 3,399	280,694	3,00%	7	- 2,399	280,664	3,00%	280,311	280,593	0,281	7	3,600	280,485	-3,00%	9	4,601	280,454	-3,00%	10	6,101	280,379	33	6,431	280,159	0,0	0,2
321+0,000			33	- 4,919	280,658	10	- 4,900	280,671	9	- 3,400	280,746	3,43%	7	- 2,400	280,711	3,43%	280,478	280,629	0,151	7	3,600	280,506	-3,43%	9	4,600	280,472	-3,43%	10	6,100	280,397	33	6,448	280,165	0,0	0,2
321+10,619	EC		33	- 5,229	280,805	10	- 4,900	280,475	9	- 3,400	280,850	4,30%	7	- 2,400	280,807	4,30%	280,669	280,704	0,035	7	3,600	280,549	-4,30%	9	4,600	280,506	-4,30%	10	6,100	280,431	33	6,585	280,108	-0,3	0,3
322+0,000			33	- 5,261	280,903	10	- 4,900	280,542	9	- 3,400	280,917	4,30%	7	- 2,400	280,874	4,30%	280,752	280,770	0,018	7	3,600	280,616	-4,30%	9	4,600	280,573	-4,30%	10	6,100	280,498	33	6,763	280,056	-0,4	0,4
322+0,510			33	- 5,263	280,909	10	- 4,900	280,545	9	- 3,400	280,920	4,30%	7	- 2,400	280,877	4,30%	280,757	280,774	0,017	7	3,600	280,619	-4,30%	9	4,600	280,576	-4,30%	10	6,100	280,501	33	6,751	280,067	-0,4	0,4
322+2,442			33	- 5,272	280,931	10	- 4,900	280,559	9	- 3,400	280,934	4,30%	7	- 2,400	280,891	4,30%	280,774	280,788	0,013	7	3,600	280,633	-4,30%	9	4,600	280,590	-4,30%	10	6,100	280,515	33	6,702	280,114	-0,4	0,4
322+10,400	CE		33	- 3,400	280,947	10	-	-	9	-	-	-	7	- 3,400	280,990	4,30%	280,841	280,844	0,003	7	3,600	280,689	-4,30%	9	4,600	280,646	-4,30%	10	6,100	280,571	33	6,526	280,287	-	0,3
322+12,624			33	- 3,399	280,969	10	-	-	9	-	-	-	7	- 3,399	280,999	4,09%	280,858	280,860	0,001	7	3,600	280,712	-4,09%	9	4,600	280,672	-4,09%	10	6,100	280,597	33	6,501	280,329	-	0,3
323+0,000			33	-	-	10	-	-	9	-	-	-	7	-	-	-	280,913	280,913	0,000	7	3,600	280,792	-3,38%	9	4,600	280,758	-3,38%	10	6,100	280,683	33	6,446	280,452	-	0,2
323+4,005			33	-	-	10	-	-	9	-	-	-	7	-	-	-	280,944	280,944	0,000	7	3,600	280,836	-3,00%	9	4,600	280,806	-3,00%	10	6,100	280,731	33	6,431	280,511	-	0,2
323+17,801			33	-	-	10	-	-	9	-	-	-	7	-	-	-	281,043	281,043	0,000	7	3,600	280,935	-3,00%	9	4,600	280,905	-3,00%	10	6,100	280,830	33	6,609	280,491	-	0,3

4.1.7.3. Ramo 400

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS — Dispositivo Est. 1325+0,000 - Ramo 400

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA										COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA											ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Faixa de Segurança				Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota		
401+17,017			33	-10,946	280,470	10	-3,067	279,748	9	-1,500	280,139	-3,00%	280,408	280,184	-0,224	7	10,000	280,484	3,00%	9	11,000	280,514	3,00%	33	11,000	280,100	-1,2	-
401+18,535			33	-9,690	280,480	10	-3,134	279,733	9	-1,500	280,142	-2,96%	280,452	280,186	-0,266	7	10,000	280,482	2,96%	9	11,000	280,511	2,96%	33	11,000	280,380	-1,2	-
402+0,000			33	-7,603	280,492	10	-3,351	279,681	9	-1,500	280,144	-2,91%	280,493	280,188	-0,306	7	10,000	280,479	2,91%	9	11,000	280,508	2,91%	33	11,000	280,458	-1,2	0,0
402+3,688			33	-1,500	280,476	10	-	-	9	-1,500	280,147	-2,81%	280,489	280,189	-0,300	7	10,000	280,470	2,81%	9	11,000	280,498	2,81%	33	11,000	280,577	-0,3	-0,1
402+4,553			33	-1,500	280,447	10	-	-	9	-1,500	280,148	-2,78%	280,457	280,189	-0,268	7	10,000	280,467	2,78%	9	11,000	280,495	2,78%	33	11,000	280,527	-0,3	0,0
402+5,000			33	-1,500	280,432	10	-	-	9	-1,500	280,148	-2,77%	280,440	280,189	-0,251	7	10,000	280,466	2,77%	9	11,000	280,494	2,77%	33	11,000	280,500	-0,3	0,0
402+11,961			33	-18,318	280,391	10	-2,906	279,795	9	-1,500	280,146	-2,56%	280,683	280,185	-0,499	7	10,000	280,441	2,56%	9	11,000	280,467	2,56%	33	11,000	280,056	-1,2	-
402+14,131			33	-17,853	280,394	10	-2,909	279,792	9	-1,500	280,144	-2,50%	280,670	280,181	-0,488	7	10,000	280,431	2,50%	9	11,000	280,456	2,50%	33	11,000	280,907	-1,2	-

4.1.7.4. Ramo 500

NOTA DE SERVIÇO DE TERRAPLENAGEM

Rodovia: BR-158/262-MS	Elementos do Projeto		DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO — Dispositivo Est. 1325+0,000 - Ramo 500 — Taludes: Positivos(+)=Aterro; Negativos(-)=Corte																							ALTURAS DOS TALUDES	
ESTACA			LADO ESQUERDO — PLATAFORMA ACABADA											COTAS DE EIXO			LADO DIREITO — PLATAFORMA ACABADA												
			Talude			Fundo canaleta			Faixa de Segurança				Terreno Natural	Projeto	Cota vermelha	Bordo da pista				Faixa de Segurança				Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota		
501+18,423			33	-22,334	279,038	10	-2,805	278,188	9	-1,500	278,514	-2,50%	276,387	278,552	2,165	7	10,000	278,802	2,50%	9	11,000	278,827	2,50%	33	11,000	276,123	-1,2	-
502+0,000			33	-24,154	279,047	10	-2,794	278,184	9	-1,500	278,508	-2,50%	276,988	278,545	1,557	7	10,000	278,795	2,50%	9	11,000	278,820	2,50%	33	11,000	276,317	-1,2	-
502+5,108			33	-1,500	278,844	10	-	-	9	-1,500	278,493	-2,50%	278,836	278,531	-0,305	7	10,000	278,781	2,50%	9	11,000	278,806	2,50%	33	11,000	278,771	-0,4	0,0
502+9,104			33	-1,500	278,941	10	-	-	9	-1,500	278,490	-2,50%	278,939	278,527	-0,412	7	10,000	278,777	2,50%	9	11,000	278,802	2,50%	33	11,000	278,903	-0,5	-0,1
502+10,000			33	-1,500	278,958	10	-	-	9	-1,500	278,490	-2,50%	278,958	278,527	-0,431	7	10,000	278,777	2,50%	9	11,000	278,802	2,50%	33	11,000	278,865	-0,5	-0,1
502+13,400			33	-8,369	278,991	10	-3,066	278,102	9	-1,500	278,494	-2,50%	278,936	278,531	-0,405	7	10,000	278,781	2,50%	9	11,000	278,806	2,50%	33	12,561	278,690	-1,2	0,1
502+15,512			33	-9,771	278,998	10	-2,993	278,125	9	-1,500	278,499	-2,50%	278,893	278,536	-0,357	7	10,000	278,786	2,50%	9	11,000	278,811	2,50%	33	11,000	277,852	-1,2	-

4.1.7.5. Ramo 600

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 1325+0,000 - Ramo 600

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA														COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA										ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança				Bordo da pista				Terreno Natural	Projeto	Cota vermelha	Faixa de Segurança				Fundo canaleta			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
601+10,371			33	-11,000	280,078	10	-	-	9	-11,000	279,971	3,00%	7	-10,000	279,941	3,00%	280,092	279,641	-0,451	9	1,200	279,605	-3,00%	10	2,700	279,230	33	3,603	280,133	-	-0,9
601+12,818			33	-11,000	280,028	10	-	-	9	-11,000	279,926	3,00%	7	-10,000	279,896	3,00%	280,014	279,596	-0,419	9	1,200	279,560	-2,97%	10	2,700	279,185	33	3,576	280,061	-	-0,9
601+13,599			33	-12,976	280,023	10	-12,500	279,547	9	-11,000	279,922	3,09%	7	-10,000	279,891	3,09%	279,992	279,581	-0,411	9	1,500	279,535	-3,09%	10	3,000	279,160	33	3,883	280,043	-0,5	-0,9
602+0,000			33	-12,878	279,877	10	-12,455	279,454	9	-10,955	279,829	3,28%	7	-9,955	279,796	3,28%	279,850	279,469	-0,381	9	1,500	279,420	-3,28%	10	3,000	279,045	33	3,854	279,899	-0,4	-0,9
602+3,376			33	-12,732	279,798	10	-12,339	279,405	9	-10,839	279,780	3,38%	7	-9,839	279,746	3,38%	279,883	279,414	-0,469	9	1,500	279,363	-3,38%	10	3,000	278,988	33	3,944	279,932	-0,4	-0,9
602+5,000			33	-10,759	279,777	10	-	-	9	-10,759	279,757	3,43%	7	-9,759	279,723	3,43%	279,848	279,388	-0,460	9	1,500	279,337	-3,43%	10	3,000	278,962	33	3,933	279,895	-	-0,9
602+5,103	PCC		33	-10,753	279,774	10	-	-	9	-10,753	279,755	3,43%	7	-9,753	279,721	3,43%	279,845	279,387	-0,458	9	1,500	279,335	-3,43%	10	3,000	278,960	33	3,932	279,893	-	-0,9
602+7,467			33	-10,580	279,708	10	-	-	9	-10,580	279,721	3,50%	7	-9,580	279,686	3,50%	279,770	279,350	-0,420	9	1,500	279,298	-3,50%	10	3,000	278,923	33	3,906	279,829	-	-0,9
602+12,294			33	-10,327	279,531	10	-	-	9	-	-	-	7	-10,327	279,594	3,04%	279,620	279,280	-0,340	9	1,500	279,230	-3,37%	10	3,000	278,855	33	3,813	279,668	-	-0,8
602+15,542			33	-9,556	279,420	10	-	-	9	-	-	-	7	-9,556	279,533	3,10%	279,521	279,236	-0,285	9	1,500	279,187	-3,28%	10	3,000	278,812	33	3,751	279,564	-	-0,8
603+0,000		PTV	33	-8,847	279,274	10	-	-	9	-	-	-	7	-8,847	279,459	3,16%	279,388	279,179	-0,209	9	1,500	279,132	-3,16%	10	3,000	278,757	33	3,678	279,435	-	-0,7
603+5,982			33	-8,505	279,103	10	-	-	9	-	-	-	7	-8,505	279,361	3,00%	279,226	279,106	-0,120	9	1,500	279,061	-3,00%	10	3,000	278,686	33	3,586	279,272	-	-0,6

4.1.7.6. Ramo 700

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Taludes: Positivos(+)=Aterro; Negativos(-)=Corte

Rodovia: BR-158/262-MS

Dispositivo Est. 1325+0,000 - Ramo 700

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA ACABADA														COTAS DE EIXO			LADO DIREITO – PLATAFORMA ACABADA										ALTURAS DOS TALUDES	
			Talude			Fundo canaleta			Faixa de Segurança				Bordo da pista							Faixa de Segurança				Fundo canaleta			Talude				
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Projeto	Cota vermelha	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	LE	LD
700+0,000	PP	PPV	33	-8,505	279,103	10	-	-	9	-	-	-	7	-8,505	279,361	3,00%	279,041	279,106	0,065	9	1,500	279,061	-3,00%	10	3,000	278,686	33	3,329	279,015	-	-0,3
700+3,220	PC		33	-8,505	279,189	10	-	-	9	-	-	-	7	-8,505	279,408	3,08%	279,125	279,145	0,020	9	1,500	279,099	-3,08%	10	3,000	278,724	33	3,377	279,102	-	-0,4
700+5,000		PCV	33	-8,535	279,229	10	-	-	9	-	-	-	7	-8,535	279,434	3,13%	279,159	279,167	0,008	9	1,500	279,120	-3,13%	10	3,000	278,745	33	3,396	279,141	-	-0,4
700+12,635			33	-9,357	279,478	10	-	-	9	-	-	-	7	-9,357	279,564	3,33%	279,294	279,252	-0,042	9	1,500	279,202	-3,33%	10	3,000	278,827	33	3,423	279,250	-	-0,4
700+14,206			33	-9,670	279,534	10	-	-	9	-	-	-	7	-9,670	279,594	3,37%	279,326	279,267	-0,059	9	1,500	279,217	-3,37%	10	3,000	278,842	33	3,429	279,271	-	-0,4
700+19,040			33	-10,183	279,679	10	-	-	9	-10,183	279,667	3,48%	7	-9,183	279,632	3,50%	279,382	279,310	-0,072	9	1,500	279,258	-3,50%	10	3,000	278,883	33	3,429	279,311	-	-0,4
701+0,000			33	-10,294	279,698	10	-	-	9	-10,294	279,676	3,47%	7	-9,294	279,641	3,47%	279,390	279,318	-0,072	9	1,500	279,266	-3,47%	10	3,000	278,891	33	3,428	279,319	-	-0,4
701+2,051	PCC		33	-10,474	279,738	10	-	-	9	-10,474	279,692	3,37%	7	-9,474	279,658	3,42%	279,470	279,334	-0,137	9	1,500	279,283	-3,42%	10	3,000	278,908	33	3,462	279,369	-	-0,5
701+3,235			33	-10,564	279,755	10	-	-	9	-10,564	279,700	3,40%	7	-9,564	279,666	-3,38%	278,477	279,342	0,865	9	1,500	279,291	-3,38%	10	3,000	278,916	33	3,459	279,375	-	-0,5
701+13,168			33	-12,887	279,763	10	-12,488	279,364	9	-10,988	279,739	3,10%	7	-9,988	279,708	-3,11%	279,491	279,398	-0,093	9	1,500	279,351	-3,11%	10	3,000	278,976	33	3,440	279,416	-0,4	-0,4
701+14,499			33	-11,000	279,724	10	-	-	9	-11,000	279,741	3,10%	7	-10,000	279,710	3,07%	279,497	279,403	-0,094	9	1,500	279,357	-3,07%	10	3,000	278,982	33	3,441	279,422	-	-0,4
701+15,000			33	-11,000	279,724	10	-	-	9	-11,000	279,741	3,00%	7	-10,000	279,711	3,06%	279,498	279,405	-0,093	9	1,500	279,359	-3,04%	10	3,000	278,984	33	3,441	279,425	-	-0,4
701+17,178			33	-11,000	279,721	10	-	-	9	-11,000	279,742	2,98%	7	-10,000	279,712	3,00%	279,502	279,412	-0,090	9	1,500	279,367	-3,00%	10	3,000	278,992	33	3,441	279,432	-	-0,4

4.1.7.7. Ramo 800

NOTA DE SERVIÇO DE TERRAPLENAGEM																								
			DISTÂNCIAS DE OFF-SETS DA PLATAFORMA ACABADA APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO																				Taludes: Positivos(+)=Aterro; Negativos(-)=Corte		ALTURAS DOS TALUDES	
Rodovia: BR-158/262-MS			Dispositivo Est. 1325+0,000 - Ramo 800																							
ESTACA	Elementos do Projeto		LADO ESQUERDO								COTAS DE EIXO			LADO DIREITO												
			PLATAFORMA ACABADA											PLATAFORMA ACABADA												
			Talude			Bordo da pista					Terreno Natural	Projeto	Cota vermelha	Acostamento				Fundo canaleta / Barreira			Talude			LE	LD
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.					P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota		
800+0,000	PP	PPV	33	- 8,200	277,954	7	- 8,200	277,954	2,03%		276,416	277,788	1,372	9	1,500	277,743	-3,00%	10	3,000	277,668	33	5,998	275,669	-	2,0
800+2,253	TE		33	- 5,400	277,877	7	- 5,400	277,877	1,66%		276,416	277,788	1,372	9	1,500	277,743	-3,00%	10	3,000	277,668	33	5,998	275,669	-	2,0
801+0,000			33	- 5,400	277,798	7	- 5,400	277,798	-2,15%		276,506	277,681	1,175	9	1,500	277,636	-3,00%	10	3,000	277,561	33	5,720	275,480	-	2,1
801+4,026			33	- 5,400	277,777	7	- 5,400	277,777	2,22%		276,203	277,657	1,454	9	1,500	277,612	-3,00%	10	3,000	277,537	33	8,137	274,113	-	3,4
802+0,000			33	- 3,550	277,654	7	- 3,550	277,654	2,59%		277,321	277,562	0,241	9	1,500	277,517	-3,00%	10	3,000	277,442	33	3,519	277,096	-	0,3
802+7,253	EC		33	- 3,550	277,612	7	- 3,550	277,612	2,64%		277,386	277,519	0,133	9	1,500	277,474	-3,00%	10	3,000	277,399	33	3,682	276,944	-	0,5
803+0,000			33	- 3,520	277,529	7	- 3,520	277,529	3,00%		277,346	277,424	0,078	9	1,108	277,391	-3,00%	10	2,608	277,316	33	3,114	276,978	-	0,3
803+2,899			33	- 3,460	277,512	7	- 3,460	277,512	3,00%		277,328	277,408	0,080	9	1,019	277,377	-3,00%	10	2,519	277,302	33	2,944	277,018	-	0,3
803+11,582			33	- 1,650	277,422	7	- 1,650	277,422	3,00%		277,395	277,372	-0,023	9	0,750	277,350	-3,00%	10	2,250	277,275	33	2,417	277,163	-	0,1
804+0,000			33	- 1,570	277,368	7	- 1,570	277,368	3,00%		277,275	277,321	0,046	9	0,489	277,306	-3,00%	10	1,989	277,231	33	2,259	277,052	-	0,2
804+15,911	PT	PFV	33	- 1,380	277,252	7	- 1,380	277,252	3,00%		277,228	277,210	-0,018	9	-	-	-	10	1,500	277,135	33	1,588	277,077	-	0,1

5. Notas de Serviço da Plataforma de Terraplenagem

5.1.1.BR-158/262-MS

NOTA DE SERVIÇO DE TERRAPLENAGEM																																		
DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO																																		
Rodovia: BR-158/262-MS	Elementos do Projeto		BR-158/262-MS																															
ESTACA			LADO ESQUERDO - PLATAFORMA DE TERRAPLENAGEM															COTAS DE EIXO			LADO DIREITO - PLATAFORMA DE TERRAPLENAGEM														
			Talude			Fim da plataforma				Início do alargamento de corte				Bordo da pista				Terreno Natural	Terraplenagem	Cota vermelha	Bordo da pista				Início do alargamento de corte				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
PISTA EXISTENTE - EST.0+0,000 A EST. 6+0,000																																		
6+0,000			33	- 8,354	336,336	109	- 8,090	336,514	-5,00%	108	-	-	-	107	- 3,600	336,738	-3,00%	337,144	336,846	-0,298	107	3,600	336,738	-3,00%	108	-	-	-	109	8,090	336,514	-5,00%	33	8,312	336,364
6+0,234			33	- 8,362	336,335	109	- 8,090	336,518	-5,00%	108	-	-	-	107	- 3,600	336,743	-3,00%	337,148	336,851	-0,297	107	3,600	336,743	-3,00%	108	-	-	-	109	8,090	336,518	-5,00%	33	8,309	336,370
7+0,000			33	- 8,220	336,788	109	- 8,090	336,877	-5,00%	108	-	-	-	107	- 3,600	337,101	-3,00%	337,526	337,209	-0,316	107	3,600	337,101	-3,00%	108	-	-	-	109	8,090	336,877	-5,00%	33	8,213	336,793
8+0,000			33	- 8,270	337,118	109	- 8,090	337,240	-5,00%	108	-	-	-	107	- 3,600	337,464	-3,00%	337,879	337,572	-0,307	107	3,600	337,464	-3,00%	108	-	-	-	109	8,090	337,240	-5,00%	33	8,190	337,171
8+18,403			33	- 8,164	337,522	109	- 8,090	337,574	-5,00%	108	-	-	-	107	- 3,600	337,798	-3,00%	338,140	337,906	-0,234	107	3,600	337,798	-3,00%	108	-	-	-	109	8,090	337,574	-5,00%	33	8,097	337,567
DISPOSITIVO EST.35+0,000 - EST.8+18,403 A EST. 62+14,486																																		
62+14,486			33	- 29,080	363,246	109	- 27,100	361,267	-5,00%	108	- 6,416	361,887	-3,00%	107	- 3,600	362,028	-3,00%	362,647	362,136	-0,511	107	3,600	362,028	-3,00%	108	6,416	361,887	-3,00%	109	27,500	361,255	-5,00%	33	28,332	362,087
63+0,000			33	- 29,148	363,320	109	- 27,100	361,272	-5,00%	108	- 6,416	361,893	-3,00%	107	- 3,600	362,033	-3,00%	362,706	362,141	-0,565	107	3,600	362,033	-3,00%	108	6,416	361,893	-3,00%	109	27,500	361,260	-5,00%	33	28,384	362,144
63+10,000			33	- 29,148	363,320	109	- 27,100	361,274	-5,00%	108	- 6,416	361,895	-3,00%	107	- 3,600	362,036	-3,00%	362,770	362,144	-0,626	107	3,600	362,036	-3,00%	108	6,416	361,895	-3,00%	109	27,500	361,261	-5,00%	33	28,433	362,195
64+0,000			33	- 29,292	363,458	109	- 27,100	361,266	-5,00%	108	- 6,416	361,887	-3,00%	107	- 3,600	362,028	-3,00%	362,812	362,136	-0,676	107	3,600	362,028	-3,00%	108	6,416	361,887	-3,00%	109	27,500	361,254	-5,00%	33	28,498	362,253
65+0,000			33	- 29,449	363,569	109	- 27,100	361,220	-5,00%	108	- 6,416	361,840	-3,00%	107	- 3,600	361,981	-3,00%	362,940	362,089	-0,851	107	3,600	361,981	-3,00%	108	6,416	361,840	-3,00%	109	27,500	361,208	-5,00%	33	28,641	362,348
66+0,000			33	- 29,582	363,614	109	- 27,100	361,132	-5,00%	108	- 6,416	361,752	-3,00%	107	- 3,600	361,893	-3,00%	363,038	362,001	-1,036	107	3,600	361,893	-3,00%	108	6,416	361,752	-3,00%	109	27,500	361,120	-5,00%	33	28,690	362,309
67+0,000			33	- 29,758	363,661	109	- 27,100	361,003	-5,00%	108	- 6,416	361,624	-3,00%	107	- 3,600	361,764	-3,00%	363,088	361,872	-1,216	107	3,600	361,764	-3,00%	108	6,416	361,624	-3,00%	109	27,500	360,991	-5,00%	33	28,990	362,481
68+0,000			33	- 29,864	363,597	109	- 27,100	360,833	-5,00%	108	- 6,416	361,454	-3,00%	107	- 3,600	361,594	-3,00%	363,065	361,702	-1,363	107	3,600	361,594	-3,00%	108	6,416	361,454	-3,00%	109	27,500	360,821	-5,00%	33	29,096	362,417
69+0,000			33	- 30,130	363,652	109	- 27,100	360,622	-5,00%	108	- 6,416	361,243	-3,00%	107	- 3,600	361,383	-3,00%	362,983	361,491	-1,492	107	3,600	361,383	-3,00%	108	6,416	361,243	-3,00%	109	27,500	360,610	-5,00%	33	29,345	362,455
70+0,000			33	- 30,212	363,482	109	- 27,100	360,370	-5,00%	108	- 6,416	360,991	-3,00%	107	- 3,600	361,131	-3,00%	362,782	361,239	-1,543	107	3,600	361,131	-3,00%	108	6,416	360,991	-3,00%	109	27,500	360,358	-5,00%	33	29,472	362,330
71+0,000			33	- 30,327	363,304	109	- 27,100	360,077	-5,00%	108	- 6,416	360,697	-3,00%	107	- 3,600	360,838	-3,00%	362,813	360,946	-1,867	107	3,600	360,838	-3,00%	108	6,416	360,697	-3,00%	109	27,500	360,065	-5,00%	33	29,560	362,125
72+0,000			33	- 30,250	362,893	109	- 27,100	359,743	-5,00%	108	- 6,416	360,363	-3,00%	107	- 3,600	360,504	-3,00%	362,495	360,612	-1,882	107	3,600	360,504	-3,00%	108	6,416	360,363	-3,00%	109	27,500	359,731	-5,00%	33	29,559	361,789
73+0,000			33	- 30,186	362,454	109	- 27,100	359,368	-5,00%	108	- 6,416	359,988	-3,00%	107	- 3,600	360,129	-3,00%	362,098	360,237	-1,861	107	3,600	360,129	-3,00%	108	6,416	359,988	-3,00%	109	27,500	359,356	-5,00%	33	29,524	361,380
74+0,000			33	- 30,234	362,085	109	- 27,100	358,951	-5,00%	108	- 6,416	359,572	-3,00%	107	- 3,600	359,713	-3,00%	361,534	359,821	-1,713	107	3,600	359,713	-3,00%	108	6,416	359,572	-3,00%	109	27,500	358,939	-5,00%	33	29,510	360,949
75+0,000			33	- 29,978	361,372	109	- 27,100	358,494	-5,00%	108	- 6,416	359,114	-3,00%	107	- 3,600	359,255	-3,00%	361,028	359,363	-1,664	107	3,600	359,255	-3,00%	108	6,416	359,114	-3,00%	109	27,500	358,482	-5,00%	33	29,509	360,491
76+0,000			33	- 29,861	360,757	109	- 27,100	357,995	-5,00%	108	- 6,416	358,616	-3,00%	107	- 3,600	358,757	-3,00%	360,216	358,865	-1,352	107	3,600	358,757	-3,00%	108	6,416	358,616	-3,00%	109	27,500	357,983	-5,00%	33	29,474	359,957
77+0,000		PTV	33	- 29,654	360,010	109	- 27,100	357,456	-5,00%	108	- 6,416	358,077	-3,00%	107	- 3,600	358,217	-3,00%	359,700	358,325	-1,375	107	3,600	358,217	-3,00%	108	6,416	358,077	-3,00%	109	27,500	357,444	-5,00%	33	29,486	359,430
78+0,000			33	- 29,512	359,308	109	- 27,100	356,896	-5,00%	108	- 6,416	357,517	-3,00%	107	- 3,600	357,657	-3,00%	359,090	357,765	-1,324	107	3,600	357,657	-3,00%	108	6,416	357,517	-3,00%	109	27,500	356,884	-5,00%	33	29,198	358,582
79+0,000			33	- 29,213	358,449	109	- 27,100	356,336	-5,00%	108	- 6,416	356,957	-3,00%	107	- 3,600	357,097	-3,00%	358,199	357,205	-0,993	107	3,600	357,097	-3,00%	108	6,416	356,957	-3,00%	109	27,500	356,324	-5,00%	33	28,887	357,711
80+0,000			33	- 29,015	357,691	109	- 27,100	355,776	-5,00%	108	- 6,416	356,397	-3,00%	107	- 3,600	356,537	-3,00%	357,394	356,645	-0,748	107	3,600	356,537	-3,00%	108	6,416	356,397	-3,00%	109	27,500	355,764	-5,00%	33	28,768	357,032
81+0,000			33	- 28,642	356,758	109	- 27,100	355,216	-5,00%	108	- 6,416	355,837	-3,00%	107	- 3,600	355,977	-3,00%	356,497	356,085	-0,412	107	3,600	355,977	-3,00%	108	6,416	355,837	-3,00%	109	27,500	355,204	-5,00%	33	28,543	356,247
82+0,000			33	- 28,282	355,838	109	- 27,100	354,656	-5,00%	108	- 6,416	355,277	-3,00%	107	- 3,600	355,417	-3,00%	355,583	355,525	-0,057	107	3,600	355,417	-3,00%	108	6,416	355,277	-3,00%	109	27,500	354,644	-5,00%	33	28,180	355,324
83+0,000			33	- 7,992	354,696	109	- 8,090	354,633	-5,00%	108	-	-	-	107	- 3,600	354,857	-3,00%	354,625	354,965	0,340	107	3,600	354,857	-3,00%	108	-	-	-	109	8,090	354,633	-5,00%	33	8,226	354,540
84+0,000			33	- 8,265	353,954	109	- 8,090	354,073	-5,00%	108	-	-	-	107	- 3,600	354,297	-3,00%	353,845	354,405	0,560	107	3,600	354,297	-3,00%	108	-	-	-	109	8,090	354,073	-5,00%	33	8,622	353,716
85+0,000			33	- 8,694	353,108	109	- 8,090	353,513	-5,00%	108	-	-	-	107	- 3,600	353,737	-3,00%	353,056	353,845	0,789	107	3,600	353,737	-3,00%	108	-	-	-	109	8,090	353,513	-5,00%	33	9,019	352,892
86+0,000			33	- 9,204	352,208	109	- 8,090	352,953	-5,00%	108	-	-	-	107	- 3,600	353,177	-3,00%	351,901	353,285	1,385	107	3,600	353,177	-3,00%	108	-	-	-	109	8,090	352,953	-5,00%	33	9,759	351,838
87+0,000			33	- 9,876	351,200	109	- 8,090	352,393	-5,00%	108	-	-	-	107	- 3,600	352,617	-3,00%	351,031	352,725	1,694	107	3,600	352,617	-3,00%	108	-	-	-	109	8,090	352,393	-5,00%	33	10,182	350,996
88+0,000			33	- 10,569	350,178	109	- 8,090	351,833	-5,00%	108	-	-	-	107	- 3,600	352,057	-3,00%	350,220	352,165	1,946	107	3,600	352,057	-3,00%	108	-	-	-	109	8,090	351,833	-5,00%	33	10,678	350,105
88+15,000		PCV	33	- 10,917	349,526	109	- 8,090	351,413	-5,00%	108	-	-	-	107	- 3,600	351,637	-3,00%	349,541	351,745	2,205	107	3,600	351,637	-3,00%	108	-	-	-	109	8,090	351,413	-5,00%	33	11,044	349,441
89+0,000			33	- 11,014	349,323	109	- 8,090	351,274	-5,00%	108	-	-	-	107	- 3,600	351,499	-3,00%	349,307	351,607	2,300	107	3,600	351,499	-3,00%	108	-	-	-	109	8,090	351,274	-5,00%	33	11,162	349,224
90+0,000			33	- 11,321	348,592	109	- 8,090	350,749	-5,00%	108	-	-	-	107	- 3,600	350,973	-3,00%	348,648	351,081	2,433	107	3,600	350,973	-3,00%	108	-	-	-	109	8,090	350,749	-5,00%	33	11,417	348,528
91+0,000			33	- 12,008	347,654	109	- 8,090	350,268	-5,00%	108	-	-	-	107	- 3,600	350,492	-3,00%	347,569	350,600	3,031	107	3,600	350,492	-3,00%	108	-	-	-	109	8,090	350,268	-5,00%	33	12,293	347,463
92+0,000			33	- 12,710	346,751	109	- 8,090	349,833	-5,00%	108	-	-	-	107	- 3,600	350,057	-3,00%	346,618	350,165	3,548	107	3,600	350,057	-3,00%	108	-	-	-	109	8,090	349,833	-5,00%	33	13,111	346,484
93+0,000			33	- 13,365	345,925	109	- 8,090	349,444	-5,00%	108	-	-	-	107	- 3,600	349,668	-3,00%	345,814	349,776	3,962	107	3,600	349,668	-3,00%	108	-	-	-	109	8,090	349,444	-5,00%	33	13,768	345,656
93+15,000			33	- 13,496	345,575	109	- 8,090	349,181	-5,00%	108	-	-	-	107	- 3,600	349,406	-3,00%	345,439	349,514	4,075	107	3,600	349,406	-3,00%	108	-	-	-	109	8,090	349,181	-5,00%	33	14,047	345,208
94+0,000			33	- 13,497	345,493	109	- 8,090	349,100	-5,00%	108	-	-	-	107	- 3,600	349,324	-3,00%	345,338	349,432	4,094	107	3,600	349,324	-3,00%	108	-	-	-	109	8,090	349,100	-5,00%	33	14,119	345,078
95+0,000			33	- 14,039	344,833	109	- 8,090	348,801	-5,00%	108	-	-	-	107	- 3,600	349,025	-3,00%	344,656	349,133	4,477	107	3,600	349,025	-3,00%	108	-	-	-	109	8,090	348,801	-5,00%	33	14,534	344,503
96+0,000			33	- 14,069	344,559	109	- 8,090	348,548	-5,00%	108	-	-	-	107	- 3,600	348,772	-3,00%	344,335	348,880	4,546	107	3,600	348,772	-3,00%	108	-	-	-	109	8,090	348,548	-5,00%	33	14,587	344,214
97+0,000			33	- 13,721	344,584	109	- 8,090	348,340	-5,00%	108	-	-	-	107	- 3,600	348,565	-3,00%	344,353	348,673	4,320	107	3,600	348,565	-3,00%	108	-	-	-	109	8,090	348,340	-5,00%	33	14,354	344,162
98+0,000			33	- 13,420	344,623	109	- 8,090	348,178	-5,00%	108	-	-	-	107	- 3,600	348,402	-3,00%	344,369	348,510	4,141	107	3,600	348,402	-3,00%	108	-	-	-	109	8,090	348,178	-5,00%	33	14,015	344,226
98+15,000		PTV	33	- 13,053	344,775	109	- 8,090	348,086	-5,00%	108	-	-	-	107	- 3,600	348,311	-3,00%	344,556	348,419	3,862	107	3,600	348,311	-3,00%	108	-	-	-	109	8,090	348,086	-5,00%	33	13,730	344,324
99+0,000			33	- 12,908	344,845	109	- 8,090	348,060	-5,00%	108	-	-	-	107	- 3,600	348,284	-3,00%	344,639	348,392	3,753	107	3,600	348,284	-3,00%	108	-	-	-	109	8,090	348,060	-5,00%	33	13,602	344,383
100+0,000			33	- 12,661	344,905	109	- 8,090	347,955	-5,00%	108	-	-	-	107	- 3,600	348,179	-3,00%	344,737	348,287	3,550	107	3,600	348,179	-3,00%	108	-	-	-	109	8,090	347,955	-5,00%	33	13,066	344,635
101+0,000			33	- 11,985	345,250	109	- 8,090	347,849	-5,00%	108	-	-	-	107	- 3,600	348,074	-3,00%	345,042	348,182	3,139	107	3,600	348,074	-3,00%	108	-	-	-	109	8,090	347,849	-5,00%	33	12,458	344,935
102+0,000			33	- 11,224	345,652	109	- 8,090	347,744	-5,00%	108	-	-	-	107	- 3,600	347,968	-3,00%	345,346	348,076	2,730	107	3,600	347,968	-3,00%	108	-	-	-	109	8,090	347,744	-5,00%	33	12,052	345,100
103+0,000			33	- 10,859	345,790	109	- 8,090	347,639	-5,00%	108	-	-	-	107	- 3,600	347,863	-3,00%	345,454	347,971	2,517	107	3,600	347,863	-3,00%	108	-	-	-	109	8,090	347,639	-5,00%	33	12,077	344,978
104+0,000			33	- 10,812	345,716	109	- 8,090	347,533	-5,00%	108	-	-	-	107	- 3,600	347,758	-3,00%	345,621	347,866	2,245	107	3,600	347,758	-3,00%	108	-	-	-	109	8,090	347,533	-5,00%	33	11,543	345,229
105+0,000			33	- 10,761	345,645	109	- 8,090	347,428	-5,00%	108	-	-	-	107	- 3,600	347,652	-3,00%	345,417	347,760	2,343	107	3,600	347,652	-3,00%	108	-	-	-	109	8,090	347,428	-5,00%	33	11,512	345,144
106+0,000			33	- 10,934	345,424	109	- 8,090	347,323	-5,00%	108	-	-	-	107	- 3,600	347,547	-3,00%	345,135	347,655	2,520	107	3,600	347,547	-3,00%	108	-	-	-	109	8,090	347,323	-5,00%	33	11,611	344,973
107+0,000			33	- 11,158	345,170	109	- 8,090	347,217	-5,00%	108	-	-	-	107	- 3,600	347,442	-3,00%	344,958	347,550	2,592	107	3,600	347,442	-3,00%	108	-	-	-	109	8,090	347,217	-5,00%	33	11,743	344,779
107+10,000		PCV	33	- 11,177	345,104	109	- 8,090	347,165	-5,00%	108	-	-	-	107	- 3,600	347,389	-3,00%	344,905	347,497	2,592	107	3,600	347,389	-3,00%	108	-	-	-	109	8,090	347,165	-5,00%	33	11,839	344,663
108+0,000			33	- 11,147	345,080	109	- 8,090	347,121	-5,00%	108	-	-	-	107	- 3,600	347,345	-3,00%	344,871	347,453	2,582	107	3,600	347,345	-3,00%	108	-	-	-	109	8,090	347,121	-5,00%	33	11,941	344,551
109+0,000			33	- 10,987	345,152	109	- 8,090	347,085	-5,00%	108	-	-	-	107	- 3,600	347,309	-3,00%	344,984	347,417	2,433	107	3,600	347,309	-3,00%	108	-	-	-	109	8,090	347,085	-5,00%	33	11,567	344,765
109+0,234			33	- 10,985	345,153	109	- 8,090	347,085	-5,00%	108	-	-	-	107	- 3,600	347,309	-3,00%	344,986	347,417	2,432	107	3,600	347,309	-3,00%	108	-	-	-	109	8,090	347,085	-5,00%	33	11,561	344,768
110+0,000			33	- 10,707	345,372	109	- 8,090	347,119	-5,00%	108	-	-	-	107	- 3,600	347,343	-3,00%	345,242	347,451	2,209	107	3,600	347,343	-3,00%	108	-	-	-	109	8,090	347,119	-5,00%	33	11,088	345,118
111+0,000			33	- 10,186	345,823	109	- 8,090	347,223	-5,00%	108	-	-	-	107	- 3,600	347,447	-3,00%	345,569	347,555	1,986	107	3,600	347,447	-3,00%	108	-	-	-	109	8,090	347,223	-5,00%	33	10,781	345,427
112+0,000			33	- 9,860	346,214	109	- 8,090	347,396	-5,00%	108	-	-	-	107	- 3,600	347,620	-3,00%	346,121	347,728	1,607	107	3,600	347,620	-3,00%	108	-	-	-	109	8,090	347,396	-5,00%	33	10,331	345,900
112+10,000			33	- 9,571	346,519	109	- 8,090	347,509	-5,00%	108	-	-	-	107	- 3,600	347,733	-3,00%	346,397	347,841	1,444	107	3,600	347,733	-3,00%	108	-	-	-	109	8,090	347,509	-5,00%	33	10,007	346,229
113+0,000			33	- 9,278	346,845	109	- 8,070	347,518	-5,00%	108	-	-	-	107	- 3,600	347,863	-3,00%	346,656	347,971	1,316	107	3,600	347,863	-3,00%	108	-	-	-	109	8,090	347,639	-5,00%	33	9,561	346,656
114+0,000			33	- 8,612	347,602	109	- 8,090	347,952	-5,00%	108	-	-	-	107	- 3,600	348,176	-3,00%	347,633	348,284	0,652	107	3,600	348,176	-3,00%	108	-	-	-	109	8,090	347,952	-5,00%	33	8,851	347,443

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		BR-158/262-MS																																
ESTACA			LADO ESQUERDO															COTAS DE EIXO			LADO DIREITO														
			PLATAFORMA DE TERRAPLENAGEM																		PLATAFORMA DE TERRAPLENAGEM														
			Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista							Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
115+0,000			33	- 7,984	348,402	109	- 7,930	348,342	-5,00%	108	-	-	-	107	- 3,600	348,559	-3,00%	348,521	348,667	0,146	107	3,600	348,559	-3,00%	108	-	-	-	109	8,090	348,334	-5,00%	33	8,142	348,297
116+0,000			33	- 8,023	349,233	109	- 7,600	348,811	-5,00%	108	-	-	-	107	- 3,600	349,011	-3,00%	349,141	349,119	-0,022	107	3,600	349,011	-3,00%	108	-	-	-	109	7,600	348,811	-5,00%	33	7,922	349,133
117+0,000			33	- 26,643	350,374	109	- 25,100	348,831	-5,00%	108	- 6,416	349,392	-3,00%	107	- 3,600	349,533	-3,00%	350,124	349,641	-0,483	107	3,600	349,533	-3,00%	108	6,416	349,392	-3,00%	109	26,100	348,801	-5,00%	33	26,697	349,399
117+10,000		PTV	33	- 26,792	350,810	109	- 25,100	349,118	-5,00%	108	- 6,416	349,679	-3,00%	107	- 3,600	349,820	-3,00%	350,513	349,928	-0,585	107	3,600	349,820	-3,00%	108	6,416	349,679	-3,00%	109	26,100	349,088	-5,00%	33	26,914	349,903
118+0,000			33	- 26,952	351,266	109	- 25,100	349,414	-5,00%	108	- 6,416	349,975	-3,00%	107	- 3,600	350,115	-3,00%	350,799	350,223	-0,576	107	3,600	350,115	-3,00%	108	6,416	349,975	-3,00%	109	26,100	349,384	-5,00%	33	27,122	350,407
119+0,000			33	- 27,283	352,189	109	- 25,100	350,006	-5,00%	108	- 6,416	350,566	-3,00%	107	- 3,600	350,707	-3,00%	351,488	350,815	-0,673	107	3,600	350,707	-3,00%	108	6,416	350,566	-3,00%	109	26,100	349,976	-5,00%	33	27,397	351,272
120+0,000			33	- 27,491	352,988	109	- 25,100	350,597	-5,00%	108	- 6,416	351,158	-3,00%	107	- 3,600	351,298	-3,00%	352,377	351,406	-0,971	107	3,600	351,298	-3,00%	108	6,416	351,158	-3,00%	109	26,100	350,567	-5,00%	33	27,755	352,222
121+0,000			33	- 27,688	353,776	109	- 25,100	351,189	-5,00%	108	- 6,416	351,749	-3,00%	107	- 3,600	351,890	-3,00%	353,530	351,998	-1,532	107	3,600	351,890	-3,00%	108	6,416	351,749	-3,00%	109	26,100	351,159	-5,00%	33	27,930	352,988
122+0,000			33	- 28,076	354,756	109	- 25,100	351,780	-5,00%	108	- 6,416	352,341	-3,00%	107	- 3,600	352,481	-3,00%	354,413	352,589	-1,824	107	3,600	352,481	-3,00%	108	6,416	352,341	-3,00%	109	26,100	351,750	-5,00%	33	28,425	354,075
123+0,000			33	- 28,476	355,747	109	- 25,100	352,372	-5,00%	108	- 6,416	352,932	-3,00%	107	- 3,600	353,073	-3,00%	355,299	353,181	-2,118	107	3,600	353,073	-3,00%	108	6,416	352,932	-3,00%	109	26,100	352,342	-5,00%	33	28,734	354,976
124+0,000			33	- 28,991	356,854	109	- 25,100	352,963	-5,00%	108	- 6,416	353,524	-3,00%	107	- 3,600	353,664	-3,00%	356,206	353,772	-2,433	107	3,600	353,664	-3,00%	108	6,416	353,524	-3,00%	109	26,100	352,933	-5,00%	33	29,043	355,876
125+0,000			33	- 29,391	357,845	109	- 25,100	353,555	-5,00%	108	- 6,416	354,115	-3,00%	107	- 3,600	354,256	-3,00%	357,207	354,364	-2,843	107	3,600	354,256	-3,00%	108	6,416	354,115	-3,00%	109	26,100	353,525	-5,00%	33	29,342	356,767
126+0,000			33	- 29,348	358,394	109	- 25,100	354,146	-5,00%	108	- 6,416	354,707	-3,00%	107	- 3,600	354,847	-3,00%	357,916	354,955	-2,961	107	3,600	354,847	-3,00%	108	6,416	354,707	-3,00%	109	26,100	354,116	-5,00%	33	29,378	357,394
127+0,000		PCV	33	- 29,629	359,267	109	- 25,100	354,737	-5,00%	108	- 6,416	355,298	-3,00%	107	- 3,600	355,439	-3,00%	358,741	355,547	-3,194	107	3,600	355,439	-3,00%	108	6,416	355,298	-3,00%	109	26,100	354,708	-5,00%	33	29,568	358,175
128+0,000			33	- 29,805	360,016	109	- 25,100	355,311	-5,00%	108	- 6,416	355,872	-3,00%	107	- 3,600	356,013	-3,00%	359,427	356,121	-3,306	107	3,600	356,013	-3,00%	108	6,416	355,872	-3,00%	109	26,100	355,281	-5,00%	33	29,874	359,055
129+0,000			33	- 29,890	360,640	109	- 25,100	355,850	-5,00%	108	- 6,416	356,411	-3,00%	107	- 3,600	356,552	-3,00%	360,035	356,660	-3,376	107	3,600	356,552	-3,00%	108	6,416	356,411	-3,00%	109	26,100	355,820	-5,00%	33	29,844	359,564
130+0,000			33	- 29,824	361,078	109	- 25,100	356,354	-5,00%	108	- 6,416	356,915	-3,00%	107	- 3,600	357,055	-3,00%	360,561	357,163	-3,398	107	3,600	357,055	-3,00%	108	6,416	356,915	-3,00%	109	26,100	356,324	-5,00%	33	29,675	359,899
131+0,000			33	- 29,731	361,454	109	- 25,100	356,823	-5,00%	108	- 6,416	357,383	-3,00%	107	- 3,600	357,524	-3,00%	360,872	357,632	-3,240	107	3,600	357,524	-3,00%	108	6,416	357,383	-3,00%	109	26,100	356,793	-5,00%	33	29,482	360,175
132+0,000			33	- 29,546	361,702	109	- 25,100	357,256	-5,00%	108	- 6,416	357,817	-3,00%	107	- 3,600	357,958	-3,00%	361,118	358,066	-3,052	107	3,600	357,958	-3,00%	108	6,416	357,817	-3,00%	109	26,100	357,226	-5,00%	33	29,348	360,474
133+0,000			33	- 29,402	361,957	109	- 25,100	357,655	-5,00%	108	- 6,416	358,215	-3,00%	107	- 3,600	358,356	-3,00%	361,115	358,464	-2,651	107	3,600	358,356	-3,00%	108	6,416	358,215	-3,00%	109	26,100	357,625	-5,00%	33	28,875	360,400
134+0,000			33	- 29,077	361,995	109	- 25,100	358,018	-5,00%	108	- 6,416	358,579	-3,00%	107	- 3,600	358,719	-3,00%	361,223	358,827	-2,396	107	3,600	358,719	-3,00%	108	6,416	358,579	-3,00%	109	26,100	357,988	-5,00%	33	28,598	360,486
134+10,000			33	- 28,894	361,981	109	- 25,100	358,187	-5,00%	108	- 6,416	358,747	-3,00%	107	- 3,600	358,888	-3,00%	361,247	358,996	-2,251	107	3,600	358,888	-3,00%	108	6,416	358,747	-3,00%	109	26,100	358,157	-5,00%	33	28,472	360,529
135+0,000			33	- 28,848	362,094	109	- 25,100	358,346	-5,00%	108	- 6,416	358,907	-3,00%	107	- 3,600	359,048	-3,00%	361,235	359,156	-2,079	107	3,600	359,048	-3,00%	108	6,416	358,907	-3,00%	109	26,100	358,316	-5,00%	33	28,331	360,547
136+0,000			33	- 28,486	362,025	109	- 25,100	358,640	-5,00%	108	- 6,416	359,200	-3,00%	107	- 3,600	359,341	-3,00%	361,121	359,449	-1,672	107	3,600	359,341	-3,00%	108	6,416	359,200	-3,00%	109	26,100	358,610	-5,00%	33	27,968	360,478
137+0,000			33	- 28,208	362,006	109	- 25,100	358,898	-5,00%	108	- 6,416	359,458	-3,00%	107	- 3,600	359,599	-3,00%	361,270	359,707	-1,562	107	3,600	359,599	-3,00%	108	6,416	359,458	-3,00%	109	26,100	358,868	-5,00%	33	27,633	360,401
138+0,000			33	- 27,875	361,896	109	- 25,100	359,121	-5,00%	108	- 6,416	359,681	-3,00%	107	- 3,600	359,822	-3,00%	361,082	359,930	-1,152	107	3,600	359,822	-3,00%	108	6,416	359,681	-3,00%	109	26,100	359,091	-5,00%	33	27,314	360,305
139+0,000			33	- 27,589	361,798	109	- 25,100	359,309	-5,00%	108	- 6,416	359,869	-3,00%	107	- 3,600	360,010	-3,00%	361,002	360,118	-0,883	107	3,600	360,010	-3,00%	108	6,416	359,869	-3,00%	109	26,100	359,279	-5,00%	33	27,150	360,329
140+0,000			33	- 27,267	361,629	109	- 25,100	359,462	-5,00%	108	- 6,416	360,022	-3,00%	107	- 3,600	360,163	-3,00%	360,918	360,271	-0,647	107	3,600	360,163	-3,00%	108	6,416	360,022	-3,00%	109	26,100	359,432	-5,00%	33	26,791	360,123
141+0,000			33	- 27,009	361,488	109	- 25,100	359,579	-5,00%	108	- 6,416	360,140	-3,00%	107	- 3,600	360,281	-3,00%	360,821	360,389	-0,433	107	3,600	360,281	-3,00%	108	6,416	360,140	-3,00%	109	26,100	359,549	-5,00%	33	26,566	360,015
142+0,000		PTV	33	- 8,410	360,973	109	- 7,600	360,163	-5,00%	108	-	-	-	107	- 3,600	360,363	-3,00%	360,731	360,471	-0,260	107	3,600	360,363	-3,00%	108	-	-	-	109	7,630	360,227	-5,00%	33	7,917	360,480
143+0,000			33	- 8,211	360,840	109	- 7,600	360,228	-5,00%	108	-	-	-	107	- 3,600	360,428	-3,00%	360,582	360,536	-0,045	107	3,600	360,428	-3,00%	108	-	-	-	109	8,090	360,204	-5,00%	33	7,801	360,395
144+0,000			33	- 7,727	360,721	109	- 8,090	360,269	-5,00%	108	-	-	-	107	- 3,600	360,493	-3,00%	360,459	360,601	0,142	107	3,600	360,493	-3,00%	108	-	-	-	109	8,090	360,269	-5,00%	33	8,188	360,202
145+0,000			33	- 7,685	360,602	109	- 7,450	360,366	-5,00%	108	-	-	-	107	- 3,600	360,559	-3,00%	360,403	360,667	0,264	107	3,600	360,559	-3,00%	108	-	-	-	109	8,090	360,334	-5,00%	33	8,406	360,121
146+0,000			33	- 8,394	360,194	109	- 8,090	360,399	-5,00%	108	-	-	-	107	- 3,600	360,624	-3,00%	360,214	360,732	0,517	107	3,600	360,624	-3,00%	108	-	-	-	109	8,090	360,399	-5,00%	33	8,930	359,837
147+0,000			33	- 8,367	360,278	109	- 8,090	360,464	-5,00%	108	-	-	-	107	- 3,600	360,689	-3,00%	360,058	360,797	0,739	107	3,600	360,689	-3,00%	108	-	-	-	109	8,090	360,464	-5,00%	33	9,031	359,834
148+0,000			33	- 8,476	360,270	109	- 8,090	360,530	-5,00%	108	-	-	-	107	- 3,600	360,754	-3,00%	360,151	360,862	0,710	107	3,600	360,754	-3,00%	108	-	-	-	109	8,090	360,530	-5,00%	33	9,136	359,830
149+0,000			33	- 8,708	360,180	109	- 8,090	360,595	-5,00%	108	-	-	-	107	- 3,600	360,819	-3,00%	359,907	360,927	1,020	107	3,600	360,819	-3,00%	108	-	-	-	109	8,090	360,595	-5,00%	33	9,518	359,640
150+0,000			33	- 8,951	360,083	109	- 8,090	360,660	-5,00%	108	-	-	-	107	- 3,600	360,884	-3,00%	359,847	360,992	1,145	107	3,600	360,884	-3,00%	108	-	-	-	109	8,090	360,660	-5,00%	33	9,728	359,565
151+0,000			33	- 9,138	360,024	109	- 8,090	360,725	-5,00%	108	-	-	-	107	- 3,600	360,949	-3,00%	359,790	361,057	1,267	107	3,600	360,949	-3,00%	108	-	-	-	109	8,090	360,725	-5,00%	33	9,917	359,505
152+0,000			33	- 9,302	359,980	109	- 8,090	360,790	-5,00%	108	-	-	-	107	- 3,600	361,014	-3,00%	359,735	361,122	1,388	107	3,600	361,014	-3,00%	108	-	-	-	109	8,090	360,790	-5,00%	33	10,000	359,514
153+0,000			33	- 9,394	359,983	109	- 8,090	360,855	-5,00%	108	-	-	-	107	- 3,600	361,079	-3,00%	359,649	361,187	1,539	107	3,600	361,079	-3,00%	108	-	-	-	109	8,090	360,855	-5,00%	33	10,071	359,532
153+10,000			33	- 9,475	359,962	109	- 8,090	360,888	-5,00%	108	-	-	-	107	- 3,600	361,112	-3,00%	359,620	361,220	1,600	107	3,600	361,112	-3,00%	108	-	-	-	109	8,090	360,888	-5,00%	33	10,252	359,444
154+0,000			33	- 9,555	359,941	109	- 8,090	360,920	-5,00%	108	-	-	-	107	- 3,600	361,144	-3,00%	359,608	361,252	1,645	107	3,600	361,144	-3,00%	108	-	-	-	109	8,090	360,920	-5,00%	33	10,559	359,272
155+0,000			33	- 9,759	359,870	109	- 8,090	360,985	-5,00%	108	-	-	-	107	- 3,600	361,210	-3,00%	359,547	361,318	1,771	107	3,600	361,210	-3,00%	108	-	-	-	109	8,090	360,985	-5,00%	33	10,670	359,263
156+0,000			33	- 9,974	359,792	109	- 8,090	361,050	-5,00%	108	-	-	-	107	- 3,600	361,275	-3,00%	359,502	361,383	1,880	107	3,600	361,275	-3,00%	108	-	-	-	109	8,090	361,050	-5,00%	33	11,057	359,070
157+0,000			33	- 10,113	359,765	109	- 8,090	361,115	-5,00%	108	-	-	-	107	- 3,600	361,340	-3,00%	359,503	361,448	1,945	107	3,600	361,340	-3,00%	108	-	-	-	109	8,090	361,115	-5,00%	33	11,190	359,047
157+5,000		PCV	33	- 10,147	359,758	109	- 8,090	361,132	-5,00%	108	-	-	-	107	- 3,600	361,356	-3,00%	359,505	361,464	1,959	107	3,600	361,356	-3,00%	108	-	-	-	109	8,090	361,132	-5,00%	33	11,196	359,059
157+10,000			33	- 10,190	359,745	109	- 8,090	361,147	-5,00%	108	-	-	-	107	- 3,600	361,372	-3,00%	359,482	361,480	1,997	107	3,600	361,372	-3,00%	108	-	-	-	109	8,090	361,147	-5,00%	33	11,187	359,080
158+0,000			33	- 10,273	359,718	109	- 8,090	361,176	-5,00%	108	-	-	-	107	- 3,600	361,400	-3,00%	359,437	361,508	2,071	107	3,600	361,400	-3,00%	108	-	-	-	109	8,090	361,176	-5,00%	33	11,165	359,124
159+0,000			33	- 10,379	359,692	109	- 8,090	361,220	-5,00%	108	-	-	-	107	- 3,600	361,444	-3,00%	359,424	361,552	2,128	107	3,600	361,444	-3,00%	108	-	-	-	109	8,090	361,220	-5,00%	33	11,313	359,069
160+0,000			33	- 10,407	359,700	109	- 8,090	361,247	-5,00%	108	-	-	-	107	- 3,600	361,472	-3,00%	359,466	361,580	2,113	107	3,600	361,472	-3,00%	108	-	-	-	109	8,090	361,247	-5,00%	33	11,280	359,119
161+0,000			33	- 10,513	359,640	109	- 8,090	361,258	-5,00%	108	-	-	-	107	- 3,600	361,482	-3,00%	359,515	361,590	2,075	107	3,600	361,482	-3,00%	108	-	-	-	109	8,090	361,258	-5,00%	33	11,227	359,164
161+2,800			33	- 10,534	359,627	109	- 8,090	361,258	-5,00%	108	-	-	-	107	- 3,600	361,482	-3,00%	359,522	361,590	2,068	107	3,600	361,482	-3,00%	108	-	-	-	109	8,090	361,258	-5,00%	33	11,236	359,159
161+10,000			33	- 10,542	359,620	109	- 8,090	361,257	-5,00%	108	-	-	-	107	- 3,600	361,481	-3,00%	359,493	361,589	2,096	107	3,600	361,481	-3,00%	108	-	-	-	109	8,090	361,257	-5,00%	33	11,265	359,138
162+0,000			33	- 10,513	359,634	109	- 8,090	361,252	-5,00%	108	-	-	-	107	- 3,600	361,476	-3,00%	359,426	361,584	2,158	107	3,600	361,476	-3,00%	108	-	-	-	109	8,090	361,252	-5,00%	33	11,265	359,132
163+0,000			33	- 10,404	359,684	109	- 8,090	361,229	-5,00%	108	-	-	-	107	- 3,600	361,453	-3,00%	359,434	361,561	2,127	107	3,600	361,453	-3,00%	108	-	-	-	109	8,090	361,229	-5,00%	33	11,129	359,201
164+0,000			33	- 10,103	359,845	109	- 8,090	361,189	-5,00%	108	-	-	-	107	- 3,600	361,413	-3,00%	359,368	361,521	2,153	107	3,600	361,413	-3,00%	108	-	-	-	109	8,090	361,189	-5,00%	33	11,091	359,186
165+0,000			33	- 10,135	359,767	109	- 8,090	361,133	-5,00%	108	-	-	-	107	- 3,600	361,357	-3,00%	359,329	361,465	2,136	107	3,600	361,357	-3,00%	108	-	-	-	109	8,090	361,133	-5,00%	33	11,108	359,118
166+0,000			33	- 10,300	359,583	109	- 8,090	361,059	-5,00%	108	-	-	-	107	- 3,600	361,284	-3,00%	359,360	361,392	2,031	107	3,600	361,284	-3,00%	108	-	-	-	109	8,090	361,059	-5,00%	33	10,968	359,138
167+0,000			33	- 10,124	359,611	109	- 8,090	360,969	-5,00%	108	-	-	-	107	- 3,600	361,194	-3,00%	359,238	361,302	2,064	107	3,600	361,194	-3,00%	108	-	-	-	109	8,090	360,969	-5,00%	33	10,847	359,129
168+0,000			33	- 10,643	359,158	109	- 8,090	360,862	-5,00%	108	-	-	-	107	- 3,600	361,087	-3,00%	359,382	361,195	1,813	107	3,600	361,087	-3,00%	108	-	-	-	109	8,090	360,862	-5,00%	33	11,275	358,737
169+0,000			33	- 11,055	358,760	109	- 8,090	360,739	-5,00%	108	-	-	-	107	- 3,600	360,963	-3,00%	359,136	361,071	1,936	107	3,600	360,963	-3,00%	108	-	-	-	109	8,090	360,739	-5,00%	33	10,780	358,943
170+0,000			33	- 9,966	359,345	109	- 8,090	360,598	-5,00%	108	-	-	-	107	- 3,600	360,823	-3,00%	359,184	360,931	1,747	107	3,600	360,823	-3,00%	108	-	-	-	109	8,090	360,598	-5,00%	33	10,525	358,973
171+0,000			33	- 9,899	359,233	109	- 8,090	360,441	-5,00%	108	-	-	-	107	- 3,600	360,666	-3,00%	359,102	360,774	1,672	107	3,600	360,666	-3,00%	108	-	-	-	109	8,090	360,441	-5,00%	33	10,450	358,866
172+0,000			33	- 9,756	359,155	109	- 8,090	360,267	-5,00%	108	-	-	-	107	- 3,600	360,492	-3,00%	359,035	360,600	1,565	107	3,600	360,492	-3,00%	108	-	-	-	109	8,090	360,267	-5,00%	33	10,398	358,727
172+15,000		PTV	33	- 9,726	359,033	109	- 8,090	360,126	-5,00%	108	-	-	-	107	- 3,600	360,350	-3,00%	358,739	360,458	1,719	107	3,600	360,350	-3,00%	108	-	-	-	109	8,090	360,126	-5,00%	33	10,311	358,643
173+0,000			33	- 9,749	358,969	109	- 8,090	360,077	-5,00%	108	-	-	-	107	- 3,600	360,302	-3,00%	358,604	360,410	1,805	107	3,600	360,302	-3,00%	108	-	-	-	109	8,090	360,077	-5,00%	33	10,340	358,575
174+0,000			33	- 9,469	358,961	109	- 8,090	359,882	-5,00%	108	-	-	-	107	- 3,600	360,107	-3,00%	358,714	360,215	1,500	107	3,600	360,107	-3,00%	108	-	-	-	109	8,090	359,882	-5,00%	33	10,162	358,499
175+0,000			33	- 9,427	358,794	109	- 8,090	359,687	-5,00%	108	-	-	-	107	- 3,600	359,912	-3,00%	358,600	360,020	1,420	107	3,600	359,912	-3,00%	108	-	-	-	109	8,090	359,687	-5,00%	33	9,987	358,420
176+0,000			33	- 9,321	358,669	109	- 8,090	359,493	-5,00%	108	-	-	-	107	- 3,600	359,717	-3,00%	358,524	359,825	1,301	107	3,600	359,717	-3,00%	108	-	-	-	109	8,090	359,493	-5,00%	33	9,837	358,326
177+0,000			33	- 9,223	358,540	109	- 8,090	359,298	-5,00%	108	-	-	-	107	- 3,600	359,522	-3,00%	358,310	359,630	1,320	107	3,600	359,522	-3,00%	108	-	-	-	109	8,090	359,298	-5,00%	33	9,858	358,116

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM																COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM																
			Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista							Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude			
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
178+0,000			33	9,001	358,493	109	8,090	359,103	-5,00%	108	-	-	-	107	3,600	359,327	-3,00%	358,165	359,435	1,271	107	3,600	359,327	-3,00%	108	-	-	-	109	8,090	359,103	-5,00%	33	9,790	357,967
179+0,000			33	9,258	358,127	109	8,090	358,908	-5,00%	108	-	-	-	107	3,600	359,132	-3,00%	357,969	359,240	1,271	107	3,600	359,132	-3,00%	108	-	-	-	109	8,090	358,908	-5,00%	33	9,656	357,862
180+0,000			33	9,243	357,942	109	8,090	358,713	-5,00%	108	-	-	-	107	3,600	358,937	-3,00%	357,748	359,045	1,298	107	3,600	358,937	-3,00%	108	-	-	-	109	8,090	358,713	-5,00%	33	9,664	357,662
180+5,000		PCV	33	9,277	357,870	109	8,090	358,664	-5,00%	108	-	-	-	107	3,600	358,889	-3,00%	357,696	358,997	1,300	107	3,600	358,889	-3,00%	108	-	-	-	109	8,090	358,664	-5,00%	33	9,639	357,629
181+0,000			33	9,440	357,623	109	8,090	358,525	-5,00%	108	-	-	-	107	3,600	358,749	-3,00%	357,641	358,857	1,217	107	3,600	358,749	-3,00%	108	-	-	-	109	8,090	358,525	-5,00%	33	9,627	357,498
182+0,000			33	9,381	357,496	109	8,090	358,360	-5,00%	108	-	-	-	107	3,600	358,584	-3,00%	357,391	358,692	1,301	107	3,600	358,584	-3,00%	108	-	-	-	109	8,090	358,360	-5,00%	33	9,819	357,204
182+5,000			33	9,371	357,466	109	8,090	358,322	-5,00%	108	-	-	-	107	3,600	358,546	-3,00%	357,321	358,654	1,333	107	3,600	358,546	-3,00%	108	-	-	-	109	8,090	358,322	-5,00%	33	9,854	357,144
183+0,000			33	9,390	357,350	109	8,090	358,218	-5,00%	108	-	-	-	107	3,600	358,443	-3,00%	357,233	358,551	1,318	107	3,600	358,443	-3,00%	108	-	-	-	109	8,090	358,218	-5,00%	33	9,917	356,998
184+0,000			33	9,429	357,206	109	8,090	358,101	-5,00%	108	-	-	-	107	3,600	358,325	-3,00%	356,996	358,433	1,437	107	3,600	358,325	-3,00%	108	-	-	-	109	8,090	358,101	-5,00%	33	10,076	356,774
184+5,000		PTV	33	9,426	357,182	109	8,090	358,075	-5,00%	108	-	-	-	107	3,600	358,299	-3,00%	356,929	358,407	1,478	107	3,600	358,299	-3,00%	108	-	-	-	109	8,090	358,075	-5,00%	33	10,120	356,719
185+0,000			33	9,643	356,963	109	8,090	358,000	-5,00%	108	-	-	-	107	3,600	358,224	-3,00%	356,781	358,332	1,551	107	3,600	358,224	-3,00%	108	-	-	-	109	8,090	358,000	-5,00%	33	10,230	356,571
186+0,000			33	9,760	356,785	109	8,090	357,900	-5,00%	108	-	-	-	107	3,600	358,125	-3,00%	356,520	358,233	1,713	107	3,600	358,125	-3,00%	108	-	-	-	109	8,090	357,900	-5,00%	33	10,482	356,303
187+0,000			33	10,017	356,513	109	8,090	357,801	-5,00%	108	-	-	-	107	3,600	358,025	-3,00%	356,256	358,133	1,877	107	3,600	358,025	-3,00%	108	-	-	-	109	8,090	357,801	-5,00%	33	10,723	356,043
188+0,000			33	10,369	356,179	109	8,090	357,701	-5,00%	108	-	-	-	107	3,600	357,925	-3,00%	356,150	358,033	1,883	107	3,600	357,925	-3,00%	108	-	-	-	109	8,090	357,701	-5,00%	33	10,775	355,908
189+0,000			33	10,487	356,000	109	8,090	357,601	-5,00%	108	-	-	-	107	3,600	357,825	-3,00%	355,895	357,933	2,038	107	3,600	357,825	-3,00%	108	-	-	-	109	8,090	357,601	-5,00%	33	10,946	355,695
190+0,000			33	10,557	355,854	109	8,090	357,501	-5,00%	108	-	-	-	107	3,600	357,725	-3,00%	355,653	357,833	2,180	107	3,600	357,725	-3,00%	108	-	-	-	109	8,090	357,501	-5,00%	33	11,197	355,427
191+0,000			33	10,719	355,646	109	8,090	357,401	-5,00%	108	-	-	-	107	3,600	357,626	-3,00%	355,419	357,734	2,315	107	3,600	357,626	-3,00%	108	-	-	-	109	8,090	357,401	-5,00%	33	11,405	355,189
192+0,000			33	11,034	355,337	109	8,090	357,301	-5,00%	108	-	-	-	107	3,600	357,526	-3,00%	355,210	357,634	2,424	107	3,600	357,526	-3,00%	108	-	-	-	109	8,090	357,301	-5,00%	33	11,559	354,986
193+0,000			33	11,151	355,158	109	8,090	357,202	-5,00%	108	-	-	-	107	3,600	357,426	-3,00%	354,964	357,534	2,570	107	3,600	357,426	-3,00%	108	-	-	-	109	8,090	357,202	-5,00%	33	11,955	354,623
194+0,000			33	11,311	354,952	109	8,090	357,102	-5,00%	108	-	-	-	107	3,600	357,326	-3,00%	354,755	357,434	2,679	107	3,600	357,326	-3,00%	108	-	-	-	109	8,090	357,102	-5,00%	33	12,076	354,442
195+0,000			33	11,356	354,823	109	8,090	357,002	-5,00%	108	-	-	-	107	3,600	357,226	-3,00%	354,553	357,334	2,781	107	3,600	357,226	-3,00%	108	-	-	-	109	8,090	357,002	-5,00%	33	12,196	354,262
196+0,000			33	11,554	354,591	109	8,090	356,902	-5,00%	108	-	-	-	107	3,600	357,126	-3,00%	354,333	357,234	2,901	107	3,600	357,126	-3,00%	108	-	-	-	109	8,090	356,902	-5,00%	33	12,365	354,050
197+0,000			33	11,770	354,346	109	8,090	356,802	-5,00%	108	-	-	-	107	3,600	357,027	-3,00%	354,127	357,135	3,008	107	3,600	357,027	-3,00%	108	-	-	-	109	8,090	356,802	-5,00%	33	12,486	353,870
198+0,000			33	11,859	354,187	109	8,090	356,703	-5,00%	108	-	-	-	107	3,600	356,927	-3,00%	353,962	357,035	3,073	107	3,600	356,927	-3,00%	108	-	-	-	109	8,090	356,703	-5,00%	33	12,620	353,680
199+0,000			33	11,900	354,060	109	8,090	356,603	-5,00%	108	-	-	-	107	3,600	356,827	-3,00%	353,737	356,935	3,198	107	3,600	356,827	-3,00%	108	-	-	-	109	8,090	356,603	-5,00%	33	12,897	353,396
199+10,000		PCV	33	12,017	353,932	109	8,090	356,553	-5,00%	108	-	-	-	107	3,600	356,777	-3,00%	353,670	356,885	3,215	107	3,600	356,777	-3,00%	108	-	-	-	109	8,090	356,553	-5,00%	33	13,002	353,276
200+0,000			33	12,189	353,771	109	8,090	356,506	-5,00%	108	-	-	-	107	3,600	356,730	-3,00%	353,511	356,838	3,328	107	3,600	356,730	-3,00%	108	-	-	-	109	8,090	356,506	-5,00%	33	13,033	353,209
201+0,000			33	12,562	353,448	109	8,090	356,431	-5,00%	108	-	-	-	107	3,600	356,655	-3,00%	353,316	356,763	3,448	107	3,600	356,655	-3,00%	108	-	-	-	109	8,090	356,431	-5,00%	33	13,146	353,058
202+0,000			33	12,638	353,346	109	8,090	356,381	-5,00%	108	-	-	-	107	3,600	356,605	-3,00%	353,113	356,713	3,600	107	3,600	356,605	-3,00%	108	-	-	-	109	8,090	356,381	-5,00%	33	13,428	352,820
203+0,000			33	12,858	353,174	109	8,090	356,355	-5,00%	108	-	-	-	107	3,600	356,579	-3,00%	352,952	356,687	3,735	107	3,600	356,579	-3,00%	108	-	-	-	109	8,090	356,355	-5,00%	33	13,739	352,586
203+10,613			33	13,000	353,076	109	8,090	356,352	-5,00%	108	-	-	-	107	3,600	356,576	-3,00%	352,880	356,684	3,804	107	3,600	356,576	-3,00%	108	-	-	-	109	8,090	356,352	-5,00%	33	13,937	352,451
204+0,000			33	13,092	353,017	109	8,090	356,354	-5,00%	108	-	-	-	107	3,600	356,579	-3,00%	352,818	356,687	3,868	107	3,600	356,579	-3,00%	108	-	-	-	109	8,090	356,354	-5,00%	33	14,074	352,363
205+0,000			33	13,448	352,804	109	8,090	356,378	-5,00%	108	-	-	-	107	3,600	356,603	-3,00%	352,448	356,711	4,263	107	3,600	356,603	-3,00%	108	-	-	-	109	8,090	356,378	-5,00%	33	14,305	352,232
206+0,000			33	13,700	352,685	109	8,090	356,427	-5,00%	108	-	-	-	107	3,600	356,651	-3,00%	352,295	356,759	4,464	107	3,600	356,651	-3,00%	108	-	-	-	109	8,090	356,427	-5,00%	33	14,647	352,054
206+10,000		PTV	33	13,876	352,601	109	8,090	356,461	-5,00%	108	-	-	-	107	3,600	356,685	-3,00%	352,247	356,793	4,546	107	3,600	356,685	-3,00%	108	-	-	-	109	8,090	356,461	-5,00%	33	14,817	351,974
207+0,000			33	14,079	352,503	109	8,090	356,498	-5,00%	108	-	-	-	107	3,600	356,722	-3,00%	352,186	356,830	4,643	107	3,600	356,722	-3,00%	108	-	-	-	109	8,090	356,498	-5,00%	33	15,045	351,859
208+0,000			33	14,531	352,274	109	8,090	356,571	-5,00%	108	-	-	-	107	3,600	356,795	-3,00%	352,039	356,903	4,865	107	3,600	356,795	-3,00%	108	-	-	-	109	8,090	356,571	-5,00%	33	15,458	351,657
208+5,000		PCV	33	14,645	352,217	109	8,090	356,589	-5,00%	108	-	-	-	107	3,600	356,814	-3,00%	351,998	356,922	4,924	107	3,600	356,814	-3,00%	108	-	-	-	109	8,090	356,589	-5,00%	33	15,557	351,609
209+0,000			33	14,924	352,075	109	8,090	356,634	-5,00%	108	-	-	-	107	3,600	356,858	-3,00%	351,784	356,966	5,182	107	3,600	356,858	-3,00%	108	-	-	-	109	8,090	356,634	-5,00%	33	15,938	351,400
210+0,000			33	15,152	351,949	109	8,090	356,659	-5,00%	108	-	-	-	107	3,600	356,883	-3,00%	351,611	356,991	5,380	107	3,600	356,883	-3,00%	108	-	-	-	109	8,090	356,659	-5,00%	33	16,282	351,195
210+3,136			33	15,180	351,930	109	8,090	356,660	-5,00%	108	-	-	-	107	3,600	356,884	-3,00%	351,589	356,992	5,403	107	3,600	356,884	-3,00%	108	-	-	-	109	8,090	356,660	-5,00%	33	16,324	351,168
210+10,000			33	15,243	351,886	109	8,090	356,657	-5,00%	108	-	-	-	107	3,600	356,882	-3,00%	351,544	356,990	5,446	107	3,600	356,882	-3,00%	108	-	-	-	109	8,090	356,657	-5,00%	33	16,411	351,108
211+0,000			33	15,326	351,819	109	8,090	356,646	-5,00%	108	-	-	-	107	3,600	356,870	-3,00%	351,478	356,978	5,500	107	3,600	356,870	-3,00%	108	-	-	-	109	8,090	356,646	-5,00%	33	16,524	351,021
212+0,000			33	15,626	351,568	109	8,090	356,594	-5,00%	108	-	-	-	107	3,600	356,818	-3,00%	351,380	356,926	5,546	107	3,600	356,818	-3,00%	108	-	-	-	109	8,090	356,594	-5,00%	33	16,768	350,806
212+15,000		PTV	33	15,814	351,379	109	8,090	356,530	-5,00%	108	-	-	-	107	3,600	356,754	-3,00%	351,110	356,862	5,752	107	3,600	356,754	-3,00%	108	-	-	-	109	8,090	356,530	-5,00%	33	16,938	350,629
213+0,000			33	15,872	351,314	109	8,090	356,505	-5,00%	108	-	-	-	107	3,600	356,729	-3,00%	350,990	356,837	5,848	107	3,600	356,729	-3,00%	108	-	-	-	109	8,090	356,505	-5,00%	33	16,989	350,570
214+0,000			33	16,021	351,116	109	8,090	356,405	-5,00%	108	-	-	-	107	3,600	356,629	-3,00%	350,716	356,737	6,022	107	3,600	356,629	-3,00%	108	-	-	-	109	8,090	356,405	-5,00%	33	17,162	350,355
215+0,000			33	16,216	350,886	109	8,090	356,305	-5,00%	108	-	-	-	107	3,600	356,529	-3,00%	350,508	356,637	6,130	107	3,600	356,529	-3,00%	108	-	-	-	109	8,090	356,305	-5,00%	33	17,296	350,165
216+0,000			33	16,385	350,672	109	8,090	356,205	-5,00%	108	-	-	-	107	3,600	356,429	-3,00%	350,247	356,537	6,291	107	3,600	356,429	-3,00%	108	-	-	-	109	8,090	356,205	-5,00%	33	17,558	349,891
217+0,000			33	16,691	350,369	109	8,090	356,105	-5,00%	108	-	-	-	107	3,600	356,329	-3,00%	349,922	356,437	6,515	107	3,600	356,329	-3,00%	108	-	-	-	109	8,090	356,105	-5,00%	33	17,949	349,530
218+0,000			33	16,911	350,122	109	8,090	356,005	-5,00%	108	-	-	-	107	3,600	356,229	-3,00%	349,675	356,337	6,662	107	3,600	356,229	-3,00%	108	-	-	-	109	8,090	356,005	-5,00%	33	18,170	349,283
219+0,000			33	17,120	349,883	109	8,090	355,905	-5,00%	108	-	-	-	107	3,600	356,129	-3,00%	349,426	356,237	6,812	107	3,600	356,129	-3,00%	108	-	-	-	109	8,090	355,905	-5,00%	33	18,321	349,082
219+17,548			OAE - EST.219+17,548 a EST.221+7,782																																				
220+0,000																																							
220+17,134																																							
221+0,000																																							
221+7,782																																							
222+0,000			33	17,378	349,411	109	8,090	355,605	-5,00%	108	-	-	-	107	3,600	355,829	-3,00%	349,219	355,937	6,719	107	3,600	355,829	-3,00%	108	-	-	-	109	8,090	355,605	-5,00%	33	18,192	348,868
223+0,000			33	16,980	349,576	109	8,090	355,505	-5,00%	108	-	-	-	107	3,600	355,729	-3,00%	349,319	355,837	6,518	107	3,600	355,729	-3,00%	108	-	-	-	109	8,090	355,505	-5,00%	33	17,811	349,022
224+0,000			33	16,658	349,691	109	8,090	355,405	-5,00%	108	-	-	-	107	3,600	355,629	-3,00%	349,333	355,737	6,404	107	3,600	355,629	-3,00%	108	-	-	-	109	8,090	355,405	-5,00%	33	17,430	349,176
224+18,005			33	16,369	349,793	109	8,090	355,315	-5,00%	108	-	-	-	107	3,600	355,539	-3,00%	349,532	355,647	6,115	107	3,600	355,539	-3,00%	108	-	-	-	109	8,090	355,315	-5,00%	33	17,016	349,362
225+0,000			33	16,311	349,822	109	8,090	355,305	-5,00%	108	-	-	-	107	3,600	355,529	-3,00%	349,562	355,637	6,075	107	3,600	355,531	-2,95%	108	-	-	-	109	8,090	355,307	-5,00%	33	16,971	349,384
226+0,000			33	15,675	350,146	109	8,090	355,205	-5,00%	108	-	-	-	107	3,600	355,429	-3,00%	350,029	355,537	5,508	107	3,600	355,447	-2,50%	108	-	-	-	109	8,090	355,223	-5,00%	33	16,114	349,871
226+5,000		PCV	33	15,452	350,270	109	8,090	355,180	-5,00%	108	-	-	-	107	3,600	355,404	-3,00%	350,159	355,512	5,353	107	3,600	355,426	-2,38%	108	-	-	-	109	8,090	355,202	-5,00%	33	15,892	349,998
227+0,000			33	14,802	350,641	109	8,090	355,118	-5,00%	108	-	-	-	107	3,600	355,342	-3,00%	350,560	355,450	4,890	107	3,600	355,377	-2,04%	108	-	-	-	109	8,090	355,153	-5,00%	33	15,228	350,391
228+0,000			33	14,002	351,133	109	8,090	355,076	-5,00%	108	-	-	-	107	3,600	355,301	-3,00%	351,017	355,409	4,391	107	3,600	355,352	-1,58%	108	-	-	-	109	8,090	355,127	-5,00%	33	14,400	350,918
228+7,933			33	13,701	351,329	109	8,090	355,073	-5,00%	108	-	-	-	107	3,600	355,297	-3,00%	351,208	355,405	4,196	107	3,600	355,354	-1,40%	108	-	-	-	109	8,090	355,130	-5,00%	33	14,059	351,148
229+0,000			33	13,185	351,682	109	8,090	355,081	-5,00%	108	-	-	-	107	3,600	355,305	-3,00%	351,545	355,413	3,869	107	3,600	355,373	-1,13%	108	-	-	-	109	8,090	355,148	-5,00%	33	13,574	351,490
230+0,000			33	12,459	352,217	109	8,090	355,132	-5,00%	108	-	-	-	107	3,600	355,357	-3,00%	352,155	355,465	3,309	107	3,600	355,441	-0,67%	108	-	-	-	109	8,090	355,216	-5,00%	33	12,892	352,013
230+10,000			33	12,138	352,475	109	8,090	355,176	-5,00%	108	-	-	-	107	3,600	355,400	-3,00%	352,419	355,508	3,089	107	3,600	355,492	-0,44%	108	-	-	-	109	8,090	355,268	-5,00%	33	12,588	352,266
231+0,000			33	11,812	352,747	109	8,090	355,230	-5,00%	108	-	-	-	107	3,600	355,455	-3,00%	352,635	355,563	2,927	107	3,600	355,555	-0,21%	108	-	-	-	109	8,090	355,331	-5,00%	33	12,344	352,492

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM																COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM															
			Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista				Terreno Natural	Terraplenagem	Cota vermelha	Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
231+9,255	TE		33	- 11,553	352,980	109	- 8,090	355,291	-5,00%	108	-	-	-	107	- 3,600	355,516	-3,00%	352,858	355,624	2,766	107	3,600	355,624	0,00%	108	-	-	-	109	8,090	355,399	-5,00%	33	12,099	352,724
232+0,000			33	- 11,292	353,238	109	- 8,090	355,375	-5,00%	108	-	-	-	107	- 3,600	355,599	-3,00%	353,143	355,707	2,564	107	3,600	355,716	0,25%	108	-	-	-	109	8,090	355,492	-5,00%	33	11,810	353,009
233+0,000			33	- 10,810	353,750	109	- 8,090	355,566	-5,00%	108	-	-	-	107	- 3,600	355,790	-3,00%	353,616	355,898	2,282	107	3,600	355,924	0,70%	108	-	-	-	109	8,090	355,699	-5,00%	33	11,432	353,469
234+0,000			33	- 10,646	354,097	109	- 8,090	355,804	-5,00%	108	-	-	-	107	- 3,600	356,028	-3,00%	354,043	356,136	2,093	107	3,600	356,178	1,16%	108	-	-	-	109	8,090	355,953	-5,00%	33	11,127	353,926
234+15,000		PTV	33	- 10,446	354,440	109	- 8,090	356,013	-5,00%	108	-	-	-	107	- 3,600	356,237	-3,00%	354,343	356,345	2,002	107	3,600	356,399	1,50%	108	-	-	-	109	8,090	356,175	-5,00%	33	10,904	354,296
235+0,000			33	- 10,375	354,561	109	- 8,090	356,087	-5,00%	108	-	-	-	107	- 3,600	356,311	-3,00%	354,442	356,419	1,977	107	3,600	356,477	1,62%	108	-	-	-	109	8,090	356,253	-5,00%	33	10,830	354,424
235+14,103			33	- 10,169	354,907	109	- 8,090	356,295	-5,00%	108	-	-	-	107	- 3,600	356,520	-3,00%	354,745	356,628	1,883	107	3,600	356,697	1,94%	108	-	-	-	109	8,090	356,473	-5,00%	33	10,733	354,709
236+0,000			33	- 10,080	355,053	109	- 8,090	356,382	-5,00%	108	-	-	-	107	- 3,600	356,607	-3,00%	354,875	356,715	1,840	107	3,600	356,789	2,07%	108	-	-	-	109	8,080	356,571	-4,87%	33	10,716	354,816
237+0,000			33	- 9,899	355,470	109	- 8,090	356,678	-5,00%	108	-	-	-	107	- 3,600	356,903	-3,00%	355,306	357,011	1,704	107	3,600	357,102	2,53%	108	-	-	-	109	8,070	356,903	-4,44%	33	10,628	355,197
238+0,000			33	- 9,817	355,821	109	- 8,090	356,974	-5,00%	108	-	-	-	107	- 3,600	357,199	-3,00%	355,729	357,307	1,578	107	3,600	357,414	2,99%	108	-	-	-	109	8,060	357,236	-4,01%	33	10,554	355,569
238+0,505			33	- 9,816	355,829	109	- 8,090	356,982	-5,00%	108	-	-	-	107	- 3,600	357,206	-3,00%	355,740	357,314	1,574	107	3,600	357,422	3,00%	108	-	-	-	109	8,050	357,244	-4,00%	33	10,553	355,579
238+9,255	EC		33	- 9,784	355,972	109	- 8,090	357,104	-5,00%	108	-	-	-	107	- 3,600	357,328	-3,20%	355,886	357,444	1,557	107	3,600	357,559	3,20%	108	-	-	-	109	8,050	357,390	-3,80%	33	10,481	355,768
239+0,000			33	- 9,809	356,115	109	- 8,090	357,263	-5,00%	108	-	-	-	107	- 3,600	357,487	-3,20%	356,028	357,603	1,575	107	3,600	357,718	3,20%	108	-	-	-	109	8,050	357,549	-3,80%	33	10,376	355,997
240+0,000			33	- 9,696	356,486	109	- 8,090	357,559	-5,00%	108	-	-	-	107	- 3,600	357,783	-3,20%	356,367	357,899	1,532	107	3,600	358,014	3,20%	108	-	-	-	109	8,050	357,845	-3,80%	33	10,350	356,310
241+0,000			33	- 9,550	356,879	109	- 8,090	357,855	-5,00%	108	-	-	-	107	- 3,600	358,079	-3,20%	356,736	358,194	1,459	107	3,600	358,310	3,20%	108	-	-	-	109	8,050	358,141	-3,80%	33	10,321	356,626
242+0,000			33	- 9,491	357,215	109	- 8,090	358,151	-5,00%	108	-	-	-	107	- 3,600	358,375	-3,20%	357,151	358,490	1,340	107	3,600	358,606	3,20%	108	-	-	-	109	8,050	358,437	-3,80%	33	10,244	356,973
243+0,000			33	- 9,442	357,543	109	- 8,090	358,447	-5,00%	108	-	-	-	107	- 3,600	358,671	-3,20%	357,466	358,786	1,320	107	3,600	358,902	3,20%	108	-	-	-	109	8,050	358,732	-3,80%	33	10,095	357,368
244+0,000			33	- 9,376	357,883	109	- 8,090	358,743	-5,00%	108	-	-	-	107	- 3,600	358,967	-3,20%	357,813	359,082	1,269	107	3,600	359,197	3,20%	108	-	-	-	109	8,050	359,028	-3,80%	33	10,036	357,704
244+12,507			33	- 9,291	358,125	109	- 8,090	358,928	-5,00%	108	-	-	-	107	- 3,600	359,152	-3,20%	358,038	359,267	1,230	107	3,600	359,383	3,20%	108	-	-	-	109	8,050	359,213	-3,80%	33	9,953	357,944
245+0,000			33	- 9,222	358,282	109	- 8,090	359,039	-5,00%	108	-	-	-	107	- 3,600	359,263	-3,20%	358,170	359,378	1,209	107	3,600	359,493	3,20%	108	-	-	-	109	8,050	359,324	-3,80%	33	9,877	358,105
246+0,000			33	- 9,121	358,645	109	- 8,090	359,335	-5,00%	108	-	-	-	107	- 3,600	359,559	-3,20%	358,643	359,674	1,031	107	3,600	359,789	3,20%	108	-	-	-	109	8,050	359,620	-3,80%	33	9,638	358,561
247+0,000			33	- 8,917	359,077	109	- 8,090	359,631	-5,00%	108	-	-	-	107	- 3,600	359,855	-3,20%	359,020	359,970	0,950	107	3,600	360,085	3,20%	108	-	-	-	109	8,050	359,916	-3,80%	33	9,481	358,961
248+0,000			33	- 8,802	359,450	109	- 8,090	359,926	-5,00%	108	-	-	-	107	- 3,600	360,151	-3,20%	359,418	360,266	0,848	107	3,600	360,381	3,20%	108	-	-	-	109	8,050	360,212	-3,80%	33	9,334	359,355
249+0,000			33	- 8,665	359,836	109	- 8,090	360,222	-5,00%	108	-	-	-	107	- 3,600	360,447	-3,20%	359,769	360,562	0,793	107	3,600	360,677	3,20%	108	-	-	-	109	8,050	360,508	-3,80%	33	9,301	359,673
249+5,000		PCV	33	- 8,633	359,932	109	- 8,090	360,296	-5,00%	108	-	-	-	107	- 3,600	360,521	-3,20%	359,855	360,636	0,781	107	3,600	360,751	3,20%	108	-	-	-	109	8,050	360,582	-3,80%	33	9,290	359,754
250+0,000			33	- 8,518	360,243	109	- 8,090	360,530	-5,00%	108	-	-	-	107	- 3,600	360,754	-3,20%	360,183	360,870	0,686	107	3,600	360,985	3,20%	108	-	-	-	109	8,050	360,816	-3,80%	33	9,181	360,061
250+15,759	CE		33	- 8,487	360,534	109	- 8,090	360,801	-5,00%	108	-	-	-	107	- 3,600	361,026	-3,20%	360,480	361,141	0,661	107	3,600	361,256	3,20%	108	-	-	-	109	8,050	361,087	-3,80%	33	9,124	360,370
251+0,000			33	- 8,494	360,610	109	- 8,090	360,882	-5,00%	108	-	-	-	107	- 3,600	361,107	-3,10%	360,555	361,218	0,664	107	3,600	361,330	3,10%	108	-	-	-	109	8,050	361,156	-3,90%	33	9,110	360,451
251+5,000			33	- 8,505	360,700	109	- 8,090	360,980	-5,00%	108	-	-	-	107	- 3,600	361,204	-3,00%	360,643	361,312	0,669	107	3,600	361,420	2,99%	108	-	-	-	109	8,060	361,241	-4,01%	33	9,093	360,549
251+4,509			33	- 8,504	360,692	109	- 8,090	360,970	-5,00%	108	-	-	-	107	- 3,600	361,195	-3,00%	360,634	361,303	0,669	107	3,600	361,411	3,00%	108	-	-	-	109	8,050	361,232	-4,00%	33	9,098	360,537
252+0,000			33	- 8,453	361,032	109	- 8,090	361,277	-5,00%	108	-	-	-	107	- 3,600	361,501	-3,00%	361,082	361,609	0,527	107	3,600	361,704	2,65%	108	-	-	-	109	8,070	361,511	-4,33%	33	8,959	360,915
253+0,000			33	- 8,560	361,493	109	- 7,600	361,734	-5,00%	108	-	-	-	107	- 3,600	361,934	-3,00%	361,452	362,042	0,589	107	3,600	362,120	2,19%	108	-	-	-	109	7,580	361,931	-4,76%	33	10,060	361,311
253+5,000			33	- 8,569	361,606	109	- 7,600	361,848	-5,00%	108	-	-	-	107	- 3,600	362,048	-3,00%	361,533	362,156	0,623	107	3,600	362,231	2,07%	108	-	-	-	109	7,590	362,037	-4,87%	33	10,092	361,411
253+10,910			33	- 8,661	361,720	109	- 7,600	361,986	-5,00%	108	-	-	-	107	- 3,600	362,186	-3,00%	361,656	362,294	0,638	107	3,600	362,363	1,94%	108	-	-	-	109	7,600	362,163	-5,00%	33	9,995	361,565
254+0,000			33	- 8,848	361,885	109	- 7,600	362,197	-5,00%	108	-	-	-	107	- 3,600	362,397	-3,00%	361,846	362,505	0,659	107	3,600	362,567	1,73%	108	-	-	-	109	7,600	362,367	-5,00%	33	9,865	361,801
254+19,237			33	- 8,936	362,309	109	- 7,600	362,643	-5,00%	108	-	-	-	107	- 3,600	362,843	-3,00%	362,286	362,951	0,666	107	3,600	362,998	1,29%	108	-	-	-	109	7,600	362,798	-5,00%	33	10,042	362,187
255+0,000			33	- 8,935	362,327	109	- 7,600	362,661	-5,00%	108	-	-	-	107	- 3,600	362,861	-3,00%	362,304	362,969	0,665	107	3,600	363,015	1,27%	108	-	-	-	109	7,600	362,815	-5,00%	33	10,056	362,201
256+0,000			33	- 8,931	362,793	109	- 7,600	363,125	-5,00%	108	-	-	-	107	- 3,600	363,325	-3,00%	362,759	363,433	0,674	107	3,600	363,463	0,82%	108	-	-	-	109	7,600	363,263	-5,00%	33	9,819	362,708
257+0,000			33	- 9,207	363,188	109	- 7,600	363,590	-5,00%	108	-	-	-	107	- 3,600	363,790	-3,00%	363,153	363,898	0,745	107	3,600	363,910	0,36%	108	-	-	-	109	7,600	363,710	-5,00%	33	10,209	363,058
257+15,759	ET		33	- 9,062	363,590	109	- 7,600	363,955	-5,00%	108	-	-	-	107	- 3,600	364,155	-3,00%	363,477	364,263	0,787	107	3,600	364,263	0,00%	108	-	-	-	109	7,600	364,063	-5,00%	33	10,214	363,410
258+0,000			33	- 8,984	363,708	109	- 7,600	364,054	-5,00%	108	-	-	-	107	- 3,600	364,254	-3,00%	363,567	364,362	0,795	107	3,600	364,358	-0,10%	108	-	-	-	109	7,600	364,158	-5,00%	33	10,175	363,515
259+0,000			33	- 9,397	364,069	109	- 7,600	364,518	-5,00%	108	-	-	-	107	- 3,600	364,718	-3,00%	364,028	364,826	0,798	107	3,600	364,806	-0,55%	108	-	-	-	109	7,600	364,606	-5,00%	33	9,858	364,042
260+0,000			33	- 9,534	364,499	109	- 7,600	364,982	-5,00%	108	-	-	-	107	- 3,600	365,182	-3,00%	364,490	365,290	0,800	107	3,600	365,254	-1,01%	108	-	-	-	109	7,600	365,054	-5,00%	33	10,071	364,436
261+0,000			33	- 9,336	365,013	109	- 7,600	365,447	-5,00%	108	-	-	-	107	- 3,600	365,647	-3,00%	364,980	365,755	0,775	107	3,600	365,702	-1,47%	108	-	-	-	109	7,600	365,502	-5,00%	33	9,835	364,943
262+0,000			33	- 9,291	365,488	109	- 7,600	365,911	-5,00%	108	-	-	-	107	- 3,600	366,111	-3,00%	365,434	366,219	0,785	107	3,600	366,150	-1,93%	108	-	-	-	109	7,600	365,950	-5,00%	33	9,874	365,381
263+0,000			33	- 9,198	365,976	109	- 7,600	366,375	-5,00%	108	-	-	-	107	- 3,600	366,575	-3,00%	365,939	366,683	0,744	107	3,600	366,598	-2,38%	108	-	-	-	109	7,600	366,398	-5,00%	33	9,673	365,879
264+0,000			33	- 9,225	366,434	109	- 7,600	366,840	-5,00%	108	-	-	-	107	- 3,600	367,040	-3,00%	366,405	367,148	0,743	107	3,600	367,045	-2,84%	108	-	-	-	109	7,600	366,845	-5,00%	33	9,470	366,378
264+7,009			33	- 9,161	366,612	109	- 7,600	367,002	-5,00%	108	-	-	-	107	- 3,600	367,202	-3,00%	366,571	367,310	0,740	107	3,600	367,202	-3,00%	108	-	-	-	109	7,600	367,002	-5,00%	33	9,481	366,532
265+0,000			33	- 8,931	366,971	109	- 7,600	367,304	-5,00%	108	-	-	-	107	- 3,600	367,504	-3,00%	366,924	367,612	0,688	107	3,600	367,504	-3,00%	108	-	-	-	109	7,600	367,304	-5,00%	33	9,705	366,778
266+0,000			33	- 8,606	367,517	109	- 7,600	367,768	-5,00%	108	-	-	-	107	- 3,600	367,968	-3,00%	367,422	368,076	0,654	107	3,600	367,968	-3,00%	108	-	-	-	109	7,600	367,768	-5,00%	33	9,168	367,376
267+0,000			33	- 8,369	368,020	109	- 8,090	368,208	-5,00%	108	-	-	-	107	- 3,600	368,433	-3,00%	367,932	368,541	0,609	107	3,600	368,433	-3,00%	108	-	-	-	109	8,090	368,208	-5,00%	33	8,496	367,935
268+0,000			33	- 8,331	368,509	109	- 8,090	368,673	-5,00%	108	-	-	-	107	- 3,600	368,897	-3,00%	368,509	369,005	0,496	107	3,600	368,897	-3,00%	108	-	-	-	109	8,090	368,673	-5,00%	33	8,330	368,510
268+7,880			33	- 8,247	368,748	109	- 8,090	368,855	-5,00%	108	-	-	-	107	- 3,600	369,080	-3,00%	368,670	369,188	0,518	107	3,600	369,080	-3,00%	108	-	-	-	109	8,090	368,855	-5,00%	33	8,270	368,733
269+0,000			33	- 8,231	369,040	109	- 8,090	369,137	-5,00%	108	-	-	-	107	- 3,600	369,361	-3,00%	368,944	369,469	0,525	107	3,600	369,361	-3,00%	108	-	-	-	109	8,090	369,137	-5,00%	33	8,206	369,057
270+0,000			33	- 7,984	369,670	109	- 7,920	369,609	-5,00%	108	-	-	-	107	- 3,600	369,825	-3,00%	369,603	369,933	0,331	107	3,600	369,825	-3,00%	108	-	-	-	109	8,090	369,601	-5,00%	33	8,206	369,521
271+0,000			33	- 7,877	370,205	109	- 7,750	370,082	-5,00%	108	-	-	-	107	- 3,600	370,290	-3,00%	370,053	370,398	0,345	107	3,600	370,290	-3,00%	108	-	-	-	109	8,090	370,065	-5,00%	33	8,155	370,020
272+0,000			33	- 7,868	370,675	109	- 7,740	370,547	-5,00%	108	-	-	-	107	- 3,600	370,754	-3,00%	370,530	370,862	0,332	107	3,600	370,754	-3,00%	108	-	-	-	109	7,980	370,535	-5,00%	33	8,018	370,575
272+11,393			33	- 7,716	371,041	109	- 7,500	370,824	-5,00%	108	-	-	-	107	- 3,600	371,019	-3,00%	370,913	371,127	0,213	107	3,600	371,019	-3,00%	108	-	-	-	109	7,820	370,808	-5,00%	33	7,917	370,907
273+0,000			33	- 7,643	371,348	109	- 7,600	371,019	-5,00%	108	-	-	-	107	- 3,600	371,219	-3,00%	371,255	371,327	0,073	107	3,600	371,219	-3,00%	108	-	-	-	109	7,700	371,014	-5,00%	33	7,842	371,158
274+0,000			33	- 8,174	372,058	109	- 7,600	371,485	-5,00%	108	-	-	-	107	- 3,600	371,685	-3,00%	371,873	371,793	-0,080	107	3,600	371,685	-3,00%	108	-	-	-	109	8,090	371,460	-5,00%	33	7,612	371,793
275+0,000			33	- 8,079	372,429	109	- 7,600	371,950	-5,00%	108	-	-	-	107	- 3,600	372,150	-3,00%	372,393	372,258	-0,135	107	3,600	372,150	-3,00%	108	-	-	-	109	7,600	371,950	-5,00%	33	7,940	372,291
276+0,000			33	- 8,117	372,933	109	- 7,600	372,415	-5,00%	108	-	-	-	107	- 3,600	372,615	-3,00%	372,942	372,723	-0,218	107	3,600	372,615	-3,00%	108	-	-	-	109	7,600	372,415	-5,00%	33	8,075	372,890
277+0,000			33	- 8,281	373,562	109	- 7,600	372,881	-5,00%	108	-	-	-	107	- 3,600	373,081	-3,00%	373,501	373,189	-0,312	107	3,600	373,081	-3,00%	108	-	-	-	109	7,600	372,881	-5,00%	33	8,160	373,441
278+0,000			33	- 8,369	374,115	109	- 7,600	373,346	-5,00%	108	-	-	-	107	- 3,600	373,546	-3,00%	374,060	373,654	-0,406	107	3,600	373,546	-3,00%	108	-	-	-	109	7,600	373,346	-5,00%	33	8,333	374,079
279+0,000			33	- 8,438	374,650	109	- 7,600	373,812	-5,00%	108	-	-	-	107	- 3,600	374,012	-3,00%	374,674	374,120	-0,555	107	3,600	374,012	-3,00%	108	-	-	-	109	7,600	373,812	-5,00%	33	8,404	374,616
280+0,000			33	- 8,535	375,212	109	- 7,600	374,277	-5,00%	108	-	-	-	107	- 3,600	374,477	-3,00%	375,171	374,585	-0,586	107	3,600	374,477	-3,00%	108	-	-	-	109	7,600	374,277	-5,00%	33	8,472	375,149
281+0,000			33	- 8,625	375,768	109	- 7,600	374,742	-5,00%	108	-	-	-	107	- 3,600	374,942	-3,00%	375,686	375,050	-0,635	107	3,600	374,942	-3,00%	108	-	-	-	109	7,600	374,742	-5,00%	33	8,452	375,594
282+0,000			33	- 8,710	376,318	109	- 7,600	375,208	-5,00%	108	-	-	-	107	- 3,600	375,408	-3,00%	376,210	375,516	-0,694	107	3,600	375,408	-3,00%	108	-	-	-	109	7,600	375,208	-5,00%	33	8,593	376,201
283+0,000			33	- 8,717	376,790	109	- 7,600	375,673	-5,00%	108	-	-	-	107	- 3,600	375,873	-3,00%	376,728	375,981	-0,747	107	3,600	375,873	-3,00%	108	-	-	-	109	7,600	375,673	-5,00%	33	8,618	376,691
284+0,000			33	- 8,798	377,336	109	- 7,600	376,139	-5,00%	108	-	-	-	107	- 3,600	376,339	-3,00%	377,231	376,447	-0,785	107	3,600	376,339	-3,00%	108	-	-	-	109	7,600	376,139	-5,00%	33	8,665	377,204
285+0,000			33	- 8,870	377,874	109	- 7,600	376,604	-5,00%	108	-	-	-	107	- 3,600	376,804	-3,00%	377,734	376,912	-0,822	107	3,600	376,804	-3,00%	108	-	-	-	109	7,600	376,604	-5,00%	33	8,694	377,698

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM																COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM															
			Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista				Terreno Natural	Terraplenagem	Cota vermelha	Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
286+0,000			33	8,832	378,301	109	7,600	377,069	-5,00%	108	-	-	-	107	3,600	377,269	-3,00%	378,300	377,377	-0,922	107	3,600	377,269	-3,00%	108	-	-	-	109	7,600	377,069	-5,00%	33	8,769	378,239
287+0,000			33	8,810	378,745	109	7,600	377,535	-5,00%	108	-	-	-	107	3,600	377,735	-3,00%	378,721	377,843	-0,878	107	3,600	377,735	-3,00%	108	-	-	-	109	7,600	377,535	-5,00%	33	8,805	378,740
288+0,000			33	8,750	379,150	109	7,600	378,000	-5,00%	108	-	-	-	107	3,600	378,200	-3,00%	379,180	378,308	-0,872	107	3,600	378,200	-3,00%	108	-	-	-	109	7,600	378,000	-5,00%	33	8,716	379,116
289+0,000			33	8,930	379,796	109	7,600	378,466	-5,00%	108	-	-	-	107	3,600	378,666	-3,00%	379,615	378,774	-0,841	107	3,600	378,666	-3,00%	108	-	-	-	109	7,600	378,466	-5,00%	33	8,666	379,532
290+0,000			33	8,888	380,219	109	7,600	378,931	-5,00%	108	-	-	-	107	3,600	379,131	-3,00%	380,325	379,239	-1,086	107	3,600	379,131	-3,00%	108	-	-	-	109	7,600	378,931	-5,00%	33	8,812	380,143
291+0,000			33	8,749	380,546	109	7,600	379,396	-5,00%	108	-	-	-	107	3,600	379,596	-3,00%	380,627	379,704	-0,922	107	3,600	379,596	-3,00%	108	-	-	-	109	7,600	379,396	-5,00%	33	8,788	380,584
291+15,000		PCV	33	8,686	380,832	109	7,600	379,746	-5,00%	108	-	-	-	107	3,600	379,946	-3,00%	380,878	380,054	-0,825	107	3,600	379,946	-3,00%	108	-	-	-	109	7,600	379,746	-5,00%	33	8,677	380,822
292+0,000			33	8,687	380,948	109	7,600	379,861	-5,00%	108	-	-	-	107	3,600	380,061	-3,00%	380,990	380,169	-0,821	107	3,600	380,061	-3,00%	108	-	-	-	109	7,600	379,861	-5,00%	33	8,654	380,915
293+0,000			33	8,676	381,380	109	7,600	380,304	-5,00%	108	-	-	-	107	3,600	380,504	-3,00%	381,402	380,612	-0,791	107	3,600	380,504	-3,00%	108	-	-	-	109	7,600	380,304	-5,00%	33	8,650	381,353
294+0,000			33	8,558	381,674	109	7,600	380,716	-5,00%	108	-	-	-	107	3,600	380,916	-3,00%	381,719	381,024	-0,695	107	3,600	380,916	-3,00%	108	-	-	-	109	7,600	380,716	-5,00%	33	8,582	381,698
295+0,000			33	8,458	381,956	109	7,600	381,098	-5,00%	108	-	-	-	107	3,600	381,298	-3,00%	381,962	381,406	-0,556	107	3,600	381,298	-3,00%	108	-	-	-	109	7,600	381,098	-5,00%	33	8,532	382,030
296+0,000			33	8,397	382,247	109	7,600	381,450	-5,00%	108	-	-	-	107	3,600	381,650	-3,00%	382,338	381,758	-0,580	107	3,600	381,650	-3,00%	108	-	-	-	109	7,600	381,450	-5,00%	33	8,546	382,396
296+15,000			33	8,362	382,456	109	7,600	381,694	-5,00%	108	-	-	-	107	3,600	381,894	-3,00%	382,613	382,002	-0,611	107	3,600	381,894	-3,00%	108	-	-	-	109	7,600	381,694	-5,00%	33	8,510	382,604
297+0,000			33	8,355	382,526	109	7,600	381,772	-5,00%	108	-	-	-	107	3,600	381,972	-3,00%	382,698	382,080	-0,618	107	3,600	381,972	-3,00%	108	-	-	-	109	7,600	381,772	-5,00%	33	8,486	382,657
298+0,000			33	8,434	382,897	109	7,600	382,063	-5,00%	108	-	-	-	107	3,600	382,263	-3,00%	382,888	382,371	-0,517	107	3,600	382,263	-3,00%	108	-	-	-	109	7,600	382,063	-5,00%	33	8,474	382,937
299+0,000			33	8,342	383,066	109	7,600	382,324	-5,00%	108	-	-	-	107	3,600	382,524	-3,00%	383,126	382,632	-0,495	107	3,600	382,524	-3,00%	108	-	-	-	109	7,600	382,324	-5,00%	33	8,420	383,144
300+0,000			33	8,255	383,209	109	7,600	382,555	-5,00%	108	-	-	-	107	3,600	382,755	-3,00%	383,267	382,863	-0,404	107	3,600	382,755	-3,00%	108	-	-	-	109	7,600	382,555	-5,00%	33	8,358	383,313
301+0,000			33	8,238	383,393	109	7,600	382,755	-5,00%	108	-	-	-	107	3,600	382,955	-3,00%	383,463	383,063	-0,400	107	3,600	382,955	-3,00%	108	-	-	-	109	7,600	382,755	-5,00%	33	8,310	383,465
301+15,000		PTV	33	8,220	383,505	109	7,600	382,886	-5,00%	108	-	-	-	107	3,600	383,086	-3,00%	383,564	383,194	-0,371	107	3,600	383,086	-3,00%	108	-	-	-	109	7,600	382,886	-5,00%	33	8,295	383,580
302+0,000			33	8,206	383,532	109	7,600	382,926	-5,00%	108	-	-	-	107	3,600	383,126	-3,00%	383,585	383,234	-0,350	107	3,600	383,126	-3,00%	108	-	-	-	109	7,600	382,926	-5,00%	33	8,289	383,615
303+0,000			33	8,080	383,569	109	7,600	383,089	-5,00%	108	-	-	-	107	3,600	383,289	-3,00%	383,690	383,397	-0,293	107	3,600	383,289	-3,00%	108	-	-	-	109	7,600	383,089	-5,00%	33	8,258	383,747
304+0,000			33	8,012	383,663	109	7,600	383,251	-5,00%	108	-	-	-	107	3,600	383,451	-3,00%	383,773	383,559	-0,213	107	3,600	383,451	-3,00%	108	-	-	-	109	7,600	383,251	-5,00%	33	8,174	383,825
305+0,000			33	7,922	383,736	109	7,600	383,414	-5,00%	108	-	-	-	107	3,600	383,614	-3,00%	383,837	383,722	-0,115	107	3,600	383,614	-3,00%	108	-	-	-	109	7,600	383,414	-5,00%	33	8,168	383,982
306+0,000			33	7,688	383,818	109	7,450	383,584	-5,00%	108	-	-	-	107	3,600	383,777	-3,00%	383,921	383,885	-0,036	107	3,600	383,777	-3,00%	108	-	-	-	109	7,600	383,577	-5,00%	33	7,999	383,976
307+0,000			33	7,903	383,838	109	7,800	383,730	-5,00%	108	-	-	-	107	3,600	383,939	-3,00%	383,996	384,047	0,051	107	3,600	383,939	-3,00%	108	-	-	-	109	7,600	383,739	-5,00%	33	7,926	384,065
308+0,000			33	8,122	383,854	109	8,090	383,878	-5,00%	108	-	-	-	107	3,600	384,102	-3,00%	384,026	384,210	0,184	107	3,600	384,102	-3,00%	108	-	-	-	109	7,600	383,902	-5,00%	33	7,907	384,209
309+0,000			33	8,294	383,902	109	8,090	384,040	-5,00%	108	-	-	-	107	3,600	384,265	-3,00%	384,083	384,373	0,290	107	3,600	384,265	-3,00%	108	-	-	-	109	8,090	384,040	-5,00%	33	7,995	384,101
310+0,000			33	8,450	383,960	109	8,090	384,203	-5,00%	108	-	-	-	107	3,600	384,427	-3,00%	384,155	384,535	0,380	107	3,600	384,427	-3,00%	108	-	-	-	109	8,090	384,203	-5,00%	33	8,081	384,206
311+0,000			33	8,615	384,013	109	8,090	384,365	-5,00%	108	-	-	-	107	3,600	384,590	-3,00%	384,228	384,698	0,470	107	3,600	384,590	-3,00%	108	-	-	-	109	8,090	384,365	-5,00%	33	8,111	384,349
312+0,000			33	8,732	384,098	109	8,090	384,528	-5,00%	108	-	-	-	107	3,600	384,752	-3,00%	384,341	384,860	0,519	107	3,600	384,752	-3,00%	108	-	-	-	109	8,090	384,528	-5,00%	33	8,255	384,416
313+0,000			33	8,783	384,226	109	8,090	384,691	-5,00%	108	-	-	-	107	3,600	384,915	-3,00%	384,454	385,023	0,569	107	3,600	384,915	-3,00%	108	-	-	-	109	8,090	384,691	-5,00%	33	8,343	384,520
314+0,000			33	8,955	384,274	109	8,090	384,853	-5,00%	108	-	-	-	107	3,600	385,078	-3,00%	384,473	385,186	0,713	107	3,600	385,078	-3,00%	108	-	-	-	109	8,090	384,853	-5,00%	33	8,313	384,702
315+0,000			33	8,780	384,554	109	8,090	385,016	-5,00%	108	-	-	-	107	3,600	385,240	-3,00%	384,678	385,348	0,670	107	3,600	385,240	-3,00%	108	-	-	-	109	8,090	385,016	-5,00%	33	8,411	384,800
316+0,000			33	9,014	384,560	109	8,090	385,178	-5,00%	108	-	-	-	107	3,600	385,403	-3,00%	384,741	385,511	0,769	107	3,600	385,403	-3,00%	108	-	-	-	109	8,090	385,178	-5,00%	33	8,556	384,866
317+0,000			33	9,065	384,689	109	8,090	385,341	-5,00%	108	-	-	-	107	3,600	385,565	-3,00%	384,865	385,673	0,809	107	3,600	385,565	-3,00%	108	-	-	-	109	8,090	385,341	-5,00%	33	8,547	385,034
318+0,000			33	9,005	384,891	109	8,090	385,504	-5,00%	108	-	-	-	107	3,600	385,728	-3,00%	384,955	385,836	0,881	107	3,600	385,728	-3,00%	108	-	-	-	109	8,090	385,504	-5,00%	33	8,643	385,132
319+0,000			33	9,180	384,937	109	8,090	385,666	-5,00%	108	-	-	-	107	3,600	385,891	-3,00%	385,247	385,999	0,752	107	3,600	385,891	-3,00%	108	-	-	-	109	8,090	385,666	-5,00%	33	8,659	385,285
320+0,000			33	9,165	385,110	109	8,090	385,829	-5,00%	108	-	-	-	107	3,600	386,053	-3,00%	385,252	386,161	0,909	107	3,600	386,053	-3,00%	108	-	-	-	109	8,090	385,829	-5,00%	33	8,570	385,507
320+17,085			33	9,093	385,297	109	8,090	385,968	-5,00%	108	-	-	-	107	3,600	386,192	-3,00%	385,416	386,300	0,884	107	3,600	386,192	-3,00%	108	-	-	-	109	8,090	385,968	-5,00%	33	7,813	386,150
321+0,000			33	9,095	385,320	109	8,090	385,992	-5,00%	108	-	-	-	107	3,600	386,216	-3,00%	385,465	386,324	0,859	107	3,600	386,216	-3,00%	108	-	-	-	109	8,090	385,992	-5,00%	33	8,060	386,009
321+12,085			33	9,066	385,437	109	8,090	386,090	-5,00%	108	-	-	-	107	3,600	386,314	-3,00%	385,618	386,422	0,804	107	3,600	386,314	-3,00%	108	-	-	-	109	8,090	386,090	-5,00%	33	8,512	385,806
322+0,000			33	9,037	385,521	109	8,090	386,154	-5,00%	108	-	-	-	107	3,600	386,378	-3,00%	385,690	386,486	0,796	107	3,600	386,378	-3,00%	108	-	-	-	109	8,090	386,154	-5,00%	33	8,440	385,918
322+14,585			33	8,687	385,873	109	8,090	386,273	-5,00%	108	-	-	-	107	3,600	386,497	-3,00%	386,044	386,605	0,561	107	3,600	386,497	-3,00%	108	-	-	-	109	8,090	386,273	-5,00%	33	8,217	386,186
323+0,000			33	8,512	386,039	109	8,080	386,328	-4,76%	108	-	-	-	107	3,600	386,541	-3,00%	386,222	386,649	0,427	107	3,600	386,541	-3,00%	108	-	-	-	109	8,080	386,328	-4,76%	33	8,130	386,294
323+4,586	PC		33	8,365	386,180	109	8,070	386,375	-4,56%	108	-	-	-	107	3,600	386,578	-3,00%	386,372	386,686	0,314	107	3,600	386,578	-3,00%	108	-	-	-	109	8,050	386,376	-4,56%	33	8,056	386,386
323+17,085			33	8,327	386,320	109	8,060	386,502	-4,00%	108	-	-	-	107	3,600	386,680	-3,00%	386,370	386,788	0,418	107	3,600	386,680	-3,00%	108	-	-	-	109	8,010	386,504	-4,00%	33	8,027	386,520
324+0,000			33	8,322	386,348	109	8,090	386,504	-4,00%	108	-	-	-	107	3,600	386,704	-3,00%	386,362	386,812	0,450	107	3,600	386,704	-3,00%	108	-	-	-	109	8,010	386,527	-4,00%	33	8,024	386,546
325+0,000			33	8,454	386,422	109	8,060	386,688	-4,00%	108	-	-	-	107	3,600	386,866	-3,00%	386,559	386,974	0,416	107	3,600	386,866	-3,00%	108	-	-	-	109	8,060	386,688	-4,00%	33	8,094	386,662
325+15,000		PCV	33	8,400	386,580	109	8,090	386,789	-4,00%	108	-	-	-	107	3,600	386,988	-3,00%	386,722	387,096	0,374	107	3,600	386,988	-3,00%	108	-	-	-	109	7,890	386,817	-4,00%	33	7,952	386,879
326+0,000			33	8,391	386,628	109	8,060	386,852	-4,00%	108	-	-	-	107	3,600	387,030	-3,00%	386,766	387,138	0,372	107	3,600	387,030	-3,00%	108	-	-	-	109	7,810	386,862	-4,00%	33	7,901	386,955
327+0,000			33	8,243	386,924	109	8,060	387,050	-4,00%	108	-	-	-	107	3,600	387,228	-3,00%	387,160	387,336	0,176	107	3,600	387,228	-3,00%	108	-	-	-	109	7,480	387,073	-4,00%	33	7,693	387,291
328+0,000			33	8,107	387,259	109	8,060	387,294	-4,00%	108	-	-	-	107	3,600	387,472	-3,00%	387,409	387,580	0,171	107	3,600	387,472	-3,00%	108	-	-	-	109	7,450	387,318	-4,00%	33	7,680	387,544
328+5,000			33	8,133	387,310	109	8,060	387,362	-4,00%	108	-	-	-	107	3,600	387,540	-3,00%	387,450	387,648	0,198	107	3,600	387,540	-3,00%	108	-	-	-	109	7,480	387,385	-4,00%	33	7,694	387,603
329+0,000			33	8,072	387,573	109	8,060	387,585	-4,00%	108	-	-	-	107	3,600	387,763	-3,00%	387,702	387,871	0,169	107	3,600	387,763	-3,00%	108	-	-	-	109	7,390	387,611	-4,00%	33	7,642	387,860
330+0,000			33	8,114	387,882	109	8,060	387,922	-4,00%	108	-	-	-	107	3,600	388,100	-3,00%	388,039	388,208	0,170	107	3,600	388,100	-3,00%	108	-	-	-	109	7,460	387,946	-4,00%	33	7,684	388,169
330+15,000		PTV	33	8,149	388,143	109	8,060	388,206	-4,00%	108	-	-	-	107	3,600	388,384	-3,00%	388,321	388,492	0,170	107	3,600	388,384	-3,00%	108	-	-	-	109	7,420	388,231	-4,00%	33	7,661	388,468
331+0,000			33	8,161	388,234	109	8,060	388,304	-4,00%	108	-	-	-	107	3,600	388,483	-3,00%	388,421	388,591	0,169	107	3,600	388,483	-3,00%	108	-	-	-	109	7,610	388,312	-4,00%	33	7,906	388,614
332+0,000			33	8,251	388,569	109	8,060	388,700	-4,00%	108	-	-	-	107	3,600	388,878	-3,00%	388,758	388,986	0,228	107	3,600	388,878	-3,00%	108	-	-	-	109	7,560	388,720	-4,00%	33	7,747	388,905
332+12,585			33	8,213	388,843	109	8,060	388,949	-4,00%	108	-	-	-	107	3,600	389,127	-3,00%	389,016	389,235	0,219	107	3,600	389,127	-3,00%	108	-	-	-	109	7,740	388,962	-4,00%	33	7,856	389,082
333+0,000			33	8,154	389,030	109	8,060	389,096	-4,00%	108	-	-	-	107	3,600	389,274	-3,00%	389,192	389,382	0,190	107	3,600	389,274	-3,00%	108	-	-	-	109	7,720	389,109	-4,00%	33	7,847	389,234
334+0,000			33	8,382	389,273	109	8,060	389,491	-4,00%	108	-	-	-	107	3,600	389,669	-3,00%	389,441	389,777	0,337	107	3,600	389,669	-3,00%	108	-	-	-	109	7,840	389,500	-4,00%	33	7,919	389,582
335+0,000			33	8,425	389,640	109	8,060	389,887	-4,00%	108	-	-	-	107	3,600	390,065	-3,00%	389,801	390,173	0,372	107	3,600	390,065	-3,00%	108	-	-	-	109	7,740	389,899	-4,00%	33	7,856	390,020
336+0,000			33	8,584	389,929	109	8,060	390,282	-4,00%	108	-	-	-	107	3,600	390,460	-3,00%	389,976	390,568	0,593	107	3,600	390,460	-3,00%	108	-	-	-	109	7,850	390,291	-4,00%	33	7,926	390,368
337+0,000			33	8,388	390,456	109	8,060	390,678	-4,00%	108	-	-	-	107	3,600	390,856	-3,00%	390,532	390,964	0,432	107	3,600	390,856	-3,00%	108	-	-	-	109	8,020	390,679	-4,00%	33	8,034	390,692
338+0,000			33	8,387	390,852	109	8,060	391,073	-4,00%	108	-	-	-	107	3,600	391,252	-3,00%	391,003	391,360	0,357	107	3,600	391,252	-3,00%	108	-	-	-	109	7,960	391,077	-4,00%	33	7,993	391,115
339+0,000			33	8,351	391,272	109	8,060	391,469	-4,00%	108	-	-	-	107	3,600	391,647	-3,00%	391,439	391,755	0,316	107	3,600	391,647	-3,00%	108	-	-	-	109	7,840	391,477	-4,00%	33	7,923	391,557
340+0,000			33	8,404	391,632	109	8,060	391,864	-4,00%	108	-	-	-	107	3,600	392,043	-3,00%	391,845	392,151	0,305	107	3,600	392,043	-3,00%	108	-	-	-	109	7,660	391,880	-4,00%	33	7,811	392,027
341+0,000			33	8,385	392,040	109	8,060	392,260	-4,00%	108	-	-	-	107	3,600	392,438	-3,00%	392,209	392,546	0,337	107	3,600	392,438	-3,00%	108	-	-	-	109	7,790	392,271	-4,00%	33	7,886	392,372
341+8,084			33	8,378	392,205	109	8,060	392,295	-4,00%	108	-	-	-	107	3,600	392,598	-3,00%	392,375	392,706	0,331	107	3,600	392,598	-3,00%	108	-	-	-	109	7,750	392,307	-4,00%	33	7,867	392,545
342+0,000			33	8,410	392,405	109	8,070	392,631	-4,53%	108	-	-	-	107	3,600	392,834	-3,00%	392,613	392,942	0,329	107	3,600	392,834	-3,00%	108	-	-	-	109	7,600	392,652	-4,53%	33	7,778	392,827
342+0,583	PT		33	8,412	392,415	109	8,070	392,642	-4,56%	108	-	-	-	107	3,600	392,845	-3,00%	392,625	392,953	0,328	107	3,600	392,845	-3,00%	108	-	-	-	109	7,580	392,664	-4,56%	33	7,765	392,846

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		BR-158/262-MS																																
			LADO ESQUERDO																COTAS DE EIXO			LADO DIREITO													
			PLATAFORMA DE TERRAPLENAGEM																			PLATAFORMA DE TERRAPLENAGEM													
			Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista							Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
342+10,584			33	8,397	392,612	109	8,090	392,819	-5,000%	108	-	-	-	107	3,600	393,043	-3,000%	392,896	393,151	0,255	107	3,600	393,043	-3,000%	108	-	-	-	109	7,480	392,849	-5,000%	33	7,705	393,073
343+0,000			33	8,280	392,876	109	8,090	393,005	-5,000%	108	-	-	-	107	3,600	393,229	-3,000%	393,060	393,337	0,277	107	3,600	393,229	-3,000%	108	-	-	-	109	7,550	393,032	-5,000%	33	7,751	393,229
343+13,084			33	8,216	393,178	109	8,090	393,264	-5,000%	108	-	-	-	107	3,600	393,488	-3,000%	393,336	393,596	0,260	107	3,600	393,488	-3,000%	108	-	-	-	109	7,720	393,282	-5,000%	33	7,857	393,417
344+0,000			33	8,253	393,289	109	8,090	393,401	-5,000%	108	-	-	-	107	3,600	393,625	-3,000%	393,506	393,733	0,227	107	3,600	393,625	-3,000%	108	-	-	-	109	7,770	393,416	-5,000%	33	7,887	393,534
344+8,084			33	8,312	393,410	109	8,090	393,561	-5,000%	108	-	-	-	107	3,600	393,785	-3,000%	393,675	393,893	0,218	107	3,600	393,785	-3,000%	108	-	-	-	109	7,840	393,573	-5,000%	33	7,931	393,664
345+0,000			33	8,381	393,600	109	8,090	393,796	-5,000%	108	-	-	-	107	3,600	394,021	-3,000%	393,827	394,129	0,301	107	3,600	394,021	-3,000%	108	-	-	-	109	7,750	393,813	-5,000%	33	7,872	393,939
346+0,000			33	8,243	394,088	109	8,090	394,192	-5,000%	108	-	-	-	107	3,600	394,416	-3,000%	394,224	394,524	0,300	107	3,600	394,416	-3,000%	108	-	-	-	109	7,390	394,227	-5,000%	33	7,647	394,485
347+0,000			33	8,351	394,411	109	8,090	394,587	-5,000%	108	-	-	-	107	3,600	394,812	-3,000%	394,684	394,920	0,236	107	3,600	394,812	-3,000%	108	-	-	-	109	7,470	394,618	-5,000%	33	7,698	394,846
348+0,000			33	8,279	394,855	109	8,090	394,983	-5,000%	108	-	-	-	107	3,600	395,207	-3,000%	395,114	395,315	0,201	107	3,600	395,207	-3,000%	108	-	-	-	109	7,590	395,008	-5,000%	33	7,776	395,190
349+0,000			33	8,192	395,308	109	8,090	395,378	-5,000%	108	-	-	-	107	3,600	395,603	-3,000%	395,470	395,711	0,241	107	3,600	395,603	-3,000%	108	-	-	-	109	7,510	395,407	-5,000%	33	7,723	395,621
350+0,000			33	8,165	395,722	109	8,090	395,774	-5,000%	108	-	-	-	107	3,600	395,998	-3,000%	395,804	396,106	0,302	107	3,600	395,998	-3,000%	108	-	-	-	109	7,440	395,806	-5,000%	33	7,680	396,045
351+0,000			33	8,191	396,100	109	8,090	396,170	-5,000%	108	-	-	-	107	3,600	396,394	-3,000%	396,220	396,502	0,282	107	3,600	396,394	-3,000%	108	-	-	-	109	7,540	396,197	-5,000%	33	7,745	396,397
352+0,000			33	8,172	396,508	109	8,090	396,565	-5,000%	108	-	-	-	107	3,600	396,789	-3,000%	396,645	396,897	0,253	107	3,600	396,789	-3,000%	108	-	-	-	109	7,560	396,591	-5,000%	33	7,755	396,786
353+0,000			33	8,151	396,918	109	8,090	396,961	-5,000%	108	-	-	-	107	3,600	397,185	-3,000%	397,098	397,293	0,195	107	3,600	397,185	-3,000%	108	-	-	-	109	7,440	396,993	-5,000%	33	7,678	397,233
354+0,000			33	8,395	397,150	109	8,090	397,356	-5,000%	108	-	-	-	107	3,600	397,581	-3,000%	397,447	397,689	0,241	107	3,600	397,581	-3,000%	108	-	-	-	109	7,340	397,393	-5,000%	33	7,618	397,669
355+0,000			33	8,489	397,484	109	8,090	397,752	-5,000%	108	-	-	-	107	3,600	397,976	-3,000%	397,879	398,084	0,206	107	3,600	397,976	-3,000%	108	-	-	-	109	7,490	397,782	-5,000%	33	7,710	398,003
356+0,000			33	8,083	398,150	109	8,090	398,147	-5,000%	108	-	-	-	107	3,600	398,372	-3,000%	398,156	398,480	0,324	107	3,600	398,372	-3,000%	108	-	-	-	109	7,590	398,172	-5,000%	33	7,775	398,355
357+0,000			33	8,058	398,562	109	8,040	398,545	-5,000%	108	-	-	-	107	3,600	398,767	-3,000%	398,656	398,875	0,220	107	3,600	398,767	-3,000%	108	-	-	-	109	7,600	398,567	-5,000%	33	7,782	398,746
358+0,000			33	8,126	398,912	109	8,090	398,939	-5,000%	108	-	-	-	107	3,600	399,163	-3,000%	399,065	399,271	0,206	107	3,600	399,163	-3,000%	108	-	-	-	109	7,420	398,972	-5,000%	33	7,665	399,219
359+0,000			33	8,120	399,311	109	8,090	399,334	-5,000%	108	-	-	-	107	3,600	399,558	-3,000%	399,490	399,666	0,176	107	3,600	399,558	-3,000%	108	-	-	-	109	7,340	399,371	-5,000%	33	7,616	399,648
360+0,000			33	8,145	399,691	109	8,090	399,730	-5,000%	108	-	-	-	107	3,600	399,954	-3,000%	399,872	400,062	0,190	107	3,600	399,954	-3,000%	108	-	-	-	109	7,390	399,764	-5,000%	33	7,650	400,020
361+0,000		PCV	33	8,212	400,042	109	8,090	400,125	-5,000%	108	-	-	-	107	3,600	400,350	-3,000%	400,312	400,458	0,145	107	3,600	400,350	-3,000%	108	-	-	-	109	7,330	400,163	-5,000%	33	7,612	400,441
362+0,000			33	8,210	400,422	109	8,090	400,504	-5,000%	108	-	-	-	107	3,600	400,729	-3,000%	400,659	400,837	0,178	107	3,600	400,729	-3,000%	108	-	-	-	109	7,380	400,540	-5,000%	33	7,644	400,800
363+0,000			33	8,218	400,763	109	8,090	400,851	-5,000%	108	-	-	-	107	3,600	401,075	-3,000%	400,980	401,183	0,203	107	3,600	401,075	-3,000%	108	-	-	-	109	7,350	400,888	-5,000%	33	7,623	401,160
364+0,000			33	8,110	401,149	109	8,090	401,165	-5,000%	108	-	-	-	107	3,600	401,389	-3,000%	401,298	401,497	0,200	107	3,600	401,389	-3,000%	108	-	-	-	109	7,330	401,203	-5,000%	33	7,610	401,483
365+0,000			33	8,149	401,405	109	8,090	401,447	-5,000%	108	-	-	-	107	3,600	401,671	-3,000%	401,630	401,779	0,149	107	3,600	401,671	-3,000%	108	-	-	-	109	7,390	401,482	-5,000%	33	7,645	401,741
366+0,000			33	7,995	401,756	109	7,940	401,703	-5,000%	108	-	-	-	107	3,600	401,920	-3,000%	401,960	402,028	0,067	107	3,600	401,920	-3,000%	108	-	-	-	109	7,600	401,720	-5,000%	33	8,001	402,120
367+0,000		PTV	33	7,788	402,111	109	7,610	401,935	-5,000%	108	-	-	-	107	3,600	402,136	-3,000%	402,263	402,244	-0,019	107	3,600	402,136	-3,000%	108	-	-	-	109	7,600	401,936	-5,000%	33	8,179	402,515
368+0,000			33	7,645	402,465	109	8,090	402,111	-5,000%	108	-	-	-	107	3,600	402,336	-3,000%	402,653	402,444	-0,210	107	3,600	402,336	-3,000%	108	-	-	-	109	7,600	402,136	-5,000%	33	8,309	402,845
369+0,000			33	8,044	402,779	109	7,600	402,335	-5,000%	108	-	-	-	107	3,600	402,535	-3,000%	402,983	402,643	-0,339	107	3,600	402,535	-3,000%	108	-	-	-	109	7,600	402,335	-5,000%	33	8,397	403,132
370+0,000			33	20,904	402,904	109	19,500	402,202	-5,000%	108	6,416	402,594	-3,000%	107	3,600	402,735	-3,000%	403,312	402,843	-0,469	107	3,600	402,735	-3,000%	108	6,416	402,594	-3,000%	109	18,500	402,232	-5,000%	33	21,388	403,676
371+0,000			33	21,060	403,182	109	19,500	402,402	-5,000%	108	6,416	402,794	-3,000%	107	3,600	402,935	-3,000%	403,640	403,043	-0,597	107	3,600	402,935	-3,000%	108	6,416	402,794	-3,000%	109	18,500	402,432	-5,000%	33	21,390	403,877
372+0,000			33	22,253	403,978	109	19,500	402,602	-5,000%	108	6,416	402,994	-3,000%	107	3,600	403,135	-3,000%	404,104	403,243	-0,861	107	3,600	403,135	-3,000%	108	6,416	402,994	-3,000%	109	18,500	402,632	-5,000%	33	21,997	404,380
373+0,000			33	22,524	404,313	109	19,500	402,801	-5,000%	108	6,416	403,194	-3,000%	107	3,600	403,335	-3,000%	404,318	403,443	-0,876	107	3,600	403,335	-3,000%	108	6,416	403,194	-3,000%	109	18,500	402,831	-5,000%	33	22,391	404,777
374+0,000			33	21,745	404,124	109	19,500	403,001	-5,000%	108	6,416	403,394	-3,000%	107	3,600	403,535	-3,000%	404,468	403,643	-0,826	107	3,600	403,535	-3,000%	108	6,416	403,394	-3,000%	109	18,500	403,031	-5,000%	33	22,257	404,910
375+0,000			33	22,732	404,817	109	19,500	403,201	-5,000%	108	6,416	403,594	-3,000%	107	3,600	403,734	-3,000%	405,259	403,842	-1,417	107	3,600	403,734	-3,000%	108	6,416	403,594	-3,000%	109	18,500	403,231	-5,000%	33	22,504	405,233
376+0,000			33	22,803	405,053	109	19,500	403,401	-5,000%	108	6,416	403,793	-3,000%	107	3,600	403,934	-3,000%	405,631	404,042	-1,589	107	3,600	403,934	-3,000%	108	6,416	403,793	-3,000%	109	18,500	403,431	-5,000%	33	22,758	405,560
377+0,000			33	23,736	405,718	109	19,500	403,601	-5,000%	108	6,416	403,993	-3,000%	107	3,600	404,134	-3,000%	405,658	404,242	-1,416	107	3,600	404,134	-3,000%	108	6,416	403,993	-3,000%	109	18,500	403,631	-5,000%	33	23,177	405,969
378+0,000		PCV	33	23,427	405,764	109	19,500	403,800	-5,000%	108	6,416	404,193	-3,000%	107	3,600	404,334	-3,000%	405,823	404,442	-1,381	107	3,600	404,334	-3,000%	108	6,416	404,193	-3,000%	109	18,500	403,830	-5,000%	33	23,299	406,230
379+0,000			33	22,824	405,647	109	19,500	403,985	-5,000%	108	6,416	404,378	-3,000%	107	3,600	404,519	-3,000%	406,063	404,627	-1,436	107	3,600	404,519	-3,000%	108	6,416	404,378	-3,000%	109	18,500	404,015	-5,000%	33	23,510	406,520
380+0,000			33	22,911	405,845	109	19,500	404,140	-5,000%	108	6,416	404,532	-3,000%	107	3,600	404,673	-3,000%	406,451	404,781	-1,670	107	3,600	404,673	-3,000%	108	6,416	404,532	-3,000%	109	18,500	404,170	-5,000%	33	23,795	406,817
381+0,000			33	23,766	406,397	109	19,500	404,264	-5,000%	108	6,416	404,657	-3,000%	107	3,600	404,798	-3,000%	406,844	404,906	-1,939	107	3,600	404,798	-3,000%	108	6,416	404,657	-3,000%	109	18,500	404,294	-5,000%	33	23,992	407,040
382+0,000			33	24,056	406,637	109	19,500	404,358	-5,000%	108	6,416	404,751	-3,000%	107	3,600	404,892	-3,000%	406,964	405,000	-1,965	107	3,600	404,892	-3,000%	108	6,416	404,751	-3,000%	109	18,500	404,388	-5,000%	33	24,076	407,177
383+0,000			33	23,592	406,469	109	19,500	404,423	-5,000%	108	6,416	404,815	-3,000%	107	3,600	404,956	-3,000%	406,969	405,064	-1,905	107	3,600	404,956	-3,000%	108	6,416	404,815	-3,000%	109	18,500	404,453	-5,000%	33	24,231	407,318
384+0,000			33	23,431	406,422	109	19,500	404,456	-5,000%	108	6,416	404,849	-3,000%	107	3,600	404,990	-3,000%	407,120	405,098	-2,022	107	3,600	404,990	-3,000%	108	6,416	404,849	-3,000%	109	18,500	404,486	-5,000%	33	24,616	407,545
384+12,496			33	23,678	406,551	109	19,500	404,462	-5,000%	108	6,416	404,855	-3,000%	107	3,600	404,996	-3,000%	407,261	405,104	-2,157	107	3,600	404,996	-3,000%	108	6,416	404,855	-3,000%	109	18,500	404,492	-5,000%	33	24,889	407,687
385+0,000			33	23,869	406,645	109	19,500	404,460	-5,000%	108	6,416	404,853	-3,000%	107	3,600	404,994	-3,000%	407,345	405,102	-2,244	107	3,600	404,994	-3,000%	108	6,416	404,853	-3,000%	109	18,500	404,490	-5,000%	33	25,065	407,773
386+0,000			33	24,441	406,905	109	19,500	404,434	-5,000%	108	6,416	404,826	-3,000%	107	3,600	404,967	-3,000%	407,441	405,075	-2,366	107	3,600	404,967	-3,000%	108	6,416	404,826	-3,000%	109	18,500	404,464	-5,000%	33	25,461	407,944
387+0,000			33	24,581	406,918	109	19,500	404,377	-5,000%	108	6,416	404,770	-3,000%	107	3,600	404,911	-3,000%	407,685	405,019	-2,666	107	3,600	404,911	-3,000%	108	6,416	404,770	-3,000%	109	18,500	404,407	-5,000%	33	26,016	408,165
388+0,000			33	25,357	407,219	109	19,500	404,291	-5,000%	108	6,416	404,683	-3,000%	107	3,600	404,824	-3,000%	407,895	404,932	-2,963	107	3,600	404,824	-3,000%	108	6,416	404,683	-3,000%	109	18,500	404,321	-5,000%	33	26,592	408,367
389+0,000			33	25,799	407,323	109	19,500	404,174	-5,000%	108	6,416	404,566	-3,000%	107	3,600	404,707	-3,000%	407,918	404,815	-3,103	107	3,600	404,707	-3,000%	108	6,416	404,566	-3,000%	109	18,500	404,204	-5,000%	33	27,041	408,474
390+0,000			33	26,148	407,351	109	19,500	404,027	-5,000%	108	6,416	404,419	-3,000%	107	3,600	404,560	-3,000%	408,032	404,668	-3,364	107	3,600	404,560	-3,000%	108	6,416	404,419	-3,000%	109	18,500	404,057	-5,000%	33	27,479	408,546
391+0,000			33	26,705	407,452	109	19,500	403,849	-5,000%	108	6,416	404,242	-3,000%	107	3,600	404,383	-3,000%	408,100	404,491	-3,609	107	3,600	404,383	-3,000%	108	6,416	404,242	-3,000%	109	18,500	403,879	-5,000%	33	27,985	408,622
392+0,000			33	27,171	407,478	109	19,500	403,642	-5,000%	108	6,416	404,035	-3,000%	107	3,600	404,175	-3,000%	408,029	404,283	-3,745	107	3,600	404,175	-3,000%	108	6,416	404,035	-3,000%	109	18,500	403,672	-5,000%	33	28,448	408,646
393+0,000			33	27,590	407,449	109	19,500	403,405	-5,000%	108	6,416	403,797	-3,000%	107	3,600	403,938	-3,000%	408,058	404,046	-4,012	107	3,600	403,938	-3,000%	108	6,416	403,797	-3,000%	109	18,500	403,435	-5,000%	33	28,923	408,646
394+0,000			33	28,094	407,434	109	19,500	403,137	-5,000%	108	6,416	403,529	-3,000%	107	3,600	403,670	-3,000%	408,048	403,778	-4,269	107	3,600	403,670	-3,000%	108	6,416	403,529	-3,000%	109	18,500	403,167	-5,000%	33	29,241	408,537
395+0,000			33	28,642	407,410	109	19,500	402,839	-5,000%	108	6,416	403,231	-3,000%	107	3,600	403,372	-3,000%	407,936	403,480	-4,456	107	3,600	403,372	-3,000%	108	6,416	403,231	-3,000%	109	18,500	402,869	-5,000%	33	29,508	408,373
396+0,000			33	28,988	407,255	109	19,500	402,511	-5,000%	108	6,416	402,903	-3,000%	107	3,600	403,044	-3,000%	407,773	403,152	-4,621	107	3,600	403,044	-3,000%	108	6,416	402,903	-3,000%	109	18,500	402,541	-5,000%	33	29,013	407,797
397+0,000			33	29,347	407,076	109	19,500	402,153	-5,000%	108	6,416	402,545	-3,000%	107	3,600	402,686	-3,000%	407,503	402,794	-4,709	107	3,600	402,686	-3,000%	108	6,416	402,545	-3,000%	109	18,500	402,183	-5,000%	33	28,672	407,269
398+0,000		PTV	33	29,673	406,851	109	19,500	401,764	-5,000%	108	6,416	402,157	-3,000%	107	3,600	402,298	-3,000%	407,000	402,406	-4,594	107	3,600	402,298	-3,000%	108	6,416	402,157	-3,000%	109	18,500	401,794	-5,000%	33	27,725	406,407
399+0,000			33	29,779	406,500	109	19,500	401,361	-5,000%	108	6,416	401,753	-3,000%	107	3,600	401,894	-3,000%	406,388	402,002	-4,386	107	3,600	401,894	-3,000%	108	6,416	401,753	-3,000%	109	18,500	401,391	-5,000%	33	26,987	405,634
400+0,000			33	29,377	405,896	109	19,500	400,957	-5,000%	108	6,416	401,350	-3,000%	107	3,600	401,491	-3,000%	405,495	401,599	-3,896	107	3,600	401,491	-3,000%	108	6,416	401,350	-3,000%	109	18,500	400,987	-5,000%	33	25,987	404,731
401+0,000			33	28,853	405,231	109	19,500	400,554	-5,000%	108	6,416	400,947	-3,000%	107	3,600	401,087	-3,000%	404,568	401,195	-3,373	107	3,600	401,087	-3,000%	108	6,416	400,947	-3,000%	109	18,500	400,584	-5,000%	33	24,590	403,629
402+0,000			33	28,110	404,456	109	19,500	400,151	-5,000%	108	6,416	400,543	-3,000%	107	3,600	400,684	-3,000%	403,650	400,792	-2,858	107	3,600	400,684	-3,000%	108	6,416	400,543	-3,000%	109	18,500	400,181	-5,000%	33	23,252	402,556
403+0,000			33	27,330	403,662	109	19,500	399,747	-5,000%	108	6,416	400,140	-3,000%	107	3,600	400,280	-3,000%	402,686	400,388	-2,298	107	3,600	400,280	-3,000%	108	6,416	400,140	-3,000%	109	18,500	399,777	-5,000%	33	22,007	401,531
404+0,000			33	26,448	402,818	109	19,500	399,344	-5,000%	108	6,416	399,736	-3,000%	107	3,600	399,877	-3,000%	401,689	399,985	-1,704	107	3,600	399,877	-3,000%	108	6,416	399,736	-3,000%	109	18,500	399,374	-5,000%	33	20,932	400,590
405+0,000			33	25,487	401,934	109	19,500	398,940	-5,000%	108	6,416	399,333	-3,000%	107	3,600	399,474	-3,000%	400,713	399,582	-1,132	107	3,600	399,474	-3,000%	108	6,416	399,333	-3,000%	109	18,500	398,970	-5,000%	33	19,875	399,658
406+0,000			33	24,484	401,029	109	19,500	398,537	-5,000%	108	6,416	398,929	-3,000%	107	3,600	399,070	-3,000%	399,865	399,178	-0,687	107	3,600	399,070	-3,000%	108	6,416	398,929	-3,000%	109	18,500	398,567	-5,000%	33	18,773	398,703
407+0,000			33	8,534	399,400	109	7,600	398,467	-5,000%	108	-	-	-	107	3,600	398,667	-3,000%	399,061	398,775	-0,286	107	3,600	398,667	-3,000%	108	-	-	-	109	8,090	398,442	-5,000%	33	8,110	398,426
408+0,000			33	8,051	398,506	109	7,600	398,063	-5,000%	108	-	-	-	107	3,600	398,263	-3,000%	398,092	398,371	0,279	107	3,600	398,263	-3,000%	108	-	-	-	109	8,090	398,039	-5,000%	33	8,833	397,541
409+0,000			33	7,905	397,757	109	7,800	397,650	-5,000%	108	-	-	-	107	3,600	397,860	-3,000%	397,366	397,968	0,601	107	3,600	397,860	-3,000%	108	-	-	-	109	8,090	397,636	-5,000%	33	9,492	396,699

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM															COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM															
			Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista							Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
410+0,000			33	8,530	396,937	109	8,090	397,232	-5,00%	108	-	-	-	107	3,600	397,456	-3,00%	396,483	397,564	1,081	107	3,600	397,456	-3,00%	108	-	-	-	109	8,090	397,232	-5,00%	33	10,258	395,784
411+0,000			33	8,901	396,286	109	8,090	396,829	-5,00%	108	-	-	-	107	3,600	397,053	-3,00%	395,777	397,161	1,384	107	3,600	397,053	-3,00%	108	-	-	-	109	8,090	396,829	-5,00%	33	10,534	395,197
412+0,000			33	9,282	395,628	109	8,090	396,425	-5,00%	108	-	-	-	107	3,600	396,650	-3,00%	395,099	396,758	1,658	107	3,600	396,650	-3,00%	108	-	-	-	109	8,090	396,425	-5,00%	33	11,073	394,434
413+0,000			33	9,478	395,094	109	8,090	396,022	-5,00%	108	-	-	-	107	3,600	396,246	-3,00%	394,455	396,354	1,899	107	3,600	396,246	-3,00%	108	-	-	-	109	8,090	396,022	-5,00%	33	11,603	393,677
414+0,000			33	9,661	394,569	109	8,090	395,618	-5,00%	108	-	-	-	107	3,600	395,843	-3,00%	393,930	395,951	2,021	107	3,600	395,843	-3,00%	108	-	-	-	109	8,090	395,618	-5,00%	33	11,847	393,112
415+0,000			33	9,807	394,068	109	8,090	395,215	-5,00%	108	-	-	-	107	3,600	395,439	-3,00%	393,569	395,547	1,978	107	3,600	395,439	-3,00%	108	-	-	-	109	8,090	395,215	-5,00%	33	11,999	392,607
416+0,000			33	9,923	393,587	109	8,090	394,811	-5,00%	108	-	-	-	107	3,600	395,036	-3,00%	392,935	395,144	2,209	107	3,600	395,036	-3,00%	108	-	-	-	109	8,090	394,811	-5,00%	33	12,030	392,182
416+5,000		PCV	33	9,925	393,485	109	8,090	394,711	-5,00%	108	-	-	-	107	3,600	394,935	-3,00%	392,741	395,043	2,302	107	3,600	394,935	-3,00%	108	-	-	-	109	8,090	394,711	-5,00%	33	12,090	392,041
417+0,000			33	9,930	393,193	109	8,090	394,422	-5,00%	108	-	-	-	107	3,600	394,646	-3,00%	392,450	394,754	2,304	107	3,600	394,646	-3,00%	108	-	-	-	109	8,090	394,422	-5,00%	33	12,090	391,753
418+0,000			33	9,917	392,858	109	8,090	394,079	-5,00%	108	-	-	-	107	3,600	394,303	-3,00%	392,135	394,411	2,276	107	3,600	394,303	-3,00%	108	-	-	-	109	8,090	394,079	-5,00%	33	12,017	391,458
419+0,000			33	9,987	392,517	109	8,090	393,784	-5,00%	108	-	-	-	107	3,600	394,008	-3,00%	391,898	394,116	2,219	107	3,600	394,008	-3,00%	108	-	-	-	109	8,090	393,784	-5,00%	33	11,982	391,187
420+0,000			33	9,877	392,344	109	8,090	393,537	-5,00%	108	-	-	-	107	3,600	393,762	-3,00%	391,765	393,870	2,105	107	3,600	393,762	-3,00%	108	-	-	-	109	8,090	393,537	-5,00%	33	11,795	391,065
421+0,000			33	9,650	392,297	109	8,090	393,339	-5,00%	108	-	-	-	107	3,600	393,564	-3,00%	391,709	393,672	1,963	107	3,600	393,564	-3,00%	108	-	-	-	109	8,090	393,339	-5,00%	33	11,502	391,062
421+5,000			33	9,573	392,306	109	8,090	393,297	-5,00%	108	-	-	-	107	3,600	393,522	-3,00%	391,699	393,630	1,930	107	3,600	393,522	-3,00%	108	-	-	-	109	8,090	393,297	-5,00%	33	11,360	391,115
422+0,000			33	9,247	392,416	109	8,090	393,189	-5,00%	108	-	-	-	107	3,600	393,414	-3,00%	391,846	393,522	1,676	107	3,600	393,414	-3,00%	108	-	-	-	109	8,090	393,189	-5,00%	33	10,956	391,277
423+0,000			33	8,665	392,702	109	8,090	393,088	-5,00%	108	-	-	-	107	3,600	393,312	-3,00%	392,121	393,420	1,300	107	3,600	393,312	-3,00%	108	-	-	-	109	8,090	393,088	-5,00%	33	10,378	391,560
424+0,000			33	8,137	393,001	109	8,090	393,035	-5,00%	108	-	-	-	107	3,600	393,259	-3,00%	392,406	393,367	0,961	107	3,600	393,259	-3,00%	108	-	-	-	109	8,090	393,035	-5,00%	33	9,964	391,783
424+12,051			33	7,896	393,153	109	7,780	393,041	-5,00%	108	-	-	-	107	3,600	393,250	-3,00%	392,557	393,358	0,801	107	3,600	393,250	-3,00%	108	-	-	-	109	8,090	393,026	-5,00%	33	9,707	391,946
425+0,000			33	7,817	393,209	109	7,660	393,051	-5,00%	108	-	-	-	107	3,600	393,254	-3,00%	392,646	393,362	0,716	107	3,600	393,254	-3,00%	108	-	-	-	109	8,090	393,030	-5,00%	33	9,554	392,051
426+0,000			33	8,044	393,541	109	7,600	393,097	-5,00%	108	-	-	-	107	3,600	393,297	-3,00%	393,053	393,405	0,353	107	3,600	393,297	-3,00%	108	-	-	-	109	8,090	393,073	-5,00%	33	9,101	392,397
426+5,000		PCRV	33	8,127	393,643	109	7,600	393,116	-5,00%	108	-	-	-	107	3,600	393,316	-3,00%	393,175	393,424	0,248	107	3,600	393,316	-3,00%	108	-	-	-	109	8,090	393,091	-5,00%	33	8,954	392,513
427+0,000			33	8,292	393,855	109	7,600	393,163	-5,00%	108	-	-	-	107	3,600	393,363	-3,00%	393,322	393,471	0,149	107	3,600	393,363	-3,00%	108	-	-	-	109	7,620	393,139	-5,00%	33	8,750	392,696
428+0,000			33	8,604	394,193	109	7,600	393,189	-5,00%	108	-	-	-	107	3,600	393,389	-3,00%	393,601	393,497	-0,104	107	3,600	393,389	-3,00%	108	-	-	-	109	7,360	393,165	-5,00%	33	8,388	392,964
428+1,896			33	8,640	394,229	109	7,600	393,189	-5,00%	108	-	-	-	107	3,600	393,389	-3,00%	393,632	393,497	-0,135	107	3,600	393,389	-3,00%	108	-	-	-	109	7,600	393,165	-5,00%	33	8,345	392,992
429+0,000			33	8,871	394,442	109	7,600	393,171	-5,00%	108	-	-	-	107	3,600	393,371	-3,00%	393,779	393,479	-0,300	107	3,600	393,371	-3,00%	108	-	-	-	109	7,600	393,170	-5,00%	33	7,795	393,341
430+0,000			33	8,945	394,456	109	7,600	393,111	-5,00%	108	-	-	-	107	3,600	393,311	-3,00%	393,817	393,419	-0,398	107	3,600	393,311	-3,00%	108	-	-	-	109	7,600	393,123	-5,00%	33	7,628	393,392
431+0,000			33	9,089	394,496	109	7,600	393,007	-5,00%	108	-	-	-	107	3,600	393,207	-3,00%	393,882	393,315	-0,567	107	3,600	393,207	-3,00%	108	-	-	-	109	7,600	393,007	-5,00%	33	7,976	393,383
431+5,000			33	9,135	394,508	109	7,600	392,974	-5,00%	108	-	-	-	107	3,600	393,174	-3,00%	393,904	393,282	-0,622	107	3,600	393,174	-3,00%	108	-	-	-	109	7,600	392,974	-5,00%	33	8,005	393,379
432+0,000			33	9,181	394,441	109	7,600	392,860	-5,00%	108	-	-	-	107	3,600	393,060	-3,00%	393,873	393,168	-0,704	107	3,600	393,060	-3,00%	108	-	-	-	109	7,600	392,860	-5,00%	33	8,090	393,350
433+0,000			33	9,237	394,307	109	7,600	392,670	-5,00%	108	-	-	-	107	3,600	392,870	-3,00%	393,712	392,978	-0,734	107	3,600	392,870	-3,00%	108	-	-	-	109	7,600	392,670	-5,00%	33	8,097	393,167
434+0,000			33	9,354	394,191	109	7,600	392,437	-5,00%	108	-	-	-	107	3,600	392,637	-3,00%	393,539	392,745	-0,794	107	3,600	392,637	-3,00%	108	-	-	-	109	7,600	392,437	-5,00%	33	8,130	392,967
435+0,000			33	9,393	393,954	109	7,600	392,161	-5,00%	108	-	-	-	107	3,600	392,361	-3,00%	393,202	392,469	-0,733	107	3,600	392,361	-3,00%	108	-	-	-	109	7,600	392,161	-5,00%	33	8,195	392,756
436+0,000			33	9,434	393,675	109	7,600	391,841	-5,00%	108	-	-	-	107	3,600	392,041	-3,00%	393,017	392,149	-0,868	107	3,600	392,041	-3,00%	108	-	-	-	109	7,600	391,841	-5,00%	33	8,301	392,542
436+5,000		PTV	33	9,449	393,604	109	7,600	391,755	-5,00%	108	-	-	-	107	3,600	391,955	-3,00%	392,997	392,063	-0,935	107	3,600	391,955	-3,00%	108	-	-	-	109	7,600	391,755	-5,00%	33	8,321	392,476
437+0,000			33	9,515	393,406	109	7,600	391,491	-5,00%	108	-	-	-	107	3,600	391,691	-3,00%	392,808	391,799	-1,009	107	3,600	391,691	-3,00%	108	-	-	-	109	7,600	391,491	-5,00%	33	8,444	392,335
438+0,000			33	9,420	392,959	109	7,600	391,139	-5,00%	108	-	-	-	107	3,600	391,339	-3,00%	392,523	391,447	-1,076	107	3,600	391,339	-3,00%	108	-	-	-	109	7,600	391,139	-5,00%	33	8,297	391,836
439+0,000			33	9,605	392,792	109	7,600	390,787	-5,00%	108	-	-	-	107	3,600	390,987	-3,00%	391,996	391,095	-0,901	107	3,600	390,987	-3,00%	108	-	-	-	109	7,600	390,787	-5,00%	33	8,197	391,384
440+0,000			33	9,303	392,139	109	7,600	390,436	-5,00%	108	-	-	-	107	3,600	390,636	-3,00%	391,393	390,744	-0,650	107	3,600	390,636	-3,00%	108	-	-	-	109	7,600	390,436	-5,00%	33	8,008	390,844
441+0,000			33	9,064	391,548	109	7,600	390,084	-5,00%	108	-	-	-	107	3,600	390,284	-3,00%	390,930	390,392	-0,539	107	3,600	390,284	-3,00%	108	-	-	-	109	7,600	390,084	-5,00%	33	7,887	390,371
442+0,000			33	8,863	390,995	109	7,600	389,732	-5,00%	108	-	-	-	107	3,600	389,932	-3,00%	390,376	390,040	-0,336	107	3,600	389,932	-3,00%	108	-	-	-	109	7,570	389,733	-5,00%	33	7,762	389,924
443+0,000			33	8,724	390,504	109	7,600	389,380	-5,00%	108	-	-	-	107	3,600	389,580	-3,00%	389,810	389,688	-0,122	107	3,600	389,580	-3,00%	108	-	-	-	109	8,090	389,356	-5,00%	33	8,122	389,332
443+5,000		PCV	33	8,664	390,357	109	7,600	389,292	-5,00%	108	-	-	-	107	3,600	389,492	-3,00%	389,675	389,600	-0,074	107	3,600	389,492	-3,00%	108	-	-	-	109	8,090	389,268	-5,00%	33	8,206	389,188
444+0,000			33	8,390	389,825	109	7,600	389,035	-5,00%	108	-	-	-	107	3,600	389,235	-3,00%	389,229	389,343	0,114	107	3,600	389,235	-3,00%	108	-	-	-	109	8,090	389,010	-5,00%	33	8,393	388,806
445+0,000			33	8,093	389,204	109	7,600	388,710	-5,00%	108	-	-	-	107	3,600	388,910	-3,00%	388,925	389,018	0,093	107	3,600	388,910	-3,00%	108	-	-	-	109	8,090	388,686	-5,00%	33	8,602	388,343
446+0,000			33	8,063	388,872	109	7,600	388,408	-5,00%	108	-	-	-	107	3,600	388,608	-3,00%	388,362	388,716	0,354	107	3,600	388,608	-3,00%	108	-	-	-	109	8,090	388,384	-5,00%	33	8,858	387,870
447+0,000			33	7,749	388,329	109	7,550	388,131	-5,00%	108	-	-	-	107	3,600	388,328	-3,00%	387,884	388,436	0,552	107	3,600	388,328	-3,00%	108	-	-	-	109	8,090	388,104	-5,00%	33	9,153	387,393
448+0,000			33	8,003	387,901	109	7,950	387,852	-5,00%	108	-	-	-	107	3,600	388,070	-3,00%	387,488	388,178	0,691	107	3,600	388,070	-3,00%	108	-	-	-	109	8,090	387,846	-5,00%	33	9,435	386,947
448+5,000			33	8,053	387,804	109	8,040	387,787	-5,00%	108	-	-	-	107	3,600	388,000	-3,00%	387,387	388,117	0,730	107	3,600	388,009	-3,00%	108	-	-	-	109	8,090	387,785	-5,00%	33	9,509	386,836
449+0,000			33	8,210	387,527	109	8,090	387,610	-5,00%	108	-	-	-	107	3,600	387,834	-3,00%	387,050	387,942	0,892	107	3,600	387,834	-3,00%	108	-	-	-	109	8,090	387,610	-5,00%	33	9,745	386,504
450+0,000			33	8,450	387,153	109	8,090	387,396	-5,00%	108	-	-	-	107	3,600	387,620	-3,00%	386,629	387,728	1,100	107	3,600	387,620	-3,00%	108	-	-	-	109	8,090	387,396	-5,00%	33	10,001	386,120
451+0,000			33	8,813	386,720	109	8,090	387,204	-5,00%	108	-	-	-	107	3,600	387,428	-3,00%	386,144	387,536	1,392	107	3,600	387,428	-3,00%	108	-	-	-	109	8,090	387,204	-5,00%	33	10,311	385,721
452+0,000			33	9,209	386,286	109	8,090	387,034	-5,00%	108	-	-	-	107	3,600	387,258	-3,00%	385,751	387,366	1,616	107	3,600	387,258	-3,00%	108	-	-	-	109	8,090	387,034	-5,00%	33	10,651	385,325
453+0,000			33	9,527	385,926	109	8,090	386,886	-5,00%	108	-	-	-	107	3,600	387,111	-3,00%	385,431	387,219	1,788	107	3,600	387,111	-3,00%	108	-	-	-	109	8,090	386,886	-5,00%	33	11,007	384,939
453+5,000		PTV	33	9,614	385,834	109	8,090	386,853	-5,00%	108	-	-	-	107	3,600	387,077	-3,00%	385,352	387,185	1,833	107	3,600	387,077	-3,00%	108	-	-	-	109	8,090	386,853	-5,00%	33	11,103	384,842
454+0,000			33	9,775	385,628	109	8,090	386,754	-5,00%	108	-	-	-	107	3,600	386,979	-3,00%	385,286	387,087	1,800	107	3,600	386,979	-3,00%	108	-	-	-	109	8,090	386,754	-5,00%	33	11,441	384,518
455+0,000			33	9,742	385,519	109	8,090	386,623	-5,00%	108	-	-	-	107	3,600	386,847	-3,00%	385,265	386,955	1,690	107	3,600	386,847	-3,00%	108	-	-	-	109	8,090	386,623	-5,00%	33	11,904	384,078
456+0,000			33	9,560	385,510	109	8,090	386,492	-5,00%	108	-	-	-	107	3,600	386,716	-3,00%	385,282	386,824	1,542	107	3,600	386,716	-3,00%	108	-	-	-	109	8,090	386,492	-5,00%	33	11,536	384,192
457+0,000			33	9,094	385,689	109	8,090	386,360	-5,00%	108	-	-	-	107	3,600	386,585	-3,00%	385,142	386,693	1,551	107	3,600	386,585	-3,00%	108	-	-	-	109	8,090	386,360	-5,00%	33	11,039	384,392
458+0,000			33	8,685	385,830	109	8,090	386,229	-5,00%	108	-	-	-	107	3,600	386,453	-3,00%	385,224	386,561	1,338	107	3,600	386,453	-3,00%	108	-	-	-	109	8,090	386,229	-5,00%	33	10,513	384,611
459+0,000			33	8,050	386,122	109	8,090	386,098	-5,00%	108	-	-	-	107	3,600	386,322	-3,00%	385,584	386,430	0,847	107	3,600	386,322	-3,00%	108	-	-	-	109	8,090	386,098	-5,00%	33	9,579	385,103
460+0,000			33	7,811	386,432	109	8,090	385,967	-5,00%	108	-	-	-	107	3,600	386,191	-3,00%	386,046	386,299	0,253	107	3,600	386,191	-3,00%	108	-	-	-	109	8,090	385,967	-5,00%	33	8,469	385,711
461+0,000			33	8,783	387,042	109	7,600	385,860	-5,00%	108	-	-	-	107	3,600	386,060	-3,00%	386,599	386,168	-0,431	107	3,600	386,060	-3,00%	108	-	-	-	109	7,600	385,860	-5,00%	33	7,996	386,255
462+0,000			33	21,978	388,255	109	17,100	385,467	-5,00%	108	6,416	385,788	-3,00%	107	3,600	385,928	-3,00%	387,208	386,036	-1,172	107	3,600	385,928	-3,00%	108	6,416	385,788	-3,00%	109	21,600	385,332	-5,00%	33	23,267	386,285
462+9,010			33	22,623	388,564	109	17,100	385,408	-5,00%	108	6,416	385,728	-3,00%	107	3,600	385,869	-3,00%	387,502	385,977	-1,524	107	3,600	385,869	-3,00%	108	6,416	385,728	-3,00%	109	21,600	385,273	-5,00%	33	23,862	386,565
463+0,000			33	23,409	388,941	109	17,100	385,336	-5,00%	108	6,416	385,656	-3,00%	107	3,600	385,797	-3,00%	387,880	385,905	-1,975	107	3,600	385,797	-3,00%	108	6,416	385,656	-3,00%	109	21,600	385,201	-5,00%	33	24,587	386,908
464+0,000			33	24,847	389,631	109	17,100	385,204	-5,00%	108	6,416	385,525	-3,00%	107	3,600	385,666	-3,00%	388,582	385,774	-2,808	107	3,600	385,666	-3,00%	108	6,416	385,525	-3,00%	109	21,600	385,069	-5,00%	33	25,882	387,516
465+0,000			33	26,330	390,347	109	17,100	385,073	-5,00%	108	6,416	385,394	-3,00%	107	3,600	385,534	-3,00%	389,267	385,642	-3,624	107	3,600	385,534	-3,00%	108	6,416	385,394	-3,00%	109	21,600	384,938	-5,00%	33	27,179	388,126
465+5,000		PCV	33	26,635	390,489	109	17,100	385,040	-5,00%	108	6,416	385,361	-3,00%	107	3,600	385,502	-3,00%	389,435	385,610	-3,825	107	3,600	385,502	-3,00%	108	6,416	385,361	-3,00%	109	21,600	384,905	-5,00%	33	27,503	388,278
466+0,000			33	27,396	390,817	109	17,100	384,933	-5,00%	108	6,416	385,254	-3,00%	107	3,600	385,395	-3,00%	389,855	385,503	-4,352	107	3,600	385,395	-3,00%	108	6,416	385,254	-3,00%	109	21,600	384,798	-5,00%	33	28,238	388,592
466+19,333			33	28,483	391,276	109	17,100	384,771	-5,00%	108	6,416	385,092	-3,00%	107	3,600	385,232	-3,00%	390,219	385,340	-4,879	107	3,600	385,232	-3,00%	108	6,416	385,092	-3,00%	109	21,600	384,636	-5,00%	33	29,207	388,983
467+0,000			33	28,523	391,292	109	17,100	384,765	-5,00%	108	6,416	385,085	-3,00%	107	3,600	385,226	-3,00%	390,229	385,334	-4,895	107	3,600	385,226	-3,00%	108	6,416	385,085	-3,00%	109	21,600	384,630	-5,00%	33	29,241	388,996

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — BR-158/262-MS

ESTACA	Elementos do Projeto: Planta	Elementos do Projeto: Perfil	LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM – Talude: P.	Dist.	Cota	Fim da plataforma: P.	Dist.	Cota	Decliv.	Início do alargamento de corte: P.	Dist.	Cota	Decliv.	Bordo da pista: P.	Dist.	Cota	Decliv.	COTAS DE EIXO: Terreno Natural	Terraplenagem	Cota vermelha	LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM – Bordo da pista: P.	Dist.	Cota	Cota	Início do alargamento de corte: P.	Dist.	Cota	Decliv.	Fim da plataforma: P.	Dist.	Cota	Cota	Talude: P.	Dist.	Cota
468+0,000			33	- 29,065	391,404	109	- 17,100	384,567	-5,00%	108	- 6,416	384,887	-3,00%	107	- 3,600	385,028	-3,00%	390,394	385,136	-5,258	107	3,600	385,028	-3,00%	108	6,416	384,887	-3,00%	109	21,600	384,432	-5,00%	33	29,646	389,029
469+0,000			33	- 29,426	391,382	109	- 17,100	384,339	-5,00%	108	- 6,416	384,659	-3,00%	107	- 3,600	384,800	-3,00%	390,240	384,908	-5,332	107	3,600	384,800	-3,00%	108	6,416	384,659	-3,00%	109	21,600	384,204	-5,00%	33	29,871	388,930
470+0,000			33	- 28,912	390,831	109	- 17,100	384,081	-5,00%	108	- 6,416	384,401	-3,00%	107	- 3,600	384,542	-3,00%	389,879	384,650	-5,229	107	3,600	384,542	-3,00%	108	6,416	384,401	-3,00%	109	21,600	383,946	-5,00%	33	29,883	388,679
471+0,000			33	- 28,436	390,271	109	- 17,100	383,793	-5,00%	108	- 6,416	384,114	-3,00%	107	- 3,600	384,254	-3,00%	389,318	384,362	-4,956	107	3,600	384,254	-3,00%	108	6,416	384,114	-3,00%	109	21,600	383,658	-5,00%	33	29,420	388,127
472+0,000			33	- 27,537	389,440	109	- 17,100	383,476	-5,00%	108	- 6,416	383,796	-3,00%	107	- 3,600	383,937	-3,00%	388,539	384,045	-4,494	107	3,600	383,937	-3,00%	108	6,416	383,796	-3,00%	109	21,600	383,341	-5,00%	33	28,836	387,476
472+5,000			33	- 27,306	389,224	109	- 17,100	383,392	-5,00%	108	- 6,416	383,712	-3,00%	107	- 3,600	383,853	-3,00%	388,330	383,961	-4,369	107	3,600	383,853	-3,00%	108	6,416	383,712	-3,00%	109	21,600	383,257	-5,00%	33	28,636	387,277
473+0,000			33	- 26,636	388,578	109	- 17,100	383,129	-5,00%	108	- 6,416	383,449	-3,00%	107	- 3,600	383,590	-3,00%	387,671	383,698	-3,973	107	3,600	383,590	-3,00%	108	6,416	383,449	-3,00%	109	21,600	382,994	-5,00%	33	28,058	386,684
473+14,817	TE		33	- 25,816	387,833	109	- 17,100	382,852	-5,00%	108	- 6,416	383,173	-3,00%	107	- 3,600	383,314	-3,00%	387,026	383,422	-3,605	107	3,600	383,314	-3,00%	108	6,416	383,173	-3,00%	109	21,600	382,717	-5,00%	33	27,451	386,061
474+0,000			33	- 25,532	387,570	109	- 17,100	382,752	-5,00%	108	- 6,416	383,072	-3,00%	107	- 3,600	383,213	-3,00%	386,803	383,321	-3,482	107	3,600	383,213	-3,00%	108	6,416	383,072	-3,00%	109	21,600	382,617	-5,00%	33	27,208	385,821
475+0,000			33	- 24,499	386,573	109	- 17,100	382,345	-5,00%	108	- 6,416	382,665	-3,00%	107	- 3,600	382,806	-3,00%	385,818	382,914	-2,903	107	3,600	382,806	-3,00%	108	6,416	382,665	-3,00%	109	21,600	382,210	-5,00%	33	26,307	384,900
476+0,000			33	- 23,504	385,568	109	- 17,100	381,908	-5,00%	108	- 6,416	382,229	-3,00%	107	- 3,600	382,370	-3,00%	384,810	382,478	-2,332	107	3,600	382,370	-3,00%	108	6,416	382,229	-3,00%	109	21,600	381,773	-5,00%	33	25,454	383,976
477+0,000			33	- 22,570	384,568	109	- 17,100	381,442	-5,00%	108	- 6,416	381,763	-3,00%	107	- 3,600	381,903	-3,00%	383,833	382,011	-1,821	107	3,600	381,903	-3,00%	108	6,416	381,763	-3,00%	109	21,600	381,307	-5,00%	33	24,600	383,022
478+0,000			33	- 9,486	383,093	109	- 7,630	381,237	-5,00%	108	-	-	-	107	- 3,600	381,407	-3,00%	382,851	381,515	-1,336	107	3,600	381,407	-3,00%	108	-	-	-	109	7,600	381,207	-5,00%	33	8,988	382,596
478+5,139			33	- 9,346	382,821	109	- 7,630	381,104	-5,00%	108	-	-	-	107	- 3,600	381,275	-3,00%	382,599	381,383	-1,216	107	3,600	381,275	-3,00%	108	-	-	-	109	7,600	381,075	-5,00%	33	8,857	382,332
479+0,000			33	- 9,124	382,214	109	- 7,630	380,719	-4,67%	108	-	-	-	107	- 3,600	380,882	-3,00%	381,909	380,990	-0,920	107	3,600	380,882	-3,00%	108	-	-	-	109	7,600	380,694	-4,67%	33	8,524	381,614
479+5,000		PTV	33	- 9,075	382,031	109	- 7,600	380,556	-4,56%	108	-	-	-	107	- 3,600	380,745	-3,00%	381,679	380,853	-0,826	107	3,600	380,745	-3,00%	108	-	-	-	109	7,600	380,556	-4,56%	33	8,417	381,374
480+0,000			33	- 8,660	381,213	109	- 7,630	380,183	-4,23%	108	-	-	-	107	- 3,600	380,334	-3,00%	381,015	380,442	-0,572	107	3,600	380,334	-3,00%	108	-	-	-	109	7,610	380,165	-4,23%	33	8,102	380,655
480+10,300			33	- 8,342	380,619	109	- 7,630	379,906	-4,00%	108	-	-	-	107	- 3,600	380,052	-3,00%	380,250	380,160	-0,090	107	3,600	380,052	-3,00%	108	-	-	-	109	8,050	379,874	-4,00%	33	8,706	379,439
480+14,817	EC		33	- 8,210	380,362	109	- 7,630	379,780	-3,90%	108	-	-	-	107	- 3,600	379,925	-3,10%	380,210	380,036	-0,174	107	3,600	379,925	-3,10%	108	-	-	-	109	8,050	379,751	-3,90%	33	8,792	379,258
481+0,000			33	- 8,178	380,188	109	- 7,630	379,638	-3,90%	108	-	-	-	107	- 3,600	379,783	-3,10%	379,351	379,894	0,543	107	3,600	379,783	-3,10%	108	-	-	-	109	8,050	379,609	-3,90%	33	8,701	379,176
481+4,605			OAE - EST.481+4,605 a EST.485+4,605																																
481+9,158																																			
482+0,000																																			
483+0,000																																			
484+0,000																																			
484+19,481																																			
485+0,000																																			
485+4,605																																			
485+9,795			33	- 8,644	376,753	109	- 8,050	377,148	-3,88%	108	-	-	-	107	- 3,600	377,321	-3,10%	376,428	377,433	1,005	107	3,600	377,321	-3,10%	108	-	-	-	109	8,050	377,148	-3,88%	33	9,498	376,183
486+0,000			33	- 8,754	376,400	109	- 8,050	376,868	-3,90%	108	-	-	-	107	- 3,600	377,042	-3,10%	376,102	377,153	1,051	107	3,600	377,042	-3,10%	108	-	-	-	109	8,050	376,868	-3,90%	33	9,687	375,778
487+0,000			33	- 8,915	375,745	109	- 8,050	376,320	-3,90%	108	-	-	-	107	- 3,600	376,493	-3,10%	375,434	376,605	1,171	107	3,600	376,493	-3,10%	108	-	-	-	109	8,050	376,320	-3,90%	33	9,666	375,244
487+10,000		PCV	33	- 9,003	375,412	109	- 8,050	376,046	-3,90%	108	-	-	-	107	- 3,600	376,219	-3,10%	375,091	376,331	1,239	107	3,600	376,219	-3,10%	108	-	-	-	109	8,050	376,046	-3,90%	33	9,832	374,859
488+0,000			33	- 9,209	374,995	109	- 8,050	375,767	-3,90%	108	-	-	-	107	- 3,600	375,940	-3,10%	374,735	376,052	1,317	107	3,600	375,940	-3,10%	108	-	-	-	109	8,050	375,767	-3,90%	33	10,060	374,427
489+0,000			33	- 9,271	374,365	109	- 8,050	375,177	-3,90%	108	-	-	-	107	- 3,600	375,351	-3,10%	373,999	375,463	1,464	107	3,600	375,351	-3,10%	108	-	-	-	109	8,050	375,177	-3,90%	33	10,384	373,623
490+0,000			33	- 9,223	373,767	109	- 8,050	374,547	-3,90%	108	-	-	-	107	- 3,600	374,721	-3,10%	373,374	374,833	1,459	107	3,600	374,721	-3,10%	108	-	-	-	109	8,050	374,547	-3,90%	33	10,422	372,967
490+10,000		PTV	33	- 9,195	373,455	109	- 8,050	374,217	-3,90%	108	-	-	-	107	- 3,600	374,391	-3,10%	373,088	374,502	1,414	107	3,600	374,391	-3,10%	108	-	-	-	109	8,050	374,217	-3,90%	33	10,363	372,676
491+0,000			33	- 9,169	373,137	109	- 8,050	373,882	-3,90%	108	-	-	-	107	- 3,600	374,055	-3,10%	372,788	374,167	1,379	107	3,600	374,055	-3,10%	108	-	-	-	109	8,050	373,882	-3,90%	33	10,274	372,400
492+0,000			33	- 9,064	372,536	109	- 8,050	373,211	-3,90%	108	-	-	-	107	- 3,600	373,384	-3,10%	372,157	373,496	1,339	107	3,600	373,384	-3,10%	108	-	-	-	109	8,050	373,211	-3,90%	33	10,196	371,781
493+0,000			33	- 9,036	371,883	109	- 8,050	372,540	-3,90%	108	-	-	-	107	- 3,600	372,713	-3,10%	371,546	372,825	1,279	107	3,600	372,713	-3,10%	108	-	-	-	109	8,050	372,540	-3,90%	33	10,008	371,236
493+11,476			33	- 9,010	371,516	109	- 8,050	372,155	-3,90%	108	-	-	-	107	- 3,600	372,328	-3,10%	371,206	372,440	1,234	107	3,600	372,328	-3,10%	108	-	-	-	109	8,050	372,155	-3,90%	33	9,945	370,893
494+0,000			33	- 8,988	371,264	109	- 8,030	371,905	-3,10%	108	-	-	-	107	- 3,600	372,043	-3,10%	370,956	372,154	1,198	107	3,600	372,043	-3,10%	108	-	-	-	109	8,050	371,869	-3,90%	33	9,923	370,621
495+0,000			33	- 8,811	370,735	109	- 8,060	371,233	-3,10%	108	-	-	-	107	- 3,600	371,372	-3,10%	370,221	371,483	1,262	107	3,600	371,372	-3,10%	108	-	-	-	109	8,050	371,198	-3,90%	33	9,866	369,989
495+5,955			33	- 9,006	370,596	109	- 8,360	371,024	-3,10%	108	-	-	-	107	- 3,600	371,172	-3,10%	369,981	371,283	1,302	107	3,600	371,172	-3,10%	108	-	-	-	109	8,050	370,998	-3,90%	33	9,868	369,787
496+0,000			33	- 9,679	370,145	109	- 9,100	370,530	-3,10%	108	-	-	-	107	- 3,600	370,701	-3,10%	369,685	370,812	1,127	107	3,600	370,701	-3,10%	108	-	-	-	109	8,050	370,547	-3,10%	33	9,775	369,398
496+8,097			33	- 10,094	369,878	109	- 9,540	370,245	-3,10%	108	-	-	-	107	- 3,600	370,429	-3,10%	369,500	370,541	1,041	107	3,600	370,429	-3,10%	108	-	-	-	109	8,030	370,292	-3,10%	33	9,704	369,174
497+0,000			33	- 10,561	369,597	109	- 10,220	369,825	-3,10%	108	-	-	-	107	- 3,600	370,030	-3,10%	369,211	370,141	0,930	107	3,600	370,030	-3,10%	108	-	-	-	109	8,690	369,856	-3,10%	33	10,394	368,721
497+1,878			33	- 10,635	369,553	109	- 10,330	369,758	-3,10%	108	-	-	-	107	- 3,600	369,967	-3,10%	369,165	370,078	0,913	107	3,600	369,967	-3,10%	108	-	-	-	109	8,760	369,807	-3,10%	33	10,501	369,648
498+0,000			33	- 10,527	369,017	109	- 10,330	369,150	-3,10%	108	-	-	-	107	- 3,600	369,359	-3,10%	368,722	369,470	0,748	107	3,600	369,359	-3,10%	108	-	-	-	109	9,670	369,155	-3,10%	33	11,124	368,186
498+8,028			33	- 10,490	368,773	109	- 10,330	368,881	-3,10%	108	-	-	-	107	- 3,600	369,090	-3,10%	368,509	369,201	0,692	107	3,600	369,090	-3,10%	108	-	-	-	109	10,010	369,891	-3,10%	33	11,319	366,017
498+14,975		PCV	33	- 10,456	368,583	109	- 10,360	368,647	-3,10%	108	-	-	-	107	- 3,600	368,857	-3,10%	368,276	368,968	0,692	107	3,600	368,857	-3,10%	108	-	-	-	109	10,300	368,649	-3,10%	33	11,559	367,812
498+15,640			33	- 10,454	368,565	109	- 10,360	368,625	-3,10%	108	-	-	-	107	- 3,600	368,834	-3,10%	368,254	368,946	0,692	107	3,600	368,834	-3,10%	108	-	-	-	109	10,330	368,626	-3,10%	33	11,576	367,793
499+0,000			33	- 10,449	368,451	109	- 10,400	368,482	-3,10%	108	-	-	-	107	- 3,600	368,693	-3,10%	368,108	368,805	0,697	107	3,600	368,693	-3,10%	108	-	-	-	109	10,330	368,484	-3,10%	33	11,540	367,676
500+0,000			33	- 10,720	367,960	109	- 10,680	367,923	-3,10%	108	-	-	-	107	- 3,600	368,142	-3,10%	367,567	368,254	0,686	107	3,600	368,142	-3,10%	108	-	-	-	109	10,330	367,934	-3,10%	33	11,602	367,084
500+1,410			33	- 10,778	367,929	109	- 10,740	367,888	-3,10%	108	-	-	-	107	- 3,600	368,109	-3,10%	367,533	368,221	0,688	107	3,600	368,109	-3,10%	108	-	-	-	109	10,330	367,901	-3,10%	33	11,618	367,040
501+0,000			33	- 12,550	367,381	109	- 12,400	367,478	-3,10%	108	-	-	-	107	- 3,600	367,751	-3,10%	366,998	367,863	0,865	107	3,600	367,751	-3,10%	108	-	-	-	109	10,990	367,506	-3,10%	33	12,522	366,483
502+0,000			33	- 15,370	367,086	109	- 15,260	367,158	-3,10%	108	-	-	-	107	- 3,600	367,520	-3,10%	366,567	367,631	1,064	107	3,600	367,520	-3,10%	108	-	-	-	109	12,460	367,245	-3,10%	33	14,387	365,962
502+10,665			33	- 17,590	366,928	109	- 17,430	367,033	-3,10%	108	-	-	-	107	- 3,600	367,462	-3,10%	366,344	367,573	1,229	107	3,608	367,461	-3,10%	108	-	-	-	109	14,190	367,133	-3,10%	33	16,250	365,760
502+12,130			33	- 6,100	366,503	109	- 6,100	367,360	-3,10%	108	-	-	-	107	- 3,600	367,457	-3,10%	366,302	367,569	1,267	107	3,600	367,457	-3,10%	108	-	-	-	109	14,480	367,120	-3,10%	33	16,565	365,730
502+18,949			33	- 6,100	366,325	109	- 6,100	367,351	-3,90%	108	-	-	-	107	- 3,600	367,448	-3,10%	366,107	367,560	1,453	107	3,600	367,448	-3,10%	108	-	-	-	109	16,010	367,063	-3,10%	33	18,227	365,584
503+0,000			33	- 6,100	366,298	109	- 6,100	367,351	-3,90%	108	-	-	-	107	- 3,600	367,448	-3,10%	366,077	367,560	1,483	107	3,600	367,448	-3,10%	108	-	-	-	109	16,270	367,055	-3,10%	33	18,512	365,561
503+7,531			33	- 8,506	366,201	109	- 8,500	367,289	-3,90%	108	-	-	-	107	- 3,600	367,463	-3,10%	365,872	367,574	1,702	107	3,600	367,463	-3,10%	108	-	-	-	109	18,120	367,013	-3,10%	33	20,584	365,370
503+8,521			33	- 8,650	366,183	109	- 8,050	367,293	-3,90%	108	-	-	-	107	- 3,600	367,466	-3,10%	365,852	367,578	1,726	107	3,600	367,466	-3,10%	108	-	-	-	109	18,390	367,008	-3,10%	33	20,906	365,332
503+10,349			33	- 8,919	366,154	109	- 8,050	367,300	-3,90%	108	-	-	-	107	- 3,600	367,474	-3,10%	365,816	367,586	1,770	107	3,600	367,474	-3,10%	108	-	-	-	109	6,100	367,376	-3,10%	33	6,100	365,587
503+17,463			33	- 9,998	366,045	109	- 8,050	367,343	-3,90%	108	-	-	-	107	- 3,600	367,517	-3,10%	365,675	367,628	1,953	107	3,600	367,516	-3,10%	108	-	-	-	109	7,990	367,345	-3,90%	33	7,989	365,372
504+0,000			33	- 10,102	365,996	109	- 8,050	367,363	-3,90%	108	-	-	-	107	- 3,600	367,537	-3,10%	365,625	367,648	2,023	107	3,600	367,537	-3,10%	108	-	-	-	109	8,050	367,363	-3,90%	33	8,445	365,303
505+0,000			33	- 11,253	365,477	109	- 8,030	367,627	-3,90%	108	-	-	-	107	- 3,600	367,785	-3,10%	365,166	367,896	2,730	107	3,600	367,785	-3,10%	108	-	-	-	109	8,050	367,611	-3,90%	33	12,387	364,721
505+16,920			33	- 12,281	365,126	109	- 8,050	367,946	-3,90%	108	-	-	-	107	- 3,600	368,119	-3,10%	364,794	368,231	3,437	107	3,600	369,119	-3,10%	108	-	-	-	109	8,050	367,946	-3,90%	33	13,503	364,312
506+0,000			33	- 12,447	365,089	109	- 8,030	368,035	-3,90%	108	-	-	-	107	- 3,600	368,192	-3,10%	364,733	368,304	3,572	107	3,600	368,192	-3,10%	108	-	-	-	109	8,050	368,019	-3,90%	33	13,715	364,244
507+0,000			33	- 13,635	364,865	109	- 8,030	368,603	-3,90%	108	-	-	-	107	- 3,600	368,760	-3,10%	364,319	368,872	4,553	107	3,600	368,760	-3,10%	108	-	-	-	109	8,050	368,587	-3,90%	33	15,168	363,842
507+4,975		PTV	33	- 13,997	364,789	109	- 8,050	368,753	-3,90%	108	-	-	-	107	- 3,600	368,926	-3,10%	364,214	369,038	4,824	107	3,600	368,926	-3,10%	108	-	-	-	109	8,050	368,753	-3,90%	33	15,569	363,741
508+0,000			33	- 15,159	364,531	109	- 8,050	369,269	-3,90%	108	-	-	-	107	- 3,600	369,443	-3,10%	363,956	369,554	5,598	107	3,600	369,443	-3,10%	108	-	-	-	109	8,050	369,269	-3,90%	33	16,834	363,414

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		BR-158/262-MS																																
ESTACA			LADO ESQUERDO - PLATAFORMA DE TERRAPLENAGEM															COTAS DE EIXO			LADO DIREITO - PLATAFORMA DE TERRAPLENAGEM														
			Talude			Fim da plataforma				Início do alargamento de corte				Bordo da pista				Terreno Natural	Terraplenagem	Cota vermelha	Bordo da pista				Início do alargamento de corte				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
508+5,000		PCV	33	- 15,541	364,448	109	- 8,050	369,441	-3,90%	108	-	-	-	107	- 3,600	369,614	-3,10%	363,875	369,726	5,851	107	3,600	369,614	-3,10%	108	-	-	-	109	8,050	369,441	-3,90%	33	17,266	363,298
509+0,000			33	- 16,632	364,199	109	- 8,050	369,919	-3,90%	108	-	-	-	107	- 3,600	370,093	-3,10%	363,602	370,205	6,603	107	3,600	370,093	-3,10%	108	-	-	-	109	8,050	369,919	-3,90%	33	13,692	363,116
509+14,174			33	- 17,467	364,027	109	- 8,050	370,304	-3,90%	108	-	-	-	107	- 3,600	370,477	-3,10%	363,399	370,589	7,190	107	3,600	370,477	-3,10%	108	-	-	-	109	8,050	370,304	-3,90%	33	8,449	363,026
510+0,000			33	- 17,822	363,929	109	- 8,050	370,443	-3,90%	108	-	-	-	107	- 3,600	370,616	-3,10%	363,336	370,728	7,392	107	3,600	370,616	-3,10%	108	-	-	-	109	6,100	370,519	-3,90%	33	6,100	363,021
510+1,931			33	- 17,936	363,897	109	- 8,050	370,486	-3,90%	108	-	-	-	107	- 3,600	370,660	-3,10%	363,315	370,771	7,456	107	3,600	370,660	-3,10%	108	-	-	-	109	6,100	370,562	-3,90%	33	6,100	363,000
510+5,273			33	- 16,365	363,751	109	- 8,050	370,559	-3,90%	108	-	-	-	107	- 3,600	370,732	-3,10%	363,280	370,844	7,564	107	3,600	370,732	-3,10%	108	-	-	-	109	18,460	370,272	-3,90%	33	40,220	361,901
511+0,000			33	- 10,406	363,316	109	- 8,050	370,835	-3,90%	108	-	-	-	107	- 3,600	371,008	-3,10%	362,997	371,120	8,123	107	3,600	371,008	-3,10%	108	-	-	-	109	12,860	370,721	-3,10%	33	35,460	361,785
511+5,000			33	- 8,810	363,189	109	- 8,050	370,912	-3,90%	108	-	-	-	107	- 3,600	371,086	-3,10%	362,898	371,197	8,300	107	3,600	371,086	-3,10%	108	-	-	-	109	11,850	370,830	-3,10%	33	34,708	361,724
511+5,956			33	- 8,534	363,166	109	- 8,050	370,926	-3,90%	108	-	-	-	107	- 3,600	371,100	-3,10%	362,879	371,211	8,332	107	3,600	371,100	-3,10%	108	-	-	-	109	11,670	370,849	-3,10%	33	34,579	361,713
511+11,575			33	- 6,100	362,987	109	- 6,100	371,078	-3,90%	108	-	-	-	107	- 3,600	371,175	-3,10%	362,793	371,287	8,494	107	3,600	371,175	-3,10%	108	-	-	-	109	10,800	370,952	-3,10%	33	33,976	361,633
511+15,486			33	- 32,736	363,925	109	- 17,850	370,780	-3,10%	108	-	-	-	107	- 3,600	371,222	-3,10%	362,735	371,333	8,598	107	3,600	371,222	-3,10%	108	-	-	-	109	10,330	371,013	-3,10%	33	33,696	361,570
512+0,000			33	- 32,233	363,843	109	- 17,120	370,850	-3,10%	108	-	-	-	107	- 3,600	371,269	-3,10%	362,669	371,381	8,712	107	3,600	371,269	-3,10%	108	-	-	-	109	9,940	371,073	-3,10%	33	33,508	361,494
512+8,324			33	- 29,438	363,620	109	- 13,730	371,025	-3,10%	108	-	-	-	107	- 3,600	371,339	-3,10%	362,546	371,451	8,905	107	3,600	371,339	-3,10%	108	-	-	-	109	9,630	371,152	-3,10%	33	33,530	361,350
513+0,000			33	- 31,618	363,645	109	- 11,140	371,165	-3,10%	108	-	-	-	107	- 3,600	371,399	-3,10%	362,338	371,510	9,172	107	3,600	371,399	-3,10%	108	-	-	-	109	9,630	371,212	-3,10%	33	33,560	361,390
513+9,758			33	- 30,811	363,549	109	- 10,120	371,212	-3,10%	108	-	-	-	107	- 3,600	371,414	-3,10%	362,121	371,526	9,405	107	3,600	371,414	-3,10%	108	-	-	-	109	9,630	371,228	-3,10%	33	33,658	361,340
513+14,464			33	- 30,954	363,217	109	- 9,760	371,220	-3,10%	108	-	-	-	107	- 3,600	371,411	-3,10%	361,976	371,522	9,546	107	3,600	371,411	-3,10%	108	-	-	-	109	9,630	371,224	-3,10%	33	33,997	361,111
513+16,735			33	- 31,149	363,005	109	- 9,630	371,220	-3,10%	108	-	-	-	107	- 3,600	371,406	-3,10%	361,901	371,518	9,617	107	3,600	371,406	-3,10%	108	-	-	-	109	9,630	371,220	-3,10%	33	34,091	361,043
513+19,219																																			
514+0,000																																			
514+5,000		PTV																																	
514+5,347																																			
515+0,000																		OAE - EST.513+19,219 a EST.516+16,633																	
516+0,000																																			
516+9,761																																			
516+13,884																																			
516+16,735																																			
516+19,633			33	- 27,877	361,816	109	- 9,630	370,916	-3,10%	108	-	-	-	107	- 3,600	371,103	-3,10%	360,987	371,215	10,228	107	3,600	371,103	-3,10%	108	-	-	-	109	9,700	370,914	-3,10%	33	30,185	360,324
517+0,000		PCV	33	- 27,892	361,805	109	- 9,630	370,914	-3,10%	108	-	-	-	107	- 3,600	371,101	-3,10%	360,982	371,213	10,231	107	3,600	371,101	-3,10%	108	-	-	-	109	9,720	370,912	-3,10%	33	30,215	360,314
518+0,000			33	- 27,469	361,920	109	- 9,630	370,748	-3,10%	108	-	-	-	107	- 3,600	370,935	-3,10%	360,524	371,046	10,523	107	3,600	370,935	-3,10%	108	-	-	-	109	12,600	370,656	-3,10%	33	33,947	359,490
518+15,447			33	- 27,725	361,529	109	- 9,630	370,528	-3,10%	108	-	-	-	107	- 3,600	370,715	-3,10%	360,392	370,826	10,434	107	3,600	370,715	-3,10%	108	-	-	-	109	18,860	370,242	-3,10%	33	40,097	359,150
518+16,548			33	- 28,456	361,624	109	- 9,630	371,110	-3,10%	108	-	-	-	107	- 3,600	371,296	-3,10%	360,397	371,408	11,011	107	3,600	371,296	-3,10%	108	-	-	-	109	14,700	370,630	-6,00%	33	14,695	359,907
519+0,000			33	- 27,831	361,592	109	- 9,960	370,437	-3,10%	108	-	-	-	107	- 3,600	370,635	-3,10%	360,412	370,746	10,334	107	3,600	370,635	-3,10%	108	-	-	-	109	8,400	370,486	-3,10%	33	8,400	360,110
519+0,268			33	- 27,852	361,587	109	- 9,980	370,432	-3,10%	108	-	-	-	107	- 3,600	370,630	-3,10%	360,413	370,741	10,328	107	3,600	370,630	-3,10%	108	-	-	-	109	8,400	370,481	-3,10%	33	8,400	360,111
519+5,786			33	- 28,156	361,604	109	- 10,500	370,309	-3,10%	108	-	-	-	107	- 3,600	370,523	-3,10%	360,441	370,635	10,194	107	3,600	370,523	-3,10%	108	-	-	-	109	8,050	370,349	-3,90%	33	8,258	360,134
520+0,000			33	- 28,636	362,135	109	- 12,340	369,930	-3,10%	108	-	-	-	107	- 3,600	370,201	-3,10%	360,295	370,313	10,018	107	3,600	370,201	-3,10%	108	-	-	-	109	8,050	370,028	-3,90%	33	13,237	359,856
520+19,105			33	- 34,298	361,715	109	- 18,470	369,202	-3,10%	108	-	-	-	107	- 3,590	369,663	-3,10%	360,011	369,774	9,763	107	3,600	369,663	-3,10%	108	-	-	-	109	8,050	369,489	-3,90%	33	19,600	359,562
521+0,000			33	- 11,890	360,578	109	- 11,890	369,263	-4,48%	108	-	-	-	107	- 3,600	369,635	-3,10%	359,991	369,746	9,755	107	3,600	369,635	-3,10%	108	-	-	-	109	8,050	369,461	-3,90%	33	19,600	359,520
521+2,223			33	- 6,100	360,282	109	- 6,100	369,466	-3,10%	108	-	-	-	107	- 3,600	369,563	-3,10%	359,943	369,675	9,732	107	3,600	369,563	-3,10%	108	-	-	-	109	8,050	369,390	-3,90%	33	25,000	359,239
521+10,769			33	- 8,616	360,479	109	- 8,050	369,100	-3,10%	108	-	-	-	107	- 3,600	369,274	-3,10%	360,016	369,386	9,370	107	3,600	369,274	-3,10%	108	-	-	-	109	8,050	369,100	-3,90%	33	27,633	359,113
522+0,000			33	- 11,369	360,554	109	- 8,000	368,798	-3,90%	108	-	-	-	107	- 3,600	368,935	-3,10%	360,166	369,046	8,881	107	3,600	368,935	-3,10%	108	-	-	-	109	8,000	368,798	-3,90%	33	27,173	359,080
523+0,000		PTV	33	- 23,426	360,745	109	- 8,030	367,944	-3,90%	108	-	-	-	107	- 3,600	368,101	-3,10%	360,023	368,213	8,189	107	3,600	368,101	-3,10%	108	-	-	-	109	8,050	367,928	-3,90%	33	26,021	359,015
524+0,000		PCV	33	- 17,580	360,676	109	- 8,030	367,044	-3,90%	108	-	-	-	107	- 3,600	367,201	-3,10%	359,906	367,313	7,407	107	3,600	367,201	-3,10%	108	-	-	-	109	8,050	367,028	-3,90%	33	24,552	359,094
525+0,000			33	- 16,522	360,560	109	- 8,030	366,224	-3,90%	108	-	-	-	107	- 3,600	366,381	-3,10%	359,959	366,492	6,533	107	3,600	366,381	-3,10%	108	-	-	-	109	8,050	366,207	-3,90%	33	23,119	359,229
526+0,000			33	- 15,551	360,546	109	- 8,030	365,562	-3,90%	108	-	-	-	107	- 3,600	365,719	-3,10%	360,125	365,831	5,706	107	3,600	365,719	-3,10%	108	-	-	-	109	8,050	365,546	-3,90%	33	16,907	359,642
526+10,000			33	- 15,240	360,482	109	- 8,030	365,291	-3,90%	108	-	-	-	107	- 3,600	365,448	-3,10%	360,125	365,560	5,435	107	3,600	365,448	-3,10%	108	-	-	-	109	8,050	365,275	-3,90%	33	16,374	359,726
527+0,000			33	- 14,672	360,630	109	- 8,030	365,060	-3,90%	108	-	-	-	107	- 3,600	365,217	-3,10%	360,172	365,329	5,156	107	3,600	365,217	-3,10%	108	-	-	-	109	8,050	365,043	-3,90%	33	13,180	359,765
528+0,000			33	- 11,308	360,798	109	- 8,030	364,716	-3,90%	108	-	-	-	107	- 3,600	364,874	-3,10%	360,294	364,985	4,691	107	3,600	364,874	-3,10%	108	-	-	-	109	8,050	364,700	-3,90%	33	8,808	359,965
528+1,688			33	- 10,952	360,804	109	- 8,050	364,678	-3,90%	108	-	-	-	107	- 3,600	364,852	-3,10%	360,312	364,963	4,651	107	3,600	364,852	-3,10%	108	-	-	-	109	8,050	364,678	-3,90%	33	8,494	359,999
528+13,704			33	- 8,673	360,952	109	- 8,050	364,557	-3,90%	108	-	-	-	107	- 3,600	364,730	-3,10%	360,577	364,842	4,265	107	3,600	364,730	-3,10%	108	-	-	-	109	6,100	364,633	-3,90%	33	6,100	360,216
528+15,538			33	- 8,365	360,976	109	- 8,050	364,543	-3,90%	108	-	-	-	107	- 3,600	364,717	-3,10%	360,619	364,828	4,209	107	3,600	364,717	-3,10%	108	-	-	-	109	6,100	364,619	-3,90%	33	6,100	360,245
528+17,082			33	- 8,114	360,987	109	- 8,050	364,533	-3,90%	108	-	-	-	107	- 3,600	364,706	-3,10%	360,653	364,818	4,165	107	3,600	364,706	-3,10%	108	-	-	-	109	17,420	364,278	-3,09%	33	24,113	359,815
529+0,000		PTV	33	- 7,659	361,006	109	- 7,660	364,531	-3,90%	108	-	-	-	107	- 3,600	364,689	-3,10%	360,733	364,801	4,068	107	3,600	364,689	-3,10%	108	-	-	-	109	16,710	364,283	-3,10%	33	23,317	359,879
529+3,852			33	- 6,100	361,028	109	- 6,100	364,571	-3,90%	108	-	-	-	107	- 3,600	364,669	-3,10%	360,804	364,781	3,976	107	3,600	364,669	-3,10%	108	-	-	-	109	15,820	364,290	-3,10%	33	22,312	359,961
529+5,711			33	- 12,912	361,204	109	- 12,910	364,284	-4,03%	108	-	-	-	107	- 3,600	364,659	-3,10%	360,850	364,771	3,921	107	3,600	364,659	-3,10%	108	-	-	-	109	15,400	364,293	-3,10%	33	21,843	359,997
530+0,000			33	- 19,255	361,469	109	- 15,120	364,227	-3,10%	108	-	-	-	107	- 3,600	364,584	-3,10%	360,906	364,696	3,790	107	3,600	364,584	-3,10%	108	-	-	-	109	12,890	364,281	-3,10%	33	18,840	360,311
530+19,024	CE		33	- 15,751	361,858	109	- 12,210	364,218	-3,10%	108	-	-	-	107	- 3,600	364,485	-3,10%	361,320	364,596	3,276	107	3,600	364,485	-3,10%	108	-	-	-	109	11,120	364,236	-3,10%	33	16,326	360,766
531+0,000			33	- 15,627	361,869	109	- 12,100	364,218	-3,08%	108	-	-	-	107	- 3,600	364,480	-3,08%	361,343	364,591	3,248	107	3,600	364,480	-3,08%	108	-	-	-	109	11,060	364,234	-3,08%	33	16,226	360,791
531+3,540			33	- 15,208	361,912	109	- 11,750	364,220	-3,00%	108	-	-	-	107	- 3,600	364,465	-3,00%	361,426	364,573	3,147	107	3,600	364,465	-3,00%	108	-	-	-	109	10,860	364,227	-3,00%	33	15,883	360,881
532+0,000			33	- 13,713	362,252	109	- 10,850	364,161	-3,00%	108	-	-	-	107	- 3,600	364,378	-3,00%	361,678	364,486	2,809	107	3,600	364,378	-3,00%	108	-	-	-	109	10,330	364,176	-3,00%	33	14,713	361,254
532+0,513			33	- 13,672	362,268	109	- 10,840	364,158	-3,00%	108	-	-	-	107	- 3,600	364,376	-3,00%	361,685	364,484	2,799	107	3,600	364,376	-3,00%	108	-	-	-	109	10,330	364,174	-3,00%	33	14,694	361,262
533+0,000			33	- 12,456	362,701	109	- 10,400	364,069	-3,00%	108	-	-	-	107	- 3,600	364,273	-3,00%	362,060	364,381	2,322	107	3,600	364,273	-3,00%	108	-	-	-	109	10,380	364,034	-3,00%	33	14,170	361,508
533+4,430			33	- 12,302	362,737	109	- 10,340	364,048	-3,00%	108	-	-	-	107	- 3,600	364,250	-3,00%	362,156	364,358	2,202	107	3,600	364,250	-3,00%	108	-	-	-	109	10,320	364,048	-3,00%	33	13,982	361,609
533+8,701			33	- 12,215	362,774	109	- 10,340	364,026	-3,00%	108	-	-	-	107	- 3,600	364,228	-3,00%	362,246	364,336	2,090	107	3,600	364,228	-3,00%	108	-	-	-	109	10,390	363,984	-3,00%	33	13,818	361,697
533+10,387			33	- 12,178	362,788	109	- 10,340	364,017	-3,00%	108	-	-	-	107	- 3,613	364,219	-3,00%	362,274	364,327	2,053	107	3,600	364,219	-3,00%	108	-	-	-	109	10,320	364,017	-3,00%	33	13,770	361,720
533+14,457			33	- 12,134	362,789	109	- 10,320	363,996	-3,00%	108	-	-	-	107	- 3,600	364,198	-3,00%	362,299	364,306	2,007	107	3,600	364,198	-3,00%	108	-	-	-	109	10,070	364,004	-3,00%	33	13,416	361,771
534+0,000			33	- 11,911	362,767	109	- 10,100	363,973	-3,00%	108	-	-	-	107	- 3,600	364,169	-3,00%	362,318	364,277	1,959	107	3,600	364,169	-3,00%	108	-	-	-	109	9,790	363,943	-3,00%	33	12,946	361,839
535+0,000			33	- 10,781	362,833	109	- 9,190	363,896	-3,00%	108	-	-	-	107	- 3,600	364,064	-3,00%	362,619	364,172	1,553	107	3,600	364,064	-3,00%	108	-	-	-	109	8,610	363,913	-3,00%	33	11,359	362,081
535+10,439			33	- 10,008	362,954	109	- 8,650	363,857	-3,00%	108	-	-	-	107	- 3,600	364,009	-3,00%	362,798	364,117	1,319	107	3,600	364,009	-3,00%	108	-	-	-	109	8,090	363,874	-3,00%	33	10,406	362,328
536+0,000			33	- 9,288	363,055	109	- 8,140	363,823	-3,00%	108	-	-	-	107	- 3,600	363,959	-3,00%	362,757	364,067	1,310	107	3,600	363,959	-3,00%	108	-	-	-	109	8,050	363,825	-3,00%	33	10,053	362,490
536+2,399			33	- 9,058	363,112	109	- 8,000	363,814	-3,00%	108	-	-	-	107	- 3,586	363,974	-3,00%	362,742	364,054	1,312	107	3,603	363,946	-3,00%	108	-	-	-	109	8,040	363,813	-3,00%	33	9,950	362,532
537+0,000			33	- 8,719	363,259	109	- 8,020	363,721	-3,00%	108	-	-	-	107	- 3,600	363,854	-3,00%	362,855	363,962	1,107	107	3,600	363,854	-3,00%	108	-	-	-	109	8,090	363,680	-3,00%	33	9,783	362,548

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM – Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista				COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM – Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
537+0,358			33	- 8,716	363,259	109	- 8,020	363,719	-3,00%	108	-	-	-	107	- 3,600	363,852	-3,00%	362,861	363,960	1,099	107	3,600	364,152	-3,00%	108	-	-	-	109	8,090	363,678	-3,00%	33	9,787	362,544
537+4,599			33	- 8,683	363,259	109	- 8,030	363,697	-3,00%	108	-	-	-	107	- 3,600	363,830	-3,00%	362,922	363,938	1,016	107	3,600	363,830	-3,00%	108	-	-	-	109	8,090	363,606	-5,00%	33	9,746	362,499
537+19,024	ET		33	- 8,577	363,203	109	- 8,090	363,530	-5,00%	108	-	-	-	107	- 3,600	363,754	-3,00%	362,781	363,862	1,082	107	3,600	363,754	-3,00%	108	-	-	-	109	8,090	363,530	-5,00%	33	9,715	362,444
538+0,000			33	- 8,589	363,190	109	- 8,090	363,525	-5,00%	108	-	-	-	107	- 3,600	363,749	-3,00%	362,763	363,857	1,095	107	3,600	363,749	-3,00%	108	-	-	-	109	8,090	363,525	-5,00%	33	9,696	362,452
539+0,000			33	- 8,536	363,120	109	- 8,090	363,420	-5,00%	108	-	-	-	107	- 3,600	363,644	-3,00%	362,831	363,752	0,921	107	3,600	363,644	-3,00%	108	-	-	-	109	8,090	363,420	-5,00%	33	9,325	362,594
540+0,000			33	- 8,372	363,125	109	- 8,090	363,315	-5,00%	108	-	-	-	107	- 3,600	363,539	-3,00%	362,866	363,647	0,782	107	3,600	363,539	-3,00%	108	-	-	-	109	8,090	363,315	-5,00%	33	9,245	362,543
541+0,000			33	- 8,376	363,017	109	- 8,090	363,210	-5,00%	108	-	-	-	107	- 3,600	363,435	-3,00%	362,608	363,543	0,934	107	3,600	363,435	-3,00%	108	-	-	-	109	8,090	363,210	-5,00%	33	9,401	362,334
542+0,000			33	- 8,734	362,674	109	- 8,090	363,105	-5,00%	108	-	-	-	107	- 3,600	363,330	-3,00%	362,280	363,438	1,158	107	3,600	363,330	-3,00%	108	-	-	-	109	8,090	363,105	-5,00%	33	9,668	362,051
543+0,000			33	- 8,727	362,574	109	- 8,090	363,001	-5,00%	108	-	-	-	107	- 3,600	363,225	-3,00%	362,221	363,333	1,112	107	3,600	363,225	-3,00%	108	-	-	-	109	8,090	363,001	-5,00%	33	9,805	361,855
544+0,000			33	- 8,727	362,469	109	- 8,090	362,896	-5,00%	108	-	-	-	107	- 3,600	363,120	-3,00%	362,135	363,228	1,094	107	3,600	363,120	-3,00%	108	-	-	-	109	8,090	362,896	-5,00%	33	10,010	361,613
544+14,508			33	- 8,811	362,337	109	- 8,090	362,820	-5,00%	108	-	-	-	107	- 3,600	363,044	-3,00%	362,070	363,152	1,082	107	3,600	363,044	-3,00%	108	-	-	-	109	8,090	362,820	-5,00%	33	10,425	361,261
545+0,000			33	- 8,842	362,287	109	- 8,090	362,791	-5,00%	108	-	-	-	107	- 3,600	363,015	-3,00%	362,061	363,123	1,062	107	3,600	363,015	-3,00%	108	-	-	-	109	8,090	362,791	-5,00%	33	10,215	361,372
546+0,000			33	- 8,957	362,106	109	- 8,090	362,686	-5,00%	108	-	-	-	107	- 3,600	362,910	-3,00%	361,903	363,018	1,115	107	3,600	362,910	-3,00%	108	-	-	-	109	8,090	362,686	-5,00%	33	10,005	361,407
547+0,000			33	- 9,064	361,930	109	- 8,090	362,581	-5,00%	108	-	-	-	107	- 3,600	362,806	-3,00%	361,598	362,914	1,315	107	3,600	362,806	-3,00%	108	-	-	-	109	8,090	362,581	-5,00%	33	10,253	361,137
548+0,000			33	- 9,276	361,683	109	- 8,090	362,476	-5,00%	108	-	-	-	107	- 3,600	362,701	-3,00%	361,401	362,809	1,408	107	3,600	362,701	-3,00%	108	-	-	-	109	8,090	362,476	-5,00%	33	10,255	361,031
549+0,000			33	- 9,386	361,505	109	- 8,090	362,372	-5,00%	108	-	-	-	107	- 3,600	362,596	-3,00%	361,291	362,704	1,413	107	3,600	362,596	-3,00%	108	-	-	-	109	8,090	362,372	-5,00%	33	10,242	360,935
549+4,830			33	- 9,380	361,484	109	- 8,090	362,346	-5,00%	108	-	-	-	107	- 3,600	362,571	-3,00%	361,271	362,679	1,407	107	3,600	362,571	-3,00%	108	-	-	-	109	8,090	362,346	-5,00%	33	10,396	360,807
550+0,000			33	- 9,273	361,476	109	- 8,090	362,267	-5,00%	108	-	-	-	107	- 3,600	362,491	-3,00%	361,195	362,599	1,404	107	3,600	362,491	-3,00%	108	-	-	-	109	8,090	362,267	-5,00%	33	10,691	360,530
551+0,000			33	- 9,204	361,417	109	- 8,090	362,162	-5,00%	108	-	-	-	107	- 3,600	362,386	-3,00%	360,927	362,494	1,567	107	3,600	362,386	-3,00%	108	-	-	-	109	8,090	362,162	-5,00%	33	10,661	360,445
552+0,000			33	- 9,206	361,310	109	- 8,090	362,057	-5,00%	108	-	-	-	107	- 3,600	362,281	-3,00%	360,828	362,389	1,561	107	3,600	362,281	-3,00%	108	-	-	-	109	8,090	362,057	-5,00%	33	10,679	360,328
553+0,000			33	- 9,330	361,123	109	- 8,090	361,952	-5,00%	108	-	-	-	107	- 3,600	362,176	-3,00%	360,677	362,284	1,607	107	3,600	362,176	-3,00%	108	-	-	-	109	8,090	361,952	-5,00%	33	10,604	360,274
554+0,000			33	- 9,405	360,969	109	- 8,090	361,847	-5,00%	108	-	-	-	107	- 3,600	362,072	-3,00%	360,618	362,180	1,562	107	3,600	362,072	-3,00%	108	-	-	-	109	8,090	361,847	-5,00%	33	10,503	360,236
555+0,000			33	- 9,385	360,877	109	- 8,090	361,742	-5,00%	108	-	-	-	107	- 3,600	361,967	-3,00%	360,523	362,075	1,552	107	3,600	361,967	-3,00%	108	-	-	-	109	8,090	361,742	-5,00%	33	10,478	360,148
556+0,000			33	- 9,373	360,780	109	- 8,090	361,638	-5,00%	108	-	-	-	107	- 3,600	361,862	-3,00%	360,429	361,970	1,541	107	3,600	361,862	-3,00%	108	-	-	-	109	8,090	361,638	-5,00%	33	10,510	360,022
557+0,000			33	- 8,585	361,201	109	- 8,090	361,533	-5,00%	108	-	-	-	107	- 3,600	361,757	-3,00%	360,444	361,865	1,421	107	3,600	361,757	-3,00%	108	-	-	-	109	8,090	361,533	-5,00%	33	10,489	359,931
558+0,000			33	- 9,274	360,636	109	- 8,090	361,428	-5,00%	108	-	-	-	107	- 3,600	361,652	-3,00%	360,532	361,760	1,228	107	3,600	361,652	-3,00%	108	-	-	-	109	8,090	361,428	-5,00%	33	10,108	360,080
559+0,000			33	- 8,786	360,857	109	- 8,090	361,323	-5,00%	108	-	-	-	107	- 3,600	361,547	-3,00%	360,467	361,655	1,188	107	3,600	361,547	-3,00%	108	-	-	-	109	8,090	361,323	-5,00%	33	9,885	360,124
560+0,000			33	- 8,659	360,836	109	- 8,090	361,218	-5,00%	108	-	-	-	107	- 3,600	361,443	-3,00%	360,511	361,551	1,040	107	3,600	361,443	-3,00%	108	-	-	-	109	8,090	361,218	-5,00%	33	9,533	360,254
561+0,000			33	- 8,592	360,776	109	- 8,090	361,113	-5,00%	108	-	-	-	107	- 3,600	361,338	-3,00%	360,537	361,446	0,909	107	3,600	361,338	-3,00%	108	-	-	-	109	8,090	361,113	-5,00%	33	9,388	360,246
562+0,000			33	- 8,118	360,987	109	- 8,090	361,009	-5,00%	108	-	-	-	107	- 3,600	361,233	-3,00%	360,674	361,341	0,667	107	3,600	361,233	-3,00%	108	-	-	-	109	8,090	361,009	-5,00%	33	9,134	360,310
563+0,000			33	- 7,910	361,022	109	- 8,090	360,904	-5,00%	108	-	-	-	107	- 3,600	361,128	-3,00%	360,728	361,236	0,508	107	3,600	361,128	-3,00%	108	-	-	-	109	8,090	360,904	-5,00%	33	8,846	360,398
564+0,000			33	- 7,699	361,057	109	- 8,090	360,799	-5,00%	108	-	-	-	107	- 3,600	361,023	-3,00%	360,737	361,131	0,394	107	3,600	361,023	-3,00%	108	-	-	-	109	8,090	360,799	-5,00%	33	8,606	360,452
565+0,000			33	- 7,748	361,117	109	- 8,090	360,694	-5,00%	108	-	-	-	107	- 3,600	360,918	-3,00%	360,802	361,026	0,224	107	3,600	360,918	-3,00%	108	-	-	-	109	8,090	360,694	-5,00%	33	8,331	360,531
566+0,000			33	- 8,188	361,202	109	- 7,600	360,613	-5,00%	108	-	-	-	107	- 3,600	360,813	-3,00%	360,868	360,921	0,053	107	3,600	360,813	-3,00%	108	-	-	-	109	8,090	360,589	-5,00%	33	8,059	360,608
567+0,000			33	- 8,330	361,238	109	- 7,600	360,509	-5,00%	108	-	-	-	107	- 3,600	360,709	-3,00%	360,903	360,817	-0,086	107	3,600	360,709	-3,00%	108	-	-	-	109	8,090	360,484	-5,00%	33	7,809	360,669
568+0,000			33	- 8,543	361,347	109	- 7,600	360,404	-5,00%	108	-	-	-	107	- 3,600	360,604	-3,00%	360,997	360,712	-0,285	107	3,600	360,604	-3,00%	108	-	-	-	109	8,090	360,379	-5,00%	33	7,649	360,671
569+0,000			33	- 16,585	361,576	109	- 14,400	360,119	-5,00%	108	- 6,416	360,358	-3,00%	107	- 3,600	360,499	-3,00%	360,962	360,607	-0,355	107	3,600	360,499	-3,00%	108	6,416	360,358	-3,00%	109	30,000	359,651	-5,00%	33	30,493	359,897
570+0,000			33	- 16,781	361,601	109	- 14,400	360,014	-5,00%	108	- 6,416	360,253	-3,00%	107	- 3,600	360,394	-3,00%	361,002	360,502	-0,500	107	3,600	360,394	-3,00%	108	6,416	360,253	-3,00%	109	30,000	359,546	-5,00%	33	30,530	359,811
571+0,000			33	- 17,088	361,701	109	- 14,400	359,909	-5,00%	108	- 6,416	360,148	-3,00%	107	- 3,600	360,289	-3,00%	361,066	360,397	-0,668	107	3,600	360,289	-3,00%	108	6,416	360,148	-3,00%	109	30,000	359,441	-5,00%	33	30,725	359,803
572+0,000			33	- 17,272	361,719	109	- 14,400	359,804	-5,00%	108	- 6,416	360,044	-3,00%	107	- 3,600	360,184	-3,00%	361,083	360,292	-0,790	107	3,600	360,184	-3,00%	108	6,416	360,044	-3,00%	109	30,000	359,336	-5,00%	33	31,595	360,134
573+0,000			33	- 17,514	361,775	109	- 14,400	359,699	-5,00%	108	- 6,416	359,939	-3,00%	107	- 3,600	360,080	-3,00%	361,149	360,188	-0,962	107	3,600	360,080	-3,00%	108	6,416	359,939	-3,00%	109	30,000	359,231	-5,00%	33	32,305	360,384
574+0,000			33	- 17,698	361,793	109	- 14,400	359,594	-5,00%	108	- 6,416	359,834	-3,00%	107	- 3,600	359,975	-3,00%	361,202	360,083	-1,120	107	3,600	359,975	-3,00%	108	6,416	359,834	-3,00%	109	30,000	359,126	-5,00%	33	32,184	360,218
575+0,000			33	- 17,740	361,716	109	- 14,400	359,490	-5,00%	108	- 6,416	359,729	-3,00%	107	- 3,600	359,870	-3,00%	361,304	359,978	-1,326	107	3,600	359,870	-3,00%	108	6,416	359,729	-3,00%	109	30,000	359,022	-5,00%	33	32,336	360,189
576+0,000			33	- 17,975	361,768	109	- 14,400	359,385	-5,00%	108	- 6,416	359,624	-3,00%	107	- 3,600	359,765	-3,00%	361,274	359,873	-1,401	107	3,600	359,765	-3,00%	108	6,416	359,624	-3,00%	109	30,000	358,917	-5,00%	33	32,636	360,234
577+0,000			33	- 18,100	361,746	109	- 14,400	359,280	-5,00%	108	- 6,416	359,519	-3,00%	107	- 3,600	359,660	-3,00%	361,196	359,768	-1,428	107	3,600	359,660	-3,00%	108	6,416	359,519	-3,00%	109	30,000	358,812	-5,00%	33	32,803	360,213
578+0,000			33	- 17,970	361,555	109	- 14,400	359,175	-5,00%	108	- 6,416	359,414	-3,00%	107	- 3,600	359,555	-3,00%	361,107	359,663	-1,444	107	3,600	359,555	-3,00%	108	6,416	359,414	-3,00%	109	30,000	358,707	-5,00%	33	32,891	360,153
579+0,000			33	- 17,869	361,383	109	- 14,400	359,070	-5,00%	108	- 6,416	359,310	-3,00%	107	- 3,600	359,450	-3,00%	361,030	359,558	-1,471	107	3,600	359,450	-3,00%	108	6,416	359,310	-3,00%	109	30,000	358,602	-5,00%	33	33,034	360,119
580+0,000			33	- 17,840	361,258	109	- 14,400	358,965	-5,00%	108	- 6,416	359,205	-3,00%	107	- 3,600	359,346	-3,00%	360,853	359,454	-1,399	107	3,600	359,346	-3,00%	108	6,416	359,205	-3,00%	109	30,000	358,497	-5,00%	33	33,314	360,154
581+0,000			33	- 17,805	361,130	109	- 14,400	358,860	-5,00%	108	- 6,416	359,100	-3,00%	107	- 3,600	359,241	-3,00%	360,773	359,349	-1,424	107	3,600	359,241	-3,00%	108	6,416	359,100	-3,00%	109	30,000	358,392	-5,00%	33	33,399	360,092
581+7,107		PCV	33	- 17,822	361,105	109	- 14,400	358,823	-5,00%	108	- 6,416	359,063	-3,00%	107	- 3,600	359,203	-3,00%	360,743	359,311	-1,432	107	3,600	359,203	-3,00%	108	6,416	359,063	-3,00%	109	30,000	358,355	-5,00%	33	33,411	360,061
582+0,000			33	- 17,838	361,035	109	- 14,400	358,744	-5,00%	108	- 6,416	358,983	-3,00%	107	- 3,600	359,124	-3,00%	360,689	359,232	-1,457	107	3,600	359,124	-3,00%	108	6,416	358,983	-3,00%	109	30,000	358,276	-5,00%	33	33,458	360,005
583+0,000			33	- 17,600	360,706	109	- 14,400	358,573	-5,00%	108	- 6,416	358,813	-3,00%	107	- 3,600	358,953	-3,00%	360,527	359,061	-1,465	107	3,600	358,953	-3,00%	108	6,416	358,813	-3,00%	109	30,000	358,105	-5,00%	33	33,610	359,910
584+0,000			33	- 17,662	360,520	109	- 14,400	358,345	-5,00%	108	- 6,416	358,585	-3,00%	107	- 3,600	358,726	-3,00%	360,525	358,834	-1,691	107	3,600	358,726	-3,00%	108	6,416	358,585	-3,00%	109	30,000	357,877	-5,00%	33	33,808	359,781
584+12,107			33	- 17,555	360,283	109	- 14,400	358,179	-5,00%	108	- 6,416	358,419	-3,00%	107	- 3,600	358,560	-3,00%	360,326	358,668	-1,658	107	3,600	358,560	-3,00%	108	6,416	358,419	-3,00%	109	30,000	357,711	-5,00%	33	34,066	359,745
585+0,000			33	- 17,484	360,116	109	- 14,400	358,060	-5,00%	108	- 6,416	358,299	-3,00%	107	- 3,600	358,440	-3,00%	360,184	358,548	-1,636	107	3,600	358,440	-3,00%	108	6,416	358,299	-3,00%	109	30,000	357,592	-5,00%	33	34,402	359,793
586+0,000			33	- 17,688	359,909	109	- 14,400	357,717	-5,00%	108	- 6,416	357,957	-3,00%	107	- 3,600	358,098	-3,00%	359,873	358,206	-1,668	107	3,600	358,098	-3,00%	108	6,416	357,957	-3,00%	109	30,000	357,249	-5,00%	33	34,778	359,639
587+0,000			33	- 17,925	359,667	109	- 14,400	357,317	-5,00%	108	- 6,416	357,557	-3,00%	107	- 3,600	357,698	-3,00%	359,554	357,806	-1,748	107	3,600	357,698	-3,00%	108	6,416	357,557	-3,00%	109	30,000	356,849	-5,00%	33	35,103	359,401
587+17,107		PTV	33	- 18,088	359,389	109	- 14,400	356,930	-5,00%	108	- 6,416	357,169	-3,00%	107	- 3,600	357,310	-3,00%	359,231	357,418	-1,813	107	3,600	357,310	-3,00%	108	6,416	357,169	-3,00%	109	30,000	356,462	-5,00%	33	35,471	359,197
588+0,000			33	- 18,121	359,341	109	- 14,400	356,860	-5,00%	108	- 6,416	357,100	-3,00%	107	- 3,600	357,241	-3,00%	359,169	357,349	-1,820	107	3,600	357,241	-3,00%	108	6,416	357,100	-3,00%	109	30,000	356,392	-5,00%	33	35,538	359,162
589+0,000			33	- 18,246	358,947	109	- 14,400	356,383	-5,00%	108	- 6,416	356,622	-3,00%	107	- 3,600	356,763	-3,00%	358,808	356,871	-1,937	107	3,600	356,763	-3,00%	108	6,416	356,622	-3,00%	109	30,000	355,915	-5,00%	33	35,969	358,899
590+0,000			33	- 18,314	358,514	109	- 14,400	355,905	-5,00%	108	- 6,416	356,144	-3,00%	107	- 3,600	356,285	-3,00%	358,461	356,393	-2,068	107	3,600	356,285	-3,00%	108	6,416	356,144	-3,00%	109	30,000	355,437	-5,00%	33	36,155	358,515
591+0,000			33	- 18,486	358,151	109	- 14,400	355,427	-5,00%	108	- 6,416	355,667	-3,00%	107	- 3,600	355,807	-3,00%	358,129	355,915	-2,214	107	3,600	355,807	-3,00%	108	6,416	355,667	-3,00%	109	30,000	354,959	-5,00%	33	36,417	358,167
592+0,000			33	- 18,628	357,768	109	- 14,400	354,949	-5,00%	108	- 6,416	355,189	-3,00%	107	- 3,600	355,330	-3,00%	357,845	355,438	-2,408	107	3,600	355,330	-3,00%	108	6,416	355,189	-3,00%	109	30,000	354,481	-5,00%	33	36,849	357,906
593+0,000			33	- 18,676	357,322	109	- 14,400	354,471	-5,00%	108	- 6,416	354,711	-3,00%	107	- 3,600	354,852	-3,00%	357,280	354,960	-2,320	107	3,600	354,852	-3,00%	108	6,416	354,711	-3,00%	109	30,000	354,003	-5,00%	33	37,064	357,536
594+0,000			33	- 18,747	356,892	109	- 14,400	353,994	-5,00%	108	- 6,416	354,233	-3,00%	107	- 3,600	354,374	-3,00%	356,747	354,482	-2,265	107	3,600	354,374	-3,00%	108	6,416	354,233	-3,00%	109	30,000	353,526	-5,00%	33	37,020	357,036
595+0,000			33	- 18,721	356,396	109	- 14,400	353,516	-5,00%	108	- 6,416	353,755	-3,00%	107	- 3,600	353,896	-3,00%	356,255	354,004	-2,251	107	3,600	353,896	-3,00%	108	6,416	353,755	-3,00%	109	30,000	353,048	-5,00%	33	36,957	356,526
595+19,535			33	- 18,685	355,905	109	- 14,400	353,049	-5,00%	108	- 6,416	353,288	-3,00%	107	- 3,600	353,429	-3,00%	0,000	353,537	353,537	107	3,600	353,429	-3,00%	108	6,416	353,288	-3,00%	109	30,100	352,578	-5,00%	33	-	-
596+0,000			33	- 18,682	355,892	109	- 14,400	353,038	-5,00%	108	- 6,416	353,277	-3,00%	107	- 3,600	353,418	-3,00%	0,000	353,526	353,526	107	3,600	353,418	-3,00%	108	6,416	353,277	-3,00%	109	30,100	352,567	-5,00%	33	-	-
597+0,000			33	- 18,619	355,372	109	- 14,400	352,560	-5,00%	108	- 6,416	352,799	-3,00%	107	- 3,600	352,940	-3,00%	355,546	353,048	-2,498	107	3,600	352,940	-3,00%	108	6,416	352,799	-3,00%	109	30,100	352,089	-5,00%	33	37,297	355,687
598+0,000			33	- 18,697	354,947	109	- 14,400	352,082	-5,00%	108	- 6,416	352,321	-3,00%	107	- 3,600	352,462	-3,00%	355,209	352,570	-2,639	107	3,600	352,462	-3,00%	108	6,416	352,321	-3,00%	109	30,100	351,611	-5,00%	33	37,729	355,425
599+0,000			33	- 18,681	354,458	109	- 14,400	351,604	-5,00%	108	- 6,416	351,844	-3,00%	107	- 3,600	351,984	-3,00%	354,716	352,092	-2,624	107	3,600	351,984	-3,00%	108	6,416	351,844	-3,00%	109	30,100	351,133	-5,00%	33	37,849	355,008

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM																COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM																
			Talude			Fim da plataforma				Início do alargamento de corte				Bordo da pista							Bordo da pista				Início do alargamento de corte				Fim da plataforma				Talude			
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
600+0,000			33	18,585	353,916	109	14,400	351,126	-5,00%	108	6,416	351,366	-3,00%	107	3,600	351,506	-3,00%	354,053	351,614	-2,438	107	3,600	351,506	-3,00%	108	6,416	351,366	-3,00%	109	30,100	350,655	-5,00%	33	37,519	354,365
601+0,000			33	18,536	353,406	109	14,400	350,648	-5,00%	108	6,416	350,888	-3,00%	107	3,600	351,029	-3,00%	353,570	351,137	-2,434	107	3,600	351,029	-3,00%	108	6,416	350,888	-3,00%	109	30,100	350,177	-5,00%	33	37,416	353,835
602+0,000			33	18,520	352,917	109	14,400	350,170	-5,00%	108	6,416	350,410	-3,00%	107	3,600	350,551	-3,00%	353,091	350,659	-2,433	107	3,600	350,551	-3,00%	108	6,416	350,410	-3,00%	109	30,100	349,699	-5,00%	33	37,384	353,342
603+0,000			33	18,691	352,553	109	14,400	349,692	-5,00%	108	6,416	349,932	-3,00%	107	3,600	350,073	-3,00%	352,658	350,181	-2,477	107	3,600	350,073	-3,00%	108	6,416	349,932	-3,00%	109	30,100	349,221	-5,00%	33	37,291	352,817
604+0,000			33	18,721	352,095	109	14,400	349,214	-5,00%	108	6,416	349,454	-3,00%	107	3,600	349,595	-3,00%	352,185	349,703	-2,482	107	3,600	349,595	-3,00%	108	6,416	349,454	-3,00%	109	30,100	348,744	-5,00%	33	37,260	352,324
605+0,000			33	18,404	351,406	109	14,400	348,737	-5,00%	108	6,416	348,976	-3,00%	107	3,600	349,117	-3,00%	351,577	349,225	-2,352	107	3,600	349,117	-3,00%	108	6,416	348,976	-3,00%	109	30,100	348,266	-5,00%	33	37,030	351,731
606+0,000			33	18,452	350,960	109	14,400	348,259	-5,00%	108	6,416	348,498	-3,00%	107	3,600	348,639	-3,00%	350,903	348,747	-2,156	107	3,600	348,639	-3,00%	108	6,416	348,498	-3,00%	109	30,100	347,788	-5,00%	33	36,695	351,085
607+0,000			33	18,466	350,492	109	14,400	347,781	-5,00%	108	6,416	348,020	-3,00%	107	3,600	348,161	-3,00%	350,320	348,269	-2,051	107	3,600	348,161	-3,00%	108	6,416	348,020	-3,00%	109	30,100	347,310	-5,00%	33	36,524	350,522
608+0,000			33	18,294	349,899	109	14,400	347,303	-5,00%	108	6,416	347,542	-3,00%	107	3,600	347,683	-3,00%	349,854	347,791	-2,063	107	3,600	347,683	-3,00%	108	6,416	347,542	-3,00%	109	30,100	346,832	-5,00%	33	36,282	349,923
609+0,000			33	18,096	349,289	109	14,400	346,825	-5,00%	108	6,416	347,065	-3,00%	107	3,600	347,205	-3,00%	349,310	347,313	-1,996	107	3,600	347,205	-3,00%	108	6,416	347,065	-3,00%	109	30,100	346,354	-5,00%	33	36,339	349,474
610+0,000			33	18,188	348,872	109	14,400	346,347	-5,00%	108	6,416	346,587	-3,00%	107	3,600	346,727	-3,00%	348,846	346,835	-2,010	107	3,600	346,727	-3,00%	108	6,416	346,587	-3,00%	109	30,100	345,876	-5,00%	33	36,612	349,132
611+0,000			33	18,111	348,343	109	14,400	345,869	-5,00%	108	6,416	346,109	-3,00%	107	3,600	346,250	-3,00%	348,473	346,358	-2,116	107	3,600	346,250	-3,00%	108	6,416	346,109	-3,00%	109	30,100	345,398	-5,00%	33	36,871	348,784
612+0,000			33	18,009	347,797	109	14,400	345,391	-5,00%	108	6,416	345,631	-3,00%	107	3,600	345,772	-3,00%	347,960	345,880	-2,080	107	3,600	345,772	-3,00%	108	6,416	345,631	-3,00%	109	30,100	344,920	-5,00%	33	36,678	348,209
613+0,000			33	17,947	347,278	109	14,400	344,913	-5,00%	108	6,416	345,153	-3,00%	107	3,600	345,294	-3,00%	347,449	345,402	-2,047	107	3,600	345,294	-3,00%	108	6,416	345,153	-3,00%	109	30,100	344,442	-5,00%	33	36,491	347,638
614+0,000			33	18,083	346,891	109	14,400	344,436	-5,00%	108	6,416	344,675	-3,00%	107	3,600	344,816	-3,00%	346,943	344,924	-2,019	107	3,600	344,816	-3,00%	108	6,416	344,675	-3,00%	109	30,100	343,965	-5,00%	33	36,402	347,115
615+0,000			33	17,999	346,357	109	14,400	343,958	-5,00%	108	6,416	344,197	-3,00%	107	3,600	344,338	-3,00%	346,469	344,446	-2,023	107	3,600	344,338	-3,00%	108	6,416	344,197	-3,00%	109	30,100	343,487	-5,00%	33	36,333	346,603
616+0,000			33	17,902	345,814	109	14,400	343,480	-5,00%	108	6,416	343,719	-3,00%	107	3,600	343,860	-3,00%	345,957	343,968	-1,989	107	3,600	343,860	-3,00%	108	6,416	343,719	-3,00%	109	30,100	343,009	-5,00%	33	36,362	346,140
617+0,000			33	17,792	345,263	109	14,400	343,002	-5,00%	108	6,416	343,241	-3,00%	107	3,600	343,382	-3,00%	345,430	343,490	-1,940	107	3,600	343,382	-3,00%	108	6,416	343,241	-3,00%	109	30,100	342,531	-5,00%	33	36,400	345,681
618+0,000			33	17,823	344,806	109	14,400	342,524	-5,00%	108	6,416	342,763	-3,00%	107	3,600	342,904	-3,00%	344,951	343,012	-1,938	107	3,600	342,904	-3,00%	108	6,416	342,763	-3,00%	109	30,100	342,053	-5,00%	33	36,458	345,232
619+0,000			33	17,880	344,366	109	14,400	342,046	-5,00%	108	6,416	342,286	-3,00%	107	3,600	342,426	-3,00%	344,517	342,534	-1,983	107	3,600	342,426	-3,00%	108	6,416	342,286	-3,00%	109	30,100	341,575	-5,00%	33	36,351	344,700
620+0,000			33	17,817	343,846	109	14,400	341,568	-5,00%	108	6,416	341,808	-3,00%	107	3,600	341,948	-3,00%	344,092	342,056	-2,035	107	3,600	341,948	-3,00%	108	6,416	341,808	-3,00%	109	30,100	341,097	-5,00%	33	35,947	344,021
621+0,000			33	17,824	343,373	109	14,400	341,090	-5,00%	108	6,416	341,330	-3,00%	107	3,600	341,471	-3,00%	343,475	341,579	-1,896	107	3,600	341,471	-3,00%	108	6,416	341,330	-3,00%	109	30,100	340,619	-5,00%	33	35,980	343,559
622+0,000			33	17,833	342,901	109	14,400	340,612	-5,00%	108	6,416	340,852	-3,00%	107	3,600	340,993	-3,00%	343,054	341,101	-1,953	107	3,600	340,993	-3,00%	108	6,416	340,852	-3,00%	109	30,100	340,141	-5,00%	33	36,240	343,211
623+0,000			33	17,853	342,436	109	14,400	340,134	-5,00%	108	6,416	340,374	-3,00%	107	3,600	340,515	-3,00%	342,554	340,623	-1,932	107	3,600	340,515	-3,00%	108	6,416	340,374	-3,00%	109	30,100	339,663	-5,00%	33	36,269	342,748
624+0,000			33	17,814	341,933	109	14,400	339,657	-5,00%	108	6,416	339,896	-3,00%	107	3,600	340,037	-3,00%	342,041	340,145	-1,896	107	3,600	340,037	-3,00%	108	6,416	339,896	-3,00%	109	30,100	339,186	-5,00%	33	36,009	342,140
625+0,000			33	17,729	341,398	109	14,400	339,179	-5,00%	108	6,416	339,418	-3,00%	107	3,600	339,559	-3,00%	341,535	339,667	-1,868	107	3,600	339,559	-3,00%	108	6,416	339,418	-3,00%	109	30,100	338,708	-5,00%	33	35,998	341,657
626+0,000			33	17,752	340,935	109	14,400	338,701	-5,00%	108	6,416	338,940	-3,00%	107	3,600	339,081	-3,00%	341,022	339,189	-1,833	107	3,600	339,081	-3,00%	108	6,416	338,940	-3,00%	109	30,100	338,230	-5,00%	33	36,255	341,307
627+0,000			33	17,852	340,524	109	14,400	338,223	-5,00%	108	6,416	338,462	-3,00%	107	3,600	338,603	-3,00%	340,643	338,711	-1,932	107	3,600	338,603	-3,00%	108	6,416	338,462	-3,00%	109	30,100	337,752	-5,00%	33	36,384	340,894
628+0,000			33	17,912	340,086	109	14,400	337,745	-5,00%	108	6,416	337,984	-3,00%	107	3,600	338,125	-3,00%	340,167	338,233	-1,934	107	3,600	338,125	-3,00%	108	6,416	337,984	-3,00%	109	30,100	337,274	-5,00%	33	36,213	340,331
629+0,000			33	17,950	339,634	109	14,400	337,267	-5,00%	108	6,416	337,507	-3,00%	107	3,600	337,647	-3,00%	339,653	337,755	-1,898	107	3,600	337,647	-3,00%	108	6,416	337,507	-3,00%	109	30,100	336,796	-5,00%	33	35,821	339,656
630+0,000			33	18,012	339,197	109	14,400	336,789	-5,00%	108	6,416	337,029	-3,00%	107	3,600	337,169	-3,00%	339,229	337,277	-1,951	107	3,600	337,169	-3,00%	108	6,416	337,029	-3,00%	109	30,100	336,318	-5,00%	33	36,220	339,378
631+0,000			33	18,050	338,744	109	14,400	336,311	-5,00%	108	6,416	336,551	-3,00%	107	3,600	336,692	-3,00%	338,844	336,800	-2,045	107	3,600	336,692	-3,00%	108	6,416	336,551	-3,00%	109	30,100	335,840	-5,00%	33	36,584	339,082
632+0,000			33	18,137	338,325	109	14,400	335,833	-5,00%	108	6,416	336,073	-3,00%	107	3,600	336,214	-3,00%	338,493	336,322	-2,171	107	3,600	336,214	-3,00%	108	6,416	336,073	-3,00%	109	30,100	335,362	-5,00%	33	37,017	338,821
633+0,000			33	18,246	337,920	109	14,400	335,355	-5,00%	108	6,416	335,595	-3,00%	107	3,600	335,736	-3,00%	338,122	335,844	-2,278	107	3,600	335,736	-3,00%	108	6,416	335,595	-3,00%	109	30,100	334,884	-5,00%	33	37,399	338,534
634+0,000			33	18,254	337,447	109	14,400	334,878	-5,00%	108	6,416	335,117	-3,00%	107	3,600	335,258	-3,00%	337,756	335,366	-2,390	107	3,600	335,258	-3,00%	108	6,416	335,117	-3,00%	109	30,100	334,407	-5,00%	33	37,503	338,108
635+0,000			33	18,339	337,025	109	14,400	334,400	-5,00%	108	6,416	334,639	-3,00%	107	3,600	334,780	-3,00%	337,193	334,888	-2,305	107	3,600	334,780	-3,00%	108	6,416	334,639	-3,00%	109	30,100	333,929	-5,00%	33	37,345	337,551
636+0,000			33	18,442	336,616	109	14,400	333,922	-5,00%	108	6,416	334,161	-3,00%	107	3,600	334,302	-3,00%	336,664	334,410	-2,254	107	3,600	334,302	-3,00%	108	6,416	334,161	-3,00%	109	30,100	333,451	-5,00%	33	37,188	336,995
637+0,000			33	18,416	336,121	109	14,400	333,444	-5,00%	108	6,416	333,683	-3,00%	107	3,600	333,824	-3,00%	336,292	333,932	-2,359	107	3,600	333,824	-3,00%	108	6,416	333,683	-3,00%	109	30,100	332,973	-5,00%	33	37,262	336,554
638+0,000			33	18,545	335,729	109	14,400	332,966	-5,00%	108	6,416	333,205	-3,00%	107	3,600	333,346	-3,00%	335,843	333,454	-2,389	107	3,600	333,346	-3,00%	108	6,416	333,205	-3,00%	109	30,100	332,495	-5,00%	33	37,400	336,145
639+0,000			33	18,582	335,276	109	14,400	332,488	-5,00%	108	6,416	332,728	-3,00%	107	3,600	332,868	-3,00%	335,392	332,976	-2,415	107	3,600	332,868	-3,00%	108	6,416	332,728	-3,00%	109	30,100	332,017	-5,00%	33	37,474	335,704
639+13,548	PC		33	18,517	334,909	109	14,400	332,164	-5,00%	108	6,416	332,404	-3,00%	107	3,600	332,545	-3,00%	335,077	332,653	-2,424	107	3,600	332,545	-3,00%	108	6,416	332,404	-3,00%	109	30,100	331,693	-5,00%	33	37,490	335,388
640+0,000			33	18,585	334,800	109	14,400	332,010	-5,00%	108	6,416	332,250	-3,00%	107	3,600	332,390	-3,00%	334,954	332,498	-2,456	107	3,600	332,390	-3,00%	108	6,416	332,250	-3,00%	109	30,100	331,539	-5,00%	33	37,689	335,334
641+0,000			33	18,768	334,444	109	14,400	331,532	-5,00%	108	6,416	331,772	-3,00%	107	3,600	331,913	-3,00%	334,753	332,021	-2,732	107	3,600	331,913	-3,00%	108	6,416	331,772	-3,00%	109	30,100	331,061	-5,00%	33	37,710	334,866
642+0,000			33	18,791	333,981	109	14,400	331,054	-5,00%	108	6,416	331,294	-3,00%	107	3,600	331,435	-3,00%	334,186	331,543	-2,643	107	3,600	331,435	-3,00%	108	6,416	331,294	-3,00%	109	30,100	330,583	-5,00%	33	37,657	334,362
643+0,000			33	18,791	333,504	109	14,400	330,576	-5,00%	108	6,416	330,816	-3,00%	107	3,600	330,957	-3,00%	333,663	331,065	-2,598	107	3,600	330,957	-3,00%	108	6,416	330,816	-3,00%	109	30,100	330,105	-5,00%	33	37,750	333,930
644+0,000			33	18,872	333,080	109	14,400	330,099	-5,00%	108	6,416	330,338	-3,00%	107	3,600	330,479	-3,00%	333,237	330,587	-2,650	107	3,600	330,479	-3,00%	108	6,416	330,338	-3,00%	109	30,100	329,628	-5,00%	33	37,836	333,496
645+0,000			33	18,971	332,668	109	14,400	329,621	-5,00%	108	6,416	329,860	-3,00%	107	3,600	330,001	-3,00%	332,821	330,109	-2,712	107	3,600	330,001	-3,00%	108	6,416	329,860	-3,00%	109	30,100	329,150	-5,00%	33	37,964	333,082
646+0,000			33	18,989	332,202	109	14,400	329,143	-5,00%	108	6,416	329,382	-3,00%	107	3,600	329,523	-3,00%	332,363	329,631	-2,732	107	3,600	329,523	-3,00%	108	6,416	329,382	-3,00%	109	30,100	328,672	-5,00%	33	38,161	332,702
646+17,522			33	19,042	331,819	109	14,400	328,724	-5,00%	108	6,416	328,964	-3,00%	107	3,600	329,104	-3,00%	331,996	329,212	-2,783	107	3,600	329,104	-3,00%	108	6,416	328,964	-3,00%	109	30,100	328,253	-5,00%	33	38,260	332,333
647+0,000			33	19,055	331,768	109	14,400	328,665	-5,00%	108	6,416	328,904	-3,00%	107	3,600	329,045	-3,00%	331,942	329,153	-2,789	107	3,600	329,045	-3,00%	108	6,416	328,904	-3,00%	109	30,100	328,194	-5,00%	33	38,274	332,281
648+0,000			33	19,176	331,371	109	14,400	328,187	-5,00%	108	6,416	328,426	-3,00%	107	3,600	328,567	-3,00%	331,514	328,675	-2,838	107	3,600	328,567	-3,00%	108	6,416	328,426	-3,00%	109	30,100	327,716	-5,00%	33	38,370	331,851
649+0,000			33	19,405	331,045	109	14,400	327,709	-5,00%	108	6,416	327,949	-3,00%	107	3,600	328,089	-3,00%	331,344	328,197	-3,146	107	3,600	328,089	-3,00%	108	6,416	327,949	-3,00%	109	30,100	327,238	-5,00%	33	38,869	331,622
650+0,000			33	19,677	330,749	109	14,400	327,231	-5,00%	108	6,416	327,471	-3,00%	107	3,600	327,611	-3,00%	331,157	327,719	-3,437	107	3,600	327,611	-3,00%	108	6,416	327,471	-3,00%	109	30,100	326,760	-5,00%	33	39,196	331,308
651+0,000			33	19,648	330,252	109	14,400	326,753	-5,00%	108	6,416	326,993	-3,00%	107	3,600	327,134	-3,00%	330,525	327,242	-3,283	107	3,600	327,134	-3,00%	108	6,416	326,993	-3,00%	109	30,100	326,282	-5,00%	33	39,546	331,005
652+0,000			33	19,714	329,818	109	14,400	326,275	-5,00%	108	6,416	326,515	-3,00%	107	3,600	326,656	-3,00%	329,954	326,764	-3,190	107	3,600	326,656	-3,00%	108	6,416	326,515	-3,00%	109	30,100	325,804	-5,00%	33	39,554	330,531
652+5,000		PCV	33	19,739	329,715	109	14,400	326,156	-5,00%	108	6,416	326,395	-3,00%	107	3,600	326,536	-3,00%	329,850	326,644	-3,205	107	3,600	326,536	-3,00%	108	6,416	326,395	-3,00%	109	30,100	325,685	-5,00%	33	39,517	330,393
653+0,000			33	19,806	329,417	109	14,400	325,813	-5,00%	108	6,416	326,052	-3,00%	107	3,600	326,193	-3,00%	329,540	326,301	-3,239	107	3,600	326,193	-3,00%	108	6,416	326,052	-3,00%	109	30,100	325,342	-5,00%	33	39,376	329,980
654+0,000			33	19,935	329,092	109	14,400	325,402	-5,00%	108	6,416	325,642	-3,00%	107	3,600	325,783	-3,00%	329,203	325,891	-3,313	107	3,600	325,783	-3,00%	108	6,416	325,642	-3,00%	109	30,100	324,931	-5,00%	33	39,090	329,426
654+1,496	PT		33	19,932	329,062	109	14,400	325,374	-5,00%	108	6,416	325,613	-3,00%	107	3,600	325,754	-3,00%	329,178	325,862	-3,316	107	3,600	325,754	-3,00%	108	6,416	325,613	-3,00%	109	30,100	324,903	-5,00%	33	39,065	329,385
655+0,000			33	19,925	328,729	109	14,400	325,046	-5,00%	108	6,416	325,285	-3,00%	107	3,600	325,426	-3,00%	328,825	325,534	-3,291	107	3,600	325,426	-3,00%	108	6,416	325,285	-3,00%	109	30,100	324,575	-5,00%	33	38,904	328,977
655+15,000			33	19,994	328,543	109	14,400	324,814	-5,00%	108	6,416	325,053	-3,00%	107	3,600	325,194	-3,00%	328,535	325,302	-3,233	107	3,600	325,194	-3,00%	108	6,416	325,053	-3,00%	109	30,100	324,343	-5,00%	33	38,743	328,664
656+0,000			33	20,005	328,480	109	14,400	324,743	-5,00%	108	6,416	324,983	-3,00%	107	3,600	325,124	-3,00%	328,452	325,232	-3,220	107	3,600	325,124	-3,00%	108	6,416	324,983	-3,00%	109	30,100	324,272	-5,00%	33	38,732	328,588
657+0,000			33	19,761	328,069	109	14,400	324,495	-5,00%	108	6,416	324,734	-3,00%	107	3,600	324,875	-3,00%	328,119	324,983	-3,136	107	3,600	324,875	-3,00%	108	6,416	324,734	-3,00%	109	30,100	324,024	-5,00%	33	38,568	328,258
658+0,000			33	19,581	327,754	109	14,400	324,300	-5,00%	108	6,416	324,540	-3,00%	107	3,600	324,680	-3,00%	327,810	324,788	-3,022	107	3,600	324,680	-3,00%	108	6,416	324,540	-3,00%	109	30,100	323,829	-5,00%	33	38,273	327,916
659+0,000			33	19,297	327,424	109	14,400	324,159	-5,00%	108	6,416	324,399	-3,00%	107	3,600	324,540	-3,00%	327,472	324,648	-2,824	107	3,600	324,540	-3,00%	108	6,416	324,399	-3,00%	109	30,100	323,688	-5,00%	33	37,829	327,553
659+5,000		PTV	33	19,197	327,331	109	14,400	324,133	-5,00%	108	6,416	324,372	-3,00%	107	3,600	324,513	-3,00%	327,380	324,621	-2,759	107	3,600	324,513	-3,00%	108	6,416	324,372	-3,00%	109	30,100	323,662	-5,00%	33	37,695	327,459
660+0,000			33	18,849	327,024	109	14,400	324,058	-5,00%	108	6,416	324,297	-3,00%	107	3,600	324,438	-3,00%	327,081	324,546	-2,535	107	3,600	324,438	-3,00%	108	6,416	324,297	-3,00%	109	30,100	323,587	-5,00%	33	37,281	327,177
661+0,000			33	18,472	326,672	109	14,400	323,957	-5,00%	108	6,416	324,197	-3,00%	107	3,600	324,338	-3,00%	326,773	324,446	-2,327	107	3,600	324,338	-3,00%	108	6,416	324,197	-3,00%	109	30,100	323,486	-5,00%	33	36,778	326,825
662+0,000			33	18,154	326,360	109	14,400	323,857	-5,00%	108	6,416	324,097	-3,00%	107	3,600	324,238	-3,00%	326,441	324,346	-2,095	107	3,600	324,238	-3,00%	108	6,416	324,097	-3,00%	109	30,100	323,386	-5,00%	33	36,304	326,488
663+0,000			33	17,807	326,028	109	14,400	323,757	-5,00%	108	6,416	323,997	-3,00%	107	3,600	324,137	-3,00%	326,084	324,245	-1,839	107	3,600	324,137	-3,00%	108	6,416	323,997	-3,00%	109	30,100	323,286	-5,00%	33	35,964	326,218
663+16,796			33	17,583	325,795	109	14,400	323,673	-5,00%	108	6,416	323,913	-3,00%	107	3,600	324,053	-3,00%	325,795	324,161	-1,634	107	3,600	324,053	-3,00%	108	6,416	323,913	-3,00%	109	30,100	323,202	-5,00%	33	35,978	326,141

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM																COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM															
			Talude			Fim da plataforma				Início do alargamento de corte				Bordo da pista				Terreno Natural	Terraplenagem	Cota vermelha	Bordo da pista				Início do alargamento de corte				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
664+0,000			33	17,540	325,750	109	14,400	323,657	-5,000%	108	6,416	323,897	-3,000%	107	3,600	324,037	-3,000%	325,740	324,145	-1,595	107	3,600	324,055	-2,52%	108	6,416	323,914	-3,000%	109	30,100	323,203	-5,000%	33	35,922	326,114
664+16,796			33	17,279	325,492	109	14,400	323,573	-5,000%	108	6,416	323,812	-3,000%	107	3,600	323,953	-3,000%	325,501	324,061	-1,439	107	3,600	324,061	0,00%	108	6,416	323,920	-3,000%	109	30,100	323,210	-5,000%	33	35,245	325,783
665+0,000			33	17,224	325,439	109	14,400	323,557	-5,000%	108	6,416	323,796	-3,000%	107	3,600	323,937	-3,000%	325,458	324,045	-1,413	107	3,600	324,062	0,48%	108	6,416	323,922	-3,000%	109	30,100	323,211	-5,000%	33	35,116	325,719
665+7,463	PC		33	17,109	325,325	109	14,400	323,520	-5,000%	108	6,416	323,759	-3,000%	107	3,600	323,900	-3,000%	325,360	324,008	-1,352	107	3,600	324,065	1,60%	108	6,416	323,925	-3,000%	109	30,100	323,214	-5,000%	33	34,816	325,572
665+12,796			33	17,068	325,271	109	14,400	323,493	-5,000%	108	6,416	323,732	-3,000%	107	3,600	323,873	-3,000%	325,289	323,981	-1,308	107	3,600	324,068	2,40%	108	6,416	323,937	-3,000%	109	30,100	323,227	-4,600%	33	34,591	325,473
665+16,796			33	17,037	325,231	109	14,400	323,473	-5,000%	108	6,416	323,712	-3,000%	107	3,600	323,853	-3,000%	325,236	323,961	-1,275	107	3,600	324,069	3,00%	108	6,416	323,953	-3,000%	109	30,100	323,246	-4,000%	33	34,407	325,400
665+17,445			33	17,032	325,224	109	14,400	323,470	-5,000%	108	6,416	323,709	-3,000%	107	3,600	323,850	-3,000%	325,228	323,958	-1,270	107	3,600	324,066	3,00%	108	6,416	323,950	-3,000%	109	30,100	323,243	-4,000%	33	34,391	325,388
666+0,000			33	17,009	325,196	109	14,400	323,457	-5,000%	108	6,416	323,696	-3,000%	107	3,600	323,837	-3,000%	325,194	323,945	-1,249	107	3,600	324,053	3,00%	108	6,416	323,937	-3,000%	109	30,100	323,230	-4,000%	33	34,325	325,343
666+10,778			33	16,892	325,064	109	14,400	323,403	-5,000%	108	6,416	323,642	-3,000%	107	3,600	323,783	-3,000%	325,039	323,891	-1,148	107	3,600	323,999	3,00%	108	-	-	-	109	7,610	323,838	-4,000%	33	8,888	325,108
667+0,000			33	16,760	324,930	109	14,400	323,357	-5,000%	108	6,416	323,596	-3,000%	107	3,600	323,737	-3,000%	324,935	323,845	-1,090	107	3,600	323,953	3,00%	108	-	-	-	109	7,610	323,792	-4,000%	33	8,847	325,025
667+10,778			33	16,599	324,769	109	14,400	323,303	-5,000%	108	6,416	323,542	-3,000%	107	3,600	323,683	-3,000%	324,814	323,791	-1,023	107	3,600	323,899	3,00%	108	-	-	-	109	7,610	323,738	-4,000%	33	8,779	324,903
668+0,000			33	16,457	324,628	109	14,400	323,256	-5,000%	108	6,416	323,496	-3,000%	107	3,600	323,637	-3,000%	324,666	323,745	-0,921	107	3,600	323,853	3,00%	108	-	-	-	109	7,610	323,692	-4,000%	33	8,677	324,755
668+4,111			33	16,392	324,564	109	14,400	323,236	-5,000%	108	6,416	323,475	-3,000%	107	3,600	323,616	-3,000%	324,599	323,724	-0,874	107	3,600	323,832	3,00%	108	-	-	-	109	7,610	323,672	-4,000%	33	8,630	324,687
668+6,778			33	16,350	324,522	109	14,400	323,222	-5,000%	108	6,416	323,462	-3,000%	107	3,600	323,603	-3,000%	324,555	323,711	-0,844	107	3,600	323,819	3,00%	108	-	-	-	109	7,610	323,658	-4,000%	33	8,599	324,643
668+10,778			33	16,286	324,460	109	14,400	323,202	-5,000%	108	6,416	323,442	-3,000%	107	3,600	323,583	-3,000%	324,489	323,691	-0,799	107	3,600	323,799	3,00%	108	-	-	-	109	7,610	323,638	-4,000%	33	8,553	324,576
669+0,000			33	16,164	324,332	109	14,400	323,156	-5,000%	108	6,416	323,396	-3,000%	107	3,600	323,537	-3,000%	324,366	323,645	-0,722	107	3,600	323,753	3,00%	108	-	-	-	109	7,610	323,592	-4,000%	33	8,446	324,423
670+0,000			33	15,966	324,100	109	14,400	323,056	-5,000%	108	6,416	323,296	-3,000%	107	3,600	323,436	-3,000%	324,098	323,544	-0,554	107	3,600	323,652	3,00%	108	-	-	-	109	7,610	323,492	-4,000%	33	8,239	324,117
671+0,000			33	15,704	323,825	109	14,400	322,956	-5,000%	108	6,416	323,196	-3,000%	107	3,600	323,336	-3,000%	323,805	323,444	-0,360	107	3,600	323,552	3,00%	108	-	-	-	109	7,610	323,392	-4,000%	33	8,036	323,813
672+0,000			33	8,139	323,575	109	7,600	323,036	-5,000%	108	-	-	-	107	3,600	323,236	-3,000%	323,579	323,344	-0,235	107	3,600	323,452	3,00%	108	-	-	-	109	7,620	323,292	-4,000%	33	7,906	323,582
673+0,000			33	8,004	323,340	109	7,600	322,936	-5,000%	108	-	-	-	107	3,600	323,136	-3,000%	323,349	323,244	-0,105	107	3,600	323,352	3,00%	108	-	-	-	109	7,620	323,191	-4,000%	33	7,783	323,355
674+0,000			33	7,639	323,110	109	8,090	322,812	-5,000%	108	-	-	-	107	3,600	323,036	-3,000%	323,114	323,144	0,030	107	3,600	323,252	3,00%	108	-	-	-	109	7,940	323,078	-4,000%	33	7,983	323,121
675+0,000			33	7,761	322,929	109	8,090	322,711	-5,000%	108	-	-	-	107	3,600	322,936	-3,000%	322,940	323,044	0,103	107	3,600	323,152	3,00%	108	-	-	-	109	8,050	322,974	-4,000%	33	8,091	322,949
676+0,000			33	7,920	322,722	109	8,090	322,611	-5,000%	108	-	-	-	107	3,600	322,836	-3,000%	322,767	322,944	0,176	107	3,600	323,052	3,00%	108	-	-	-	109	8,050	322,873	-4,000%	33	8,256	322,739
677+0,000			33	7,997	322,571	109	8,090	322,511	-5,000%	108	-	-	-	107	3,600	322,735	-3,000%	322,586	322,843	0,257	107	3,600	322,951	3,00%	108	-	-	-	109	8,050	322,773	-4,000%	33	8,392	322,548
678+0,000			33	8,161	322,361	109	8,090	322,411	-5,000%	108	-	-	-	107	3,600	322,635	-3,000%	322,383	322,743	0,360	107	3,600	322,851	3,00%	108	-	-	-	109	8,050	322,673	-4,000%	33	8,456	322,406
679+0,000			33	8,268	322,190	109	8,090	322,311	-5,000%	108	-	-	-	107	3,600	322,535	-3,000%	322,182	322,643	0,461	107	3,600	322,751	3,00%	108	-	-	-	109	8,050	322,573	-4,000%	33	8,610	322,203
680+0,000			33	8,291	322,075	109	8,090	322,211	-5,000%	108	-	-	-	107	3,600	322,435	-3,000%	322,014	322,543	0,529	107	3,600	322,651	3,00%	108	-	-	-	109	8,050	322,473	-4,000%	33	8,714	322,033
681+0,000			33	8,245	322,005	109	8,090	322,111	-5,000%	108	-	-	-	107	3,600	322,335	-3,000%	321,966	322,443	0,476	107	3,600	322,551	3,00%	108	-	-	-	109	8,050	322,373	-4,000%	33	8,642	321,981
682+0,000			33	8,188	321,943	109	8,090	322,010	-5,000%	108	-	-	-	107	3,600	322,235	-3,000%	321,942	322,343	0,400	107	3,600	322,451	3,00%	108	-	-	-	109	8,050	322,272	-4,000%	33	8,521	321,961
683+0,000			33	7,961	321,994	109	8,090	321,910	-5,000%	108	-	-	-	107	3,600	322,135	-3,000%	321,931	322,243	0,311	107	3,600	322,351	3,00%	108	-	-	-	109	8,050	322,172	-4,000%	33	8,537	321,851
684+0,000			33	8,208	321,729	109	8,090	321,810	-5,000%	108	-	-	-	107	3,600	322,034	-3,000%	321,697	322,142	0,445	107	3,600	322,250	3,00%	108	-	-	-	109	8,050	322,072	-4,000%	33	8,589	321,716
685+0,000			33	8,274	321,585	109	8,090	321,710	-5,000%	108	-	-	-	107	3,600	321,934	-3,000%	321,616	322,042	0,426	107	3,600	322,150	3,00%	108	-	-	-	109	8,050	321,972	-4,000%	33	8,569	321,629
685+5,000		PCV	33	8,251	321,575	109	8,090	321,685	-5,000%	108	-	-	-	107	3,600	321,909	-3,000%	321,604	322,017	0,413	107	3,600	322,125	3,00%	108	-	-	-	109	8,050	321,947	-4,000%	33	8,558	321,612
686+0,000			33	8,214	321,545	109	8,090	321,630	-5,000%	108	-	-	-	107	3,600	321,854	-3,000%	321,568	321,962	0,394	107	3,600	322,070	3,00%	108	-	-	-	109	8,050	321,892	-4,000%	33	8,522	321,580
686+5,220			33	8,215	321,534	109	8,090	321,620	-5,000%	108	-	-	-	107	3,600	321,844	-3,000%	321,555	321,952	0,397	107	3,600	322,060	3,00%	108	-	-	-	109	8,060	321,882	-4,000%	33	8,498	321,587
687+0,000			33	8,263	321,501	109	8,090	321,619	-5,000%	108	-	-	-	107	3,600	321,844	-3,000%	321,546	321,952	0,406	107	3,600	322,060	3,00%	108	-	-	-	109	8,050	321,881	-4,000%	33	8,469	321,605
687+10,000			33	8,293	321,504	109	8,090	321,641	-5,000%	108	-	-	-	107	3,600	321,865	-3,000%	321,508	321,973	0,465	107	3,600	322,081	3,00%	108	-	-	-	109	8,050	321,903	-4,000%	33	8,552	321,572
688+0,000			33	8,345	321,508	109	8,090	321,681	-5,000%	108	-	-	-	107	3,600	321,905	-3,000%	321,475	322,013	0,538	107	3,600	322,121	3,00%	108	-	-	-	109	8,050	321,943	-4,000%	33	8,717	321,501
689+0,000			33	8,625	321,454	109	8,090	321,814	-5,000%	108	-	-	-	107	3,600	322,038	-3,000%	321,424	322,146	0,722	107	3,600	322,254	3,00%	108	-	-	-	109	8,050	322,076	-4,000%	33	9,079	321,393
689+15,000		PTV	33	8,956	321,381	109	8,090	321,960	-5,000%	108	-	-	-	107	3,600	322,185	-3,000%	321,344	322,293	0,949	107	3,600	322,401	3,00%	108	-	-	-	109	8,050	322,222	-4,000%	33	9,419	321,313
690+0,000			33	9,076	321,356	109	8,090	322,016	-5,000%	108	-	-	-	107	3,600	322,240	-3,000%	321,317	322,348	1,032	107	3,600	322,456	3,00%	108	-	-	-	109	8,050	322,278	-4,000%	33	9,542	321,286
691+0,000			33	9,606	321,225	109	8,090	322,239	-5,000%	108	-	-	-	107	3,600	322,463	-3,000%	321,262	322,571	1,309	107	3,600	322,679	3,00%	108	-	-	-	109	8,050	322,501	-4,000%	33	9,976	321,220
692+0,000			33	9,961	321,211	109	8,090	322,461	-5,000%	108	-	-	-	107	3,600	322,685	-3,000%	321,187	322,793	1,606	107	3,600	322,901	3,00%	108	-	-	-	109	8,050	322,723	-4,000%	33	10,492	321,099
693+0,000			33	10,492	321,080	109	8,090	322,684	-5,000%	108	-	-	-	107	3,600	322,908	-3,000%	321,068	323,016	1,948	107	3,600	323,124	3,00%	108	-	-	-	109	8,050	322,946	-4,000%	33	10,953	321,014
694+0,000			33	10,873	321,048	109	8,090	322,906	-5,000%	108	-	-	-	107	3,600	323,131	-3,000%	320,970	323,239	2,269	107	3,600	323,347	3,00%	108	-	-	-	109	8,050	323,168	-4,000%	33	11,358	320,967
695+0,000			33	11,437	320,895	109	8,090	323,129	-5,000%	108	-	-	-	107	3,600	323,353	-3,000%	320,880	323,461	2,582	107	3,600	323,569	3,00%	108	-	-	-	109	8,050	323,391	-4,000%	33	11,824	320,878
695+10,000		PCV	33	11,681	320,844	109	8,090	323,240	-5,000%	108	-	-	-	107	3,600	323,464	-3,000%	320,847	323,572	2,725	107	3,600	323,680	3,00%	108	-	-	-	109	8,050	323,502	-4,000%	33	12,201	320,738
696+0,000			33	11,901	320,800	109	8,090	323,343	-5,000%	108	-	-	-	107	3,600	323,567	-3,000%	320,800	323,675	2,875	107	3,600	323,783	3,00%	108	-	-	-	109	8,050	323,605	-4,000%	33	12,415	320,699
697+0,000			33	12,244	320,728	109	8,090	323,500	-5,000%	108	-	-	-	107	3,600	323,724	-3,000%	320,694	323,832	3,138	107	3,600	323,940	3,00%	108	-	-	-	109	8,050	323,762	-4,000%	33	12,614	320,722
697+12,106			33	12,385	320,696	109	8,070	323,574	-5,000%	108	-	-	-	107	3,600	323,788	-3,000%	320,642	323,896	3,254	107	3,600	324,004	3,00%	108	-	-	-	109	8,050	323,824	-4,000%	33	12,820	320,647
698+0,000			33	12,530	320,678	109	8,020	323,682	-3,000%	108	-	-	-	107	3,600	323,814	-3,000%	320,611	323,922	3,312	107	3,600	324,030	3,00%	108	-	-	-	109	8,050	323,852	-4,000%	33	12,937	320,598
699+0,000			33	12,819	320,596	109	8,160	323,702	-3,000%	108	-	-	-	107	3,600	323,839	-3,000%	320,588	323,947	3,359	107	3,600	324,055	3,00%	108	-	-	-	109	8,050	323,877	-4,000%	33	12,995	320,584
699+5,050			33	13,090	320,577	109	8,420	323,690	-3,000%	108	-	-	-	107	3,600	323,835	-3,000%	320,584	323,943	3,359	107	3,600	324,051	3,00%	108	-	-	-	109	7,860	324,178	-4,000%	33	13,257	320,579
700+0,000			33	13,877	320,504	109	9,190	323,630	-3,000%	108	-	-	-	107	3,600	323,797	-3,000%	320,455	323,905	3,451	107	3,600	324,013	3,00%	108	-	-	-	109	7,860	324,141	3,00%	33	13,218	320,568
700+10,000		PTV	33	14,340	320,478	109	9,700	323,569	-3,000%	108	-	-	-	107	3,600	323,752	-3,000%	320,363	323,860	3,497	107	3,600	323,968	3,00%	108	-	-	-	109	7,860	324,095	3,00%	33	13,184	320,545
701+0,000			33	14,833	320,423	109	10,280	323,458	-3,000%	108	-	-	-	107	3,600	323,698	-3,000%	320,326	323,806	3,480	107	3,600	323,914	3,00%	108	-	-	-	109	8,560	323,926	3,00%	33	13,641	320,537
701+2,106			33	14,937	320,410	109	10,320	323,485	-3,000%	108	-	-	-	107	3,600	323,687	-3,000%	320,318	323,795	3,477	107	3,600	323,903	3,00%	108	-	-	-	109	8,470	324,049	3,00%	33	13,753	320,527
702+0,000			33	14,927	320,320	109	10,320	323,389	-3,000%	108	-	-	-	107	3,600	323,590	-3,000%	320,261	323,698	3,437	107	3,600	323,806	3,00%	108	-	-	-	109	9,390	323,980	3,00%	33	14,700	320,441
702+12,106			33	14,918	320,260	109	10,320	323,323	-3,000%	108	-	-	-	107	3,600	323,525	-3,000%	320,230	323,633	3,403	107	3,600	323,741	3,00%	108	-	-	-	109	10,020	323,934	3,00%	33	15,343	320,382
702+14,902			33	14,951	320,250	109	10,370	323,307	-3,000%	108	-	-	-	107	3,600	323,510	-3,000%	320,227	323,618	3,391	107	3,600	323,726	3,00%	108	-	-	-	109	10,160	323,923	3,00%	33	15,489	320,369
703+0,000			33	15,031	320,231	109	10,460	323,277	-3,000%	108	-	-	-	107	3,600	323,483	-3,000%	320,222	323,591	3,368	107	3,600	323,699	3,00%	108	-	-	-	109	10,160	323,895	3,00%	33	15,479	320,348
703+4,882			33	15,132	320,213	109	10,580	323,247	-3,000%	108	-	-	-	107	3,600	323,456	-3,000%	320,217	323,564	3,347	107	3,600	323,672	3,00%	108	-	-	-	109	10,160	323,869	3,00%	33	15,470	320,328
704+0,000			33	15,534	320,203	109	11,110	323,150	-3,000%	108	-	-	-	107	3,600	323,375	-3,000%	320,195	323,483	3,288	107	3,600	323,591	3,00%	108	-	-	-	109	10,600	323,801	3,00%	33	15,930	320,248
704+5,000		PCV	33	15,747	320,188	109	11,360	323,115	-3,000%	108	-	-	-	107	3,600	323,348	-3,000%	320,199	323,456	3,257	107	3,600	323,564	3,00%	108	-	-	-	109	10,850	323,782	3,00%	33	16,167	320,238
705+0,000			33	17,061	320,151	109	12,730	323,040	-3,000%	108	-	-	-	107	3,600	323,314	-3,000%	320,160	323,422	3,263	107	3,600	323,530	3,00%	108	-	-	-	109	11,950	323,781	3,00%	33	17,295	320,215
706+0,000			33	20,444	320,138	109	16,090	323,040	-3,000%	108	-	-	-	107	3,600	323,414	-3,000%	320,155	323,522	3,367	107	3,600	323,630	3,00%	108	-	-	-	109	15,030	323,630	0,00%	33	20,204	320,183
706+5,573			33	7,200	320,023	109	7,200	323,364	-3,000%	108	-	-	-	107	3,600	323,471	-3,000%	320,153	323,580	3,427	107	3,600	323,688	3,00%	108	-	-	-	109	16,260	323,435	-2,000%	33	21,145	320,181
706+7,169			33	7,200	320,016	109	7,200	323,383	-3,000%	108	-	-	-	107	3,600	323,491	-3,000%	320,152	323,599	3,447	107	3,600	323,707	3,00%	108	-	-	-	109	16,600	323,317	-3,000%	33	21,309	320,180
706+13,644			33	6,101	319,992	109	6,100	323,503	-3,000%	108	-	-	-	107	3,600	323,878	-3,000%	320,143	323,686	3,544	107	3,600	323,794	3,00%	108	-	-	-	109	18,270	323,354	-3,000%	33	23,022	320,188
706+14,076			33	6,101	319,990	109	6,100	323,510	-3,000%	108	-	-	-	107	3,600	323,585	-3,000%	320,142	323,693	3,551	107	3,600	323,798	2,94%	108	-	-	-	109	15,500	323,584	-1,80%	33	15,500	320,139
706+15,905			33	9,553	319,978	109	8,090	323,388	-5,000%	108	-	-	-	107	3,600	323,613	-3,000%	320,138	323,721	3,583	107	3,600	323,817	2,66%	108	-	-	-	109	6,100	323,883	2,66%	33	6,100	320,091

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM																COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM															
			Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista				Terreno Natural	Terraplenagem	Cota vermelha	Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
706+17,967			33	8,149	319,976	109	8,090	323,416	-5,00%	108	-	-	-	107	3,600	323,641	-3,00%	320,130	323,749	3,619	107	3,600	323,835	2,35%	108	-	-	-	109	6,100	323,895	2,35%	33	6,098	320,088
707+0,000			33	13,227	320,029	109	8,090	323,457	-5,00%	108	-	-	-	107	3,600	323,681	-3,00%	320,119	323,789	3,670	107	3,600	323,863	2,05%	108	-	-	-	109	6,100	323,914	2,05%	33	6,098	320,085
707+2,977	PT		33	9,025	319,976	109	8,090	323,510	-5,00%	108	-	-	-	107	3,600	323,735	-3,00%	320,105	323,843	3,737	107	3,600	323,900	1,60%	108	-	-	-	109	6,100	323,940	1,60%	33	6,100	320,082
707+5,000			33	9,405	319,980	109	8,090	323,549	-5,00%	108	-	-	-	107	3,600	323,773	-3,00%	320,096	323,881	3,785	107	3,600	323,928	1,30%	108	-	-	-	109	6,100	323,961	1,30%	33	6,100	320,079
707+5,931			33	9,585	319,982	109	8,090	323,567	-5,00%	108	-	-	-	107	3,600	323,792	-3,00%	320,092	323,900	3,808	107	3,600	323,941	1,16%	108	-	-	-	109	6,100	323,970	1,16%	33	6,100	320,078
707+13,644			33	11,188	319,999	109	8,090	323,734	-5,00%	108	-	-	-	107	3,600	323,958	-3,00%	320,055	324,066	4,011	107	3,600	324,066	0,00%	108	-	-	-	109	8,090	323,842	-5,00%	33	9,810	320,085
708+0,000			33	12,693	320,013	109	8,090	323,889	-5,00%	108	-	-	-	107	3,600	324,114	-3,00%	320,025	324,222	4,196	107	3,600	324,187	-0,95%	108	-	-	-	109	8,090	323,963	-5,00%	33	11,074	320,083
708+13,644			33	14,551	319,970	109	8,090	324,280	-5,00%	108	-	-	-	107	3,600	324,504	-3,00%	319,997	324,612	4,615	107	3,600	324,504	-3,00%	108	-	-	-	109	8,090	324,280	-5,00%	33	14,416	320,060
709+0,000			33	14,908	319,941	109	8,090	324,488	-5,00%	108	-	-	-	107	3,600	324,713	-3,00%	319,973	324,821	4,847	107	3,600	324,713	-3,00%	108	-	-	-	109	8,090	324,488	-5,00%	33	14,768	320,034
709+2,712			33	15,068	319,928	109	8,090	324,582	-5,00%	108	-	-	-	107	3,600	324,807	-3,00%	319,969	324,915	4,946	107	3,600	324,807	-3,00%	108	-	-	-	109	8,090	324,582	-5,00%	33	14,926	320,022
709+6,712			33	15,329	319,908	109	8,090	324,736	-5,00%	108	-	-	-	107	3,600	324,961	-3,00%	319,963	325,069	5,106	107	3,600	324,961	-3,00%	108	-	-	-	109	8,090	324,736	-5,00%	33	15,184	320,005
709+9,379			33	15,472	319,902	109	8,090	324,827	-5,00%	108	-	-	-	107	3,600	325,051	-3,00%	319,963	325,159	5,196	107	3,600	325,051	-3,00%	108	-	-	-	109	8,090	324,827	-5,00%	33	15,334	319,994
710+0,000			33	16,119	319,899	109	8,090	325,253	-5,00%	108	-	-	-	107	3,600	325,478	-3,00%	319,971	325,586	5,615	107	3,600	325,478	-3,00%	108	-	-	-	109	8,090	325,253	-5,00%	33	16,042	319,950
710+2,712			33	16,297	319,896	109	8,090	325,370	-5,00%	108	-	-	-	107	3,600	325,595	-3,00%	325,702	325,702	0,000	107	3,600	325,594	-3,00%	108	-	-	-	109	8,090	325,370	-5,00%	33	16,233	319,939
710+5,000		PTV	33	16,452	319,894	109	8,090	325,471	-5,00%	108	-	-	-	107	3,600	325,695	-3,00%	319,973	325,803	5,830	107	3,600	325,695	-3,00%	108	-	-	-	109	8,090	325,471	-5,00%	33	16,395	319,932
710+10,000		PCV	33	16,793	319,889	109	8,090	325,693	-5,00%	108	-	-	-	107	3,600	325,918	-3,00%	319,965	326,026	6,061	107	3,600	325,918	-3,00%	108	-	-	-	109	8,090	325,693	-5,00%	33	16,741	319,924
711+0,000			33	17,444	319,883	109	8,090	326,122	-5,00%	108	-	-	-	107	3,600	326,346	-3,00%	319,946	326,454	6,508	107	3,600	326,346	-3,00%	108	-	-	-	109	8,090	326,122	-5,00%	33	17,398	319,914
711+2,712			33	17,609	319,884	109	8,090	326,232	-5,00%	108	-	-	-	107	3,600	326,456	-3,00%	319,940	326,564	6,624	107	3,600	326,456	-3,00%	108	-	-	-	109	8,090	326,232	-5,00%	33	17,575	319,906
711+16,045			33	18,367	319,886	109	8,090	326,740	-5,00%	108	-	-	-	107	3,600	326,964	-3,00%	319,908	327,072	7,164	107	3,600	326,964	-3,00%	108	-	-	-	109	8,090	326,740	-5,00%	33	18,385	319,874
712+0,000			33	18,576	319,886	109	8,090	326,879	-5,00%	108	-	-	-	107	3,600	327,103	-3,00%	319,899	327,211	7,312	107	3,600	327,103	-3,00%	108	-	-	-	109	8,090	326,879	-5,00%	33	18,603	319,868
713+0,000			33	19,583	319,839	109	8,090	327,503	-5,00%	108	-	-	-	107	3,600	327,728	-3,00%	319,842	327,836	7,994	107	3,600	327,728	-3,00%	108	-	-	-	109	8,090	327,503	-5,00%	33	14,905	319,814
713+18,466			33	18,112	319,791	109	8,090	327,962	-5,00%	108	-	-	-	107	3,600	328,186	-3,00%	319,802	328,294	8,492	107	3,600	328,186	-3,00%	108	-	-	-	109	6,100	328,111	-3,00%	33	6,100	319,755
714+0,000			33	17,336	321,786	109	8,090	327,995	-5,00%	108	-	-	-	107	3,600	328,219	-3,00%	319,801	328,327	8,526	107	3,600	328,219	-3,00%	108	-	-	-	109	6,100	328,144	-3,00%	33	6,100	319,754
714+4,530			33	15,172	319,772	109	8,090	328,088	-5,00%	108	-	-	-	107	3,600	328,312	-3,00%	319,795	328,420	8,625	107	3,600	328,312	-3,00%	108	-	-	-	109	6,100	328,237	-3,00%	33	6,100	319,751
714+5,000			33	14,956	319,765	109	8,090	328,098	-5,00%	108	-	-	-	107	3,600	328,321	-3,00%	319,793	328,429	8,636	107	3,600	328,321	-3,00%	108	-	-	-	109	7,620	328,171	-3,75%	33	7,618	319,738
714+7,895			33	13,679	319,762	109	8,090	328,152	-5,00%	108	-	-	-	107	3,600	328,377	-3,00%	319,786	328,485	8,699	107	3,600	328,377	-3,00%	108	-	-	-	109	13,860	327,827	-5,36%	33	13,858	319,689
715+0,000			33	7,200	319,705	109	7,200	328,470	-3,00%	108	-	-	-	107	3,600	328,578	-3,00%	319,756	328,686	8,930	107	3,600	328,578	-3,00%	108	-	-	-	109	13,610	328,278	-3,00%	33	31,163	319,641
715+1,623			33	6,100	319,651	109	6,100	328,526	-3,00%	108	-	-	-	107	3,600	328,601	-3,00%	319,749	328,709	8,960	107	3,600	328,601	-3,00%	108	-	-	-	109	13,160	328,315	-3,00%	33	30,727	319,667
715+7,285			33	6,100	319,631	109	6,100	328,601	-3,00%	108	-	-	-	107	3,600	328,676	-3,00%	319,725	328,784	9,059	107	3,600	328,676	-3,00%	108	-	-	-	109	11,920	328,426	-3,00%	33	29,545	319,741
715+11,132			33	14,672	319,664	109	-14,670	328,093	-5,66%	108	-	-	-	107	3,600	328,720	-3,00%	319,708	328,828	9,120	107	3,600	328,720	-3,00%	108	-	-	-	109	11,340	328,488	-3,00%	33	29,099	319,718
716+0,000			33	32,932	319,727	109	-15,300	328,413	-3,00%	108	-	-	-	107	3,600	328,804	-3,00%	319,668	328,912	9,244	107	3,600	328,804	-3,00%	108	-	-	-	109	10,420	328,560	-3,00%	33	28,365	319,661
716+13,630			33	29,651	319,725	109	-11,680	328,640	-3,00%	108	-	-	-	107	3,600	328,882	-3,00%	319,567	328,990	9,423	107	3,600	328,882	-3,00%	108	-	-	-	109	9,620	328,701	-3,00%	33	27,983	319,529
717+0,000			33	28,920	319,702	109	-10,920	328,638	-3,00%	108	-	-	-	107	3,600	328,897	-3,00%	319,483	329,005	9,522	107	3,600	328,897	-3,00%	108	-	-	-	109	9,690	328,675	-3,00%	33	28,088	319,474
717+10,430			33	28,170	319,622	109	9,950	328,703	-3,00%	108	-	-	-	107	3,600	328,893	-3,00%	319,346	329,001	9,655	107	3,600	328,893	-3,00%	108	-	-	-	109	9,620	328,713	-3,00%	33	28,195	319,398
717+16,938			33	27,984	319,543	109	9,660	328,691	-3,00%	108	-	-	-	107	3,600	328,872	-3,00%	319,277	328,980	9,703	107	3,600	328,872	-3,00%	108	-	-	-	109	9,620	328,692	-3,00%	33	28,149	319,408
717+18,557																																						
718+0,000		PTV																																				
718+0,176																																						
719+0,000																																						
720+0,000																																						
720+16,938																																						
720+18,557																																						
720+18,655			33	27,585	319,459	109	9,620	328,366	-3,00%	108	-	-	-	107	3,600	328,547	-3,00%	319,418	328,655	9,237	107	3,600	328,547	-3,00%	108	-	-	-	109	9,620	328,366	-3,00%	33	27,675	319,399
721+0,000			33	27,580	319,455	109	9,690	328,318	-3,00%	108	-	-	-	107	3,600	328,540	-3,00%	319,403	328,648	9,246	107	3,600	328,540	-3,00%	108	-	-	-	109	9,720	328,317	-3,00%	33	27,694	319,400
721+0,071			33	27,580	319,455	109	9,620	328,359	-3,00%	108	-	-	-	107	3,600	328,540	-3,00%	319,402	328,648	9,246	107	3,600	328,540	-3,00%	108	-	-	-	109	9,660	328,358	-3,00%	33	27,696	319,400
722+0,000		PCV	33	27,547	319,371	109	9,690	328,212	-3,00%	108	-	-	-	107	3,600	328,434	-3,00%	319,446	328,542	9,096	107	3,600	328,434	-3,00%	108	-	-	-	109	11,260	328,165	-3,00%	33	29,072	319,358
722+3,582			33	27,473	319,400	109	9,620	328,233	-3,00%	108	-	-	-	107	3,600	328,413	-3,00%	319,420	328,521	9,101	107	3,600	328,413	-3,00%	108	-	-	-	109	11,690	328,171	-3,00%	33	29,550	319,328
723+0,000			33	28,340	319,319	109	-10,630	328,061	-3,00%	108	-	-	-	107	3,600	328,272	-3,00%	319,323	328,380	9,056	107	3,600	328,272	-3,00%	108	-	-	-	109	14,470	327,945	-3,00%	33	14,471	319,165
723+6,078			33	28,996	319,266	109	-11,350	327,967	-3,00%	108	-	-	-	107	3,600	328,200	-3,00%	319,324	328,308	8,984	107	3,600	328,200	-3,00%	108	-	-	-	109	14,680	327,643	-5,02%	33	14,679	319,214
723+9,919			33	29,488	319,243	109	-11,900	327,900	-3,00%	108	-	-	-	107	3,600	328,149	-3,00%	319,324	328,257	8,933	107	3,600	328,149	-3,00%	108	-	-	-	109	6,100	328,024	-5,00%	33	6,100	319,204
723+13,819			33	30,156	319,238	109	-12,680	327,820	-3,00%	108	-	-	-	107	3,600	328,093	-3,00%	319,324	328,201	8,877	107	3,600	328,093	-3,00%	108	-	-	-	109	8,080	327,869	-5,00%	33	8,079	319,221
724+0,000			33	31,712	319,231	109	-14,450	327,670	-3,00%	108	-	-	-	107	3,600	327,995	-3,00%	319,301	328,103	8,802	107	3,600	327,995	-3,00%	108	-	-	-	109	8,090	327,771	-5,00%	33	9,991	319,285
724+9,315			33	13,859	319,206	109	-13,860	327,231	-5,82%	108	-	-	-	107	3,600	327,828	-3,00%	319,304	327,936	8,632	107	3,600	327,828	-3,00%	108	-	-	-	109	8,090	327,604	-5,00%	33	13,519	319,310
724+12,680			33	6,100	319,259	109	6,100	327,687	-3,00%	108	-	-	-	107	3,600	327,762	-3,00%	319,302	327,870	8,568	107	3,600	327,762	-3,00%	108	-	-	-	109	8,090	327,537	-5,00%	33	14,989	319,304
724+18,746			33	6,100	319,255	109	6,100	327,559	-3,00%	108	-	-	-	107	3,600	327,634	-3,00%	319,298	327,742	8,443	107	3,600	327,634	-3,00%	108	-	-	-	109	8,090	327,409	-5,00%	33	17,888	319,316
725+0,000			33	24,876	319,256	109	8,090	327,382	-5,00%	108	-	-	-	107	3,600	327,606	-3,00%	319,298	327,714	8,416	107	3,600	327,606	-3,00%	108	-	-	-	109	8,090	327,382	-5,00%	33	18,525	319,293
725+10,000			33	24,447	319,304	109	8,090	327,144	-5,00%	108	-	-	-	107	3,600	327,369	-3,00%	319,291	327,477	8,186	107	3,600	327,369	-3,00%	108	-	-	-	109	8,090	327,144	-5,00%	33	24,517	319,257
726+0,000			33	11,886	319,318	109	8,090	326,879	-5,00%	108	-	-	-	107	3,600	327,103	-3,00%	319,323	327,211	7,888	107	3,600	327,103	-3,00%	108	-	-	-	109	8,090	326,879	-5,00%	33	19,482	319,282
727+0,000			33	18,524	319,304	109	8,090	326,263	-5,00%	108	-	-	-	107	3,600	326,487	-3,00%	319,310	326,595	7,285	107	3,600	326,487	-3,00%	108	-	-	-	109	8,090	326,263	-5,00%	33	18,502	319,319
728+0,000			33	17,325	319,374	109	8,090	325,533	-5,00%	108	-	-	-	107	3,600	325,757	-3,00%	319,318	325,865	6,547	107	3,600	325,757	-3,00%	108	-	-	-	109	8,090	325,533	-5,00%	33	17,239	319,431
729+0,000		PTV	33	16,119	319,335	109	8,090	324,690	-5,00%	108	-	-	-	107	3,600	324,914	-3,00%	319,445	325,022	5,577	107	3,600	324,914	-3,00%	108	-	-	-	109	8,090	324,690	-5,00%	33	16,085	319,357
729+8,315			33	15,544	319,344	109	8,090	324,316	-5,00%	108	-	-	-	107	3,600	324,540	-3,00%	319,448	324,648	5,200	107	3,600	324,540	-3,00%	108	-	-	-	109	8,090	324,316	-5,00%	33	15,578	319,321
730+0,000			33	14,730	319,361	109	8,090	323,790	-5,00%	108	-	-	-	107	3,600	324,014	-3,00%	319,457	324,122	4,665	107	3,600	324,014	-3,00%	108	-	-	-	109	8,090	323,790	-5,00%	33	14,667	319,403
730+1,042			33	14,657	319,362	109	8,090	323,743	-5,00%	108	-	-	-	107	3,600	323,967	-3,00%	319,459	324,075	4,616	107	3,600	323,967	-3,00%	108	-	-	-	109	8,090	323,743	-5,00%	33	14,586	319,410
730+9,167			33	12,272	319,350	109	8,090	323,377	-5,00%	108	-	-	-	107	3,600	323,602	-3,00%	319,474	323,710	4,236	107	3,600	323,602	-3,00%	108	-	-	-	109	8,090	323,377	-5,00%	33	11,879	319,467
731+0,000		PCV	33	10,054	321,578	109	8,090	322,890	-5,00%	108	-	-	-	107	3,600	323,114	-3,00%	319,471	323,222	3,751	107	3,600	323,176	-1,30%	108	-	-	-	109	8,090	322,951	-5,00%	33	9,668	319,543
731+0,133			33	10,029	319,318	109	8,090	322,884	-5,00%	108	-	-	-	107	3,600	323,108	-3,00%	319,470	323,216	3,746	107	3,600	323,170	-1,28%	108	-	-	-	109	8,090	322,946	-5,00%	33	9,643	319,527
731+7,372			33	8,750	319,327	109	8,090	322,566	-5,00%	108	-	-	-	107	3,600	322,790	-3,00%	319,439	322,898	3,459	107	3,600	322,893	-0,14%	108	-	-	-	109	8,090	322,669	-5,00%	33	8,372	319,547
731+8,258			33	10,943	319,345	109	8,090	322,528	-5,00%	108	-	-	-	107	3,600	322,752	-3,00%	319,436	322,860	3,425	107	3,600	322,860	0,00%	108	-	-	-	109	8,090	322,636	-5,00%	33	8,230	319,545
731+9,432			33	8,086	319,326	109	8,090	322,478	-5,00%	108	-	-	-	107	3,600	322,702	-3,00%	319,431	322,810	3,380	107	3,600	322,817	0,18%	108	-	-	-	109	8,090	322,593	-5,00%	33	8,086	319,543
731+14,133			33	6,100	319,371	109	6,100	322,431	-3,00%	108	-	-	-	107	3,600	322,506	-3,00%	319,411	322,614	3,203	107	3,600	322,648	0,94%	108	-	-	-	109	6,100	322,671	0,92%	33	6,100	319,505

OAE - EST.717+18,557 a EST.720+18,557

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		BR-158/262-MS																																
ESTACA			LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM															COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM														
			Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista							Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
731+17,592	PC		33	- 6,101	319,403	109	- 6,100	322,291	-3,00%	108	-	-	-	107	- 3,600	322,366	-3,00%	319,411	322,474	3,063	107	3,600	322,527	1,47%	108	-	-	-	109	6,100	322,563	1,47%	33	6,100	319,499
731+18,129			33	- 6,101	319,409	109	- 6,100	322,269	-3,00%	108	-	-	-	107	- 3,600	322,344	-3,00%	319,415	322,452	3,037	107	3,600	322,508	1,56%	108	-	-	-	109	6,100	322,547	1,56%	33	6,100	319,498
732+0,000			33	- 14,410	319,432	109	- 14,410	321,768	-4,65%	108	-	-	-	107	- 3,600	322,270	-3,00%	319,431	322,378	2,947	107	3,600	322,445	1,85%	108	-	-	-	109	6,100	322,491	1,85%	33	6,100	319,494
732+0,448			33	- 21,750	319,474	109	- 18,240	321,813	-3,00%	108	-	-	-	107	- 3,600	322,253	-3,00%	319,435	322,361	2,926	107	3,600	322,430	1,92%	108	-	-	-	109	6,100	322,477	1,88%	33	6,100	319,493
732+7,349			33	- 19,763	319,503	109	- 16,620	321,598	-3,00%	108	-	-	-	107	- 3,600	321,988	-3,00%	319,492	322,096	2,604	107	3,600	322,204	3,00%	108	-	-	-	109	16,170	321,827	-3,00%	33	19,590	319,549
733+0,000			33	- 16,890	319,501	109	- 14,290	321,217	-3,00%	108	-	-	-	107	- 3,600	321,538	-3,00%	319,579	321,646	2,067	107	3,600	321,754	3,00%	108	-	-	-	109	13,690	321,653	-1,00%	33	16,873	319,531
734+0,000			33	- 13,714	319,460	109	- 11,900	320,668	-3,00%	108	-	-	-	107	- 3,600	320,917	-3,00%	319,626	321,025	1,399	107	3,600	321,133	3,00%	108	-	-	-	109	11,410	321,133	0,00%	33	13,776	319,555
734+10,000			33	- 12,708	319,438	109	- 11,240	320,420	-3,00%	108	-	-	-	107	- 3,600	320,649	-3,00%	319,605	320,757	1,151	107	3,600	320,865	3,00%	108	-	-	-	109	10,730	321,079	3,00%	33	13,060	319,527
735+0,000			33	- 12,047	319,405	109	- 10,870	320,190	-3,00%	108	-	-	-	107	- 3,600	320,408	-3,00%	319,565	320,516	0,951	107	3,600	320,624	3,00%	108	-	-	-	109	10,330	320,826	3,00%	33	12,368	319,471
735+8,027			33	- 11,606	319,378	109	- 10,640	320,024	-3,00%	108	-	-	-	107	- 3,600	320,235	-3,00%	319,507	320,343	0,836	107	3,600	320,451	3,00%	108	-	-	-	109	10,160	320,648	3,00%	33	11,989	319,428
736+0,000			33	- 11,061	319,349	109	- 10,370	319,808	-3,00%	108	-	-	-	107	- 3,600	320,011	-3,00%	319,423	320,119	0,696	107	3,600	320,227	3,00%	108	-	-	-	109	10,160	320,424	3,00%	33	11,733	319,374
736+2,841			33	- 10,949	319,345	109	- 10,320	319,762	-3,00%	108	-	-	-	107	- 3,600	319,964	-3,00%	319,404	320,072	0,668	107	3,600	320,180	3,00%	108	-	-	-	109	10,160	320,376	3,00%	33	11,689	319,356
736+12,854			33	- 10,746	319,332	109	- 10,320	319,613	-3,00%	108	-	-	-	107	- 3,600	319,815	-3,00%	319,340	319,923	0,583	107	3,600	320,031	3,00%	108	-	-	-	109	10,160	320,227	3,00%	33	11,473	319,351
736+18,029			33	- 10,404	319,325	109	- 10,060	319,555	-3,00%	108	-	-	-	107	- 3,600	319,749	-3,00%	319,318	319,857	0,539	107	3,600	319,965	3,00%	108	-	-	-	109	10,160	320,161	3,00%	33	11,370	319,353
737+0,000			33	- 10,277	319,322	109	- 9,960	319,535	-3,00%	108	-	-	-	107	- 3,600	319,725	-3,00%	319,319	319,833	0,515	107	3,600	319,941	3,00%	108	-	-	-	109	10,060	320,135	3,00%	33	11,230	319,354
738+0,000		PTV	33	- 9,148	319,246	109	- 8,930	319,392	-3,00%	108	-	-	-	107	- 3,600	319,552	-3,00%	319,285	319,660	0,374	107	3,600	319,768	3,00%	108	-	-	-	109	9,030	319,930	3,00%	33	9,923	319,335
738+5,000		PCV	33	- 8,923	319,203	109	- 8,670	319,370	-3,00%	108	-	-	-	107	- 3,600	319,522	-3,00%	319,227	319,630	0,403	107	3,600	319,738	3,00%	108	-	-	-	109	8,770	319,893	3,00%	33	9,629	319,322
739+0,000			33	- 8,374	319,059	109	- 8,020	319,293	-3,00%	108	-	-	-	107	- 3,600	319,425	-3,00%	319,094	319,533	0,440	107	3,600	319,641	3,00%	108	-	-	-	109	8,000	319,773	3,00%	33	8,892	319,180
740+0,000			33	- 8,326	318,938	109	- 8,020	319,139	-3,00%	108	-	-	-	107	- 3,600	319,272	-3,00%	319,071	319,380	0,309	107	3,600	319,488	3,00%	108	-	-	-	109	7,860	319,615	3,00%	33	8,642	319,093
740+2,854			33	- 9,407	318,893	109	- 9,300	318,962	-3,00%	108	-	-	-	107	- 3,600	319,247	-3,00%	319,048	319,355	0,307	107	3,600	319,463	3,00%	108	-	-	-	109	7,860	319,591	3,00%	33	8,644	319,067
740+8,029			33	- 8,261	318,861	109	- 8,090	318,977	-5,00%	108	-	-	-	107	- 3,600	319,202	-3,00%	319,006	319,310	0,304	107	3,600	319,418	3,00%	108	-	-	-	109	7,860	319,545	3,00%	33	8,681	318,997
741+0,000			33	- 8,179	318,803	109	- 8,090	318,865	-5,00%	108	-	-	-	107	- 3,600	319,089	-3,00%	318,908	319,197	0,289	107	3,600	319,305	3,00%	108	-	-	-	109	8,050	319,127	-4,00%	33	8,395	318,900
742+0,000			33	- 7,982	318,723	109	- 7,920	318,662	-5,00%	108	-	-	-	107	- 3,600	318,878	-3,00%	318,739	318,986	0,247	107	3,600	319,094	3,00%	108	-	-	-	109	8,050	318,916	-4,00%	33	8,283	318,763
742+5,000			33	- 7,992	318,659	109	- 7,940	318,604	-5,00%	108	-	-	-	107	- 3,600	318,821	-3,00%	318,714	318,929	0,215	107	3,600	319,037	3,00%	108	-	-	-	109	8,060	318,858	-4,00%	33	8,252	318,727
743+0,000			33	- 8,004	318,469	109	- 7,960	318,420	-5,00%	108	-	-	-	107	- 3,600	318,638	-3,00%	318,614	318,746	0,133	107	3,600	318,854	3,00%	108	-	-	-	109	8,050	318,676	-4,00%	33	8,140	318,619
744+0,000			33	- 7,960	318,230	109	- 7,890	318,155	-5,00%	108	-	-	-	107	- 3,600	318,370	-3,00%	318,368	318,478	0,110	107	3,600	318,586	3,00%	108	-	-	-	109	7,980	318,410	-4,00%	33	8,010	318,437
745+0,000			33	- 7,845	318,009	109	- 7,700	317,868	-5,00%	108	-	-	-	107	- 3,600	318,073	-3,00%	318,135	318,181	0,046	107	3,600	318,289	3,00%	108	-	-	-	109	7,830	318,120	-4,00%	33	7,913	318,205
746+0,000			33	- 7,900	317,847	109	- 7,600	317,547	-5,00%	108	-	-	-	107	- 3,600	317,747	-3,00%	317,823	317,855	0,032	107	3,600	317,963	3,00%	108	-	-	-	109	7,730	317,798	-4,00%	33	7,852	317,920
746+5,000		PTV	33	- 7,925	317,786	109	- 7,600	317,461	-5,00%	108	-	-	-	107	- 3,600	317,661	-3,00%	317,734	317,769	0,035	107	3,600	317,877	3,00%	108	-	-	-	109	7,690	317,714	-4,00%	33	7,827	317,851
747+0,000			33	- 8,005	317,605	109	- 7,600	317,201	-5,00%	108	-	-	-	107	- 3,600	317,401	-3,00%	317,510	317,509	-0,001	107	3,600	317,617	3,00%	108	-	-	-	109	7,540	317,459	-4,00%	33	7,734	317,653
748+0,000			33	- 8,102	317,356	109	- 7,600	316,854	-5,00%	108	-	-	-	107	- 3,600	317,054	-3,00%	317,376	317,162	-0,215	107	3,600	317,270	3,00%	108	-	-	-	109	7,610	317,109	-4,00%	33	7,938	317,433
749+0,000			33	- 8,094	317,001	109	- 7,600	316,507	-5,00%	108	-	-	-	107	- 3,600	316,707	-3,00%	317,117	316,815	-0,303	107	3,600	316,923	3,00%	108	-	-	-	109	7,430	316,769	-4,00%	33	7,665	317,004
750+0,000			33	- 8,168	316,727	109	- 7,600	316,159	-5,00%	108	-	-	-	107	- 3,600	316,359	-3,00%	316,824	316,467	-0,357	107	3,600	316,575	3,00%	108	-	-	-	109	7,610	316,415	-4,00%	33	7,969	316,769
751+0,000			33	- 8,224	316,437	109	- 7,600	315,812	-5,00%	108	-	-	-	107	- 3,600	316,012	-3,00%	316,414	316,120	-0,293	107	3,600	316,228	3,00%	108	-	-	-	109	7,610	316,068	-4,00%	33	8,024	316,477
751+17,770			33	- 8,172	316,076	109	- 7,600	315,504	-5,00%	108	-	-	-	107	- 3,600	315,704	-3,00%	316,159	315,812	-0,347	107	3,600	315,920	3,00%	108	-	-	-	109	7,370	315,769	-4,00%	33	7,630	316,025
752+0,000			33	- 8,165	316,030	109	- 7,600	315,465	-5,00%	108	-	-	-	107	- 3,600	315,665	-3,00%	316,123	315,773	-0,350	107	3,600	315,881	3,00%	108	-	-	-	109	7,440	315,728	-4,00%	33	7,668	315,961
753+0,000			33	- 8,106	315,624	109	- 7,600	315,118	-5,00%	108	-	-	-	107	- 3,600	315,318	-3,00%	315,758	315,426	-0,332	107	3,600	315,534	3,00%	108	-	-	-	109	7,470	315,379	-4,00%	33	7,691	315,598
754+0,000			33	- 8,079	315,250	109	- 7,600	314,771	-5,00%	108	-	-	-	107	- 3,600	314,971	-3,00%	315,280	315,079	-0,201	107	3,600	315,187	3,00%	108	-	-	-	109	7,610	315,026	-4,00%	33	7,918	315,330
755+0,000			33	- 8,133	314,957	109	- 7,600	314,424	-5,00%	108	-	-	-	107	- 3,600	314,624	-3,00%	315,111	314,732	-0,379	107	3,600	314,840	3,00%	108	-	-	-	109	7,610	314,679	-4,00%	33	8,051	315,116
756+0,000			33	- 8,067	314,544	109	- 7,600	314,077	-5,00%	108	-	-	-	107	- 3,600	314,277	-3,00%	314,710	314,385	-0,325	107	3,600	314,493	3,00%	108	-	-	-	109	7,610	314,332	-4,00%	33	7,995	314,713
757+0,000			33	- 7,946	314,076	109	- 7,600	313,729	-5,00%	108	-	-	-	107	- 3,600	313,929	-3,00%	314,144	314,037	-0,106	107	3,600	314,145	3,00%	108	-	-	-	109	7,430	313,992	-4,00%	33	7,663	314,228
758+0,000			33	- 7,625	313,665	109	- 7,360	313,395	-5,00%	108	-	-	-	107	- 3,600	313,582	-3,00%	313,625	313,690	0,066	107	3,600	313,798	3,00%	108	-	-	-	109	7,740	313,633	-4,00%	33	7,860	313,750
759+0,000			33	- 7,765	313,225	109	- 7,580	313,036	-5,00%	108	-	-	-	107	- 3,600	313,235	-3,00%	313,318	313,343	0,026	107	3,600	313,451	3,00%	108	-	-	-	109	7,970	313,276	-4,00%	33	8,004	313,307
760+0,000			33	- 7,956	312,751	109	- 7,880	312,674	-5,00%	108	-	-	-	107	- 3,600	312,888	-3,00%	312,820	312,996	0,176	107	3,600	313,104	3,00%	108	-	-	-	109	8,050	312,926	-4,00%	33	8,147	312,864
761+0,000			33	- 8,074	312,325	109	- 8,070	312,317	-5,00%	108	-	-	-	107	- 3,600	312,541	-3,00%	312,452	312,649	0,197	107	3,600	312,757	3,00%	108	-	-	-	109	8,050	312,579	-4,00%	33	8,188	312,490
762+0,000			33	- 8,200	311,894	109	- 8,090	311,969	-5,00%	108	-	-	-	107	- 3,600	312,194	-3,00%	312,107	312,302	0,195	107	3,600	312,410	3,00%	108	-	-	-	109	8,050	312,232	-4,00%	33	8,418	311,990
762+15,000		PCV	33	- 8,324	311,551	109	- 8,090	311,709	-5,00%	108	-	-	-	107	- 3,600	311,933	-3,00%	311,862	312,041	0,180	107	3,600	312,149	3,00%	108	-	-	-	109	8,050	311,971	-4,00%	33	8,518	311,663
763+0,000			33	- 8,350	311,450	109	- 8,090	311,626	-5,00%	108	-	-	-	107	- 3,600	311,850	-3,00%	311,712	311,958	0,246	107	3,600	312,066	3,00%	108	-	-	-	109	8,050	311,888	-4,00%	33	8,580	311,537
764+0,000			33	- 8,551	311,050	109	- 8,090	311,360	-5,00%	108	-	-	-	107	- 3,600	311,584	-3,00%	311,041	311,692	0,651	107	3,600	311,800	3,00%	108	-	-	-	109	8,050	311,622	-4,00%	33	8,918	311,046
765+0,000			33	- 9,036	310,569	109	- 8,090	311,202	-5,00%	108	-	-	-	107	- 3,600	311,426	-3,00%	310,609	311,534	0,926	107	3,600	311,642	3,00%	108	-	-	-	109	8,050	311,464	-4,00%	33	9,346	310,604
766+0,000			33	- 9,665	310,101	109	- 8,090	311,153	-5,00%	108	-	-	-	107	- 3,600	311,377	-3,00%	310,312	311,485	1,173	107	3,600	311,593	3,00%	108	-	-	-	109	8,050	311,415	-4,00%	33	9,822	310,237
766+5,000			33	- 9,772	310,034	109	- 8,090	311,158	-5,00%	108	-	-	-	107	- 3,600	311,382	-3,00%	310,186	311,490	1,304	107	3,600	311,598	3,00%	108	-	-	-	109	8,060	311,420	-4,00%	33	9,979	310,137
767+0,000			33	- 10,191	309,809	109	- 8,090	311,212	-5,00%	108	-	-	-	107	- 3,600	311,436	-3,00%	309,843	311,544	1,702	107	3,600	311,652	3,00%	108	-	-	-	109	8,050	311,474	-4,00%	33	10,489	309,851
768+0,000			33	- 11,062	309,396	109	- 8,090	311,379	-5,00%	108	-	-	-	107	- 3,600	311,603	-3,00%	309,521	311,711	2,191	107	3,600	311,819	3,00%	108	-	-	-	109	8,050	311,641	-4,00%	33	11,353	309,442
769+0,000			33	- 12,019	309,033	109	- 8,090	311,655	-5,00%	108	-	-	-	107	- 3,600	311,879	-3,00%	309,058	311,987	2,929	107	3,600	312,095	3,00%	108	-	-	-	109	8,050	311,917	-4,00%	33	12,371	309,039
769+15,000		PTV	33	- 12,783	308,801	109	- 8,090	311,932	-5,00%	108	-	-	-	107	- 3,600	312,157	-3,00%	308,703	312,265	3,561	107	3,600	312,373	3,00%	108	-	-	-	109	8,050	312,195	-4,00%	33	13,340	308,671
770+0,000			33	- 13,062	308,718	109	- 8,090	312,035	-5,00%	108	-	-	-	107	- 3,600	312,259	-3,00%	308,590	312,367	3,777	107	3,600	312,475	3,00%	108	-	-	-	109	8,050	312,297	-4,00%	33	13,648	308,568
770+5,000		PCV	33	- 13,373	308,614	109	- 8,090	312,138	-5,00%	108	-	-	-	107	- 3,600	312,362	-3,00%	308,480	312,470	3,990	107	3,600	312,578	3,00%	108	-	-	-	109	8,050	312,400	-4,00%	33	13,940	308,476
771+0,000			33	- 14,312	308,267	109	- 8,090	312,417	-5,00%	108	-	-	-	107	- 3,600	312,642	-3,00%	308,218	312,750	4,531	107	3,600	312,858	3,00%	108	-	-	-	109	8,050	312,679	-4,00%	33	14,872	308,135
771+0,067			33	- 14,316	308,265	109	- 8,090	312,418	-5,00%	108	-	-	-	107	- 3,600	312,643	-3,00%	308,218	312,751	4,533	107	3,600	312,859	3,00%	108	-	-	-	109	8,060	312,680	-4,00%	33	14,876	308,133
771+5,158			33	- 14,618	308,146	109	- 8,090	312,500	-5,00%	108	-	-	-	107	- 3,600	312,724	-3,00%	308,210	312,832	4,622	107	3,600	312,940	3,00%	108	-	-	-	109	8,060	312,762	-4,00%	33	15,170	308,019
771+6,431			33	- 14,691	308,116	109	- 8,090	312,519	-5,00%	108	-	-	-	107	- 3,600	312,743	-3,00%	308,208	312,852	4,644	107	3,600	312,959	3,00%	108	-	-	-	109	8,060	312,781	-4,00%	33	15,226	308,000
771+17,949			33	- 15,327	307,848	109	- 8,090	312,676	-5,00%	108	-	-	-	107	- 3,600	312,900	-3,00%	308,153	313,008	4,854	107	3,600	313,061	1,47%	108	-	-	-	109	8,090	312,836	-5,00%	33	15,622	307,812
771+19,158	PT		33	- 15,388	307,822	109	- 8,090	312,690	-5,00%	108	-	-	-	107	- 3,600	312,914	-3,00%	308,116	313,022	4,906	107	3,600	313,068	1,28%	108	-	-	-	109	8,090	312,844	-5,00%	33	15,675	307,785
772+0,000			33	- 15,430	307,804	109	- 8,090	312,700	-5,00%	108	-	-	-	107	- 3,600	312,924	-3,00%	308,090	313,032	4,942	107	3,600	313,073	1,14%	108	-	-	-	109	8,090	312,849	-5,00%	33	15,712	307,765
772+15,000			33	- 16,128	307,483	109	- 8,090	312,844	-5,00%	108	-	-	-	107	- 3,600	313,068	-3,00%	307,624	313,177	5,552	107	3,600	313,133	-1,21%	108	-	-	-	109	8,090	312,908	-5,00%	33	16,316	307,422
772+18,249			33	- 16,268	307,414	109	- 8,090	312,868	-5,00%	108	-	-	-	107	- 3,600	313,092	-3,00%	307,540	313,200	5,660	107	3,600	313,138	-1,72%	108	-	-	-	109	8,090	312,914	-5,00%	33	16,435	307,348
773+0,000			33	- 16,342	307,376	109	- 8,090	312,880	-5,00%	108	-	-	-	107	- 3,600	313,104	-3,00%	307,505	313,212	5,707	107	3,600	313,140	-2,00%	108	-	-	-	109	8,090	312,916	-5,00%	33	16,498	307,308
773+10,976			33	- 16,775	307,142	109	- 8,090	312,935	-5,00%	108	-	-	-	107	- 3,600	313,159	-3,00%	307,285	313,267	5,982	107	3,600	313,159	-3,00%	108	-	-	-	109	8,090	312,935	-5,00%	33	16,803	307,123
774+0,000			33	- 17,090	306,955	109	- 8,090	312,957	-5,00%	108	-	-	-	107	- 3,600	313,181	-3,00%	307,100	313,289	6,189	107	3,600	313,181	-3,00%	108	-	-	-	109	8,090	312,957	-5,00%	33	17,035	306,991
775+0,000			33	- 17,686	306,531	109	- 8,090	312,931	-5,00%	108	-	-	-	107	- 3,600	313,155	-3,00%	306,689	313,263	6,574	107	3,600	313,155	-3,00%	108	-	-	-	109	8,090	312,931	-5,00%	33	17,438	306,697

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		BR-158/262-MS																																				
			LADO ESQUERDO																COTAS DE EIXO			LADO DIREITO																
			PLATAFORMA DE TERRAPLENAGEM																			PLATAFORMA DE TERRAPLENAGEM																
			Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista							Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude			
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota	P.	Dist.	Cota
775+5,000		PTV	33	- 17,763	306,458	109	- 8,090	312,909	-5,00%	108	-	-	-	107	- 3,600	313,133	-3,00%	306,614	313,241	6,627	107	3,600	313,133	-3,00%	108	-	-	-	109	8,090	312,909	-5,00%	33	17,516	306,622
776+0,000			33	- 17,924	306,273	109	- 8,090	312,832	-5,00%	108	-	-	-	107	- 3,600	313,056	-3,00%	306,384	313,164	6,780	107	3,600	313,056	-3,00%	108	-	-	-	109	8,090	312,832	-5,00%	33	17,735	306,399
776+15,205			33	- 18,425	305,861	109	- 8,090	312,754	-5,00%	108	-	-	-	107	- 3,600	312,978	-3,00%	306,142	313,086	6,944	107	3,600	312,978	-3,00%	108	-	-	-	109	8,090	312,754	-5,00%	33	17,958	306,173
776+17,338			OAE - EST.776+17,338 a EST.778+7,338																																				
776+19,471																																							
777+0,000																																							
778+0,000																																							
778+5,205																																							
778+7,338																																							
778+9,471			33	- 18,521	305,622	109	- 8,090	321,578	-5,00%	108	-	-	-	107	- 3,600	312,802	-3,00%	305,554	312,910	7,356	107	3,600	312,802	-3,00%	108	-	-	-	109	8,090	312,578	-5,00%	33	19,136	305,212
779+0,000			33	- 18,803	305,380	109	- 8,090	312,524	-5,00%	108	-	-	-	107	- 3,600	312,748	-3,00%	305,554	312,856	7,302	107	3,600	312,748	-3,00%	108	-	-	-	109	8,090	312,524	-5,00%	33	18,617	305,503
779+15,000		PCV	33	- 19,032	305,150	109	- 8,090	312,447	-5,00%	108	-	-	-	107	- 3,600	312,671	-3,00%	305,302	312,779	7,478	107	3,600	312,671	-3,00%	108	-	-	-	109	8,090	312,447	-5,00%	33	18,514	305,495
780+0,000			33	- 19,100	305,076	109	- 8,090	312,418	-5,00%	108	-	-	-	107	- 3,600	312,643	-3,00%	305,222	312,751	7,529	107	3,600	312,643	-3,00%	108	-	-	-	109	8,090	312,418	-5,00%	33	18,568	305,430
781+0,000			33	- 19,186	304,844	109	- 8,090	312,244	-5,00%	108	-	-	-	107	- 3,600	312,468	-3,00%	304,891	312,576	7,685	107	3,600	312,468	-3,00%	108	-	-	-	109	8,090	312,244	-5,00%	33	18,702	305,166
782+0,000			33	- 18,963	304,722	109	- 8,090	311,973	-5,00%	108	-	-	-	107	- 3,600	312,197	-3,00%	304,558	312,305	7,748	107	3,600	312,197	-3,00%	108	-	-	-	109	8,090	311,973	-5,00%	33	18,711	304,890
782+5,000			33	- 18,540	304,921	109	- 8,090	311,890	-5,00%	108	-	-	-	107	- 3,600	312,115	-3,00%	304,521	312,223	7,702	107	3,600	312,115	-3,00%	108	-	-	-	109	8,090	311,890	-5,00%	33	18,687	304,823
783+0,000			33	- 17,319	305,451	109	- 8,090	311,606	-5,00%	108	-	-	-	107	- 3,600	311,831	-3,00%	304,738	311,939	7,200	107	3,600	311,831	-3,00%	108	-	-	-	109	8,090	311,606	-5,00%	33	18,276	304,813
784+0,000			33	- 16,138	305,776	109	- 8,090	311,144	-5,00%	108	-	-	-	107	- 3,600	311,368	-3,00%	305,136	311,476	6,340	107	3,600	311,368	-3,00%	108	-	-	-	109	8,090	311,144	-5,00%	33	17,497	304,870
784+15,000		PTV	33	- 15,305	305,922	109	- 8,090	310,734	-5,00%	108	-	-	-	107	- 3,600	310,958	-3,00%	305,479	311,066	5,587	107	3,600	310,958	-3,00%	108	-	-	-	109	8,090	310,734	-5,00%	33	16,282	305,270
785+0,000			33	- 14,936	306,022	109	- 8,090	310,588	-5,00%	108	-	-	-	107	- 3,600	310,813	-3,00%	305,628	310,921	5,293	107	3,600	310,813	-3,00%	108	-	-	-	109	8,090	310,588	-5,00%	33	15,815	305,436
786+0,000			33	- 13,369	306,484	109	- 8,090	310,006	-5,00%	108	-	-	-	107	- 3,600	310,230	-3,00%	306,244	310,338	4,094	107	3,600	310,230	-3,00%	108	-	-	-	109	8,090	310,006	-5,00%	33	14,144	305,967
786+5,000		PCV	33	- 12,944	306,622	109	- 8,090	309,860	-5,00%	108	-	-	-	107	- 3,600	310,084	-3,00%	306,390	310,192	3,803	107	3,600	310,084	-3,00%	108	-	-	-	109	8,090	309,860	-5,00%	33	13,773	306,069
787+0,000			33	- 11,841	306,950	109	- 8,090	309,453	-5,00%	108	-	-	-	107	- 3,600	309,677	-3,00%	306,680	309,785	3,105	107	3,600	309,677	-3,00%	108	-	-	-	109	8,090	309,453	-5,00%	33	12,694	306,381
788+0,000			33	- 10,689	307,268	109	- 8,090	309,003	-5,00%	108	-	-	-	107	- 3,600	309,227	-3,00%	307,047	309,335	2,289	107	3,600	309,227	-3,00%	108	-	-	-	109	8,090	309,003	-5,00%	33	11,484	306,738
789+0,000			33	- 9,789	307,524	109	- 8,090	308,659	-5,00%	108	-	-	-	107	- 3,600	308,883	-3,00%	307,377	308,991	1,614	107	3,600	308,883	-3,00%	108	-	-	-	109	8,090	308,659	-5,00%	33	10,273	307,201
789+15,000			33	- 9,290	307,669	109	- 7,870	308,271	-5,00%	108	-	-	-	107	- 3,600	308,695	-3,00%	307,557	308,803	1,246	107	3,600	308,695	-3,00%	108	-	-	-	109	8,090	308,471	-5,00%	33	9,781	307,341
790+0,000			33	- 9,143	307,717	109	- 8,090	308,421	-5,00%	108	-	-	-	107	- 3,600	308,645	-3,00%	307,655	308,753	1,098	107	3,600	308,645	-3,00%	108	-	-	-	109	8,090	308,421	-5,00%	33	9,679	307,359
791+0,000			33	- 8,355	308,110	109	- 8,090	308,289	-5,00%	108	-	-	-	107	- 3,600	308,514	-3,00%	307,853	308,622	0,768	107	3,600	308,514	-3,00%	108	-	-	-	109	8,090	308,289	-5,00%	33	9,253	307,512
791+14,844			33	- 7,949	308,352	109	- 8,090	308,260	-5,00%	108	-	-	-	107	- 3,600	308,484	-3,00%	308,165	308,592	0,428	107	3,600	308,484	-3,00%	108	-	-	-	109	8,090	308,260	-5,00%	33	8,657	307,879
792+0,000			33	- 7,846	308,424	109	- 8,090	308,264	-5,00%	108	-	-	-	107	- 3,600	308,488	-3,00%	308,244	308,596	0,352	107	3,600	308,488	-3,00%	108	-	-	-	109	8,090	308,264	-5,00%	33	8,472	308,006
793+0,000		PTV	33	- 7,916	308,684	109	- 7,600	308,368	-5,00%	108	-	-	-	107	- 3,600	308,568	-3,00%	308,492	308,676	0,184	107	3,600	308,568	-3,00%	108	-	-	-	109	8,090	308,344	-5,00%	33	8,167	308,290
794+0,000			33	- 8,002	308,919	109	- 7,600	308,525	-5,00%	108	-	-	-	107	- 3,600	308,725	-3,00%	308,723	308,833	0,110	107	3,600	308,725	-3,00%	108	-	-	-	109	8,060	308,502	-5,00%	33	8,067	308,514
795+0,000			33	- 8,059	309,144	109	- 7,600	308,685	-5,00%	108	-	-	-	107	- 3,600	308,885	-3,00%	308,942	308,993	0,051	107	3,600	308,885	-3,00%	108	-	-	-	109	7,890	308,670	-5,00%	33	7,964	308,743
795+5,000			33	- 8,071	309,196	109	- 7,600	308,725	-5,00%	108	-	-	-	107	- 3,600	308,925	-3,00%	308,991	309,033	0,042	107	3,600	308,925	-3,00%	108	-	-	-	109	8,090	308,701	-5,00%	33	7,936	308,801
796+0,000			33	- 8,011	309,256	109	- 7,600	308,845	-5,00%	108	-	-	-	107	- 3,600	309,045	-3,00%	309,140	309,153	0,012	107	3,600	309,045	-3,00%	108	-	-	-	109	7,730	308,839	-5,00%	33	7,860	308,972
797+0,000			33	- 8,046	309,451	109	- 7,600	309,005	-5,00%	108	-	-	-	107	- 3,600	309,205	-3,00%	309,300	309,313	0,013	107	3,600	309,205	-3,00%	108	-	-	-	109	7,610	309,004	-5,00%	33	7,789	309,179
798+0,000			33	- 8,138	309,703	109	- 7,600	309,165	-5,00%	108	-	-	-	107	- 3,600	309,365	-3,00%	309,529	309,473	-0,057	107	3,600	309,365	-3,00%	108	-	-	-	109	7,570	309,166	-5,00%	33	7,759	309,359
799+0,000			33	- 8,073	309,798	109	- 7,600	309,325	-5,00%	108	-	-	-	107	- 3,600	309,525	-3,00%	309,635	309,633	-0,002	107	3,600	309,525	-3,00%	108	-	-	-	109	7,640	309,323	-5,00%	33	7,803	309,489
800+0,000			33	- 7,995	309,880	109	- 7,600	309,485	-5,00%	108	-	-	-	107	- 3,600	309,685	-3,00%	309,697	309,793	0,096	107	3,600	309,685	-3,00%	108	-	-	-	109	7,810	309,474	-5,00%	33	7,911	309,577
801+0,000			33	- 7,658	309,906	109	- 7,410	309,654	-5,00%	108	-	-	-	107	- 3,600	309,845	-3,00%	309,750	309,953	0,202	107	3,600	309,845	-3,00%	108	-	-	-	109	8,090	309,620	-5,00%	33	8,119	309,598
802+0,000			33	- 8,119	310,323	109	- 7,600	309,805	-5,00%	108	-	-	-	107	- 3,600	310,005	-3,00%	309,931	310,113	0,181	107	3,600	310,005	-3,00%	108	-	-	-	109	8,060	309,782	-5,00%	33	8,067	309,793
803+0,000			33	- 7,714	310,188	109	- 7,500	309,970	-5,00%	108	-	-	-	107	- 3,600	310,165	-3,00%	310,071	310,273	0,201	107	3,600	310,165	-3,00%	108	-	-	-	109	8,090	309,940	-5,00%	33	8,238	309,839
804+0,000			33	- 7,875	310,241	109	- 7,750	310,117	-5,00%	108	-	-	-	107	- 3,600	310,324	-3,00%	310,107	310,432	0,326	107	3,600	310,324	-3,00%	108	-	-	-	109	8,090	310,100	-5,00%	33	8,380	309,904
805+0,000			33	- 8,144	310,222	109	- 8,090	310,260	-5,00%	108	-	-	-	107	- 3,600	310,484	-3,00%	309,815	310,592	0,777	107	3,600	310,484	-3,00%	108	-	-	-	109	8,090	310,260	-5,00%	33	8,947	309,686
806+0,000			33	- 8,366	310,234	109	- 8,090	310,420	-5,00%	108	-	-	-	107	- 3,600	310,644	-3,00%	310,082	310,752	0,670	107	3,600	310,644	-3,00%	108	-	-	-	109	8,090	310,420	-5,00%	33	8,813	309,935
807+0,000			33	- 8,496	310,307	109	- 8,090	310,580	-5,00%	108	-	-	-	107	- 3,600	310,804	-3,00%	310,089	310,912	0,824	107	3,600	310,804	-3,00%	108	-	-	-	109	8,090	310,580	-5,00%	33	9,068	309,925
808+0,000			33	- 8,374	310,548	109	- 8,090	310,740	-5,00%	108	-	-	-	107	- 3,600	310,964	-3,00%	310,321	311,072	0,751	107	3,600	310,964	-3,00%	108	-	-	-	109	8,090	310,740	-5,00%	33	8,976	310,147
809+0,000			33	- 8,381	310,703	109	- 8,090	310,900	-5,00%	108	-	-	-	107	- 3,600	311,124	-3,00%	310,538	311,232	0,694	107	3,600	311,124	-3,00%	108	-	-	-	109	8,090	310,900	-5,00%	33	8,941	310,330
809+15,000		PCV	33	- 8,393	310,815	109	- 8,090	311,020	-5,00%	108	-	-	-	107	- 3,600	311,244	-3,00%	310,754	311,352	0,598	107	3,600	311,244	-3,00%	108	-	-	-	109	8,090	311,020	-5,00%	33	8,885	310,487
810+0,000			33	- 8,386	310,860	109	- 8,090	311,059	-5,00%	108	-	-	-	107	- 3,600	311,284	-3,00%	310,815	311,392	0,576	107	3,600	311,284	-3,00%	108	-	-	-	109	8,090	311,059	-5,00%	33	8,834	310,561
811+0,000			33	- 8,426	310,979	109	- 8,090	311,205	-5,00%	108	-	-	-	107	- 3,600	311,429	-3,00%	310,839	311,537	0,698	107	3,600	311,429	-3,00%	108	-	-	-	109	8,090	311,205	-5,00%	33	8,861	310,688
811+5,000			33	- 8,410	311,023	109	- 8,090	311,238	-5,00%	108	-	-	-	107	- 3,600	311,462	-3,00%	310,849	311,570	0,722	107	3,600	311,462	-3,00%	108	-	-	-	109	8,090	311,238	-5,00%	33	8,898	310,697
812+0,000			33	- 8,382	311,134	109	- 8,090	311,331	-5,00%	108	-	-	-	107	- 3,600	311,555	-3,00%	310,954	311,663	0,709	107	3,600	311,555	-3,00%	108	-	-	-	109	8,090	311,331	-5,00%	33	8,940	310,762
812+15,000		PTV	33	- 8,301	311,270	109	- 8,090	311,413	-5,00%	108	-	-	-	107	- 3,600	311,638	-3,00%	311,074	311,746	0,671	107	3,600	311,638	-3,00%	108	-	-	-	109	8,090	311,413	-5,00%	33	8,905	310,868
813+0,000			33	- 8,271	311,316	109	- 8,090	311,439	-5,00%	108	-	-	-	107	- 3,600	311,663	-3,00%	311,120	311,771	0,651	107	3,600	311,663	-3,00%	108	-	-	-	109	8,090	311,439	-5,00%	33	8,890	310,903
814+0,000			33	- 8,238	311,440	109	- 8,090	311,541	-5,00%	108	-	-	-	107	- 3,600	311,766	-3,00%	311,213	311,874	0,660	107	3,600	311,766	-3,00%	108	-	-	-	109	8,090	311,541	-5,00%	33	8,926	310,981
815+0,000			33	- 8,278	311,516	109	- 8,090	311,644	-5,00%	108	-	-	-	107	- 3,600	311,868	-3,00%	311,295	311,976	0,681	107	3,600	311,868	-3,00%	108	-	-	-	109	8,090	311,644	-5,00%	33	8,921	311,087
816+0,000			33	- 8,190	311,677	109	- 8,090	311,746	-5,00%	108	-	-	-	107	- 3,600	311,970	-3,00%	311,455	312,078	0,624	107	3,600	311,970	-3,00%	108	-	-	-	109	8,090	311,746	-5,00%	33	8,812	311,262
817+0,000			33	- 8,175	311,789	109	- 8,090	311,848	-5,00%	108	-	-	-	107	- 3,600	312,073	-3,00%	311,631	312,181	0,550	107	3,600	312,073	-3,00%	108	-	-	-	109	8,090	311,848	-5,00%	33	8,754	311,403
818+0,000			33	- 8,084	311,952	109	- 8,080	311,951	-5,00%	108	-	-	-	107	- 3,600	312,175	-3,00%	311,824	312,283	0,459	107	3,600	312,175	-3,00%	108	-	-	-	109	8,090	311,951	-5,00%	33	8,619	311,596
819+0,000			33	- 8,029	312,091	109	- 8,000	312,058	-5,00%	108	-	-	-	107	- 3,600	312,277	-3,00%	311,870	312,385	0,515	107	3,600	312,277	-3,00%	108	-	-	-	109	8,090	312,053	-5,00%	33	8,636	311,687
820+0,000			33	- 7,998	312,215	109	- 7,950	312,162	-5,00%	108	-	-	-	107	- 3,600	312,380	-3,00%	311,948	312,488	0,539	107	3,600	312,380	-3,00%	108	-	-	-	109	8,090	312,155	-5,00%	33	8,613	311,804
821+0,000			33	- 7,657	312,544	109	- 7,410	312,292	-5,00%	108	-	-	-	107	- 3,600	312,482	-3,00%	312,201	312,590	0,389	107	3,600	312,482	-3,00%	108	-	-	-	109	8,090	312,258	-5,00%	33	8,507	311,978
822+0,000			33	- 7,963	312,747	109	- 7,600	312,384	-5,00%	108	-	-	-	107	- 3,600	312,584	-3,00%	312,529	312,692	0,163	107	3,600	312,584	-3,00%	108	-	-	-	109	8,090	312,360	-5,00%	33	8,237	312,260
823+0,000			33	- 7,997	312,883	109	- 7,600	312,487	-5,00%	108	-	-	-	107	- 3,600	312,687	-3,00%	312,554	312,795	0,240	107	3,600	312,687	-3,00%	108	-	-	-	109	8,090	312,462	-5,00%	33	8,205	312,383
824+0,000			33	- 8,019	313,008	109	- 7,600	312,574	-5,00%	108	-	-	-	107	- 3,600	312,789	-3,00%	312,652	312,897	0,245	107	3,600	312,789	-3,00%	108	-	-	-	109	8,090	312,565	-5,00%	33	8,219	312,476
825+0,000			33	- 8,055	313,147	109	- 7,600	312,691	-5,00%	108	-	-	-	107	- 3,600	312,891	-3,00%	312,919	312,999	0,080	107	3,600	312,891	-3,00%	108	-	-	-	109	7,840	312,680	-5,00%	33	7,930	312,772
826+0,000			33	- 8,238	313,432	109	- 7,600	312,794	-5,00%	108	-	-	-	107	- 3,600	312,994	-3,00%	313,192	313,102	-0,090	107	3,600	312,994	-3,00%	108	-	-	-	109	7,550	312,796	-5,00%	33	7,751	312,993
827+0,000			33	- 8,297	313,593	109	- 7,600	312,896	-5,00%	108	-	-	-	107	- 3,600	313,096	-3,00%	313,342	313,204	-0,138	107	3,600	313,096	-3,00%	108	-	-	-	109	7,600	312,896	-5,00%	33	7,942	313,238
828+0,000			33	- 8,392	313,790	109	- 7,600	312,998	-5,00%	108	-	-	-	107	- 3,600	313,198	-3,00%	313,581	313,306	-0,275	107	3,600	313,198	-3,00%	108	-	-	-	109	7,600	312,998	-5,00%	33	7,983	313,381
829+0,000			33	- 15,352	314,182	109	- 14,100	312,929	-5,00%	108	- 6,416	313,160	-3,00%	107	- 3,600	313,301	-3,00%	313,800	313,409	-0,391	107	3,600	313,301	-3,00%	108	6,416	313,160	-3,00%	109	34,100	312,330	-5,00%	33	34,719	312,949

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM – Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista				COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM – Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
830+0,000			33	- 15,494	314,425	109	- 14,100	313,032	-5,00%	108	- 6,416	313,262	-3,00%	107	- 3,600	313,403	-3,00%	314,017	313,511	-0,506	107	3,600	313,403	-3,00%	108	6,416	313,262	-3,00%	109	34,100	312,432	-5,00%	33	34,819	313,151
831+0,000			33	- 15,686	314,720	109	- 14,100	313,134	-5,00%	108	- 6,416	313,365	-3,00%	107	- 3,600	313,506	-3,00%	314,227	313,614	-0,613	107	3,600	313,506	-3,00%	108	6,416	313,365	-3,00%	109	34,100	312,534	-5,00%	33	34,915	313,349
832+0,000			33	- 15,921	315,057	109	- 14,100	313,237	-5,00%	108	- 6,416	313,467	-3,00%	107	- 3,600	313,608	-3,00%	314,417	313,716	-0,701	107	3,600	313,608	-3,00%	108	6,416	313,467	-3,00%	109	34,100	312,637	-5,00%	33	35,017	313,553
833+0,000			33	- 16,121	315,360	109	- 14,100	313,339	-5,00%	108	- 6,416	313,569	-3,00%	107	- 3,600	313,710	-3,00%	314,650	313,818	-0,832	107	3,600	313,710	-3,00%	108	6,416	313,569	-3,00%	109	34,100	312,739	-5,00%	33	35,099	313,738
834+0,000			33	- 16,174	315,515	109	- 14,100	313,441	-5,00%	108	- 6,416	313,672	-3,00%	107	- 3,600	313,813	-3,00%	315,036	313,921	-1,116	107	3,600	313,813	-3,00%	108	6,416	313,672	-3,00%	109	34,100	312,841	-5,00%	33	35,193	313,934
835+0,000			33	- 16,239	315,682	109	- 14,100	313,544	-5,00%	108	- 6,416	313,774	-3,00%	107	- 3,600	313,915	-3,00%	315,063	314,023	-1,040	107	3,600	313,915	-3,00%	108	6,416	313,774	-3,00%	109	34,100	312,944	-5,00%	33	35,287	314,130
836+0,000			33	- 16,413	315,959	109	- 14,100	313,646	-5,00%	108	- 6,416	313,876	-3,00%	107	- 3,600	314,017	-3,00%	315,249	314,125	-1,124	107	3,600	314,017	-3,00%	108	6,416	313,876	-3,00%	109	34,100	313,046	-5,00%	33	35,340	314,286
837+0,000			33	- 16,458	316,106	109	- 14,100	313,748	-5,00%	108	- 6,416	313,979	-3,00%	107	- 3,600	314,120	-3,00%	315,385	314,228	-1,157	107	3,600	314,120	-3,00%	108	6,416	313,979	-3,00%	109	34,100	313,148	-5,00%	33	35,340	314,388
838+0,000			33	- 16,413	316,163	109	- 14,100	313,851	-5,00%	108	- 6,416	314,081	-3,00%	107	- 3,600	314,222	-3,00%	315,505	314,330	-1,175	107	3,600	314,222	-3,00%	108	6,416	314,081	-3,00%	109	34,100	313,251	-5,00%	33	35,339	314,490
839+0,000			33	- 16,317	316,170	109	- 14,100	313,953	-5,00%	108	- 6,416	314,184	-3,00%	107	- 3,600	314,324	-3,00%	315,591	314,432	-1,158	107	3,600	314,324	-3,00%	108	6,416	314,184	-3,00%	109	34,100	313,353	-5,00%	33	35,348	314,601
840+0,000			33	- 16,257	316,213	109	- 14,100	314,055	-5,00%	108	- 6,416	314,286	-3,00%	107	- 3,600	314,427	-3,00%	315,731	314,535	-1,197	107	3,600	314,427	-3,00%	108	6,416	314,286	-3,00%	109	34,100	313,455	-5,00%	33	35,372	314,727
841+0,000			33	- 16,254	316,311	109	- 14,100	314,158	-5,00%	108	- 6,416	314,388	-3,00%	107	- 3,600	314,529	-3,00%	315,806	314,637	-1,169	107	3,600	314,529	-3,00%	108	6,416	314,388	-3,00%	109	34,100	313,558	-5,00%	33	35,396	314,853
842+0,000			33	- 16,243	316,403	109	- 14,100	314,260	-5,00%	108	- 6,416	314,491	-3,00%	107	- 3,600	314,631	-3,00%	316,041	314,739	-1,302	107	3,600	314,631	-3,00%	108	6,416	314,491	-3,00%	109	34,100	313,660	-5,00%	33	35,400	314,960
843+0,000			33	- 16,243	316,505	109	- 14,100	314,362	-5,00%	108	- 6,416	314,593	-3,00%	107	- 3,600	314,734	-3,00%	316,134	314,842	-1,293	107	3,600	314,734	-3,00%	108	6,416	314,593	-3,00%	109	34,100	313,762	-5,00%	33	35,348	315,011
844+0,000			33	- 16,086	316,450	109	- 14,100	314,465	-5,00%	108	- 6,416	314,695	-3,00%	107	- 3,600	314,836	-3,00%	316,126	314,944	-1,181	107	3,600	314,836	-3,00%	108	6,416	314,695	-3,00%	109	34,100	313,865	-5,00%	33	35,295	315,060
845+0,000			33	- 16,089	316,556	109	- 14,100	314,567	-5,00%	108	- 6,416	314,798	-3,00%	107	- 3,600	314,938	-3,00%	316,171	315,046	-1,125	107	3,600	314,938	-3,00%	108	6,416	314,798	-3,00%	109	34,100	313,967	-5,00%	33	35,240	315,108
846+0,000			33	- 16,060	316,630	109	- 14,100	314,670	-5,00%	108	- 6,416	314,900	-3,00%	107	- 3,600	315,041	-3,00%	316,273	315,149	-1,125	107	3,600	315,041	-3,00%	108	6,416	314,900	-3,00%	109	34,100	314,070	-5,00%	33	35,186	315,156
847+0,000			33	- 15,961	316,633	109	- 14,100	314,772	-5,00%	108	- 6,416	315,002	-3,00%	107	- 3,600	315,143	-3,00%	316,099	315,251	-0,848	107	3,600	315,143	-3,00%	108	6,416	315,002	-3,00%	109	34,100	314,172	-5,00%	33	35,121	315,193
848+0,000			33	- 15,850	316,624	109	- 14,100	314,874	-5,00%	108	- 6,416	315,105	-3,00%	107	- 3,600	315,246	-3,00%	316,043	315,354	-0,689	107	3,600	315,246	-3,00%	108	6,416	315,105	-3,00%	109	34,100	314,274	-5,00%	33	34,984	315,158
849+0,000			33	- 15,739	316,615	109	- 14,100	314,977	-5,00%	108	- 6,416	315,207	-3,00%	107	- 3,600	315,348	-3,00%	316,099	315,456	-0,644	107	3,600	315,348	-3,00%	108	6,416	315,207	-3,00%	109	34,100	314,377	-5,00%	33	34,813	315,090
850+0,000			33	- 15,577	316,556	109	- 14,100	315,079	-5,00%	108	- 6,416	315,309	-3,00%	107	- 3,600	315,450	-3,00%	316,016	315,558	-0,458	107	3,600	315,450	-3,00%	108	6,416	315,309	-3,00%	109	34,100	314,479	-5,00%	33	34,652	315,031
850+5,000		PCV	33	- 15,527	316,532	109	- 14,100	315,105	-5,00%	108	- 6,416	315,335	-3,00%	107	- 3,600	315,476	-3,00%	315,984	315,584	-0,401	107	3,600	315,476	-3,00%	108	6,416	315,335	-3,00%	109	34,100	314,505	-5,00%	33	34,611	315,016
851+0,000			33	- 15,393	316,459	109	- 14,100	315,166	-5,00%	108	- 6,416	315,397	-3,00%	107	- 3,600	315,538	-3,00%	315,889	315,646	-0,243	107	3,600	315,538	-3,00%	108	6,416	315,397	-3,00%	109	34,100	314,566	-5,00%	33	34,503	314,969
852+0,000			33	- 15,175	316,277	109	- 14,100	315,202	-5,00%	108	- 6,416	315,433	-3,00%	107	- 3,600	315,574	-3,00%	315,836	315,682	-0,154	107	3,600	315,574	-3,00%	108	6,416	315,433	-3,00%	109	34,100	314,602	-5,00%	33	34,414	314,916
852+3,550			33	- 15,134	316,237	109	- 14,100	315,203	-5,00%	108	- 6,416	315,434	-3,00%	107	- 3,600	315,574	-3,00%	315,830	315,682	-0,147	107	3,600	315,574	-3,00%	108	6,416	315,434	-3,00%	109	34,100	314,603	-5,00%	33	34,397	314,900
852+15,000			33	- 15,012	316,106	109	- 14,100	315,194	-5,00%	108	- 6,416	315,425	-3,00%	107	- 3,600	315,566	-3,00%	315,773	315,674	-0,099	107	3,600	315,566	-3,00%	108	6,416	315,425	-3,00%	109	34,100	314,594	-5,00%	33	34,355	314,850
853+0,000			33	- 14,968	316,053	109	- 14,100	315,185	-5,00%	108	- 6,416	315,416	-3,00%	107	- 3,600	315,557	-3,00%	315,721	315,665	-0,057	107	3,600	315,557	-3,00%	108	6,416	315,416	-3,00%	109	34,100	314,585	-5,00%	33	34,342	314,827
854+0,000			33	- 14,897	315,912	109	- 14,100	315,115	-5,00%	108	- 6,416	315,345	-3,00%	107	- 3,600	315,486	-3,00%	315,516	315,594	0,079	107	3,600	315,486	-3,00%	108	6,416	315,345	-3,00%	109	34,100	314,515	-5,00%	33	34,330	314,745
855+0,000			33	- 14,900	315,792	109	- 14,100	314,992	-5,00%	108	- 6,416	315,222	-3,00%	107	- 3,600	315,363	-3,00%	315,391	315,471	0,080	107	3,600	315,363	-3,00%	108	6,416	315,222	-3,00%	109	34,100	314,392	-5,00%	33	34,372	314,663
855+5,000		PTV	33	- 14,885	315,737	109	- 14,100	314,953	-5,00%	108	- 6,416	315,183	-3,00%	107	- 3,600	315,324	-3,00%	315,376	315,432	0,056	107	3,600	315,324	-3,00%	108	6,416	315,183	-3,00%	109	34,100	314,353	-5,00%	33	34,393	314,646
856+0,000			33	- 14,869	315,599	109	- 14,100	314,830	-5,00%	108	- 6,416	315,061	-3,00%	107	- 3,600	315,201	-3,00%	315,311	315,309	-0,002	107	3,600	315,201	-3,00%	108	6,416	315,061	-3,00%	109	34,100	314,230	-5,00%	33	34,428	314,558
857+0,000			33	- 14,961	315,527	109	- 14,100	314,667	-5,00%	108	- 6,416	314,897	-3,00%	107	- 3,600	315,038	-3,00%	315,215	315,146	-0,069	107	3,600	315,038	-3,00%	108	6,416	314,897	-3,00%	109	34,100	314,067	-5,00%	33	34,471	314,438
858+0,000			33	- 15,025	315,429	109	- 14,100	314,504	-5,00%	108	- 6,416	314,734	-3,00%	107	- 3,600	314,875	-3,00%	315,205	314,983	-0,222	107	3,600	314,875	-3,00%	108	6,416	314,734	-3,00%	109	34,100	313,904	-5,00%	33	34,515	314,319
859+0,000			33	- 15,053	315,293	109	- 14,100	314,341	-5,00%	108	- 6,416	314,571	-3,00%	107	- 3,600	314,712	-3,00%	315,161	314,820	-0,341	107	3,600	314,712	-3,00%	108	6,416	314,571	-3,00%	109	34,100	313,741	-5,00%	33	34,616	314,257
860+0,000			33	- 15,007	315,084	109	- 14,100	314,177	-5,00%	108	- 6,416	314,408	-3,00%	107	- 3,600	314,549	-3,00%	314,812	314,657	-0,155	107	3,600	314,549	-3,00%	108	6,416	314,408	-3,00%	109	34,100	313,578	-5,00%	33	34,733	314,211
861+0,000			33	- 15,138	315,053	109	- 14,100	314,014	-5,00%	108	- 6,416	314,245	-3,00%	107	- 3,600	314,386	-3,00%	314,731	314,494	-0,237	107	3,600	314,386	-3,00%	108	6,416	314,245	-3,00%	109	34,100	313,414	-5,00%	33	34,850	314,164
862+0,000			33	- 15,354	315,105	109	- 14,100	313,851	-5,00%	108	- 6,416	314,082	-3,00%	107	- 3,600	314,223	-3,00%	314,716	314,331	-0,385	107	3,600	314,223	-3,00%	108	6,416	314,082	-3,00%	109	34,100	313,251	-5,00%	33	35,139	314,291
862+10,849			33	- 15,455	315,118	109	- 14,100	313,763	-5,00%	108	- 6,416	313,993	-3,00%	107	- 3,600	314,134	-3,00%	314,704	314,242	-0,462	107	3,600	314,134	-3,00%	108	6,416	313,993	-3,00%	109	34,100	313,163	-5,00%	33	35,398	314,461
862+18,126		PCV	33	- 15,518	315,121	109	- 14,100	313,703	-5,00%	108	- 6,416	313,934	-3,00%	107	- 3,600	314,075	-3,00%	314,702	314,183	-0,520	107	3,600	314,075	-3,00%	108	6,416	313,934	-3,00%	109	34,100	313,103	-5,00%	33	35,572	314,575
863+0,000			33	- 15,532	315,120	109	- 14,100	313,688	-5,00%	108	- 6,416	313,918	-3,00%	107	- 3,600	314,059	-3,00%	314,706	314,167	-0,539	107	3,600	314,059	-3,00%	108	6,416	313,918	-3,00%	109	34,100	313,088	-5,00%	33	35,617	314,605
863+1,147			33	- 15,540	315,119	109	- 14,100	313,678	-5,00%	108	- 6,416	313,909	-3,00%	107	- 3,600	314,049	-3,00%	314,708	314,157	-0,550	107	3,600	314,049	-3,00%	108	6,416	313,909	-3,00%	109	34,100	313,078	-5,00%	33	35,639	314,617
864+0,000			33	- 15,649	315,134	109	- 14,100	313,585	-5,00%	108	- 6,416	313,816	-3,00%	107	- 3,600	313,957	-0,49%	314,718	313,974	-0,743	107	3,600	313,866	-3,00%	108	6,416	313,725	-3,00%	109	34,100	312,895	-5,00%	33	35,935	314,730
864+3,647			33	- 15,662	315,125	109	- 14,100	313,562	-5,00%	108	- 6,416	313,793	-3,00%	107	- 3,600	313,934	0,00%	314,716	313,934	-0,783	107	3,600	313,826	-3,00%	108	6,416	313,685	-3,00%	109	34,100	312,854	-5,00%	33	35,997	314,752
864+13,647	PC		33	- 15,709	315,099	109	- 14,100	313,491	-5,00%	108	- 6,416	313,721	-3,00%	107	- 3,600	313,862	1,33%	314,713	313,814	-0,899	107	3,600	313,706	-3,00%	108	6,416	313,565	-3,00%	109	34,100	312,735	-5,00%	33	36,175	314,810
865+0,000			33	- 15,745	315,083	109	- 14,100	313,439	-5,00%	108	- 6,416	313,669	-3,00%	107	- 3,600	313,810	2,18%	314,710	313,732	-0,978	107	3,600	313,624	-3,00%	108	6,416	313,483	-3,00%	109	34,100	312,652	-5,00%	33	36,248	314,800
865+6,147			33	- 15,784	315,067	109	- 14,100	313,384	-5,00%	108	- 6,416	313,614	-3,00%	107	- 3,600	313,755	3,00%	314,705	313,647	-1,059	107	3,600	313,539	-3,00%	108	6,416	313,398	-3,00%	109	34,100	312,568	-5,00%	33	36,285	314,752
866+0,000			33	- 15,911	314,987	109	- 14,100	313,176	-5,00%	108	- 6,416	313,406	-3,00%	107	- 3,600	313,547	3,00%	314,712	313,439	-1,273	107	3,600	313,331	-3,00%	108	6,416	313,190	-3,00%	109	34,100	312,360	-5,00%	33	36,204	314,463
866+18,126			33	- 16,078	314,845	109	- 14,100	312,867	-5,00%	108	- 6,416	313,098	-3,00%	107	- 3,600	313,239	3,00%	314,703	313,131	-1,572	107	3,600	313,023	-3,00%	108	6,416	312,882	-3,00%	109	34,100	312,051	-5,00%	33	36,035	313,987
867+0,000			33	- 16,105	314,839	109	- 14,100	312,833	-5,00%	108	- 6,416	313,064	-3,00%	107	- 3,600	313,204	3,00%	314,692	313,096	-1,596	107	3,600	312,988	-3,00%	108	6,416	312,848	-3,00%	109	34,100	312,017	-5,00%	33	36,044	313,961
868+0,000			33	- 16,464	314,805	109	- 14,100	312,441	-5,00%	108	- 6,416	312,671	-3,00%	107	- 3,600	312,812	3,00%	314,584	312,704	-1,880	107	3,600	312,596	-3,00%	108	6,416	312,455	-3,00%	109	34,100	311,625	-5,00%	33	36,365	313,890
869+0,000			33	- 16,901	314,799	109	- 14,100	311,998	-5,00%	108	- 6,416	312,229	-3,00%	107	- 3,600	312,370	3,00%	314,530	312,262	-2,268	107	3,600	312,154	-3,00%	108	6,416	312,013	-3,00%	109	34,100	311,182	-5,00%	33	36,776	313,858
870+0,000			33	- 17,343	314,749	109	- 14,100	311,506	-5,00%	108	- 6,416	311,737	-3,00%	107	- 3,600	311,878	3,00%	314,436	311,770	-2,666	107	3,600	311,662	-3,00%	108	6,416	311,521	-3,00%	109	34,100	310,690	-5,00%	33	37,090	313,680
870+18,126		PTV	33	- 17,742	314,660	109	- 14,100	311,017	-5,00%	108	- 6,416	311,248	-3,00%	107	- 3,600	311,388	3,00%	314,305	311,280	-3,025	107	3,600	311,172	-3,00%	108	6,416	311,032	-3,00%	109	34,100	310,201	-5,00%	33	37,395	313,497
871+0,000			33	- 17,787	314,651	109	- 14,100	310,964	-5,00%	108	- 6,416	311,195	-3,00%	107	- 3,600	311,336	3,00%	314,275	311,228	-3,047	107	3,600	311,120	-3,00%	108	6,416	310,979	-3,00%	109	34,100	310,148	-5,00%	33	37,429	313,477
872+0,000			33	- 18,256	314,558	109	- 14,100	310,402	-5,00%	108	- 6,416	310,633	-3,00%	107	- 3,600	310,773	3,00%	313,923	310,665	-3,258	107	3,600	310,557	-3,00%	108	6,416	310,417	-3,00%	109	34,100	309,586	-5,00%	33	37,783	313,269
873+0,000			33	- 18,621	314,361	109	- 14,100	309,840	-5,00%	108	- 6,416	310,070	-3,00%	107	- 3,600	310,211	3,00%	313,931	310,103	-3,828	107	3,600	309,995	-3,00%	108	6,416	309,854	-3,00%	109	34,100	309,024	-5,00%	33	38,132	313,056
873+13,104			33	- 18,768	314,139	109	- 14,100	309,471	-5,00%	108	- 6,416	309,702	-3,00%	107	- 3,600	309,843	3,00%	313,703	309,735	-3,968	107	3,600	309,627	-3,00%	108	6,416	309,486	-3,00%	109	34,100	308,655	-5,00%	33	38,328	312,883
874+0,000			33	- 18,848	314,026	109	- 14,100	309,277	-5,00%	108	- 6,416	309,508	-3,00%	107	- 3,600	309,649	3,00%	313,581	309,541	-4,041	107	3,600	309,433	-3,00%	108	6,416	309,292	-3,00%	109	34,100	308,461	-5,00%	33	38,426	312,787
875+0,000			33	- 19,119	313,734	109	- 14,100	308,715	-5,00%	108	- 6,416	308,945	-3,00%	107	- 3,600	309,086	3,00%	313,385	308,978	-4,407	107	3,600	308,870	-3,00%	108	6,416	308,729	-3,00%	109	34,100	307,899	-5,00%	33	38,708	312,507
876+0,000			33	- 19,100	313,152	109	- 14,100	308,153	-5,00%	108	- 6,416	308,383	-3,00%	107	- 3,600	308,524	3,00%	313,027	308,416	-4,611	107	3,600	308,308	-3,00%	108	6,416	308,167	-3,00%	109	34,100	307,337	-5,00%	33	38,901	312,137
877+0,000			33	- 19,217	312,707	109	- 14,100	307,590	-5,00%	108	- 6,416	307,821	-3,00%	107	- 3,600	307,962	3,00%	312,416	307,854	-4,562	107	3,600	307,746	-3,00%	108	6,416	307,605	-3,00%	109	34,100	306,774	-5,00%	33	38,922	311,596
878+0,000			33	- 19,685	312,613	109	- 14,100	307,028	-5,00%	108	- 6,416	307,258	-3,00%	107	- 3,600	307,399	3,00%	311,609	307,291	-4,318	107	3,600	307,183	-3,00%	108	6,416	307,042	-3,00%	109	34,100	306,212	-5,00%	33	38,993	311,105
878+15,951			33	- 19,849	312,329	109	- 14,100	306,579	-5,00%	108	- 6,416	306,810	-3,00%	107	- 3,600	306,951	3,00%	311,777	306,843	-4,934	107	3,600	306,735	-3,00%	108	6,416	306,594	-3,00%	109	34,100	305,763	-5,00%	33	39,048	310,712
879+0,000			33	- 19,849	312,214	109	- 14,100	306,466	-5,00%	108	- 6,416	306,696	-3,00%	107	- 3,600	306,837	3,00%	311,658	306,729	-4,929	107	3,600	306,621	-3,00%	108	6,416	306,480	-3,00%	109	34,100	305,650	-5,00%	33	39,013	310,563
880+0,000			33	- 19,653	311,456	109	- 14,100	305,903	-5,00%	108	- 6,416	306,134	-3,00%	107	- 3,600	306,275	3,00%	311,095	306,167	-4,929	107	3,600	306,059	-3,00%	108	6,416	305,918	-3,00%	109	34,100	305,087	-5,00%	33	39,169	310,156
881+0,000			33	- 19,635	310,876	109	- 14,100	305,341	-5,00%	108	- 6,416	305,571	-3,00%	107	- 3,600	305,712	3,00%	310,526	305,604	-4,922	107	3,600	305,496	-3,00%	108	6,416	305,355	-3,00%	109	34,100	304,525	-5,00%	33	39,269	309,693
882+0,000			33	- 19,560	310,238	109	- 14,100	304,778	-5,00%	108	- 6,416	305,009	-3,00%	107	- 3,600	305,150	3,00%	309,890	305,042	-4,848	107	3,600	304,934	-3,00%	108	6,416	304,793	-3,00%	109	34,100	303,962	-5,00%	33	39,366	309,229
882+0,061			33	- 19,559	310,236	109	- 14,100	304,777	-5,00%	108	- 6,416	305,007	-3,00%	107	- 3,600	305,148	3,00%	309,888	305,040	-4,848	107	3,600	304,932	-3,00%	108	6,416	304,791	-3,00%	109	34,100	303,961	-5,00%	33	39,366	309,227
882+12,561	PT		33	- 19,561	309,826	109	- 14,100	304,365	-5,00%	108	- 6,416	304,596	-3,00%	107	- 3,600	304,737	1,33%	309,467	304,689	-4,779	107	3,600	304,581	-3,00%	108	6,416	304,440	-3,00%	109	34,100	303,609	-5,00%	33	39,347	308,857
883+0,000			33	- 19,557	309,577	109	- 14,100	304,120	-5,00%	108	- 6,416	304,351	-3,00%	107	- 3,600	304,492	0,34%	309,193	304,479	-4,714	107	3,600	304,371	-3,00%	108	6,416	304,231	-3,00%	109	34,100	303,400	-5,00%	33	39,314	308,614
883+2,561			33	- 19,555	309,491	109	- 14,100	304,036	-5,00%	108	- 6,416	304,267	-3,00%	107	- 3,600	304,407	0,00%	309,099	304,407	-4,692	107	3,600	304,299	-3,00%	108	6,416	304,159	-3,00%	109	34,100	303,328	-5,00%	33	39,303	308,531

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS

ESTACA	Elementos do Projeto		BR-158/262-MS																																	
			LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM																COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM															
			Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista							Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
884+0,000			33	- 19,542	308,904	109	- 14,100	303,462	-5,00%	108	- 6,416	303,693	-3,00%	107	- 3,600	303,833	-2,33%	308,476	303,917	-4,559	107	3,600	303,809	-3,00%	108	6,416	303,668	-3,00%	109	34,100	302,838	-5,00%	33	39,224	307,961
884+5,061			33	- 19,538	308,734	109	- 14,100	303,295	-5,00%	108	- 6,416	303,526	-3,00%	107	- 3,600	303,667	-3,00%	308,325	303,775	-4,551	107	3,600	303,667	-3,00%	108	6,416	303,526	-3,00%	109	34,100	302,695	-5,00%	33	39,200	307,796
885+0,000			33	- 19,380	308,155	109	- 14,100	302,875	-5,00%	108	- 6,416	303,106	-3,00%	107	- 3,600	303,247	-3,00%	307,962	303,355	-4,607	107	3,600	303,247	-3,00%	108	6,416	303,106	-3,00%	109	34,100	302,275	-5,00%	33	39,114	307,290
886+0,000			33	- 19,112	307,325	109	- 14,100	302,313	-5,00%	108	- 6,416	302,544	-3,00%	107	- 3,600	302,684	-3,00%	307,221	302,792	-4,428	107	3,600	302,684	-3,00%	108	6,416	302,544	-3,00%	109	34,100	301,713	-5,00%	33	38,963	306,577
887+0,000			33	- 18,787	306,438	109	- 14,100	301,751	-5,00%	108	- 6,416	301,981	-3,00%	107	- 3,600	302,122	-3,00%	306,400	302,230	-4,170	107	3,600	302,122	-3,00%	108	6,416	301,981	-3,00%	109	34,100	301,151	-5,00%	33	38,813	305,863
888+0,000			33	- 18,529	305,618	109	- 14,100	301,188	-5,00%	108	- 6,416	301,419	-3,00%	107	- 3,600	301,560	-3,00%	305,539	301,668	-3,871	107	3,600	301,560	-3,00%	108	6,416	301,419	-3,00%	109	34,100	300,588	-5,00%	33	38,662	305,150
889+0,000			33	- 18,263	304,789	109	- 14,100	300,626	-5,00%	108	- 6,416	300,857	-3,00%	107	- 3,600	300,997	-3,00%	304,754	301,105	-3,649	107	3,600	300,997	-3,00%	108	6,416	300,857	-3,00%	109	34,100	300,026	-5,00%	33	38,329	304,255
890+0,000			33	- 17,951	303,914	109	- 14,100	300,064	-5,00%	108	- 6,416	300,294	-3,00%	107	- 3,600	300,435	-3,00%	303,837	300,543	-3,294	107	3,600	300,435	-3,00%	108	6,416	300,294	-3,00%	109	34,100	299,464	-5,00%	33	37,250	302,614
891+0,000			33	- 17,584	302,986	109	- 14,100	299,501	-5,00%	108	- 6,416	299,732	-3,00%	107	- 3,600	299,873	-3,00%	302,987	299,981	-3,007	107	3,600	299,873	-3,00%	108	6,416	299,732	-3,00%	109	34,100	298,901	-5,00%	33	37,488	302,289
892+0,000			33	- 17,171	302,010	109	- 14,100	298,939	-5,00%	108	- 6,416	299,169	-3,00%	107	- 3,600	299,310	-3,00%	302,163	299,418	-2,745	107	3,600	299,310	-3,00%	108	6,416	299,169	-3,00%	109	34,100	298,339	-5,00%	33	37,510	301,748
893+0,000			33	- 16,805	301,081	109	- 14,100	298,377	-5,00%	108	- 6,416	298,607	-3,00%	107	- 3,600	298,748	-3,00%	301,035	298,856	-2,179	107	3,600	298,748	-3,00%	108	6,416	298,607	-3,00%	109	34,100	297,777	-5,00%	33	37,244	300,920
894+0,000		PCV	33	- 16,355	300,069	109	- 14,100	297,814	-5,00%	108	- 6,416	298,045	-3,00%	107	- 3,600	298,186	-3,00%	299,989	298,294	-1,696	107	3,600	298,186	-3,00%	108	6,416	298,045	-3,00%	109	34,100	297,214	-5,00%	33	36,828	299,942
895+0,000			33	- 15,755	298,954	109	- 14,100	297,298	-5,00%	108	- 6,416	297,529	-3,00%	107	- 3,600	297,669	-3,00%	298,922	297,777	-1,144	107	3,600	297,669	-3,00%	108	6,416	297,529	-3,00%	109	34,100	296,698	-5,00%	33	36,327	298,925
896+0,000			33	- 15,006	297,781	109	- 14,100	296,874	-5,00%	108	- 6,416	297,105	-3,00%	107	- 3,600	297,246	-3,00%	297,823	297,354	-0,469	107	3,600	297,246	-3,00%	108	6,416	297,105	-3,00%	109	34,100	296,274	-5,00%	33	35,692	297,866
896+10,000			33	- 14,613	297,210	109	- 14,100	296,697	-5,00%	108	- 6,416	296,928	-3,00%	107	- 3,600	297,069	-3,00%	297,274	297,177	-0,097	107	3,600	297,069	-3,00%	108	6,416	296,928	-3,00%	109	34,100	296,097	-5,00%	33	35,340	297,337
897+0,000			33	- 8,366	296,504	109	- 8,090	296,690	-5,00%	108	-	-	-	107	- 3,600	296,915	-3,00%	296,590	297,023	0,432	107	3,600	296,915	-3,00%	108	-	-	-	109	8,090	296,690	-5,00%	33	8,137	296,657
898+0,000			33	- 10,200	295,043	109	- 8,090	296,452	-5,00%	108	-	-	-	107	- 3,600	296,676	-3,00%	295,192	296,784	1,592	107	3,600	296,676	-3,00%	108	-	-	-	109	8,090	296,452	-5,00%	33	9,834	295,286
899+0,000		PTV	33	- 12,706	293,226	109	- 8,090	296,305	-5,00%	108	-	-	-	107	- 3,600	296,530	-3,00%	293,477	296,638	3,160	107	3,600	296,530	-3,00%	108	-	-	-	109	8,090	296,305	-5,00%	33	12,075	293,646
899+18,083			33	- 15,108	291,534	109	- 8,090	296,215	-5,00%	108	-	-	-	107	- 3,600	296,439	-3,00%	291,900	296,547	4,647	107	3,600	296,439	-3,00%	108	-	-	-	109	8,090	296,215	-5,00%	33	14,120	292,192
900+0,000			33	- 15,356	291,359	109	- 8,090	296,205	-5,00%	108	-	-	-	107	- 3,600	296,430	-3,00%	291,731	296,538	4,807	107	3,600	296,430	-3,00%	108	-	-	-	109	8,090	296,205	-5,00%	33	14,340	292,036
900+0,183																																			
900+2,283																																			
901+0,000																		OAE - EST.900+0,183 a EST.901+12,283																	
901+8,083																																			
901+10,183																																			
901+12,283			33	- 16,051	290,734	109	- 8,090	296,044	-5,00%	108	-	-	-	107	- 3,600	296,268	-3,00%	290,660	296,376	5,716	107	3,600	296,268	-3,00%	108	-	-	-	109	8,810	296,044	-5,00%	33	16,655	290,331
902+0,000			33	- 16,059	290,690	109	- 8,090	296,005	-5,00%	108	-	-	-	107	- 3,600	296,230	-3,00%	290,619	296,338	5,718	107	3,600	296,230	-3,00%	108	-	-	-	109	8,090	296,005	-5,00%	33	16,490	290,403
903+0,000			33	- 16,121	290,549	109	- 8,090	295,905	-5,00%	108	-	-	-	107	- 3,600	296,130	-3,00%	290,512	296,238	5,725	107	3,600	296,130	-3,00%	108	-	-	-	109	8,090	295,905	-5,00%	33	16,164	290,520
904+0,000			33	- 16,068	290,485	109	- 8,090	295,805	-5,00%	108	-	-	-	107	- 3,600	296,030	-3,00%	290,422	296,138	5,716	107	3,600	296,030	-3,00%	108	-	-	-	109	8,090	295,805	-5,00%	33	16,122	290,448
905+0,000			33	- 15,868	290,518	109	- 8,090	295,705	-5,00%	108	-	-	-	107	- 3,600	295,930	-3,00%	290,322	296,038	5,716	107	3,600	295,930	-3,00%	108	-	-	-	109	8,090	295,705	-5,00%	33	16,083	290,374
906+0,000			33	- 15,125	290,913	109	- 8,090	295,605	-5,00%	108	-	-	-	107	- 3,600	295,830	-3,00%	290,387	295,938	5,550	107	3,600	295,830	-3,00%	108	-	-	-	109	8,090	295,605	-5,00%	33	15,960	290,356
907+0,000			33	- 13,610	291,823	109	- 8,090	295,505	-5,00%	108	-	-	-	107	- 3,600	295,730	-3,00%	291,408	295,838	4,430	107	3,600	295,730	-3,00%	108	-	-	-	109	8,090	295,505	-5,00%	33	14,543	291,201
908+0,000			33	- 12,215	292,653	109	- 8,090	295,405	-5,00%	108	-	-	-	107	- 3,600	295,630	-3,00%	292,420	295,738	3,318	107	3,600	295,630	-3,00%	108	-	-	-	109	8,090	295,405	-5,00%	33	12,952	292,162
908+10,000		PCV	33	- 11,463	293,105	109	- 8,090	295,355	-5,00%	108	-	-	-	107	- 3,600	295,580	-3,00%	292,911	295,688	2,777	107	3,600	295,580	-3,00%	108	-	-	-	109	8,090	295,355	-5,00%	33	12,096	292,682
909+0,000			33	- 10,689	293,585	109	- 8,090	295,320	-5,00%	108	-	-	-	107	- 3,600	295,544	-3,00%	293,405	295,652	2,248	107	3,600	295,544	-3,00%	108	-	-	-	109	8,090	295,320	-5,00%	33	11,263	293,202
909+6,858			33	- 10,212	293,896	109	- 8,090	295,313	-5,00%	108	-	-	-	107	- 3,600	295,537	-3,00%	293,735	295,645	1,910	107	3,600	295,537	-3,00%	108	-	-	-	109	8,090	295,313	-5,00%	33	10,735	293,548
910+0,000			33	- 9,392	294,469	109	- 8,090	295,339	-5,00%	108	-	-	-	107	- 3,600	295,563	-3,00%	294,316	295,671	1,355	107	3,600	295,563	-3,00%	108	-	-	-	109	8,090	295,339	-5,00%	33	9,826	294,179
911+0,000			33	- 8,171	295,420	109	- 8,090	295,476	-5,00%	108	-	-	-	107	- 3,600	295,700	-3,00%	295,246	295,808	0,563	107	3,600	295,700	-3,00%	108	-	-	-	109	8,090	295,476	-5,00%	33	8,604	295,131
911+10,000			33	- 7,623	295,899	109	- 7,350	295,626	-5,00%	108	-	-	-	107	- 3,600	295,814	-3,00%	295,735	295,922	0,187	107	3,600	295,814	-3,00%	108	-	-	-	109	8,080	295,590	-5,00%	33	8,082	295,592
912+0,000			33	- 8,224	296,381	109	- 7,600	295,756	-5,00%	108	-	-	-	107	- 3,600	295,956	-3,00%	296,224	296,064	-0,160	107	3,600	295,956	-3,00%	108	-	-	-	109	7,320	295,770	-5,00%	33	7,606	296,052
913+0,000			33	- 17,062	297,325	109	- 14,970	295,933	-5,00%	108	- 6,416	296,190	-3,00%	107	- 3,600	296,331	-3,00%	297,063	296,439	-0,624	107	3,600	296,331	-3,00%	108	6,416	296,190	-3,00%	109	34,600	295,345	-5,00%	33	36,114	296,354
914+0,000			33	- 17,675	298,240	109	- 14,960	296,427	-5,00%	108	- 6,416	296,683	-3,00%	107	- 3,600	296,824	-3,00%	297,934	296,932	-1,002	107	3,600	296,824	-3,00%	108	6,416	296,683	-3,00%	109	34,600	295,838	-5,00%	33	36,704	297,240
914+10,000		PTV	33	- 17,942	298,716	109	- 14,950	296,718	-5,00%	108	- 6,416	296,974	-3,00%	107	- 3,600	297,115	-3,00%	298,413	297,223	-1,190	107	3,600	297,115	-3,00%	108	6,416	296,974	-3,00%	109	34,600	296,129	-5,00%	33	36,962	297,704
915+0,000			33	- 18,187	299,192	109	- 14,940	297,025	-5,00%	108	- 6,416	297,280	-3,00%	107	- 3,600	297,421	-3,00%	298,892	297,529	-1,363	107	3,600	297,421	-3,00%	108	6,416	297,280	-3,00%	109	34,600	296,435	-5,00%	33	37,196	298,165
916+0,000			33	- 18,574	300,076	109	- 14,920	297,637	-5,00%	108	- 6,416	297,892	-3,00%	107	- 3,600	298,033	-3,00%	299,716	298,141	-1,575	107	3,600	298,033	-3,00%	108	6,416	297,892	-3,00%	109	34,600	297,047	-5,00%	33	37,763	299,155
917+0,000			33	- 18,692	300,780	109	- 14,900	298,250	-5,00%	108	- 6,416	298,504	-3,00%	107	- 3,600	298,645	-3,00%	300,494	298,753	-1,742	107	3,600	298,645	-3,00%	108	6,416	298,504	-3,00%	109	34,600	297,658	-5,00%	33	38,364	300,168
918+0,000			33	- 18,863	301,520	109	- 14,880	298,862	-5,00%	108	- 6,416	299,116	-3,00%	107	- 3,600	299,257	-3,00%	301,283	299,365	-1,919	107	3,600	299,257	-3,00%	108	6,416	299,116	-3,00%	109	34,600	298,270	-5,00%	33	38,293	300,732
919+0,000			33	- 19,123	302,318	109	- 14,860	299,474	-5,00%	108	- 6,416	299,728	-3,00%	107	- 3,600	299,868	-3,00%	302,062	299,976	-2,086	107	3,600	299,868	-3,00%	108	6,416	299,728	-3,00%	109	34,600	298,882	-5,00%	33	38,444	301,445
920+0,000			33	- 19,399	303,128	109	- 14,840	300,087	-5,00%	108	- 6,416	300,339	-3,00%	107	- 3,600	300,480	-3,00%	302,886	300,588	-2,298	107	3,600	300,480	-3,00%	108	6,416	300,339	-3,00%	109	34,600	299,494	-5,00%	33	38,518	302,106
921+0,000			33	- 19,531	303,841	109	- 14,820	300,699	-5,00%	108	- 6,416	300,951	-3,00%	107	- 3,600	301,092	-3,00%	303,576	301,200	-2,376	107	3,600	301,092	-3,00%	108	6,416	300,951	-3,00%	109	34,600	300,106	-5,00%	33	38,625	302,789
922+0,000			33	- 19,648	304,545	109	- 14,800	301,312	-5,00%	108	- 6,416	301,563	-3,00%	107	- 3,600	301,704	-3,00%	304,239	301,812	-2,427	107	3,600	301,704	-3,00%	108	6,416	301,563	-3,00%	109	34,600	300,718	-5,00%	33	38,755	303,487
923+0,000			33	- 19,774	305,255	109	- 14,780	301,924	-5,00%	108	- 6,416	302,175	-3,00%	107	- 3,600	302,316	-3,00%	304,970	302,424	-2,546	107	3,600	302,316	-3,00%	108	6,416	302,175	-3,00%	109	34,600	301,329	-5,00%	33	38,914	304,205
924+0,000			33	- 19,753	305,866	109	- 14,760	302,536	-5,00%	108	- 6,416	302,787	-3,00%	107	- 3,600	302,928	-3,00%	305,608	303,036	-2,573	107	3,600	302,928	-3,00%	108	6,416	302,787	-3,00%	109	34,600	301,941	-5,00%	33	38,905	304,811
925+0,000			33	- 19,769	306,503	109	- 14,740	303,149	-5,00%	108	- 6,416	303,399	-3,00%	107	- 3,600	303,539	-3,00%	306,192	303,647	-2,545	107	3,600	303,539	-3,00%	108	6,416	303,399	-3,00%	109	34,600	302,553	-5,00%	33	38,954	305,456
926+0,000			33	- 19,673	307,064	109	- 14,720	303,761	-5,00%	108	- 6,416	304,010	-3,00%	107	- 3,600	304,151	-3,00%	306,693	304,259	-2,433	107	3,600	304,151	-3,00%	108	6,416	304,010	-3,00%	109	34,600	303,165	-5,00%	33	38,999	306,097
927+0,000			33	- 19,704	307,710	109	- 14,700	304,374	-5,00%	108	- 6,416	304,622	-3,00%	107	- 3,600	304,763	-3,00%	307,359	304,871	-2,488	107	3,600	304,763	-3,00%	108	6,416	304,622	-3,00%	109	34,600	303,777	-5,00%	33	38,954	306,680
928+0,000			33	- 19,539	308,226	109	- 14,680	304,986	-5,00%	108	- 6,416	305,234	-3,00%	107	- 3,600	305,375	-3,00%	307,951	305,483	-2,468	107	3,600	305,375	-3,00%	108	6,416	305,234	-3,00%	109	34,600	304,389	-5,00%	33	38,922	307,270
929+0,000			33	- 19,424	308,775	109	- 14,660	305,599	-5,00%	108	- 6,416	305,846	-3,00%	107	- 3,600	305,987	-3,00%	308,436	306,095	-2,341	107	3,600	305,987	-3,00%	108	6,416	305,846	-3,00%	109	34,600	305,000	-5,00%	33	38,909	307,873
930+0,000			33	- 19,305	309,320	109	- 14,640	306,211	-5,00%	108	- 6,416	306,458	-3,00%	107	- 3,600	306,599	-3,00%	308,941	306,707	-2,234	107	3,600	306,599	-3,00%	108	6,416	306,458	-3,00%	109	34,600	305,612	-5,00%	33	38,713	308,354
931+0,000			33	- 19,108	309,815	109	- 14,620	306,823	-5,00%	108	- 6,416	307,070	-3,00%	107	- 3,600	307,210	-3,00%	309,546	307,318	-2,227	107	3,600	307,210	-3,00%	108	6,416	307,070	-3,00%	109	34,600	306,224	-5,00%	33	38,299	308,690
932+0,000			33	- 18,773	310,217	109	- 14,600	307,436	-5,00%	108	- 6,416	307,681	-3,00%	107	- 3,600	307,822	-3,00%	310,014	307,930	-2,084	107	3,600	307,822	-3,00%	108	6,416	307,681	-3,00%	109	34,600	306,836	-5,00%	33	38,030	309,122
933+0,000			33	- 18,395	310,591	109	- 14,580	308,048	-5,00%	108	- 6,416	308,293	-3,00%	107	- 3,600	308,434	-3,00%	310,346	308,542	-1,804	107	3,600	308,434	-3,00%	108	6,416	308,293	-3,00%	109	34,600	307,448	-5,00%	33	37,774	309,564
934+0,000			33	- 18,017	310,964	109	- 14,560	308,661	-5,00%	108	- 6,416	308,905	-3,00%	107	- 3,600	309,046	-3,00%	310,683	309,154	-1,529	107	3,600	309,046	-3,00%	108	6,416	308,905	-3,00%	109	34,600	308,060	-5,00%	33	37,533	310,015
934+15,000		PCV	33	- 17,806	311,293	109	- 14,550	309,120	-5,00%	108	- 6,416	309,364	-3,00%	107	- 3,600	309,505	-3,00%	311,001	309,613	-1,389	107	3,600	309,505	-3,00%	108	6,416	309,364	-3,00%	109	34,600	308,518	-5,00%	33	37,368	310,364
935+0,000			33	- 17,723	311,392	109	- 14,540	309,271	-5,00%	108	- 6,416	309,515	-3,00%	107	- 3,600	309,656	-3,00%	311,110	309,764	-1,346	107	3,600	309,656	-3,00%	108	6,416	309,515	-3,00%	109	34,600	308,670	-5,00%	33	37,315	310,480
936+0,000			33	- 17,573	311,879	109	- 14,520	309,846	-5,00%	108	- 6,416	310,089	-3,00%	107	- 3,600	310,230	-3,00%	311,647	310,338	-1,310	107	3,600	310,230	-3,00%	108	6,416	310,089	-3,00%	109	34,600	309,243	-5,00%	33	37,263	311,019
937+0,000			33	- 18,037	312,724	109	- 14,500	310,368	-5,00%	108	- 6,416	310,611	-3,00%	107	- 3,600	310,752	-3,00%	311,966	310,860	-1,106	107	3,600	310,752	-3,00%	108	6,416	310,611	-3,00%	109	34,600	309,765	-5,00%	33	36,981	311,353
938+0,000			33	- 16,862	312,426	109	- 14,480	310,840	-5,00%	108	- 6,416	311,082	-3,00%	107	- 3,600	311,223	-3,00%	312,206	311,331	-0,875	107	3,600	311,223	-3,00%	108	6,416	311,082	-3,00%	109	34,600	310,237	-5,00%	33	36,687	311,628
939+0,000			33	- 16,478	312,604	109	- 14,460	311,261	-5,00%	108	- 6,416	311,502	-3,00%	107	- 3,600	311,643	-3,00%	312,446	311,751	-0,695	107	3,600	311,643	-3,00%	108	6,416	311,502	-3,00%	109	34,600	310,656	-5,00%	33	36,411	311,864
939+15,000			33	- 16,244	312,739	109	- 14,450	311,542	-5,00%	108	- 6,416	311,783	-3,00%	107	- 3,600	311,924	-3,00%	312,591	312,032	-0,559	107	3,600	311,924	-3,00%	108	6,416	311,783	-3,00%	109	34,600	310,938	-5,00%	33	36,138	311,963
940+0,000			33	- 16,162	312,775	109	- 14,440	311,630	-5,00%	108	- 6,416	311,871	-3,00%	107	- 3,600	312,011	-3,00%	312,637	312,119	-0,517	107	3,600	312,011	-3,00%	108	6,416	311,871	-3,00%	109	34,600	311,025	-5,00%	33	36,057	311,997

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

BR-158/262-MS

Rodovia: BR-158/262-MS ESTACA	Elementos do Projeto Planta	Elementos do Projeto Perfil	LE Talude P.	LE Talude Dist.	LE Talude Cota	LE Fim da plataforma P.	LE Fim da plataforma Dist.	LE Fim da plataforma Cota	LE Fim da plataforma Decliv.	LE Início do alargamento de corte P.	LE Início do alargamento de corte Dist.	LE Início do alargamento de corte Cota	LE Início do alargamento de corte Decliv.	LE Bordo da pista P.	LE Bordo da pista Dist.	LE Bordo da pista Cota	LE Bordo da pista Decliv.	Cotas de Eixo Terreno Natural	Cotas de Eixo Terraplenagem	Cotas de Eixo Cota vermelha	LD Bordo da pista P.	LD Bordo da pista Dist.	LD Bordo da pista Cota	LD Bordo da pista Cota	LD Início do alargamento de corte P.	LD Início do alargamento de corte Dist.	LD Início do alargamento de corte Cota	LD Início do alargamento de corte Decliv.	LD Fim da plataforma P.	LD Fim da plataforma Dist.	LD Fim da plataforma Cota	LD Fim da plataforma Cota	LD Talude P.	LD Talude Dist.	LD Talude Cota
941+0,000			33	- 15,874	312,914	109	- 14,420	311,948	-5,00%	108	- 6,416	312,188	-3,00%	107	- 3,600	312,329	-3,00%	312,757	312,437	-0,320	107	3,600	312,329	-3,00%	108	6,416	312,188	-3,00%	109	34,600	311,343	-5,00%	33	35,780	312,129
942+0,000			33	- 15,562	312,987	109	- 14,400	312,215	-5,00%	108	- 6,416	312,455	-3,00%	107	- 3,600	312,595	-3,00%	312,811	312,703	-0,107	107	3,600	312,595	-3,00%	108	6,416	312,455	-3,00%	109	34,600	311,609	-5,00%	33	35,399	312,141
943+0,000			33	- 7,927	312,937	109	- 7,600	312,611	-5,00%	108	-	-	-	107	- 3,600	312,811	-3,00%	312,851	312,919	0,067	107	3,600	312,811	-3,00%	108	-	-	-	109	7,650	312,608	-5,00%	33	7,810	312,771
944+0,000			33	- 7,699	313,008	109	- 7,470	312,781	-5,00%	108	-	-	-	107	- 3,600	312,974	-3,00%	312,977	313,082	0,106	107	3,600	312,974	-3,00%	108	-	-	-	109	7,910	312,759	-5,00%	33	7,973	312,826
944+15,000		PTV	33	- 7,822	313,016	109	- 8,090	312,840	-5,00%	108	-	-	-	107	- 3,600	313,064	-3,00%	312,951	313,172	0,221	107	3,600	313,064	-3,00%	108	-	-	-	109	8,090	312,840	-5,00%	33	8,081	312,843
945+0,000			33	- 7,879	313,003	109	- 8,090	312,865	-5,00%	108	-	-	-	107	- 3,600	313,089	-3,00%	312,938	313,197	0,259	107	3,600	313,089	-3,00%	108	-	-	-	109	8,090	312,865	-5,00%	33	8,110	312,849
946+0,000			33	- 7,981	313,035	109	- 7,920	312,973	-5,00%	108	-	-	-	107	- 3,600	313,189	-3,00%	312,898	313,297	0,399	107	3,600	313,189	-3,00%	108	-	-	-	109	8,090	312,965	-5,00%	33	8,261	312,848
947+0,000			33	- 8,062	313,081	109	- 8,050	313,066	-5,00%	108	-	-	-	107	- 3,600	313,289	-3,00%	312,930	313,397	0,467	107	3,600	313,289	-3,00%	108	-	-	-	109	8,090	313,065	-5,00%	33	8,419	312,843
948+0,000			33	- 8,346	312,992	109	- 8,090	313,165	-5,00%	108	-	-	-	107	- 3,600	313,389	-3,00%	312,935	313,497	0,562	107	3,600	313,389	-3,00%	108	-	-	-	109	8,090	313,165	-5,00%	33	8,583	312,834
948+11,347			33	- 8,443	312,984	109	- 8,090	313,221	-5,00%	108	-	-	-	107	- 3,600	313,446	-3,00%	312,922	313,554	0,632	107	3,600	313,446	-3,00%	108	-	-	-	109	8,090	313,221	-5,00%	33	8,684	312,823
DISPOSITIVO EST.965+0,000 - EST.948+11,347 a EST. 985+14,054																																			
985+14,054			33	- 8,114	306,166	109	- 7,600	305,651	-5,00%	108	-	-	-	107	- 3,600	305,851	-3,00%	305,968	305,959	-0,008	107	3,600	305,851	-3,00%	108	-	-	-	109	7,320	305,665	-5,00%	33	7,604	305,949
986+0,000			33	- 8,069	305,927	109	- 7,600	305,459	-5,00%	108	-	-	-	107	- 3,600	305,659	-3,00%	305,786	305,767	-0,019	107	3,600	305,659	-3,00%	108	-	-	-	109	7,600	305,459	-5,00%	33	7,907	305,766
987+0,000			33	- 8,030	305,240	109	- 7,600	304,810	-5,00%	108	-	-	-	107	- 3,600	305,010	-3,00%	305,180	305,118	-0,061	107	3,600	305,010	-3,00%	108	-	-	-	109	7,600	304,810	-5,00%	33	7,975	305,185
988+0,000			33	- 8,086	304,648	109	- 7,600	304,162	-5,00%	108	-	-	-	107	- 3,600	304,362	-3,00%	304,571	304,470	-0,101	107	3,600	304,362	-3,00%	108	-	-	-	109	7,600	304,162	-5,00%	33	7,966	304,528
989+0,000			33	- 8,070	303,984	109	- 7,600	303,514	-5,00%	108	-	-	-	107	- 3,600	303,714	-3,00%	303,921	303,822	-0,099	107	3,600	303,714	-3,00%	108	-	-	-	109	7,600	303,514	-5,00%	33	7,935	303,848
990+0,000			33	- 8,026	303,292	109	- 7,600	302,865	-5,00%	108	-	-	-	107	- 3,600	303,065	-3,00%	303,247	303,173	-0,074	107	3,600	303,065	-3,00%	108	-	-	-	109	7,600	302,865	-5,00%	33	7,925	303,191
991+0,000			33	- 8,077	302,694	109	- 7,600	302,217	-5,00%	108	-	-	-	107	- 3,600	302,417	-3,00%	302,594	302,525	-0,069	107	3,600	302,417	-3,00%	108	-	-	-	109	7,350	302,230	-5,00%	33	7,622	302,503
992+0,000			33	- 8,062	302,031	109	- 7,600	301,569	-5,00%	108	-	-	-	107	- 3,600	301,769	-3,00%	301,979	301,877	-0,103	107	3,600	301,769	-3,00%	108	-	-	-	109	7,600	301,569	-5,00%	33	7,915	301,884
993+0,000			33	- 7,936	301,257	109	- 7,600	300,921	-5,00%	108	-	-	-	107	- 3,600	301,121	-3,00%	301,148	301,229	0,081	107	3,600	301,121	-3,00%	108	-	-	-	109	7,730	300,914	-5,00%	33	7,861	301,046
994+0,000			33	- 8,177	300,849	109	- 7,600	300,272	-5,00%	108	-	-	-	107	- 3,600	300,472	-3,00%	300,774	300,580	-0,193	107	3,600	300,472	-3,00%	108	-	-	-	109	7,600	300,272	-5,00%	33	7,976	300,648
995+0,000			33	- 8,213	300,237	109	- 7,600	299,624	-5,00%	108	-	-	-	107	- 3,600	299,824	-3,00%	300,107	299,932	-0,175	107	3,600	299,824	-3,00%	108	-	-	-	109	7,600	299,624	-5,00%	33	7,949	299,973
996+0,000			33	- 8,197	299,573	109	- 7,600	298,976	-5,00%	108	-	-	-	107	- 3,600	299,176	-3,00%	299,440	299,284	-0,156	107	3,600	299,176	-3,00%	108	-	-	-	109	7,600	298,976	-5,00%	33	7,971	299,347
997+0,000			33	- 8,166	298,893	109	- 7,600	298,327	-5,00%	108	-	-	-	107	- 3,600	298,527	-3,00%	298,807	298,635	-0,172	107	3,600	298,527	-3,00%	108	-	-	-	109	7,600	298,327	-5,00%	33	7,995	298,723
998+0,000			33	- 8,135	298,214	109	- 7,600	297,679	-5,00%	108	-	-	-	107	- 3,600	297,879	-3,00%	298,183	297,987	-0,196	107	3,600	297,879	-3,00%	108	-	-	-	109	7,600	297,679	-5,00%	33	8,026	298,105
999+0,000			33	- 8,025	297,456	109	- 7,600	297,031	-5,00%	108	-	-	-	107	- 3,600	297,231	-3,00%	297,437	297,339	-0,098	107	3,600	297,231	-3,00%	108	-	-	-	109	7,600	297,031	-5,00%	33	7,937	297,368
1000+0,000			33	- 7,984	296,767	109	- 7,600	296,383	-5,00%	108	-	-	-	107	- 3,600	296,583	-3,00%	296,692	296,691	-0,002	107	3,600	296,583	-3,00%	108	-	-	-	109	7,440	296,391	-5,00%	33	7,677	296,631
1001+0,000			33	- 8,094	296,228	109	- 7,600	295,734	-5,00%	108	-	-	-	107	- 3,600	295,934	-3,00%	296,116	296,042	-0,073	107	3,600	295,934	-3,00%	108	-	-	-	109	7,410	295,744	-5,00%	33	7,658	295,995
1002+0,000			33	- 8,204	295,690	109	- 7,600	295,086	-5,00%	108	-	-	-	107	- 3,600	295,286	-3,00%	295,504	295,394	-0,110	107	3,600	295,286	-3,00%	108	-	-	-	109	7,460	295,093	-5,00%	33	7,692	295,325
1003+0,000			33	- 8,136	294,973	109	- 7,600	294,438	-5,00%	108	-	-	-	107	- 3,600	294,638	-3,00%	294,839	294,746	-0,093	107	3,600	294,638	-3,00%	108	-	-	-	109	7,400	294,448	-5,00%	33	7,651	294,704
1004+0,000			33	- 8,046	294,236	109	- 7,600	293,789	-5,00%	108	-	-	-	107	- 3,600	293,989	-3,00%	294,120	294,097	-0,022	107	3,600	293,989	-3,00%	108	-	-	-	109	7,490	293,795	-5,00%	33	7,711	294,016
1005+0,000			33	- 8,013	293,554	109	- 7,600	293,141	-5,00%	108	-	-	-	107	- 3,600	293,341	-3,00%	293,441	293,449	0,008	107	3,600	293,341	-3,00%	108	-	-	-	109	7,580	293,142	-5,00%	33	7,768	293,329
1006+0,000			33	- 7,985	292,878	109	- 7,600	292,493	-5,00%	108	-	-	-	107	- 3,600	292,693	-3,00%	292,781	292,801	0,020	107	3,600	292,693	-3,00%	108	-	-	-	109	7,620	292,492	-5,00%	33	7,794	292,663
1007+0,000			33	- 8,031	292,275	109	- 7,600	291,844	-5,00%	108	-	-	-	107	- 3,600	292,044	-3,00%	292,190	292,152	-0,038	107	3,600	292,044	-3,00%	108	-	-	-	109	7,330	291,858	-5,00%	33	7,607	292,140
1008+0,000			33	- 8,129	291,725	109	- 7,600	291,196	-5,00%	108	-	-	-	107	- 3,600	291,396	-3,00%	291,705	291,504	-0,201	107	3,600	291,396	-3,00%	108	-	-	-	109	7,600	291,196	-5,00%	33	8,047	291,644
1009+0,000			33	- 8,214	291,162	109	- 7,600	290,548	-5,00%	108	-	-	-	107	- 3,600	290,748	-3,00%	291,018	290,856	-0,162	107	3,600	290,748	-3,00%	108	-	-	-	109	8,090	290,524	-5,00%	33	7,678	290,900
1010+0,000			33	- 8,255	290,555	109	- 7,600	289,900	-5,00%	108	-	-	-	107	- 3,600	290,100	-3,00%	290,454	290,208	-0,246	107	3,600	290,100	-3,00%	108	-	-	-	109	7,600	289,900	-5,00%	33	8,029	290,329
1011+0,000			33	- 8,278	289,929	109	- 7,600	289,251	-5,00%	108	-	-	-	107	- 3,600	289,451	-3,00%	289,810	289,559	-0,250	107	3,600	289,451	-3,00%	108	-	-	-	109	7,600	289,251	-5,00%	33	8,064	289,715
1011+10,000			33	- 8,301	289,628	109	- 7,600	288,927	-5,00%	108	-	-	-	107	- 3,600	289,127	-3,00%	289,475	289,235	-0,240	107	3,600	289,127	-3,00%	108	-	-	-	109	7,600	288,927	-5,00%	33	8,053	289,381
1012+0,000		PCV	33	- 8,320	289,327	109	- 7,600	288,607	-5,00%	108	-	-	-	107	- 3,600	288,807	-3,00%	289,147	288,915	-0,232	107	3,600	288,807	-3,00%	108	-	-	-	109	7,600	288,607	-5,00%	33	8,039	289,046
1013+0,000			33	- 8,236	288,623	109	- 7,600	287,988	-5,00%	108	-	-	-	107	- 3,600	288,188	-3,00%	288,473	288,296	-0,178	107	3,600	288,188	-3,00%	108	-	-	-	109	7,600	287,988	-5,00%	33	7,973	288,361
1014+0,000			33	- 8,096	287,893	109	- 7,600	287,398	-5,00%	108	-	-	-	107	- 3,600	287,598	-3,00%	287,751	287,706	-0,045	107	3,600	287,598	-3,00%	108	-	-	-	109	7,490	287,404	-5,00%	33	7,707	287,626
1014+10,000			33	- 8,008	287,522	109	- 7,600	287,114	-5,00%	108	-	-	-	107	- 3,600	287,314	-3,00%	287,359	287,422	0,063	107	3,600	287,314	-3,00%	108	-	-	-	109	7,740	287,107	-5,00%	33	7,866	287,236
1015+0,000		PTV	33	- 7,948	287,182	109	- 7,600	286,834	-5,00%	108	-	-	-	107	- 3,600	287,034	-3,00%	287,041	287,142	0,101	107	3,600	287,034	-3,00%	108	-	-	-	109	7,860	286,820	-5,00%	33	7,946	286,903
1016+0,000			33	- 7,718	286,494	109	- 7,500	286,278	-5,00%	108	-	-	-	107	- 3,600	286,473	-3,00%	286,396	286,581	0,185	107	3,600	286,473	-3,00%	108	-	-	-	109	7,960	286,255	-5,00%	33	8,009	286,301
1017+0,000			33	- 7,754	285,910	109	- 7,560	285,715	-5,00%	108	-	-	-	107	- 3,600	285,913	-3,00%	285,783	286,021	0,238	107	3,600	285,913	-3,00%	108	-	-	-	109	8,070	285,689	-5,00%	33	8,075	285,696
1018+0,000			33	- 7,631	285,432	109	- 7,360	285,164	-5,00%	108	-	-	-	107	- 3,600	285,352	-3,00%	285,298	285,460	0,162	107	3,600	285,352	-3,00%	108	-	-	-	109	8,090	285,128	-5,00%	33	8,113	285,110
1019+0,000			33	- 7,962	284,954	109	- 7,600	284,592	-5,00%	108	-	-	-	107	- 3,600	284,792	-3,00%	284,835	284,900	0,065	107	3,600	284,792	-3,00%	108	-	-	-	109	7,920	284,576	-5,00%	33	7,979	284,639
1020+0,000			33	- 7,991	284,422	109	- 7,600	284,031	-5,00%	108	-	-	-	107	- 3,600	284,231	-3,00%	284,317	284,339	0,022	107	3,600	284,231	-3,00%	108	-	-	-	109	7,850	284,018	-5,00%	33	7,939	284,105
1021+0,000			33	- 7,964	283,528	109	- 7,890	283,456	-5,00%	108	-	-	-	107	- 3,600	283,671	-3,00%	283,335	283,779	0,443	107	3,600	283,671	-3,00%	108	-	-	-	109	8,090	283,446	-5,00%	33	8,847	282,939
1022+0,000			33	- 8,744	282,448	109	- 8,090	282,886	-5,00%	108	-	-	-	107	- 3,600	283,110	-3,00%	281,979	283,218	1,239	107	3,600	283,110	-3,00%	108	-	-	-	109	8,090	282,886	-5,00%	33	10,308	281,405
1023+0,000			33	- 10,060	281,010	109	- 8,090	282,325	-5,00%	108	-	-	-	107	- 3,600	282,550	-3,00%	280,355	282,658	2,303	107	3,600	282,550	-3,00%	108	-	-	-	109	8,090	282,325	-5,00%	33	11,769	279,870
1024+0,000			33	- 11,010	279,816	109	- 8,090	281,765	-5,00%	108	-	-	-	107	- 3,600	281,989	-3,00%	279,497	282,097	2,600	107	3,600	281,989	-3,00%	108	-	-	-	109	8,090	281,765	-5,00%	33	11,614	279,413
1025+0,000			33	- 11,067	279,217	109	- 8,090	281,204	-5,00%	108	-	-	-	107	- 3,600	281,429	-3,00%	279,120	281,537	2,417	107	3,600	281,429	-3,00%	108	-	-	-	109	8,090	281,204	-5,00%	33	11,005	279,259
1026+0,000			33	- 10,921	278,754	109	- 8,090	280,644	-5,00%	108	-	-	-	107	- 3,600	280,868	-3,00%	278,752	280,976	2,224	107	3,600	280,868	-3,00%	108	-	-	-	109	8,090	280,644	-5,00%	33	10,781	278,848
1027+0,000			33	- 10,868	278,229	109	- 8,090	280,083	-5,00%	108	-	-	-	107	- 3,600	280,308	-3,00%	278,372	280,416	2,043	107	3,600	280,308	-3,00%	108	-	-	-	109	8,090	280,083	-5,00%	33	10,537	278,449
1028+0,000			33	- 10,783	277,725	109	- 8,090	279,523	-5,00%	108	-	-	-	107	- 3,600	279,747	-3,00%	277,846	279,855	2,009	107	3,600	279,747	-3,00%	108	-	-	-	109	8,090	279,523	-5,00%	33	10,364	278,004
1029+0,000			33	- 10,805	277,150	109	- 8,090	278,962	-5,00%	108	-	-	-	107	- 3,600	279,187	-3,00%	277,146	279,295	2,148	107	3,600	279,187	-3,00%	108	-	-	-	109	8,090	278,962	-5,00%	33	10,379	277,434
1029+10,000		PCV	33	- 11,122	276,658	109	- 8,090	278,682	-5,00%	108	-	-	-	107	- 3,600	278,906	-3,00%	276,897	279,014	2,117	107	3,600	278,906	-3,00%	108	-	-	-	109	8,090	278,682	-5,00%	33	10,557	277,035
1030+0,000			33	- 11,643	276,027	109	- 8,090	278,398	-5,00%	108	-	-	-	107	- 3,600	278,622	-3,00%	276,582	278,730	2,148	107	3,600	278,622	-3,00%	108	-	-	-	109	8,090	278,398	-5,00%	33	10,836	276,565
1031+0,000			33	- 11,036	275,839	109	- 8,090	277,805	-5,00%	108	-	-	-	107	- 3,600	278,029	-3,00%	275,787	278,137	2,350	107	3,600	278,029	-3,00%	108	-	-	-	109	8,090	277,805	-5,00%	33	11,044	275,833
1032+0,000			33	- 9,355	276,335	109	- 8,090	277,180	-5,00%	108	-	-	-	107	- 3,600	277,405	-3,00%	275,831	277,513	1,682	107	3,600	277,405	-3,00%	108	-	-	-	109	8,090	277,180	-5,00%	33	11,103	275,169
1032+10,000		PTV	33	- 8,516	276,569	109	- 8,090	276,856	-5,00%	108	-	-	-	107	- 3,600	277,080	-3,00%	276,076	277,188	1,112	107	3,600	277,080	-3,00%	108	-	-	-	109	8,090	276,856	-5,00%	33	9,825	275,697
1033+0,000			33	- 7,672	276,804	109	- 7,430	276,560	-5,00%	108	-	-	-	107	- 3,600	276,752	-3,00%	276,322	276,860	0,538	107	3,600	276,752	-3,00%	108	-	-	-	109	8,090	276,527	-5,00%	33	8,911	275,978
1034+0,000			33	- 8,235	276,529	109	- 7,600	275,895	-5,00%	108	-	-	-	107	- 3,600	276,095	-3,00%	276,104	276,203	0,099	107	3,600	276,095	-3,00%	108	-	-	-	109	8,090	275,870	-5,00%	33	8,468	275,616
1035+0,000			33	- 8,011	275,648	109	- 7,600	275,238	-5,00%	108	-	-	-	107	- 3,600	275,438	-3,00%	275,225	275,546	0,321	107	3,600	275,438	-3,00%	108	-	-	-	109	8,090	275,213	-5,00%	33	8,711	274,797
1036+0,000			33	- 7,947	274,650	109	- 8,090	274,556	-5,00%	108	-	-	-	107	- 3,600	274,781	-3,00%	274,233	274,889	0,655	107	3,600	274,781	-3,00%	108	-	-	-	109	8,090	274,556	-5,00%	33	9,424	273,665
1037+0,000			33	- 9,245	273,127	109	- 8,090	273,900	-5,00%	108	-	-	-	107	- 3,600	274,124	-3,00%	272,813	274,232	1,419	107	3,600	274,124	-3,00%	108	-	-	-	109	8,090	273,900	-5,00%	33	10,208	272,485
1037+15,000		PCV	33	- 10,048	272,099	109	- 8,090	273,407	-5,00%	108	-	-	-	107	- 3,600	273,631	-3,00%	272,121	273,739	1,618	107	3,600	273,631	-3,00%	108	-	-	-	109	8,090	273,407	-5,00%	33	10,203	271,996

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		BR-158/262-MS																																				
			LADO ESQUERDO																COTAS DE EIXO			LADO DIREITO																	
			PLATAFORMA DE TERRAPLENAGEM																			PLATAFORMA DE TERRAPLENAGEM																	
			Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista							Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude			
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota				
1038+0,000			33	- 10,452	271,668	109	- 8,090	273,245	-5,00%	108	-	-	-	107	- 3,600	273,470	-3,00%	271,729	273,578	1,849	107	3,600	273,470	-3,00%	108	-	-	-	109	8,090	273,245	-5,00%	33	10,128	271,885				
1039+0,000			33	- 11,344	270,486	109	- 8,090	272,657	-5,00%	108	-	-	-	107	- 3,600	272,881	-3,00%	270,399	272,989	2,590	107	3,600	272,881	-3,00%	108	-	-	-	109	8,090	272,657	-5,00%	33	11,297	270,517				
1040+0,000			33	- 11,258	270,045	109	- 8,090	272,160	-5,00%	108	-	-	-	107	- 3,600	272,384	-3,00%	269,994	272,492	2,498	107	3,600	272,384	-3,00%	108	-	-	-	109	8,090	272,160	-5,00%	33	11,146	270,120				
1041+0,000			33	- 10,885	269,888	109	- 8,090	271,754	-5,00%	108	-	-	-	107	- 3,600	271,978	-3,00%	269,815	272,086	2,271	107	3,600	271,978	-3,00%	108	-	-	-	109	8,090	271,754	-5,00%	33	10,768	269,966				
1041+15,000			33	- 10,613	269,825	109	- 8,090	271,509	-5,00%	108	-	-	-	107	- 3,600	271,734	-3,00%	269,762	271,842	2,080	107	3,600	271,734	-3,00%	108	-	-	-	109	8,090	271,509	-5,00%	33	10,523	269,885				
1042+0,000			33	- 10,540	269,803	109	- 8,090	271,439	-5,00%	108	-	-	-	107	- 3,600	271,663	-3,00%	269,772	271,771	2,000	107	3,600	271,663	-3,00%	108	-	-	-	109	8,090	271,439	-5,00%	33	10,448	269,865				
1043+0,000			33	- 10,149	269,841	109	- 8,090	271,216	-5,00%	108	-	-	-	107	- 3,600	271,440	-3,00%	269,809	271,548	1,739	107	3,600	271,440	-3,00%	108	-	-	-	109	8,090	271,216	-5,00%	33	10,226	269,789				
1044+0,000			33	- 9,967	269,830	109	- 8,090	271,084	-5,00%	108	-	-	-	107	- 3,600	271,308	-3,00%	269,788	271,416	1,628	107	3,600	271,308	-3,00%	108	-	-	-	109	8,090	271,084	-5,00%	33	10,028	269,789				
1044+18,945			33	- 9,960	269,794	109	- 8,090	271,043	-5,00%	108	-	-	-	107	- 3,600	271,267	-3,00%	269,767	271,375	1,608	107	3,600	271,267	-3,00%	108	-	-	-	109	8,090	271,043	-5,00%	33	9,949	269,801				
1045+0,000			33	- 9,963	269,792	109	- 8,090	271,043	-5,00%	108	-	-	-	107	- 3,600	271,267	-3,00%	269,766	271,375	1,609	107	3,600	271,267	-3,00%	108	-	-	-	109	8,090	271,043	-5,00%	33	9,950	269,800				
1045+15,000		PTV	33	- 10,050	269,763	109	- 8,090	271,072	-5,00%	108	-	-	-	107	- 3,600	271,296	-3,00%	269,746	271,404	1,659	107	3,600	271,296	-3,00%	108	-	-	-	109	8,090	271,072	-5,00%	33	10,024	269,781				
1046+0,000			33	- 10,091	269,754	109	- 8,090	271,090	-5,00%	108	-	-	-	107	- 3,600	271,315	-3,00%	269,732	271,423	1,691	107	3,600	271,315	-3,00%	108	-	-	-	109	8,090	271,090	-5,00%	33	10,072	269,767				
1047+0,000			33	- 10,256	269,717	109	- 8,090	271,164	-5,00%	108	-	-	-	107	- 3,600	271,388	-3,00%	269,684	271,496	1,812	107	3,600	271,388	-3,00%	108	-	-	-	109	8,090	271,164	-5,00%	33	10,302	269,687				
1048+0,000			33	- 9,854	270,059	109	- 8,090	271,237	-5,00%	108	-	-	-	107	- 3,600	271,461	-3,00%	270,032	271,569	1,537	107	3,600	271,461	-3,00%	108	-	-	-	109	8,090	271,237	-5,00%	33	9,972	269,980				
1049+0,000			33	- 9,511	270,361	109	- 8,090	271,310	-5,00%	108	-	-	-	107	- 3,600	271,535	-3,00%	270,360	271,643	1,282	107	3,600	271,535	-3,00%	108	-	-	-	109	8,090	271,310	-5,00%	33	9,675	270,251				
1050+0,000			33	- 9,695	270,311	109	- 8,090	271,384	-5,00%	108	-	-	-	107	- 3,600	271,608	-3,00%	270,337	271,716	1,379	107	3,600	271,608	-3,00%	108	-	-	-	109	8,090	271,384	-5,00%	33	9,905	270,171				
1051+0,000			33	- 9,812	270,306	109	- 8,090	271,457	-5,00%	108	-	-	-	107	- 3,600	271,681	-3,00%	270,246	271,789	1,543	107	3,600	271,681	-3,00%	108	-	-	-	109	8,090	271,457	-5,00%	33	10,181	270,060				
1051+8,611			33	- 9,871	270,299	109	- 8,090	271,488	-5,00%	108	-	-	-	107	- 3,600	271,713	-3,00%	270,122	271,821	1,698	107	3,600	271,713	-3,00%	108	-	-	-	109	8,090	271,488	-5,00%	33	10,444	269,917				
1052+0,000			33	- 10,110	270,181	109	- 8,090	271,530	-5,00%	108	-	-	-	107	- 3,600	271,754	-3,00%	269,939	271,862	1,924	107	3,600	271,754	-3,00%	108	-	-	-	109	8,090	271,530	-5,00%	33	10,767	269,743				
1052+2,685			33	- 10,166	270,153	109	- 8,090	271,540	-5,00%	108	-	-	-	107	- 3,600	271,764	-3,00%	269,895	271,872	1,977	107	3,600	271,764	-3,00%	108	-	-	-	109	8,090	271,540	-5,00%	33	10,837	269,706				
1052+15,000		PCV	33	- 10,258	270,137	109	- 8,090	271,585	-5,00%	108	-	-	-	107	- 3,600	271,809	-3,00%	269,854	271,917	2,063	107	3,600	271,872	-1,25%	108	-	-	-	109	8,090	271,648	-5,00%	33	11,006	269,702				
1053+0,000			33	- 10,283	270,138	109	- 8,090	271,603	-5,00%	108	-	-	-	107	- 3,600	271,827	-3,00%	269,861	271,935	2,074	107	3,600	271,915	-0,54%	108	-	-	-	109	8,090	271,691	-5,00%	33	11,011	269,741				
1053+3,796			33	- 10,300	270,139	109	- 8,090	271,615	-5,00%	108	-	-	-	107	- 3,600	271,839	-3,00%	269,866	271,947	2,082	107	3,600	271,947	0,00%	108	-	-	-	109	8,090	271,723	-5,00%	33	11,014	269,771				
1053+16,464	PC		33	- 11,074	269,658	109	- 8,090	271,650	-5,00%	108	-	-	-	107	- 3,600	271,874	-3,00%	269,882	271,982	2,100	107	3,600	272,047	1,80%	108	-	-	-	109	8,090	271,813	-5,20%	33	11,043	269,846				
1053+17,871			33	- 11,091	269,650	109	- 8,090	271,653	-5,00%	108	-	-	-	107	- 3,600	271,877	-3,00%	269,884	271,985	2,102	107	3,600	272,057	2,00%	108	-	-	-	109	8,090	271,833	-5,00%	33	11,056	269,854				
1054+0,000			33	- 11,066	269,671	109	- 8,090	271,658	-5,00%	108	-	-	-	107	- 3,600	271,882	-3,00%	269,889	271,990	2,101	107	3,600	272,073	2,30%	108	-	-	-	109	8,080	271,863	-4,70%	33	11,074	269,865				
1054+2,796			33	- 11,021	269,708	109	- 8,090	271,664	-5,00%	108	-	-	-	107	- 3,600	271,888	-3,00%	269,912	271,996	2,084	107	3,600	272,093	2,70%	108	-	-	-	109	8,060	271,901	-4,30%	33	11,098	269,878				
1054+4,908			33	- 10,985	269,735	109	- 8,090	271,668	-5,00%	108	-	-	-	107	- 3,600	271,892	-3,00%	269,930	272,000	2,070	107	3,600	272,108	3,00%	108	-	-	-	109	8,050	271,930	-4,00%	33	11,116	269,889				
1055+0,000			33	- 10,625	269,996	109	- 8,090	271,689	-5,00%	108	-	-	-	107	- 3,600	271,913	-3,00%	269,731	272,021	2,290	107	3,600	272,129	3,00%	108	-	-	-	109	8,050	271,951	-4,00%	33	11,078	269,936				
1055+15,000			33	- 10,747	269,922	109	- 8,090	271,696	-5,00%	108	-	-	-	107	- 3,600	271,920	-3,00%	269,585	272,028	2,443	107	3,600	272,136	3,00%	108	-	-	-	109	8,060	271,958	-4,00%	33	11,692	269,534				
1055+15,657			33	- 10,776	269,903	109	- 8,090	271,696	-5,00%	108	-	-	-	107	- 3,600	271,920	-3,00%	269,587	272,028	2,441	107	3,600	272,136	3,00%	108	-	-	-	109	8,050	271,958	-4,00%	33	11,770	269,482				
1056+0,000			33	- 10,962	269,779	109	- 8,090	271,696	-5,00%	108	-	-	-	107	- 3,600	271,920	-3,00%	269,607	272,028	2,421	107	3,600	272,136	3,00%	108	-	-	-	109	8,050	271,958	-4,00%	33	11,924	269,378				
1057+0,000			33	- 11,612	269,328	109	- 8,090	271,678	-5,00%	108	-	-	-	107	- 3,600	271,903	-3,00%	269,157	272,011	2,853	107	3,600	272,119	3,00%	108	-	-	-	109	8,050	271,940	-4,00%	33	12,397	269,046				
1058+0,000			33	- 11,244	269,532	109	- 8,090	271,637	-5,00%	108	-	-	-	107	- 3,600	271,861	-3,00%	269,528	271,969	2,441	107	3,600	272,077	3,00%	108	-	-	-	109	8,050	271,899	-4,00%	33	11,737	269,444				
1058+15,000		PTV	33	- 10,928	269,696	109	- 8,090	271,590	-5,00%	108	-	-	-	107	- 3,600	271,814	-3,00%	269,753	271,922	2,169	107	3,600	272,030	3,00%	108	-	-	-	109	8,050	271,852	-4,00%	33	11,145	269,792				
1059+0,000			33	- 10,840	269,736	109	- 8,090	271,572	-5,00%	108	-	-	-	107	- 3,600	271,796	-3,00%	269,828	271,904	2,076	107	3,600	272,012	3,00%	108	-	-	-	109	8,050	271,834	-4,00%	33	10,964	269,894				
1060+0,000			33	- 10,196	270,094	109	- 8,090	271,500	-5,00%	108	-	-	-	107	- 3,600	271,724	-3,00%	270,281	271,832	1,551	107	3,600	271,940	3,00%	108	-	-	-	109	8,050	271,762	-4,00%	33	10,242	270,304				
1060+3,562			33	- 10,081	270,158	109	- 8,090	271,487	-5,00%	108	-	-	-	107	- 3,600	271,712	-3,00%	270,341	271,820	1,479	107	3,600	271,928	3,00%	108	-	-	-	109	8,050	271,750	-4,00%	33	10,202	270,318				
1061+0,000			33	- 9,551	270,452	109	- 8,090	271,428	-5,00%	108	-	-	-	107	- 3,600	271,653	-3,00%	270,422	271,761	1,339	107	3,600	271,869	3,00%	108	-	-	-	109	8,050	271,691	-4,00%	33	10,019	270,381				
1062+0,000			33	- 9,288	270,556	109	- 8,090	271,357	-5,00%	108	-	-	-	107	- 3,600	271,581	-3,00%	270,528	271,689	1,161	107	3,600	271,797	3,00%	108	-	-	-	109	8,050	271,619	-4,00%	33	9,932	270,367				
1063+0,000			33	- 9,219	270,530	109	- 8,090	271,285	-5,00%	108	-	-	-	107	- 3,600	271,509	-3,00%	270,383	271,617	1,235	107	3,600	271,725	3,00%	108	-	-	-	109	8,050	271,547	-4,00%	33	10,365	270,007				
1064+0,000			33	- 9,549	270,239	109	- 8,090	271,213	-5,00%	108	-	-	-	107	- 3,600	271,438	-3,00%	269,834	271,546	1,711	107	3,600	271,654	3,00%	108	-	-	-	109	8,050	271,476	-4,00%	33	11,273	269,330				
1065+0,000			33	- 10,400	269,599	109	- 8,090	271,142	-5,00%	108	-	-	-	107	- 3,600	271,366	-3,00%	269,162	271,474	2,312	107	3,600	271,582	3,00%	108	-	-	-	109	8,050	271,404	-4,00%	33	11,737	268,949				
1066+0,000			33	- 11,103	269,059	109	- 8,090	271,070	-5,00%	108	-	-	-	107	- 3,600	271,294	-3,00%	269,088	271,402	2,315	107	3,600	271,510	3,00%	108	-	-	-	109	8,050	271,332	-4,00%	33	11,405	269,099				
1066+2,216			33	- 11,114	269,044	109	- 8,090	271,062	-5,00%	108	-	-	-	107	- 3,600	271,286	-3,00%	269,097	271,394	2,298	107	3,600	271,502	3,00%	108	-	-	-	109	8,050	271,324	-4,00%	33	11,369	269,115				
1066+4,327			33	- 11,090	269,052	109	- 8,090	271,055	-5,00%	108	-	-	-	107	- 3,600	271,279	-3,00%	269,105	271,387	2,282	107	3,600	271,484	2,70%	108	-	-	-	109	8,060	271,292	-4,30%	33	11,306	269,131				
1066+9,253			33	- 11,033	269,072	109	- 8,090	271,037	-5,00%	108	-	-	-	107	- 3,600	271,261	-3,00%	269,125	271,369	2,244	107	3,600	271,441	2,00%	108	-	-	-	109	8,090	271,217	-5,00%	33	11,161	269,167				
1066+10,659	PT		33	- 11,017	269,078	109	- 8,090	271,032	-5,00%	108	-	-	-	107	- 3,600	271,256	-3,00%	269,131	271,364	2,234	107	3,600	271,429	1,80%	108	-	-	-	109	8,090	271,195	-5,20%	33	11,119	269,178				
1067+0,000			33	- 10,841	269,162	109	- 8,090	270,998	-5,00%	108	-	-	-	107	- 3,600	271,223	-3,00%	269,221	271,331	2,110	107	3,600	271,348	0,47%	108	-	-	-	109	8,090	271,121	-5,05%	33	10,969	269,200				
1067+3,327			33	- 10,763	269,202	109	- 8,090	270,986	-5,00%	108	-	-	-	107	- 3,600	271,211	-3,00%	269,261	271,319	2,057	107	3,600	271,319	0,00%	108	-	-	-	109	8,090	271,094	-5,00%	33	10,924	269,203				
1067+5,000		PCV	33	- 10,723	269,223	109	- 8,090	270,980	-5,00%	108	-	-	-	107	- 3,600	271,205	-3,00%	269,281	271,313	2,031	107	3,600	271,304	-0,24%	108	-	-	-	109	8,090	271,080	-5,00%	33	10,900	269,204				
1068+0,000			33	- 10,410	269,391	109	- 8,090	270,940	-5,00%	108	-	-	-	107	- 3,600	271,164	-3,00%	269,462	271,272	1,810	107	3,600	271,187	-2,37%	108	-	-	-	109	8,090	270,963	-5,00%	33	10,709	269,214				
1068+4,438			33	- 10,376	269,407	109	- 8,090	270,933	-5,00%	108	-	-	-	107	- 3,600	271,157	-3,00%	269,516	271,265	1,750	107	3,600	271,157	-3,00%	108	-	-	-	109	8,090	270,933	-5,00%	33	10,661	269,217				
1068+15,000			33	- 10,309	269,444	109	- 8,090	270,926	-5,00%	108	-	-	-	107	- 3,600	271,150	-3,00%	269,643	271,258	1,615	107	3,600	271,150	-3,00%	108	-	-	-	109	8,090	270,926	-5,00%	33	10,648	269,218				
1068+15,356			33	- 10,307	269,446	109	- 8,090	270,926	-5,00%	108	-	-	-	107	- 3,600	271,150	-3,00%	269,648	271,258	1,611	107	3,600	271,150	-3,00%	108	-	-	-	109	8,090	270,926	-5,00%	33	10,648	269,218				
1068+18,512			33	- 10,291	269,457	109	- 8,090	270,927	-5,00%	108	-	-	-	107	- 3,600	271,151	-3,00%	269,686	271,259	1,573	107	3,600	271,151	-3,00%	108	-	-	-	109	8,090	270,927	-5,00%	33	10,649	269,218				
1069+0,000			33	- 10,284	269,462	109	- 8,090	270,927	-5,00%	108	-	-	-	107	- 3,600	271,152	-3,00%	269,704	271,260	1,556	107	3,600	271,152	-3,00%	108	-	-	-	109	8,090	270,927	-5,00%	33	10,650	269,219				
1070+0,000			33	- 10,468	269,374	109	- 8,090	270,962	-5,00%	108	-	-	-	107	- 3,600	271,186	-3,00%	269,397	271,294	1,897	107	3,600	271,186	-3,00%	108	-	-	-	109	8,090	270,962	-5,00%	33	10,962	269,045				
1070+5,000		PTV	33	- 10,663	269,261	109	- 8,090	270,978	-5,00%	108	-	-	-	107	- 3,600	271,202	-3,00%	269,284	271,310	2,026	107	3,600	271,202	-3,00%	108	-	-	-	109	8,090	270,978	-5,00%	33	10,902	269,101				
1071+0,000			33	- 10,835	269,198	109	- 8,090	271,030	-5,00%	108	-	-	-	107	- 3,600	271,255	-3,00%	269,224	271,363	2,138	107	3,600	271,255	-3,00%	108	-	-	-	109	8,090	271,030	-5,00%	33	10,615	269,345				
1072+0,000			33	- 10,802	269,290	109	- 8,090	271,100	-5,00%	108	-	-	-	107	- 3,600	271,325	-3,00%	269,541	271,433	1,892	107	3,600	271,325	-3,00%	108	-	-	-	109	8,090	271,100	-5,00%	33	10,099	269,758				
1073+0,000			33	- 10,715	269,418	109	- 8,090	271,170	-5,00%	108	-	-	-	107	- 3,600	271,395	-3,00%	269,702	271,503	1,801	107	3,600	271,395	-3,00%	108	-	-	-	109	8,090	271,170	-5,00%	33	10,422	269,614				
1074+0,000			33	- 10,302	269,764	109	- 8,090	271,240	-5,00%	108	-	-	-	107	- 3,600	271,465	-3,00%	269,657	271,573	1,916	107	3,600	271,465	-3,00%	108	-	-	-	109	8,090	271,240	-5,00%	33	10,611	269,558				
1075+0,000			33	- 10,492	269,707	109	- 8,090	271,310	-5,00%	108	-	-	-	107	- 3,600	271,535	-3,00%	269,451	271,643	2,192	107	3,600	271,535	-3,00%	108	-	-	-	109	8,090	271,310	-5,00%	33	10,978	269,383				
1076+0,000			33	- 10,902	269,503	109	- 8,090	271,380	-5,00%	108	-	-	-	107	- 3,600	271,605	-3,00%	269,331	271,713	2,382	107	3,600	271,605	-3,00%	108	-	-	-	109	8,090	271,380	-5,00%	33	11,256	269,268				
1076+9,006			33	- 11,120	269,389	109	- 8,090	271,412	-5,00%	108	-	-	-	107	- 3,600	271,636	-3,00%	269,269	271,744	2,475	107	3,600	271,636	-3,00%	108	-	-	-	109	8,090	271,412	-5,00%	33	11,394	269,207				
1077+0,000			33	- 11,059	269,468	109	- 8,090	271,450	-5,00%	108	-	-	-	107	- 3,600	271,674	-3,00%	269,265	271,782	2,518	107	3,600	271,674	-3,00%	108	-	-	-	109	8,090	271,450	-5,00%	33	11,544	269,145				
1078+0,000			33	- 11,419	269,298	109	- 8,090	271,520	-5,00%	108	-	-	-	107	- 3,600	271,745	-3,00%	269,156	271,853	2,696	107	3,600	271,745	-3,00%	108	-	-	-	109	8,090	271,520	-5,00%	33	11,844	269,015				
1079+0,000			33	- 11,874	269,065	109	- 8,090	271,590	-5,00%	108	-	-	-	107	- 3,600	271,815	-3,00%	268,926	271,923	2,997	107	3,600	271,815	-3,00%	108	-	-	-	109	8,090	271,590	-5,00%	33	12,300	268,781				
1080+0,000			33	- 12,220	268,905	109	- 8,090	271,660	-5,00%	108	-	-	-	107	- 3,600	271,885	-3,00%	268,808	271,993	3,184	107	3,600	271,885	-3,00%	108	-	-	-	109	8,090	271,660	-5,00%	33	12,427	268,767				
1081+0,000			33	- 12,398	268,856	109	- 8,090	271,730	-5,00%	108	-	-	-	107	- 3,600	271,955	-3,00%	268,930	272,063	3,133	107	3,600	271,955	-3,00%	108	-	-	-	109	8,090	271,730	-5,00%	33	12,320	268,908				

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM																COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM															
			Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista				Terreno Natural	Terraplenagem	Cota vermelha	Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
1082+0,000			33	12,423	268,909	109	8,090	271,800	-5,00%	108	-	-	-	107	3,600	272,025	-3,00%	269,108	272,133	3,024	107	3,600	272,025	-3,00%	108	-	-	-	109	8,090	271,800	-5,00%	33	12,092	269,130
1083+0,000			33	12,189	269,135	109	8,090	271,870	-5,00%	108	-	-	-	107	3,600	272,095	-3,00%	269,237	272,203	2,966	107	3,600	272,095	-3,00%	108	-	-	-	109	8,090	271,870	-5,00%	33	12,123	269,179
1084+0,000			33	12,010	269,325	109	8,090	271,940	-5,00%	108	-	-	-	107	3,600	272,165	-3,00%	269,399	272,273	2,874	107	3,600	272,165	-3,00%	108	-	-	-	109	8,090	271,940	-5,00%	33	12,082	269,276
1085+0,000			33	11,785	269,545	109	8,090	272,010	-5,00%	108	-	-	-	107	3,600	272,235	-3,00%	269,635	272,343	2,708	107	3,600	272,235	-3,00%	108	-	-	-	109	8,090	272,010	-5,00%	33	12,020	269,388
1086+0,000			33	11,607	269,733	109	8,090	272,080	-5,00%	108	-	-	-	107	3,600	272,305	-3,00%	269,749	272,413	2,663	107	3,600	272,305	-3,00%	108	-	-	-	109	8,090	272,080	-5,00%	33	12,160	269,365
1087+0,000			33	11,562	269,833	109	8,090	272,150	-5,00%	108	-	-	-	107	3,600	272,375	-3,00%	269,679	272,483	2,804	107	3,600	272,375	-3,00%	108	-	-	-	109	8,090	272,150	-5,00%	33	12,535	269,184
1088+0,000			33	11,564	268,902	109	8,090	272,220	-5,00%	108	-	-	-	107	3,600	272,445	-3,00%	269,576	272,553	2,976	107	3,600	272,445	-3,00%	108	-	-	-	109	8,090	272,220	-5,00%	33	16,715	268,768
1089+0,000			33	11,859	268,775	109	8,090	272,290	-5,00%	108	-	-	-	107	3,600	272,515	-3,00%	269,532	272,623	3,091	107	3,600	272,515	-3,00%	108	-	-	-	109	8,090	272,290	-5,00%	33	16,965	268,671
1090+0,000		PCV	33	15,560	269,678	109	8,090	272,360	-5,00%	108	-	-	-	107	3,600	272,585	-3,00%	269,556	272,693	3,136	107	3,600	272,585	-3,00%	108	-	-	-	109	8,090	272,360	-5,00%	33	16,960	268,745
1091+0,000			33	15,863	269,522	109	8,090	272,407	-5,00%	108	-	-	-	107	3,600	272,631	-3,00%	269,384	272,739	3,355	107	3,600	272,631	-3,00%	108	-	-	-	109	8,090	272,407	-5,00%	33	17,288	268,572
1091+9,476			33	16,050	269,403	109	8,090	272,412	-5,00%	108	-	-	-	107	3,600	272,636	-3,00%	269,185	272,744	3,559	107	3,600	272,636	-3,00%	108	-	-	-	109	8,090	272,412	-5,00%	33	17,526	268,419
1091+10,000			33	16,079	269,384	109	8,090	272,412	-5,00%	108	-	-	-	107	3,600	272,636	-3,00%	269,174	272,744	3,570	107	3,600	272,636	-3,00%	108	-	-	-	109	8,090	272,412	-5,00%	33	17,538	268,411
1092+0,000			33	16,566	269,053	109	8,090	272,405	-5,00%	108	-	-	-	107	3,600	272,630	-3,00%	268,954	272,738	3,783	107	3,600	272,630	-3,00%	108	-	-	-	109	8,090	272,405	-5,00%	33	17,770	268,250
1093+0,000		PTV	33	17,466	268,403	109	8,090	272,357	-5,00%	108	-	-	-	107	3,600	272,581	-3,00%	268,265	272,689	4,424	107	3,600	272,581	-3,00%	108	-	-	-	109	8,090	272,357	-5,00%	33	17,985	268,057
1093+1,419			33	17,528	268,357	109	8,090	272,352	-5,00%	108	-	-	-	107	3,600	272,576	-3,00%	268,211	272,684	4,473	107	3,600	272,576	-3,00%	108	-	-	-	109	8,090	272,352	-5,00%	33	17,996	268,045
1094+0,000			33	17,904	268,039	109	8,090	272,284	-5,00%	108	-	-	-	107	3,600	272,509	-3,00%	267,602	272,617	5,015	107	3,600	272,509	-3,00%	108	-	-	-	109	8,090	272,284	-5,00%	33	18,198	267,843
1095+0,000			33	18,186	267,778	109	8,090	272,212	-5,00%	108	-	-	-	107	3,600	272,436	-3,00%	267,529	272,544	5,015	107	3,600	272,436	-3,00%	108	-	-	-	109	8,090	272,212	-5,00%	33	18,506	267,565
1095+2,235			33	18,203	267,759	109	8,090	272,204	-5,00%	108	-	-	-	107	3,600	272,428	-3,00%	267,540	272,536	4,996	107	3,600	272,428	-3,00%	108	-	-	-	109	8,090	272,204	-5,00%	33	18,478	267,576
1096+0,000			33	18,284	267,641	109	8,090	272,139	-5,00%	108	-	-	-	107	3,600	272,364	-3,00%	267,596	272,472	4,876	107	3,600	272,395	-2,13%	108	-	-	-	109	8,090	272,171	-5,00%	33	18,253	267,693
1097+0,000			33	18,083	267,702	109	8,090	272,067	-5,00%	108	-	-	-	107	3,600	272,291	-3,00%	267,646	272,399	4,753	107	3,600	272,358	-1,15%	108	-	-	-	109	8,090	272,133	-5,00%	33	17,852	267,923
1098+0,000			33	18,042	267,657	109	8,090	271,994	-5,00%	108	-	-	-	107	3,600	272,219	-3,00%	267,719	272,327	4,608	107	3,600	272,320	-0,17%	108	-	-	-	109	8,090	272,096	-5,00%	33	17,636	268,029
1098+3,460	TE		33	18,044	267,643	109	8,090	271,982	-5,00%	108	-	-	-	107	3,600	272,206	-3,00%	267,735	272,314	4,579	107	3,600	272,314	0,00%	108	-	-	-	109	8,090	272,090	-5,00%	33	17,640	268,021
1099+0,000			33	17,988	267,620	109	8,090	271,922	-5,00%	108	-	-	-	107	3,600	272,146	-3,00%	267,885	272,254	4,369	107	3,600	272,283	0,81%	108	-	-	-	109	8,090	272,059	-5,00%	33	17,680	267,963
1100+0,000			33	17,351	267,973	109	8,090	271,849	-5,00%	108	-	-	-	107	3,600	272,074	-3,00%	268,057	272,182	4,124	107	3,600	272,246	1,79%	108	-	-	-	109	8,090	272,022	-5,00%	33	17,596	267,982
1100+4,276			33	17,222	268,043	109	8,090	271,834	-5,00%	108	-	-	-	107	3,600	272,058	-3,00%	268,085	272,166	4,081	107	3,600	272,238	2,00%	108	-	-	-	109	8,090	272,014	-5,00%	33	17,557	268,000
1101+0,000			33	17,092	268,073	109	8,090	271,777	-5,00%	108	-	-	-	107	3,600	272,001	-3,00%	268,184	272,109	3,925	107	3,600	272,209	2,77%	108	-	-	-	109	8,090	271,985	-5,00%	33	17,411	268,068
1101+4,684			33	17,074	268,068	109	8,090	271,760	-5,00%	108	-	-	-	107	3,600	271,984	-3,00%	268,207	272,092	3,885	107	3,600	272,200	3,00%	108	-	-	-	109	8,090	271,976	-5,00%	33	17,366	268,090
1102+0,000			33	19,037	266,677	109	8,090	271,677	-5,00%	108	-	-	-	107	3,600	271,902	-3,75%	267,720	272,037	4,317	107	3,600	272,172	3,75%	108	-	-	-	109	8,050	272,000	-3,85%	33	17,355	268,097
1103+0,000			33	16,052	268,559	109	8,090	271,570	-5,00%	108	-	-	-	107	3,600	271,794	-4,73%	268,347	271,964	3,617	107	3,600	272,134	4,73%	108	-	-	-	109	8,000	272,031	-2,36%	33	17,457	268,029
1103+3,460	EC		33	16,092	268,514	109	8,090	271,551	-5,00%	108	-	-	-	107	3,600	271,775	-4,90%	268,321	271,952	3,631	107	3,600	272,128	4,90%	108	-	-	-	109	8,000	272,036	-2,10%	33	17,902	267,732
1104+0,000			33	16,423	268,233	109	8,090	271,491	-5,00%	108	-	-	-	107	3,600	271,715	-4,90%	268,290	271,892	3,601	107	3,600	272,068	4,90%	108	-	-	-	109	8,000	271,976	-2,10%	33	16,854	268,371
1105+0,000			33	16,177	268,325	109	8,090	271,418	-5,00%	108	-	-	-	107	3,600	271,643	-4,90%	268,502	271,819	3,317	107	3,600	271,996	4,90%	108	-	-	-	109	8,000	271,903	-2,10%	33	17,320	267,988
1106+0,000			33	15,905	268,434	109	8,090	271,346	-5,00%	108	-	-	-	107	3,600	271,570	-4,90%	268,667	271,747	3,079	107	3,600	271,923	4,90%	108	-	-	-	109	8,000	271,831	-2,10%	33	16,664	268,353
1107+0,000			33	14,389	268,605	109	8,090	271,273	-5,00%	108	-	-	-	107	3,600	271,498	-4,90%	268,842	271,674	2,832	107	3,600	271,851	4,90%	108	-	-	-	109	8,000	271,758	-2,10%	33	14,915	268,680
1108+0,000			33	14,080	268,739	109	8,090	271,201	-5,00%	108	-	-	-	107	3,600	271,425	-4,90%	268,996	271,602	2,606	107	3,600	271,778	4,90%	108	-	-	-	109	8,000	271,686	-2,10%	33	14,564	268,841
1109+0,000			33	13,913	268,777	109	8,090	271,129	-5,00%	108	-	-	-	107	3,600	271,353	-4,90%	268,996	271,529	2,533	107	3,600	271,706	4,90%	108	-	-	-	109	8,000	271,613	-2,10%	33	14,376	268,894
1110+0,000			33	13,826	268,763	109	8,090	271,056	-5,00%	108	-	-	-	107	3,600	271,280	-4,90%	268,974	271,457	2,483	107	3,600	271,633	4,90%	108	-	-	-	109	8,000	271,541	-2,10%	33	14,282	268,884
1111+0,000		PCV	33	13,724	268,758	109	8,090	270,984	-5,00%	108	-	-	-	107	3,600	271,208	-4,90%	268,958	271,384	2,426	107	3,600	271,561	4,90%	108	-	-	-	109	8,000	271,468	-2,10%	33	14,215	268,857
1112+0,000			33	13,601	268,792	109	8,090	270,935	-5,00%	108	-	-	-	107	3,600	271,159	-4,90%	269,016	271,336	2,319	107	3,600	271,512	4,90%	108	-	-	-	109	8,000	271,420	-2,10%	33	14,124	268,868
1112+10,000			33	13,564	268,810	109	8,090	270,928	-5,00%	108	-	-	-	107	3,600	271,153	-4,90%	268,986	271,329	2,343	107	3,600	271,505	4,90%	108	-	-	-	109	8,000	271,413	-2,10%	33	14,194	268,815
1112+10,524			33	13,562	268,811	109	8,090	270,928	-5,00%	108	-	-	-	107	3,600	271,153	-4,90%	268,984	271,329	2,345	107	3,600	271,505	4,90%	108	-	-	-	109	8,000	271,413	-2,10%	33	14,203	268,809
1113+0,000			33	13,507	268,853	109	8,090	270,934	-5,00%	108	-	-	-	107	3,600	271,158	-4,90%	268,956	271,334	2,379	107	3,600	271,511	4,90%	108	-	-	-	109	8,000	271,418	-2,10%	33	14,379	268,697
1113+12,019			33	13,444	268,917	109	8,090	270,956	-5,00%	108	-	-	-	107	3,600	271,180	-4,90%	268,909	271,356	2,448	107	3,600	271,533	4,90%	108	-	-	-	109	8,000	271,440	-2,10%	33	14,587	268,580
1114+0,000		PTV	33	13,435	268,947	109	8,090	270,980	-5,00%	108	-	-	-	107	3,600	271,204	-4,90%	268,875	271,381	2,506	107	3,600	271,557	4,90%	108	-	-	-	109	8,000	271,465	-2,10%	33	14,758	268,490
1115+0,000			33	13,730	268,821	109	8,090	271,050	-5,00%	108	-	-	-	107	3,600	271,274	-4,90%	268,723	271,451	2,728	107	3,600	271,627	4,90%	108	-	-	-	109	8,000	271,535	-2,10%	33	14,997	268,401
1116+0,000			33	13,896	268,780	109	8,090	271,120	-5,00%	108	-	-	-	107	3,600	271,344	-4,90%	268,504	271,521	3,016	107	3,600	271,697	4,90%	108	-	-	-	109	8,000	271,605	-2,10%	33	15,167	268,358
1117+0,000			33	14,121	268,700	109	8,090	271,190	-5,00%	108	-	-	-	107	3,600	271,414	-4,90%	268,314	271,591	3,276	107	3,600	271,767	4,90%	108	-	-	-	109	8,000	271,675	-2,10%	33	15,431	268,252
1118+0,000			33	14,291	268,657	109	8,090	271,260	-5,00%	108	-	-	-	107	3,600	271,484	-4,90%	268,418	271,661	3,242	107	3,600	271,837	4,90%	108	-	-	-	109	8,000	271,745	-2,10%	33	15,204	268,473
1119+0,000			33	14,511	268,580	109	8,090	271,330	-5,00%	108	-	-	-	107	3,600	271,554	-4,90%	268,450	271,731	3,281	107	3,600	271,907	4,90%	108	-	-	-	109	8,000	271,815	-2,10%	33	15,028	268,661
1120+0,000			33	14,694	268,528	109	8,090	271,400	-5,00%	108	-	-	-	107	3,600	271,624	-4,90%	268,474	271,801	3,327	107	3,600	271,977	4,90%	108	-	-	-	109	8,000	271,885	-2,10%	33	15,127	268,665
1121+0,000			33	14,728	268,575	109	8,090	271,470	-5,00%	108	-	-	-	107	3,600	271,694	-4,90%	268,632	271,871	3,238	107	3,600	272,047	4,90%	108	-	-	-	109	8,000	271,955	-2,10%	33	15,080	268,766
1122+0,000			33	14,577	268,746	109	8,090	271,540	-5,00%	108	-	-	-	107	3,600	271,764	-4,90%	269,006	271,941	2,934	107	3,600	272,117	4,90%	108	-	-	-	109	8,000	272,025	-2,10%	33	14,948	268,924
1123+0,000			33	14,473	268,885	109	8,090	271,610	-5,00%	108	-	-	-	107	3,600	271,834	-4,90%	269,011	272,011	2,999	107	3,600	272,187	4,90%	108	-	-	-	109	8,000	272,095	-2,10%	33	15,127	268,874
1124+0,000			33	14,451	268,970	109	8,090	271,680	-5,00%	108	-	-	-	107	3,600	271,904	-4,90%	269,007	272,081	3,074	107	3,600	272,257	4,90%	108	-	-	-	109	8,000	272,165	-2,10%	33	15,362	268,788
1124+0,579	CE		33	14,451	268,972	109	8,090	271,682	-5,00%	108	-	-	-	107	3,600	271,906	-4,90%	269,006	272,083	3,077	107	3,600	272,259	4,90%	108	-	-	-	109	8,000	272,167	-2,10%	33	15,370	268,785
1125+0,000			33	14,534	269,019	109	8,090	271,784	-5,00%	108	-	-	-	107	3,600	272,008	-3,95%	269,018	272,151	3,132	107	3,600	272,293	3,95%	108	-	-	-	109	8,040	272,135	-3,55%	33	15,432	268,741
1125+19,354			33	14,641	269,050	109	8,090	271,886	-5,00%	108	-	-	-	107	3,600	272,110	-3,00%	268,909	272,218	3,310	107	3,600	272,326	3,00%	108	-	-	-	109	8,090	272,102	-5,00%	33	15,491	268,699
1126+0,000			33	14,644	269,050	109	8,090	271,888	-5,00%	108	-	-	-	107	3,600	272,113	-3,00%	268,909	272,221	3,312	107	3,600	272,327	2,97%	108	-	-	-	109	8,090	272,103	-5,00%	33	15,495	268,698
1126+10,000		PCV	33	14,688	269,056	109	8,090	271,923	-5,00%	108	-	-	-	107	3,600	272,148	-3,00%	268,896	272,256	3,359	107	3,600	272,345	2,48%	108	-	-	-	109	8,090	272,120	-5,00%	33	15,489	268,719
1126+19,762			33	14,721	269,062	109	8,090	271,952	-5,00%	108	-	-	-	107	3,600	272,176	-3,00%	268,885	272,284	3,400	107	3,600	272,356	2,00%	108	-	-	-	109	8,090	272,132	-5,00%	33	15,413	268,781
1127+0,000			33	14,722	269,062	109	8,090	271,952	-5,00%	108	-	-	-	107	3,600	272,177	-3,00%	268,882	272,285	3,402	107	3,600	272,356	1,99%	108	-	-	-	109	8,090	272,132	-5,00%	33	15,415	268,779
1128+0,000			33	14,732	269,079	109	8,090	271,976	-5,00%	108	-	-	-	107	3,600	272,200	-3,00%	268,698	272,308	3,610	107	3,600	272,344	1,01%	108	-	-	-	109	8,090	272,120	-5,00%	33	15,504	268,708
1129+0,000			33	14,941	268,916	109	8,090	271,952	-5,00%	108	-	-	-	107	3,600	272,177	-3,00%	268,739	272,285	3,546	107	3,600	272,286	0,03%	108	-	-	-	109	8,090	272,061	-5,00%	33	15,402	268,718
1129+0,579	ET		33	14,937	268,918	109	8,090	271,951	-5,00%	108	-	-	-	107	3,600	272,175	-3,00%	268,738	272,283	3,545	107	3,600	272,283	0,00%	108	-	-	-	109	8,090	272,059	-5,00%	33	15,394	268,721
1129+10,000		PTV	33	14,987	268,856	109	8,090	271,923	-5,00%	108	-	-	-	107	3,600	272,148	-3,00%	268,728	272,256	3,528	107	3,600	272,239	-0,46%	108	-	-	-	109	8,090	272,015	-5,00%	33	15,252	268,771
1130+0,000			33	15,057	268,775	109	8,090	271,888	-5,00%	108	-	-	-	107	3,600	272,113	-3,00%	268,718	272,221	3,503	107	3,600	272,186	-0,95%	108	-	-	-	109	8,090	271,962	-5,00%	33	15,136	268,796
1131+0,000			33	15,072	268,695	109	8,090	271,818	-5,00%	108	-	-	-	107	3,600	272,043	-3,00%	268,733	272,151	3,418	107	3,600	272,081	-1,93%	108	-	-	-	109	8,090	271,857	-5,00%	33	14,826	268,897
1132+0,000			33	14,971	268,692	109	8,090	271,748	-5,00%	108	-	-	-	107	3,600	271,973	-3,00%	268,728	272,081	3,353	107	3,600	271,976	-2,91%	108	-	-	-	109	8,090	271,752	-5,00%	33	14,889	268,750
1132+1,803			33	14,954	268,697	109	8,090	271,742	-5,00%	108	-	-	-	107	3,600	271,966	-3,00%	268,728	272,074	3,347	107	3,600	271,966	-3,00%	108	-	-	-	109	8,090	271,742	-5,00%	33	14,877	268,748
1133+0,000			33	14,845	268,706	109	8,090	271,678	-5,00%	108	-	-	-	107	3,600	271,903	-3,00%	268,724	272,011	3,287	107	3,600	271,903	-3,00%	108	-	-	-	109	8,090	271,678	-5,00%	33	14,932	268,648
1134+0,000			33	14,800	268,666	109	8,090	271,609	-5,00%	108	-	-	-	107	3,600	271,833	-3,00%	268,721	271,941	3,220	107	3,600	271,833	-3,00%	108	-	-	-	109	8,090	271,609	-5,00%	33	14,913	268,590

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		BR-158/262-MS																																				
			LADO ESQUERDO																COTAS DE EIXO			LADO DIREITO																
			PLATAFORMA DE TERRAPLENAGEM																			PLATAFORMA DE TERRAPLENAGEM																
			Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista							Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude			
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota	P.	Dist.	Cota
1134+2,619			33	14,794	268,661	109	8,090	271,599	-5,00%	108	-	-	-	107	3,600	271,824	-3,00%	268,735	271,932	3,197	107	3,600	271,824	-3,00%	108	-	-	-	109	8,090	271,599	-5,00%	33	14,908	268,585
1135+0,000			33	14,774	268,614	109	8,090	271,539	-5,00%	108	-	-	-	107	3,600	271,763	-3,00%	268,824	271,871	3,047	107	3,600	271,763	-3,00%	108	-	-	-	109	8,090	271,539	-5,00%	33	14,811	268,589
1136+0,000			33	14,585	268,670	109	8,090	271,469	-5,00%	108	-	-	-	107	3,600	271,693	-3,00%	268,990	271,801	2,811	107	3,600	271,693	-3,00%	108	-	-	-	109	8,090	271,469	-5,00%	33	14,482	268,738
1137+0,000			33	14,385	268,733	109	8,090	271,399	-5,00%	108	-	-	-	107	3,600	271,623	-3,00%	268,918	271,731	2,813	107	3,600	271,623	-3,00%	108	-	-	-	109	8,090	271,399	-5,00%	33	14,557	268,619
1138+0,000			33	14,354	268,684	109	8,090	271,329	-5,00%	108	-	-	-	107	3,600	271,553	-3,00%	268,589	271,661	3,072	107	3,600	271,553	-3,00%	108	-	-	-	109	8,090	271,329	-5,00%	33	14,599	268,520
1139+0,000			33	14,249	268,684	109	8,090	271,259	-5,00%	108	-	-	-	107	3,600	271,483	-3,00%	268,786	271,591	2,805	107	3,600	271,483	-3,00%	108	-	-	-	109	8,090	271,259	-5,00%	33	14,557	268,478
1140+0,000			33	14,062	268,739	109	8,090	271,189	-5,00%	108	-	-	-	107	3,600	271,413	-3,00%	268,780	271,521	2,741	107	3,600	271,413	-3,00%	108	-	-	-	109	8,090	271,189	-5,00%	33	14,540	268,420
1141+0,000			33	14,039	268,684	109	8,090	271,119	-5,00%	108	-	-	-	107	3,600	271,343	-3,00%	268,698	271,451	2,754	107	3,600	271,343	-3,00%	108	-	-	-	109	8,090	271,119	-5,00%	33	14,574	268,327
1142+0,000			33	14,235	268,483	109	8,090	271,049	-5,00%	108	-	-	-	107	3,600	271,273	-3,00%	268,507	271,381	2,874	107	3,600	271,273	-3,00%	108	-	-	-	109	8,090	271,049	-5,00%	33	14,633	268,218
1143+0,000			33	14,394	268,307	109	8,090	270,979	-5,00%	108	-	-	-	107	3,600	271,203	-3,00%	268,421	271,311	2,891	107	3,600	271,203	-3,00%	108	-	-	-	109	8,090	270,979	-5,00%	33	14,627	268,152
1144+0,000			33	14,532	268,145	109	8,090	270,909	-5,00%	108	-	-	-	107	3,600	271,133	-3,00%	268,470	271,241	2,772	107	3,600	271,133	-3,00%	108	-	-	-	109	8,090	270,909	-5,00%	33	14,546	268,136
1144+10,000		PCV	33	14,455	268,162	109	8,090	270,874	-5,00%	108	-	-	-	107	3,600	271,098	-3,00%	268,399	271,206	2,807	107	3,600	271,098	-3,00%	108	-	-	-	109	8,090	270,874	-5,00%	33	14,472	268,151
1145+0,000			33	14,303	268,234	109	8,090	270,845	-5,00%	108	-	-	-	107	3,600	271,069	-3,00%	268,327	271,177	2,850	107	3,600	271,069	-3,00%	108	-	-	-	109	8,090	270,845	-5,00%	33	14,549	268,070
1146+0,000			33	14,236	268,256	109	8,090	270,822	-5,00%	108	-	-	-	107	3,600	271,046	-3,00%	268,107	271,154	3,047	107	3,600	271,046	-3,00%	108	-	-	-	109	8,090	270,822	-5,00%	33	14,330	268,192
1147+0,000			33	14,241	268,275	109	8,090	270,845	-5,00%	108	-	-	-	107	3,600	271,069	-3,00%	268,184	271,177	2,994	107	3,600	271,069	-3,00%	108	-	-	-	109	8,090	270,845	-5,00%	33	14,188	268,310
1147+10,000		PTV	33	14,241	268,275	109	8,090	270,845	-5,00%	108	-	-	-	107	3,600	271,069	-3,00%	268,176	271,206	3,031	107	3,600	271,069	-3,00%	108	-	-	-	109	8,090	270,845	-5,00%	33	41,168	268,310
1148+0,000			33	14,334	268,277	109	8,090	270,909	-5,00%	108	-	-	-	107	3,600	271,133	-3,00%	268,168	271,241	3,074	107	3,600	271,133	-3,00%	108	-	-	-	109	8,090	270,909	-5,00%	33	14,144	268,404
1149+0,000			33	14,263	268,394	109	8,090	270,979	-5,00%	108	-	-	-	107	3,600	271,203	-3,00%	268,129	271,311	3,182	107	3,600	271,203	-3,00%	108	-	-	-	109	8,090	270,979	-5,00%	33	14,306	268,366
1150+0,000			33	14,306	268,436	109	8,090	271,049	-5,00%	108	-	-	-	107	3,600	271,273	-3,00%	268,121	271,381	3,260	107	3,600	271,273	-3,00%	108	-	-	-	109	8,090	271,049	-5,00%	33	14,643	268,211
1151+0,000			33	14,154	268,607	109	8,090	271,119	-5,00%	108	-	-	-	107	3,600	271,343	-3,00%	268,251	271,451	3,200	107	3,600	271,343	-3,00%	108	-	-	-	109	8,090	271,119	-5,00%	33	14,748	268,211
1152+0,000			33	14,041	268,752	109	8,090	271,189	-5,00%	108	-	-	-	107	3,600	271,413	-3,00%	268,472	271,521	3,049	107	3,600	271,413	-3,00%	108	-	-	-	109	8,090	271,189	-5,00%	33	14,971	268,133
1153+0,000			33	13,981	268,863	109	8,090	271,259	-5,00%	108	-	-	-	107	3,600	271,483	-3,00%	268,590	271,591	3,001	107	3,600	271,483	-3,00%	108	-	-	-	109	8,090	271,259	-5,00%	33	15,014	268,174
1154+0,000			33	13,933	268,964	109	8,090	271,329	-5,00%	108	-	-	-	107	3,600	271,553	-3,00%	268,730	271,661	2,931	107	3,600	271,553	-3,00%	108	-	-	-	109	8,090	271,329	-5,00%	33	14,844	268,357
1155+0,000			33	14,019	268,977	109	8,090	271,399	-5,00%	108	-	-	-	107	3,600	271,623	-3,00%	268,749	271,731	2,982	107	3,600	271,623	-3,00%	108	-	-	-	109	8,090	271,399	-5,00%	33	14,889	268,397
1156+0,000			33	14,162	268,951	109	8,090	271,469	-5,00%	108	-	-	-	107	3,600	271,693	-3,00%	268,661	271,801	3,140	107	3,600	271,693	-3,00%	108	-	-	-	109	8,090	271,469	-5,00%	33	14,937	268,435
1157+0,000			33	13,965	269,153	109	8,090	271,538	-5,00%	108	-	-	-	107	3,600	271,763	-3,00%	268,915	271,871	2,956	107	3,600	271,763	-3,00%	108	-	-	-	109	8,090	271,538	-5,00%	33	14,749	268,630
1158+0,000			33	13,535	269,509	109	8,090	271,608	-5,00%	108	-	-	-	107	3,600	271,833	-3,00%	269,325	271,941	2,616	107	3,600	271,833	-3,00%	108	-	-	-	109	8,090	271,608	-5,00%	33	14,370	268,953
1159+0,000			33	13,382	269,681	109	8,090	271,678	-5,00%	108	-	-	-	107	3,600	271,903	-3,00%	269,587	272,011	2,424	107	3,600	271,903	-3,00%	108	-	-	-	109	8,090	271,678	-5,00%	33	14,321	269,055
1160+0,000			33	13,216	269,862	109	8,090	271,748	-5,00%	108	-	-	-	107	3,600	271,973	-3,00%	269,905	272,081	2,175	107	3,600	271,973	-3,00%	108	-	-	-	109	8,090	271,748	-5,00%	33	14,292	269,144
1161+0,000			33	11,877	268,291	109	8,090	271,818	-5,00%	108	-	-	-	107	3,600	272,043	-3,00%	269,378	272,151	2,773	107	3,600	272,043	-3,00%	108	-	-	-	109	8,090	271,818	-5,00%	33	16,279	268,656
1162+0,000			33	16,052	268,878	109	8,090	271,888	-5,00%	108	-	-	-	107	3,600	272,112	-3,00%	268,507	272,220	3,714	107	3,600	272,112	-3,00%	108	-	-	-	109	8,090	271,888	-5,00%	33	17,310	268,039
1163+0,000			33	17,038	268,290	109	8,090	271,958	-5,00%	108	-	-	-	107	3,600	272,182	-3,00%	268,064	272,290	4,226	107	3,600	272,182	-3,00%	108	-	-	-	109	8,090	271,958	-5,00%	33	17,940	267,689
1164+0,000			33	17,718	267,907	109	8,090	272,028	-5,00%	108	-	-	-	107	3,600	272,252	-3,00%	267,753	272,360	4,607	107	3,600	272,252	-3,00%	108	-	-	-	109	8,090	272,028	-5,00%	33	18,406	267,448
1165+0,000			33	18,064	267,746	109	8,090	272,098	-5,00%	108	-	-	-	107	3,600	272,322	-3,00%	267,655	272,430	4,775	107	3,600	272,322	-3,00%	108	-	-	-	109	8,090	272,098	-5,00%	33	18,659	267,350
1165+10,000		PCV	33	18,226	267,673	109	8,090	272,133	-5,00%	108	-	-	-	107	3,600	272,357	-3,00%	267,555	272,465	4,910	107	3,600	272,357	-3,00%	108	-	-	-	109	8,090	272,133	-5,00%	33	18,795	267,294
1166+0,000			33	18,405	267,582	109	8,090	272,162	-5,00%	108	-	-	-	107	3,600	272,386	-3,00%	267,456	272,494	5,039	107	3,600	272,386	-3,00%	108	-	-	-	109	8,090	272,162	-5,00%	33	18,935	267,229
1166+18,991			33	18,663	267,433	109	8,090	272,184	-5,00%	108	-	-	-	107	3,600	272,408	-3,00%	267,298	272,516	5,218	107	3,600	272,408	-3,00%	108	-	-	-	109	8,090	272,184	-5,00%	33	19,186	267,084
1167+0,000			33	18,674	267,425	109	8,090	272,184	-5,00%	108	-	-	-	107	3,600	272,408	-3,00%	267,289	272,516	5,227	107	3,600	272,408	-3,00%	108	-	-	-	109	8,090	272,184	-5,00%	33	19,186	267,084
1168+0,000			33	18,802	267,313	109	8,090	272,157	-5,00%	108	-	-	-	107	3,600	272,381	-3,00%	267,097	272,489	5,392	107	3,600	272,381	-3,00%	108	-	-	-	109	8,090	272,157	-5,00%	33	19,153	267,079
1168+10,000		PTV	33	18,825	267,266	109	8,090	272,126	-5,00%	108	-	-	-	107	3,600	272,350	-3,00%	267,021	272,458	5,437	107	3,600	272,350	-3,00%	108	-	-	-	109	8,090	272,126	-5,00%	33	19,124	267,067
1169+0,000			33	18,839	267,220	109	8,090	272,088	-5,00%	108	-	-	-	107	3,600	272,313	-3,00%	267,012	272,421	5,409	107	3,600	272,313	-3,00%	108	-	-	-	109	8,090	272,088	-5,00%	33	19,060	267,072
1170+0,000			33	18,880	267,118	109	8,090	272,013	-5,00%	108	-	-	-	107	3,600	272,238	-3,00%	266,958	272,346	5,387	107	3,600	272,238	-3,00%	108	-	-	-	109	8,090	272,013	-5,00%	33	18,993	267,042
1171+0,000			33	18,896	267,032	109	8,090	271,939	-5,00%	108	-	-	-	107	3,600	272,163	-3,00%	266,930	272,271	5,341	107	3,600	272,163	-3,00%	108	-	-	-	109	8,090	271,939	-5,00%	33	18,921	267,015
1172+0,000			33	18,890	266,961	109	8,090	271,864	-5,00%	108	-	-	-	107	3,600	272,088	-3,00%	266,777	272,196	5,420	107	3,600	272,088	-3,00%	108	-	-	-	109	8,090	271,864	-5,00%	33	18,977	266,903
1173+0,000			33	18,877	266,895	109	8,090	271,789	-5,00%	108	-	-	-	107	3,600	272,013	-3,00%	266,712	272,121	5,409	107	3,600	272,013	-3,00%	108	-	-	-	109	8,090	271,789	-5,00%	33	19,123	266,731
1174+0,000			33	18,875	266,822	109	8,090	271,714	-5,00%	108	-	-	-	107	3,600	271,939	-3,00%	266,605	272,047	5,442	107	3,600	271,939	-3,00%	108	-	-	-	109	8,090	271,714	-5,00%	33	19,474	266,423
1175+0,000			33	18,934	266,707	109	8,090	271,639	-5,00%	108	-	-	-	107	3,600	271,864	-3,00%	266,425	271,972	5,546	107	3,600	271,864	-3,00%	108	-	-	-	109	8,090	271,639	-5,00%	33	19,641	266,236
1176+0,000			33	19,062	266,548	109	8,090	271,565	-5,00%	108	-	-	-	107	3,600	271,789	-3,00%	266,337	271,897	5,560	107	3,600	271,789	-3,00%	108	-	-	-	109	8,090	271,565	-5,00%	33	19,686	266,131
1177+0,000			33	19,022	266,499	109	8,090	271,490	-5,00%	108	-	-	-	107	3,600	271,714	-3,00%	266,597	271,822	5,225	107	3,600	271,714	-3,00%	108	-	-	-	109	8,090	271,490	-5,00%	33	19,533	266,159
1177+19,332	PC		33	18,749	266,609	109	8,090	271,417	-5,00%	108	-	-	-	107	3,600	271,642	-3,00%	266,431	271,750	5,319	107	3,600	271,642	-3,00%	108	-	-	-	109	8,090	271,417	-5,00%	33	19,350	266,208
1178+0,000			33	18,730	266,619	109	8,090	271,415	-5,00%	108	-	-	-	107	3,600	271,639	-3,00%	266,446	271,747	5,302	107	3,600	271,639	-3,00%	108	-	-	-	109	8,090	271,415	-5,00%	33	19,351	266,205
1179+0,000			33	17,943	267,069	109	8,090	271,340	-5,00%	108	-	-	-	107	3,600	271,565	-3,00%	266,826	271,673	4,846	107	3,600	271,565	-3,00%	108	-	-	-	109	8,090	271,340	-5,00%	33	19,117	266,286
1180+0,000			33	17,749	267,124	109	8,090	271,265	-5,00%	108	-	-	-	107	3,600	271,490	-3,00%	266,699	271,598	4,899	107	3,600	271,490	-3,00%	108	-	-	-	109	8,090	271,265	-5,00%	33	18,579	266,570
1181+0,000			33	17,451	267,247	109	8,090	271,191	-5,00%	108	-	-	-	107	3,600	271,415	-3,00%	267,302	271,523	4,220	107	3,600	271,415	-3,00%	108	-	-	-	109	8,090	271,191	-5,00%	33	17,845	266,985
1182+0,000			33	16,999	267,474	109	8,090	271,116	-5,00%	108	-	-	-	107	3,600	271,340	-3,00%	267,575	271,448	3,873	107	3,600	271,340	-3,00%	108	-	-	-	109	8,090	271,116	-5,00%	33	17,358	267,235
1183+0,000			33	16,709	267,593	109	8,090	271,041	-5,00%	108	-	-	-	107	3,600	271,265	-3,00%	267,751	271,373	3,622	107	3,600	271,265	-3,00%	108	-	-	-	109	8,090	271,041	-5,00%	33	17,041	267,371
1184+0,000			33	16,606	267,587	109	8,090	270,966	-5,00%	108	-	-	-	107	3,600	271,190	-3,00%	267,575	271,298	3,724	107	3,600	271,190	-3,00%	108	-	-	-	109	8,090	270,966	-5,00%	33	17,137	267,233
1184+10,000		PCV	33	16,631	267,532	109	8,090	270,929	-5,00%	108	-	-	-	107	3,600	271,153	-3,00%	267,513	271,261	3,748	107	3,600	271,153	-3,00%	108	-	-	-	109	8,090	270,929	-5,00%	33	17,134	267,197
1185+0,000			33	16,647	267,488	109	8,090	270,895	-5,00%	108	-	-	-	107	3,600	271,119	-3,00%	267,467	271,227	3,761	107	3,600	271,119	-3,00%	108	-	-	-	109	8,090	270,895	-5,00%	33	16,952	267,284
1186+0,000			33	16,699	267,407	109	8,090	270,849	-5,00%	108	-	-	-	107	3,600	271,074	-3,00%	267,377	271,182	3,804	107	3,600	271,074	-3,00%	108	-	-	-	109	8,090	270,849	-5,00%	33	16,606	267,469
1187+0,000			33	16,637	267,432	109	8,090	270,833	-5,00%	108	-	-	-	107	3,600	271,057	-3,00%	267,538	271,165	3,627	107	3,600	271,057	-3,00%	108	-	-	-	109	8,090	270,833	-5,00%	33	16,336	267,633
1187+1,450			33	16,634	267,434	109	8,090	270,833	-5,00%	108	-	-	-	107	3,600	271,057	-3,00%	267,540	271,165	3,625	107	3,600	271,057	-3,00%	108	-	-	-	109	8,090	270,833	-5,00%	33	16,336	267,633
1188+0,000			33	16,647	267,438	109	8,090	270,845	-5,00%	108	-	-	-	107	3,600	271,069	-3,00%	267,623	271,177	3,554	107	3,600	271,069	-3,00%	108	-	-	-	109	8,090	270,845	-5,00%	33	16,403	267,601
1189+0,000			33	16,736	267,420	109	8,090	270,887	-5,00%	108	-	-	-	107	3,600	271,111	-3,00%	267,628	271,219	3,591	107	3,600	271,111	-3,00%	108	-	-	-	109	8,090	270,887	-5,00%	33	16,320	267,698
1189+10,000		PTV	33	16,792	267,414	109	8,090	270,918	-5,00%	108	-	-	-	107	3,600	271,143	-3,00%	267,634	271,251	3,616	107	3,600	271,143	-3,00%	108	-	-	-	109	8,090	270,918	-5,00%	33	16,294	267,747
1190+0,000			33	16,796	267,447	109	8,090	270,954	-5,00%	108	-	-	-	107	3,600	271,178	-3,00%	267,649	271,286	3,637	107	3,600	271,178	-3,00%	108	-	-	-	109	8,090	270,954	-5,00%	33	16,316	267,767
1191+0,000			33	16,784	267,526	109	8,090	271,024	-5,00%	108	-	-	-	107	3,600	271,248	-3,00%	267,604	271,356	3,753	107	3,600	271,248	-3,00%	108	-	-	-	109	8,090	271,024	-5,00%	33	16,462	267,741
1192+0,000			33	16,703	267,650	109	8,090	271,095	-5,00%	108	-	-	-	107	3,600	271,319	-3,00%	267,620	271,427	3,807	107	3,600	271,319	-3,00%	108	-	-	-	109	8,090	271,095	-5,00%	33	16,573	267,737
1193+0,000			33	16,602	267,788	109	8,090	271,165	-5,00%	108	-	-	-	107	3,600	271,390	-3,00%	267,664	271,498	3,834	107	3,600	271,390	-3,00%	108	-	-	-	109	8,090	271,165	-5,00%	33	16,568	267,811
1194+0,000			33	16,653	267,825	109	8,090	271,236	-5,00%	108	-	-	-	107	3,600	271,460	-3,00%	267,722	271,568	3,847	107	3,600	271,460	-3,00%	108	-	-	-	109	8,090	271,236	-5,00%	33	16,543	267,898
1195+0,000		PCV	33	16,693	267,869	109	8,090	271,306	-5,00%	108	-	-	-	107	3,600	271,531	-3,00%	267,769	271,639	3,870	107	3,600	271,531	-3,00%	108	-	-	-	109	8,090	271,306	-5,00%	33	16,615	267,921

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM																COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM																
			Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista				Terreno Natural	Terraplenagem	Cota vermelha	Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
1196+0,000			33	16,679	267,936	109	8,090	271,365	-5,000%	108	-	-	-	107	3,600	271,589	-3,000%	267,838	271,697	3,860	107	3,600	271,589	-3,000%	108	-	-	-	109	8,090	271,365	-5,000%	33	16,669	267,943
1196+3,022			33	16,671	267,949	109	8,090	271,372	-5,000%	108	-	-	-	107	3,600	271,596	-3,000%	267,848	271,704	3,856	107	3,600	271,596	-3,000%	108	-	-	-	109	8,090	271,372	-5,000%	33	16,701	267,929
1197+0,000			33	16,626	268,006	109	8,090	271,399	-5,000%	108	-	-	-	107	3,600	271,624	-3,000%	267,900	271,732	3,832	107	3,600	271,624	-3,000%	108	-	-	-	109	8,090	271,399	-5,000%	33	16,821	267,876
1197+18,485			33	16,637	268,009	109	8,090	271,410	-5,000%	108	-	-	-	107	3,600	271,634	-3,000%	267,926	271,742	3,816	107	3,600	271,634	-3,000%	108	-	-	-	109	8,090	271,410	-5,000%	33	16,752	267,933
1198+0,000			33	16,630	268,014	109	8,090	271,410	-5,000%	108	-	-	-	107	3,600	271,634	-3,000%	267,927	271,742	3,815	107	3,600	271,634	-3,000%	108	-	-	-	109	8,090	271,410	-5,000%	33	16,749	267,934
1199+0,000			33	16,524	268,071	109	8,090	271,396	-5,000%	108	-	-	-	107	3,600	271,620	-3,000%	267,942	271,728	3,786	107	3,600	271,620	-3,000%	108	-	-	-	109	8,090	271,396	-5,000%	33	16,617	268,009
1200+0,000			33	16,343	268,153	109	8,090	271,358	-5,000%	108	-	-	-	107	3,600	271,582	-3,000%	268,023	271,690	3,667	107	3,600	271,582	-3,000%	108	-	-	-	109	8,090	271,358	-5,000%	33	16,520	268,035
1201+0,000		PTV	33	16,112	268,245	109	8,090	271,295	-5,000%	108	-	-	-	107	3,600	271,520	-3,000%	268,118	271,628	3,510	107	3,600	271,520	-3,000%	108	-	-	-	109	8,090	271,295	-5,000%	33	16,719	267,840
1202+0,000			33	16,048	268,213	109	8,090	271,221	-5,000%	108	-	-	-	107	3,600	271,446	-3,000%	267,973	271,554	3,580	107	3,600	271,446	-3,000%	108	-	-	-	109	8,090	271,221	-5,000%	33	16,726	267,761
1203+0,000			33	16,177	268,053	109	8,090	271,147	-5,000%	108	-	-	-	107	3,600	271,371	-3,000%	267,836	271,479	3,643	107	3,600	271,371	-3,000%	108	-	-	-	109	8,090	271,147	-5,000%	33	16,845	267,608
1204+0,000		PCV	33	16,257	267,925	109	8,090	271,073	-5,000%	108	-	-	-	107	3,600	271,297	-3,000%	267,732	271,405	3,673	107	3,600	271,297	-3,000%	108	-	-	-	109	8,090	271,073	-5,000%	33	16,847	267,532
1205+0,000			33	16,076	267,984	109	8,090	271,011	-5,000%	108	-	-	-	107	3,600	271,235	-3,000%	267,783	271,343	3,560	107	3,600	271,235	-3,000%	108	-	-	-	109	8,090	271,011	-5,000%	33	16,699	267,569
1206+0,000			33	12,354	268,128	109	8,090	270,973	-5,000%	108	-	-	-	107	3,600	271,198	-3,000%	267,819	271,306	3,487	107	3,600	271,198	-3,000%	108	-	-	-	109	8,090	270,973	-5,000%	33	13,137	267,607
1207+0,000			33	11,877	268,433	109	8,090	270,960	-5,000%	108	-	-	-	107	3,600	271,185	-3,000%	268,123	271,293	3,170	107	3,600	271,185	-3,000%	108	-	-	-	109	8,090	270,960	-5,000%	33	12,923	267,736
1207+0,568			33	11,864	268,442	109	8,090	270,960	-5,000%	108	-	-	-	107	3,600	271,185	-3,000%	268,133	271,293	3,160	107	3,600	271,185	-3,000%	108	-	-	-	109	8,090	270,960	-5,000%	33	12,907	267,747
1208+0,000			33	11,229	268,877	109	8,090	270,972	-5,000%	108	-	-	-	107	3,600	271,196	-3,000%	268,485	271,304	2,819	107	3,600	271,196	-3,000%	108	-	-	-	109	8,090	270,972	-5,000%	33	12,566	267,985
1209+0,000			33	11,077	269,014	109	8,090	271,008	-5,000%	108	-	-	-	107	3,600	271,232	-3,000%	268,490	271,340	2,851	107	3,600	271,232	-3,000%	108	-	-	-	109	8,090	271,008	-5,000%	33	12,923	267,784
1209+8,856			33	11,146	268,992	109	8,090	271,032	-5,000%	108	-	-	-	107	3,600	271,256	-3,000%	268,494	271,364	2,870	107	3,600	271,256	-3,000%	108	-	-	-	109	8,090	271,032	-5,000%	33	12,634	268,000
1210+0,000		PTV	33	11,240	268,966	109	8,090	271,069	-5,000%	108	-	-	-	107	3,600	271,293	-3,000%	268,497	271,401	2,904	107	3,600	271,293	-3,000%	108	-	-	-	109	8,090	271,069	-5,000%	33	12,349	268,227
1211+0,000			33	12,050	268,499	109	8,090	271,141	-5,000%	108	-	-	-	107	3,600	271,366	-3,000%	268,288	271,474	3,186	107	3,600	271,366	-3,000%	108	-	-	-	109	8,090	271,141	-5,000%	33	11,932	268,578
1212+0,000			33	12,411	268,331	109	8,090	271,214	-5,000%	108	-	-	-	107	3,600	271,439	-3,000%	268,346	271,547	3,201	107	3,600	271,439	-3,000%	108	-	-	-	109	8,090	271,214	-5,000%	33	12,031	268,584
1213+0,000			33	12,559	268,306	109	8,090	271,287	-5,000%	108	-	-	-	107	3,600	271,511	-3,000%	268,437	271,619	3,182	107	3,600	271,511	-3,000%	108	-	-	-	109	8,090	271,287	-5,000%	33	12,169	268,566
1214+0,000			33	12,692	268,290	109	8,090	271,360	-5,000%	108	-	-	-	107	3,600	271,584	-3,000%	268,568	271,692	3,124	107	3,600	271,584	-3,000%	108	-	-	-	109	8,090	271,360	-5,000%	33	12,307	268,546
1215+0,000			33	12,140	268,730	109	8,090	271,433	-5,000%	108	-	-	-	107	3,600	271,657	-3,000%	268,648	271,765	3,117	107	3,600	271,657	-3,000%	108	-	-	-	109	8,090	271,433	-5,000%	33	12,337	268,599
1216+0,000			33	12,230	268,743	109	8,090	271,506	-5,000%	108	-	-	-	107	3,600	271,730	-3,000%	268,804	271,838	3,034	107	3,600	271,730	-3,000%	108	-	-	-	109	8,090	271,506	-5,000%	33	11,752	269,062
1217+0,000			33	11,764	269,127	109	8,090	271,579	-5,000%	108	-	-	-	107	3,600	271,803	-3,000%	269,196	271,911	2,714	107	3,600	271,803	-3,000%	108	-	-	-	109	8,090	271,579	-5,000%	33	11,440	269,343
1218+0,000			33	11,662	269,268	109	8,090	271,651	-5,000%	108	-	-	-	107	3,600	271,876	-3,000%	269,395	271,984	2,589	107	3,600	271,876	-3,000%	108	-	-	-	109	8,090	271,651	-5,000%	33	11,038	269,683
1219+0,000			33	11,643	269,353	109	8,090	271,724	-5,000%	108	-	-	-	107	3,600	271,949	-3,000%	269,675	272,057	2,381	107	3,600	271,949	-3,000%	108	-	-	-	109	8,090	271,724	-5,000%	33	10,714	269,972
1220+0,000			33	11,238	269,696	109	8,090	271,797	-5,000%	108	-	-	-	107	3,600	272,021	-3,000%	269,666	272,129	2,463	107	3,600	272,021	-3,000%	108	-	-	-	109	8,090	271,797	-5,000%	33	10,832	269,967
1221+0,000			33	11,026	269,910	109	8,090	271,870	-5,000%	108	-	-	-	107	3,600	272,094	-3,000%	269,873	272,202	2,329	107	3,600	272,094	-3,000%	108	-	-	-	109	8,090	271,870	-5,000%	33	10,866	270,017
1222+0,000			33	10,828	270,115	109	8,090	271,943	-5,000%	108	-	-	-	107	3,600	272,167	-3,000%	270,072	272,275	2,203	107	3,600	272,167	-3,000%	108	-	-	-	109	8,090	271,943	-5,000%	33	10,875	270,084
1223+0,000			33	10,613	270,331	109	8,090	272,016	-5,000%	108	-	-	-	107	3,600	272,240	-3,000%	270,352	272,348	1,996	107	3,600	272,240	-3,000%	108	-	-	-	109	8,090	272,016	-5,000%	33	10,582	270,352
1224+0,000			33	10,103	270,744	109	8,090	272,088	-5,000%	108	-	-	-	107	3,600	272,313	-3,000%	270,698	272,421	1,723	107	3,600	272,313	-3,000%	108	-	-	-	109	8,090	272,088	-5,000%	33	10,297	270,615
1225+0,000			33	9,654	271,116	109	8,090	272,161	-5,000%	108	-	-	-	107	3,600	272,386	-3,000%	271,258	272,494	1,236	107	3,600	272,386	-3,000%	108	-	-	-	109	8,090	272,161	-5,000%	33	9,788	271,027
1226+0,000			33	9,297	271,427	109	8,090	272,234	-5,000%	108	-	-	-	107	3,600	272,459	-3,000%	271,331	272,567	1,236	107	3,600	272,459	-3,000%	108	-	-	-	109	8,090	272,234	-5,000%	33	9,541	271,265
1226+10,000		PCV	33	9,202	271,527	109	8,090	272,271	-5,000%	108	-	-	-	107	3,600	272,495	-3,000%	271,479	272,603	1,124	107	3,600	272,495	-3,000%	108	-	-	-	109	8,090	272,271	-5,000%	33	9,358	271,423
1227+0,000			33	9,077	271,655	109	8,090	272,315	-5,000%	108	-	-	-	107	3,600	272,539	-3,000%	271,610	272,647	1,037	107	3,600	272,539	-3,000%	108	-	-	-	109	8,090	272,315	-5,000%	33	9,239	271,546
1228+0,000			33	8,748	272,009	109	8,090	272,451	-5,000%	108	-	-	-	107	3,600	272,675	-3,000%	271,906	272,783	0,877	107	3,600	272,675	-3,000%	108	-	-	-	109	8,090	272,451	-5,000%	33	9,271	271,661
1229+0,000			33	8,373	272,458	109	8,090	272,649	-5,000%	108	-	-	-	107	3,600	272,874	-3,000%	272,319	272,982	0,662	107	3,600	272,874	-3,000%	108	-	-	-	109	8,090	272,649	-5,000%	33	8,958	272,069
1230+0,000			33	8,144	272,873	109	8,090	272,911	-5,000%	108	-	-	-	107	3,600	273,135	-3,000%	272,766	273,243	0,477	107	3,600	273,135	-3,000%	108	-	-	-	109	8,090	272,911	-5,000%	33	8,599	272,569
1231+0,000			33	8,055	273,256	109	8,040	273,238	-5,000%	108	-	-	-	107	3,600	273,460	-3,000%	273,172	273,568	0,396	107	3,600	273,460	-3,000%	108	-	-	-	109	8,090	273,236	-5,000%	33	8,402	273,025
1231+10,000		PTV	33	8,139	273,386	109	8,090	273,422	-5,000%	108	-	-	-	107	3,600	273,646	-3,000%	273,306	273,754	0,448	107	3,600	273,646	-3,000%	108	-	-	-	109	8,090	273,422	-5,000%	33	8,477	273,161
1232+0,000			33	8,332	273,452	109	8,090	273,615	-5,000%	108	-	-	-	107	3,600	273,840	-3,000%	273,390	273,948	0,557	107	3,600	273,840	-3,000%	108	-	-	-	109	8,090	273,615	-5,000%	33	8,646	273,243
1233+0,000			33	8,815	273,517	109	8,090	274,003	-5,000%	108	-	-	-	107	3,600	274,227	-3,000%	273,452	274,335	0,883	107	3,600	274,227	-3,000%	108	-	-	-	109	8,090	274,003	-5,000%	33	9,029	273,374
1234+0,000			33	9,395	273,518	109	8,090	274,390	-5,000%	108	-	-	-	107	3,600	274,615	-3,000%	273,508	274,723	1,215	107	3,600	274,615	-3,000%	108	-	-	-	109	8,090	274,390	-5,000%	33	9,327	273,563
1235+0,000			33	9,900	273,569	109	8,090	274,778	-5,000%	108	-	-	-	107	3,600	275,002	-3,000%	273,581	275,110	1,529	107	3,600	275,002	-3,000%	108	-	-	-	109	8,090	274,778	-5,000%	33	9,860	273,596
1236+0,000			33	10,431	273,602	109	8,090	275,165	-5,000%	108	-	-	-	107	3,600	275,390	-3,000%	273,667	275,498	1,831	107	3,600	275,390	-3,000%	108	-	-	-	109	8,090	275,165	-5,000%	33	10,310	273,683
1237+0,000			33	10,979	273,625	109	8,090	275,553	-5,000%	108	-	-	-	107	3,600	275,777	-3,000%	273,685	275,885	2,200	107	3,600	275,777	-3,000%	108	-	-	-	109	8,090	275,553	-5,000%	33	10,857	273,706
1238+0,000			33	11,325	273,782	109	8,090	275,940	-5,000%	108	-	-	-	107	3,600	276,165	-3,000%	273,715	276,273	2,557	107	3,600	276,165	-3,000%	108	-	-	-	109	8,090	275,940	-5,000%	33	11,380	273,745
1239+0,000			33	11,450	274,086	109	8,090	276,328	-5,000%	108	-	-	-	107	3,600	276,552	-3,000%	273,891	276,660	2,769	107	3,600	276,552	-3,000%	108	-	-	-	109	8,090	276,328	-5,000%	33	11,687	273,927
1240+0,000			33	11,554	274,404	109	8,090	276,715	-5,000%	108	-	-	-	107	3,600	276,940	-3,000%	274,260	277,048	2,788	107	3,600	276,940	-3,000%	108	-	-	-	109	8,090	276,715	-5,000%	33	11,999	274,107
1240+18,380	PT		33	11,750	274,629	109	8,090	277,072	-5,000%	108	-	-	-	107	3,600	277,296	-3,000%	274,508	277,404	2,896	107	3,600	277,296	-3,000%	108	-	-	-	109	8,090	277,072	-5,000%	33	12,060	274,423
1241+0,000			33	11,760	274,654	109	8,090	277,103	-5,000%	108	-	-	-	107	3,600	277,327	-3,000%	274,535	277,435	2,900	107	3,600	277,327	-3,000%	108	-	-	-	109	8,090	277,103	-5,000%	33	12,060	274,454
1242+0,000			33	11,795	275,018	109	8,090	277,491	-5,000%	108	-	-	-	107	3,600	277,715	-3,000%	274,946	277,823	2,876	107	3,600	277,715	-3,000%	108	-	-	-	109	8,090	277,491	-5,000%	33	12,047	274,850
1243+0,000			33	11,654	275,500	109	8,090	277,878	-5,000%	108	-	-	-	107	3,600	278,102	-3,000%	275,420	278,210	2,790	107	3,600	278,102	-3,000%	108	-	-	-	109	8,090	277,878	-5,000%	33	12,132	275,181
1244+0,000			33	11,728	275,838	109	8,090	278,266	-5,000%	108	-	-	-	107	3,600	278,490	-3,000%	275,637	278,598	2,961	107	3,600	278,490	-3,000%	108	-	-	-	109	8,090	278,266	-5,000%	33	12,352	275,422
1244+10,000		PCV	33	11,766	276,006	109	8,090	278,459	-5,000%	108	-	-	-	107	3,600	278,684	-3,000%	275,787	278,792	3,004	107	3,600	278,684	-3,000%	108	-	-	-	109	8,090	278,459	-5,000%	33	12,405	275,580
1245+0,000			33	11,831	276,149	109	8,090	278,645	-5,000%	108	-	-	-	107	3,600	278,870	-3,000%	275,765	278,978	3,212	107	3,600	278,870	-3,000%	108	-	-	-	109	8,090	278,645	-5,000%	33	12,513	275,694
1246+0,000			33	11,901	276,428	109	8,090	278,971	-5,000%	108	-	-	-	107	3,600	279,195	-3,000%	276,149	279,303	3,154	107	3,600	279,195	-3,000%	108	-	-	-	109	8,090	278,971	-5,000%	33	12,726	275,878
1247+0,000			33	11,830	276,738	109	8,090	279,234	-5,000%	108	-	-	-	107	3,600	279,458	-3,000%	276,480	279,566	3,086	107	3,600	279,458	-3,000%	108	-	-	-	109	8,090	279,234	-5,000%	33	12,744	276,129
1248+0,000			33	11,496	277,162	109	8,090	279,434	-5,000%	108	-	-	-	107	3,600	279,659	-3,000%	276,852	279,767	2,915	107	3,600	279,659	-3,000%	108	-	-	-	109	8,090	279,434	-5,000%	33	12,437	276,534
1249+0,000			33	11,083	277,575	109	8,090	279,573	-5,000%	108	-	-	-	107	3,600	279,797	-3,000%	277,262	279,905	2,643	107	3,600	279,797	-3,000%	108	-	-	-	109	8,090	279,573	-5,000%	33	12,036	276,940
1249+10,000		PTV	33	10,854	277,774	109	8,090	279,619	-5,000%	108	-	-	-	107	3,600	279,843	-3,000%	277,475	279,951	2,476	107	3,600	279,843	-3,000%	108	-	-	-	109	8,090	279,619	-5,000%	33	11,769	277,164
1250+0,000			33	10,593	277,986	109	8,090	279,657	-5,000%	108	-	-	-	107	3,600	279,881	-3,000%	277,711	279,989	2,278	107	3,600	279,881	-3,000%	108	-	-	-	109	8,090	279,657	-5,000%	33	11,523	277,366
1251+0,000			33	10,298	278,259	109	8,090	279,733	-5,000%	108	-	-	-	107	3,600	279,958	-3,000%	278,123	280,066	1,943	107	3,600	279,958	-3,000%	108	-	-	-	109	8,090	279,733	-5,000%	33	11,156	277,687
1252+0,000			33	10,226	278,383	109	8,090	279,810	-5,000%	108	-	-	-	107	3,600	280,034	-3,000%	278,286	280,142	1,856	107	3,600	280,034	-3,000%	108	-	-	-	109	8,090	279,810	-5,000%	33	10,887	277,942
1253+0,000			33	9,753	278,775	109	8,090	279,886	-5,000%	108	-	-	-	107	3,600	280,110	-3,000%	278,578	280,218	1,641	107	3,600	280,110	-3,000%	108	-	-	-	109	8,090	279,886	-5,000%	33	10,724	278,128
1253+1,501			33	9,701	278,815	109	8,090	279,892	-5,000%	108	-	-	-	107	3,600	280,116	-3,000%	278,627	280,224	1,597	107	3,600	280,116	-3,000%	108	-	-	-	109	8,090	279,892	-5,000%	33	10,576	278,232
1254+0,000			33	9,205	279,216	109	8,090	279,962	-5,000%	108	-	-	-	107	3,600	280,186	-3,000%	278,858	280,294	1,436	107	3,600	280,186	-3,000%	108	-	-	-	109	8,090	279,962	-5,000%	33	9,864	278,777
1254+12,966			33	8,887	279,478	109	8,090	280,012	-5,000%	108	-	-	-	107	3,600	280,236	-3,000%	279,106	280,344	1,238	107	3,600	280,236	-3,000%	108	-	-	-	109	8,090	280,012	-5,000%	33	9,846	278,838
1254+13,759			33	8,877	279,489	109	8,090	280,016	-5,000%	108	-	-	-	107	3,600	280,241	-2,95%	279,121	280,347	1,225	107	3,600	280,239	-3,000%	108	-	-	-	109	8,090	280,015	-5,000%	33	9,845	278,842

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — BR-158/262-MS

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM																COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM															
			Talude			Fim da plataforma				Início do alargamento de corte				Bordo da pista							Bordo da pista				Início do alargamento de corte				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
1255+0,000			33	- 8,876	279,528	109	- 8,090	280,054	-5,00%	108	-	-	-	107	- 3,600	280,278	-2,57%	279,117	280,371	1,254	107	3,600	280,263	-3,00%	108	-	-	-	109	8,090	280,038	-5,00%	33	9,782	278,908
1256+0,000			33	- 8,817	279,687	109	- 8,090	280,174	-5,00%	108	-	-	-	107	- 3,600	280,398	-1,35%	279,256	280,447	1,191	107	3,600	280,339	-3,00%	108	-	-	-	109	8,090	280,115	-5,00%	33	9,559	279,133
1257+0,000			33	- 8,660	279,912	109	- 8,090	280,294	-5,00%	108	-	-	-	107	- 3,600	280,519	-0,13%	279,718	280,523	0,805	107	3,600	280,415	-3,00%	108	-	-	-	109	8,090	280,191	-5,00%	33	9,220	279,435
1257+2,147	TE		33	- 8,654	279,929	109	- 8,090	280,307	-5,00%	108	-	-	-	107	- 3,600	280,532	0,00%	279,730	280,532	0,801	107	3,600	280,424	-3,00%	108	-	-	-	109	8,090	280,199	-5,00%	33	9,212	279,449
1258+0,000			33	- 8,592	280,077	109	- 8,090	280,415	-5,00%	108	-	-	-	107	- 3,600	280,639	1,09%	279,833	280,600	0,767	107	3,600	280,492	-3,00%	108	-	-	-	109	8,090	280,267	-5,00%	33	9,159	279,552
1258+14,405			33	- 8,430	280,272	109	- 8,090	280,501	-5,00%	108	-	-	-	107	- 3,600	280,725	1,97%	279,918	280,655	0,737	107	3,600	280,547	-3,00%	108	-	-	-	109	8,090	280,322	-5,00%	33	9,185	279,590
1259+0,000			33	- 8,434	280,303	109	- 8,090	280,535	-5,00%	108	-	-	-	107	- 3,600	280,759	2,31%	279,957	280,676	0,719	107	3,600	280,568	-3,00%	108	-	-	-	109	8,090	280,344	-5,00%	33	9,216	279,590
1259+10,534			33	- 8,540	280,296	109	- 8,090	280,598	-5,00%	108	-	-	-	107	- 3,600	280,822	2,95%	280,027	280,716	0,689	107	3,600	280,608	-3,00%	108	-	-	-	109	8,090	280,384	-5,00%	33	9,274	279,592
1259+11,327			33	- 8,548	280,295	109	- 8,090	280,603	-5,00%	108	-	-	-	107	- 3,600	280,827	3,00%	280,032	280,719	0,687	107	3,600	280,611	-3,00%	108	-	-	-	109	8,090	280,387	-5,00%	33	9,278	279,593
1260+0,000			33	- 8,642	280,302	109	- 8,060	280,686	-4,32%	108	-	-	-	107	- 3,600	280,879	3,53%	280,066	280,752	0,687	107	3,600	280,625	-3,53%	108	-	-	-	109	8,090	280,392	-5,19%	33	9,138	279,695
1261+0,000			33	- 8,649	280,456	109	- 8,020	280,878	-2,74%	108	-	-	-	107	- 3,600	280,999	4,75%	280,128	280,828	0,701	107	3,600	280,658	-4,75%	108	-	-	-	109	8,110	280,404	-5,62%	33	8,874	279,893
1262+0,000			33	- 8,758	280,543	109	- 7,970	281,069	-1,17%	108	-	-	-	107	- 3,600	281,120	5,97%	280,242	280,905	0,662	107	3,600	280,690	-5,97%	108	-	-	-	109	8,120	280,416	-6,05%	33	8,850	279,930
1262+2,147	EC		33	- 8,800	280,533	109	- 7,970	281,089	-1,00%	108	-	-	-	107	- 3,600	281,133	6,10%	280,251	280,913	0,662	107	3,600	280,693	-6,10%	108	-	-	-	109	8,120	280,417	-6,10%	33	8,833	279,944
1263+0,000			33	- 8,918	280,522	109	- 7,970	281,157	-1,00%	108	-	-	-	107	- 3,600	281,201	6,10%	280,314	280,981	0,667	107	3,600	280,761	-6,10%	108	-	-	-	109	8,120	280,486	-6,10%	33	8,802	280,033
1264+0,000			33	- 8,901	280,610	109	- 7,970	281,233	-1,00%	108	-	-	-	107	- 3,600	281,277	6,10%	280,347	281,057	0,710	107	3,600	280,838	-6,10%	108	-	-	-	109	8,120	280,562	-6,10%	33	8,867	280,066
1265+0,000			33	- 8,931	280,666	109	- 7,970	281,310	-1,00%	108	-	-	-	107	- 3,600	281,353	6,10%	280,322	281,134	0,812	107	3,600	280,914	-6,10%	108	-	-	-	109	8,120	280,638	-6,10%	33	9,033	280,031
1266+0,000			33	- 9,010	280,689	109	- 7,970	281,386	-1,00%	108	-	-	-	107	- 3,600	281,430	6,10%	280,354	281,210	0,856	107	3,600	280,990	-6,10%	108	-	-	-	109	8,120	280,714	-6,10%	33	8,958	280,157
1267+0,000			33	- 9,147	280,675	109	- 7,970	281,462	-1,00%	108	-	-	-	107	- 3,600	281,506	6,10%	280,391	281,286	0,895	107	3,600	281,067	-6,10%	108	-	-	-	109	8,120	280,791	-6,10%	33	8,997	280,208
1267+9,274			33	- 9,297	280,610	109	- 7,970	281,498	-1,00%	108	-	-	-	107	- 3,600	281,541	6,10%	280,345	281,322	0,977	107	3,600	281,102	-6,10%	108	-	-	-	109	8,120	280,826	-6,12%	33	9,175	280,124
1268+0,000			33	- 9,520	280,502	109	- 7,970	281,538	-1,00%	108	-	-	-	107	- 3,600	281,582	6,10%	280,249	281,363	1,113	107	3,600	281,143	-6,10%	108	-	-	-	109	8,120	280,867	-6,10%	33	9,416	280,005
1269+0,000			33	- 9,968	280,280	109	- 7,970	281,615	-1,00%	108	-	-	-	107	- 3,600	281,658	6,10%	280,070	281,439	1,369	107	3,600	281,219	-6,10%	108	-	-	-	109	8,120	280,943	-6,10%	33	9,870	279,778
1269+1,469		PCV	33	- 9,988	280,272	109	- 7,970	281,620	-1,00%	108	-	-	-	107	- 3,600	281,664	6,10%	280,070	281,444	1,374	107	3,600	281,225	-6,10%	108	-	-	-	109	8,120	280,949	-6,10%	33	9,900	279,764
1270+0,000			33	- 10,427	280,109	109	- 7,970	281,750	-1,00%	108	-	-	-	107	- 3,600	281,794	6,10%	279,950	281,574	1,624	107	3,600	281,354	-6,10%	108	-	-	-	109	8,120	281,079	-6,10%	33	10,448	279,528
1270+14,983			33	- 11,019	279,905	109	- 7,970	281,941	-1,00%	108	-	-	-	107	- 3,600	281,985	6,10%	279,648	281,765	2,117	107	3,600	281,545	-6,10%	108	-	-	-	109	8,120	281,269	-6,10%	33	10,910	279,411
1271+0,000			33	- 11,245	279,836	109	- 7,970	282,022	-1,00%	108	-	-	-	107	- 3,600	282,066	6,10%	279,586	281,846	2,260	107	3,600	281,627	-6,10%	108	-	-	-	109	8,120	281,351	-6,10%	33	11,088	279,374
1272+0,000			33	- 12,123	279,660	109	- 7,970	282,432	-1,00%	108	-	-	-	107	- 3,600	282,475	6,10%	279,363	282,256	2,893	107	3,600	282,036	-6,10%	108	-	-	-	109	8,120	281,760	-6,10%	33	11,923	279,227
1272+1,469			33	- 12,186	279,653	109	- 7,970	282,467	-1,00%	108	-	-	-	107	- 3,600	282,511	6,10%	279,351	282,291	2,940	107	3,600	282,071	-6,10%	108	-	-	-	109	8,120	281,796	-6,10%	33	12,009	279,205
1272+16,401	CE		33	- 12,907	279,575	109	- 7,970	282,870	-1,00%	108	-	-	-	107	- 3,600	282,913	6,10%	279,240	282,694	3,454	107	3,600	282,474	-6,10%	108	-	-	-	109	8,120	282,198	-6,10%	33	12,864	279,037
1273+0,000			33	- 13,081	279,553	109	- 7,970	282,958	-1,28%	108	-	-	-	107	- 3,600	283,014	5,88%	279,226	282,802	3,577	107	3,600	282,591	-5,88%	108	-	-	-	109	8,120	282,318	-6,02%	33	13,058	279,026
1274+0,000			33	- 14,165	279,431	109	- 8,020	283,528	-2,86%	108	-	-	-	107	- 3,600	283,654	4,66%	279,146	283,486	4,340	107	3,600	283,318	-4,66%	108	-	-	-	109	8,110	283,067	-5,59%	33	14,193	279,008
1275+0,000			33	- 15,450	279,312	109	- 8,070	284,233	-4,43%	108	-	-	-	107	- 3,600	284,431	3,44%	279,087	284,308	5,221	107	3,600	284,184	-3,44%	108	-	-	-	109	8,090	283,952	-5,16%	33	15,557	278,975
1275+1,469		PTV	33	- 15,559	279,299	109	- 8,070	284,291	-4,55%	108	-	-	-	107	- 3,600	284,494	3,35%	279,086	284,373	5,288	107	3,600	284,253	-3,35%	108	-	-	-	109	8,090	284,023	-5,12%	33	15,661	278,975
1275+7,221			33	- 15,988	279,248	109	- 8,090	284,516	-5,00%	108	-	-	-	107	- 3,600	284,740	3,00%	279,081	284,632	5,551	107	3,600	284,524	-3,00%	108	-	-	-	109	8,090	284,300	-5,00%	33	16,082	278,969
1276+0,000			33	- 16,856	279,217	109	- 8,090	285,063	-5,00%	108	-	-	-	107	- 3,600	285,287	2,22%	279,071	285,207	6,136	107	3,600	285,099	-3,00%	108	-	-	-	109	8,090	284,875	-5,00%	33	17,037	278,908
1276+1,913		PCV	33	- 16,974	279,220	109	- 8,090	285,145	-5,00%	108	-	-	-	107	- 3,600	285,369	2,10%	279,070	285,293	6,223	107	3,600	285,185	-3,00%	108	-	-	-	109	8,090	284,961	-5,00%	33	17,167	278,907
1276+4,143			33	- 17,111	279,223	109	- 8,090	285,239	-5,00%	108	-	-	-	107	- 3,600	285,464	1,97%	279,069	285,393	6,324	107	3,600	285,285	-3,00%	108	-	-	-	109	8,090	285,060	-5,00%	33	17,317	278,907
1277+0,000			33	- 18,044	279,225	109	- 8,090	285,863	-5,00%	108	-	-	-	107	- 3,600	286,088	1,00%	279,057	286,052	6,994	107	3,600	285,944	-3,00%	108	-	-	-	109	8,090	285,719	-5,00%	33	18,315	278,900
1277+16,401	ET		33	- 18,907	279,206	109	- 8,090	286,419	-5,00%	108	-	-	-	107	- 3,600	286,644	0,00%	279,036	286,644	7,608	107	3,600	286,536	-3,00%	108	-	-	-	109	8,090	286,311	-5,00%	33	19,315	278,826
1278+0,000			33	- 19,078	279,201	109	- 8,090	286,529	-5,00%	108	-	-	-	107	- 3,600	286,753	-0,22%	279,016	286,761	7,746	107	3,600	286,653	-3,00%	108	-	-	-	109	8,090	286,429	-5,00%	33	19,520	278,806
1279+0,000			33	- 24,304	279,314	109	- 8,090	287,059	-5,00%	108	-	-	-	107	- 3,600	287,284	-1,44%	278,905	287,335	8,430	107	3,600	287,227	-3,00%	108	-	-	-	109	8,090	287,003	-5,00%	33	25,259	278,622
1280+0,000			33	- 7,600	278,967	109	- 7,600	287,478	-5,00%	108	-	-	-	107	- 3,600	287,678	-2,66%	278,810	287,774	8,964	107	3,600	287,666	-3,00%	108	-	-	-	109	7,600	287,466	-5,00%	33	7,600	278,621
1280+5,582			33	- 7,600	278,969	109	- 7,600	287,564	-5,00%	108	-	-	-	107	- 3,600	287,764	-3,00%	278,794	287,872	9,078	107	3,600	287,764	-3,00%	108	-	-	-	109	7,600	287,564	-5,00%	33	7,600	278,667
1281+0,000			33	- 7,600	279,022	109	- 7,600	287,769	-5,00%	108	-	-	-	107	- 3,600	287,969	-3,00%	278,743	288,077	9,333	107	3,600	287,969	-3,00%	108	-	-	-	109	7,600	287,769	-5,00%	33	7,600	278,772
1281+17,047			33	- 7,600	279,143	109	- 7,600	287,920	-5,00%	108	-	-	-	107	- 3,600	288,120	-3,00%	278,815	288,228	9,413	107	3,600	288,120	-3,00%	108	-	-	-	109	7,600	287,920	-5,00%	33	7,600	278,714
1282+0,000			33	- 7,600	279,210	109	- 7,600	287,936	-5,00%	108	-	-	-	107	- 3,600	288,136	-3,00%	278,975	288,244	9,269	107	3,600	288,136	-3,00%	108	-	-	-	109	7,600	287,936	-5,00%	33	7,600	278,704
1282+6,913			33	- 7,600	279,368	109	- 7,600	287,962	-5,00%	108	-	-	-	107	- 3,600	288,162	-3,00%	279,115	288,270	9,155	107	3,600	288,162	-3,00%	108	-	-	-	109	7,600	287,962	-5,00%	33	7,600	278,681
1282+11,997			33	- 7,600	279,255	109	- 7,600	287,971	-5,00%	108	-	-	-	107	- 3,604	288,171	-3,00%	279,071	288,279	9,208	107	3,600	288,171	-3,00%	108	-	-	-	109	7,600	287,971	-5,00%	33	7,600	278,667
1282+14,675			33	- 7,600	279,156	109	- 7,600	287,972	-5,00%	108	-	-	-	107	- 3,600	288,172	-3,00%	279,083	288,280	9,197	107	3,600	288,172	-3,00%	108	-	-	-	109	7,600	287,972	-5,00%	33	7,600	278,751
1282+17,116																																			
1283+0,000																																			
1283+2,234																																			
1284+0,000																																			
1285+0,000																			OAE - EST.1282+17,116 a EST.1288+2,116																
1286+0,000																																			
1287+0,000																																			
1287+16,997																																			
1288+0,000																																			
1288+2,116																																			
1288+7,234			33	- 7,600	277,741	109	- 7,600	285,825	-5,00%	108	-	-	-	107	- 3,600	286,025	-3,00%	277,916	286,133	8,217	107	3,600	286,025	-3,00%	108	-	-	-	109	7,600	285,825	-5,00%	33	7,600	278,128
1288+11,913		PTV	33	- 7,600	277,657	109	- 7,600	285,643	-5,00%	108	-	-	-	107	- 3,600	285,843	-3,00%	277,884	285,951	8,067	107	3,600	285,843	-3,00%	108	-	-	-	109	7,600	285,643	-5,00%	33	7,600	278,062
1289+0,000			33	- 7,600	277,520	109	- 7,600	285,322	-5,00%	108	-	-	-	107	- 3,600	285,522	-3,00%	277,762	285,630	7,868	107	3,600	285,522	-3,00%	108	-	-	-	109	7,600	285,322	-5,00%	33	7,600	277,852
1290+0,000			33	- 7,600	277,232	109	- 7,600	284,527	-5,00%	108	-	-	-	107	- 3,600	284,727	-3,00%	277,400	284,835	7,434	107	3,600	284,727	-3,00%	108	-	-	-	109	7,600	284,527	-5,00%	33	7,600	277,523
1290+11,799			33	- 7,600	277,178	109	- 7,600	284,058	-5,00%	108	-	-	-	107	- 3,600	284,258	-3,00%	277,212	284,366	7,154	107	3,600	284,258	-3,00%	108	-	-	-	109	7,600	284,058	-5,00%	33	7,600	277,235
																			DISPOSITIVO EST.1300+0,000 - EST.1290+11,799 a EST. 1313+3,427																
1313+3,427			33	- 13,076	277,442	109	- 11,930	278,206	-3,00%	108	-	-	-	107	- 4,905	278,417	-3,00%	277,462	278,564	1,102	107	4,905	278,417	-3,00%	108	-	-	-	109	11,990	278,164	-3,00%	33	12,690	277,699
1314+0,000			33	- 13,031	277,386	109	- 11,930	278,121	-3,00%	108	-	-	-	107	- 4,905	278,332	-3,00%	277,438	278,479	1,041	107	4,905	278,332	-3,00%	108	-	-	-	109	11,930	278,121	-3,00%	33	12,717	277,595
1315+0,000			33	- 12,789	277,445	109	- 11,930	278,018	-3,00%	108	-	-	-	107	- 4,905	278,229	-3,00%	277,508	278,376	0,868	107	4,905	278,229	-3,00%	108	-	-	-	109	11,930	278,018	-3,00%	33	12,434	277,682
1316+0,000			33	- 12,516	277,524	109	- 11,930	277,915	-3,00%	108	-	-	-	107	- 4,905	278,126	-3,00%	277,613	278,273	0,660	107	4,905	278,126	-3,00%	108	-	-	-	109	11,930	277,915	-3,00%	33	12,270	277,688
1316+3,353		PCV	33	- 12,486	277,527	109	- 11,930	277,898	-3,00%	108	-	-	-	107	- 4,905	278,109	-3,00%	277,590	278,256	0,666	107	4,905	278,109	-3,00%	108	-	-	-	109	11,930	277,898	-3,00%	33	12,322	277,636

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		BR-158/262-MS																																				
ESTACA			LADO ESQUERDO															COTAS DE EIXO			LADO DIREITO																		
			PLATAFORMA DE TERRAPLENAGEM																		PLATAFORMA DE TERRAPLENAGEM																		
			Talude			Fim da plataforma				Inicio do alargamento de corte				Bordo da pista							Bordo da pista				Inicio do alargamento de corte				Fim da plataforma				Talude			
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Cota	P.	Dist.	Cota
1317+0,000			33	- 12,306	277,591	109	- 11,930	277,842	-3,00%	108	-	-	-	107	- 4,905	278,053	-3,00%	277,561	278,200	0,639	107	4,905	278,053	-3,00%	108	-	-	-	109	11,930	277,842	-3,00%	33	12,026	277,777
1317+7,317			33	- 12,242	277,628	109	- 11,930	277,836	-3,00%	108	-	-	-	107	- 4,905	278,047	-3,00%	277,581	278,194	0,613	107	4,905	278,047	-3,00%	108	-	-	-	109	11,930	277,836	-3,00%	33	12,394	277,526
1318+0,000			33	- 12,226	277,656	109	- 11,930	277,853	-3,00%	108	-	-	-	107	- 4,905	278,064	-3,00%	277,624	278,211	0,587	107	4,905	278,064	-3,00%	108	-	-	-	109	11,930	277,853	-3,00%	33	12,176	277,689
1318+13,353			33	- 12,047	277,831	109	- 11,930	277,909	-3,00%	108	-	-	-	107	- 4,905	278,120	-3,00%	277,832	278,267	0,434	107	4,905	278,120	-3,00%	108	-	-	-	109	11,930	277,909	-3,00%	33	12,097	277,797
1319+0,000			33	- 11,817	278,026	109	- 11,750	277,956	-3,00%	108	-	-	-	107	- 4,905	278,162	-3,00%	278,018	278,309	0,291	107	4,905	278,162	-3,00%	108	-	-	-	109	11,930	277,951	-3,00%	33	11,975	277,920
1320+0,000			33	- 11,728	278,268	109	- 11,600	278,144	-3,00%	108	-	-	-	107	- 4,905	278,345	-3,00%	278,370	278,492	0,122	107	4,905	278,345	-3,00%	108	-	-	-	109	11,710	278,141	-3,00%	33	11,791	278,226
1321+0,000			33	- 12,028	278,909	109	- 11,530	278,415	-3,00%	108	-	-	-	107	- 4,905	278,614	-3,00%	278,845	278,761	-0,084	107	4,905	278,614	-3,00%	108	-	-	-	109	11,530	278,415	-3,00%	33	11,826	278,707
1321+3,353		PTV	33	- 12,046	278,980	109	- 11,530	278,469	-3,00%	108	-	-	-	107	- 4,905	278,668	-3,00%	278,895	278,815	-0,080	107	4,905	278,668	-3,00%	108	-	-	-	109	11,530	278,469	-3,00%	33	11,824	278,758
1321+18,437			33	- 12,092	279,272	109	- 11,500	278,686	-3,00%	108	-	-	-	107	- 4,905	278,914	-3,00%	279,103	279,061	-0,042	107	4,905	278,914	-3,00%	108	-	-	-	109	11,990	278,661	-3,00%	33	11,537	279,017

5.1.2.Interseção Est.35+0,000

5.1.2.1. Ramo 100

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS

Dispositivo Est. 35+0,000 - Ramo 100

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM											COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
100+0,000	PC	PPV	33	-	338,140	109	-	-	-	107	-	-	-	338,140	337,906	-0,234	107	3,600	337,798	-3,00%	109	8,020	337,577	-5,00%	33	8,043	337,603
100+10,000			33	- 0,052	338,147	109	-	-	-	107	- 0,052	337,904	-3,86%	338,140	337,906	-0,234	107	3,600	337,798	-3,00%	109	8,020	337,577	-5,00%	33	8,043	337,603
101+0,000			33	- 0,206	338,518	109	-	-	-	107	- 0,206	338,270	-0,23%	338,528	338,270	-0,257	107	3,600	338,162	-3,00%	109	7,790	337,953	-5,00%	33	7,899	338,063
102+0,000			33	- 0,825	338,856	109	-	-	-	107	- 0,825	338,634	-0,11%	338,854	338,635	-0,219	107	3,600	338,527	-3,00%	109	8,090	338,303	-5,00%	33	8,092	338,299
103+0,000			33	- 1,811	339,188	109	-	-	-	107	- 1,859	338,999	-0,02%	339,170	338,999	-0,170	107	3,600	338,891	-3,00%	109	8,090	338,667	-5,00%	33	8,720	338,244
104+0,000			33	- 3,308	339,532	109	- 3,310	339,365	0,02%	107	- 1,400	339,362	0,02%	339,439	339,364	-0,075	107	3,600	339,256	-3,00%	109	8,090	339,032	-5,00%	33	9,216	338,279
104+5,000		PCV	33	- 3,736	339,624	109	- 3,740	339,457	0,04%	107	- 1,400	339,453	0,04%	339,492	339,455	-0,037	107	3,600	339,347	-3,00%	109	8,090	339,123	-5,00%	33	9,322	338,299
105+0,000			33	- 5,178	339,862	109	- 5,180	339,749	0,14%	107	- 1,400	339,743	0,14%	339,720	339,741	0,021	107	3,600	339,633	-3,00%	109	8,090	339,409	-5,00%	33	9,478	338,481
105+14,724			33	- 2,400	339,936	109	- 2,400	340,119	3,00%	107	- 1,400	340,089	3,00%	339,721	340,047	0,326	107	3,600	339,939	-3,00%	109	8,090	339,715	-5,00%	33	9,804	338,570
106+0,000			33	- 2,400	339,983	109	- 2,400	340,235	3,00%	107	- 1,400	340,205	3,00%	339,675	340,163	0,488	107	3,600	340,055	-3,00%	109	8,090	339,831	-5,00%	33	9,950	338,588
106+5,000			33	- 2,400	340,026	109	- 2,400	340,348	3,00%	107	- 1,400	340,318	3,00%	339,619	340,275	0,656	107	3,600	340,167	-3,00%	109	8,090	339,943	-5,00%	33	10,093	338,605
106+17,654			33	- 4,809	340,264	109	- 4,160	340,698	3,00%	107	- 1,400	340,615	3,00%	339,436	340,568	1,133	107	3,600	340,460	-3,00%	109	8,090	340,236	-5,00%	33	10,464	338,651
107+0,000			33	- 4,854	340,291	109	- 4,160	340,755	3,00%	107	- 1,400	340,672	3,00%	339,446	340,630	1,185	107	3,600	340,522	-3,00%	109	8,090	340,298	-5,00%	33	10,543	338,660
108+0,000			33	- 5,640	340,281	109	- 4,160	341,268	3,00%	107	- 1,400	341,185	3,00%	339,452	341,143	1,692	107	3,600	341,035	-3,00%	109	8,090	340,811	-5,00%	33	10,488	339,210
108+5,000		PTV	33	- 5,718	340,364	109	- 4,160	341,404	3,00%	107	- 1,400	341,321	3,00%	339,556	341,279	1,723	107	3,600	341,171	-3,00%	109	8,090	340,947	-5,00%	33	10,494	339,342
109+0,000			33	- 6,233	340,431	109	- 4,160	341,814	3,00%	107	- 1,400	341,731	3,00%	339,845	341,689	1,844	107	3,600	341,581	-3,00%	109	8,090	341,357	-5,00%	33	10,498	339,749
110+0,000			33	- 6,748	340,635	109	- 4,160	342,362	3,00%	107	- 1,400	342,279	3,00%	340,140	342,237	2,097	107	3,600	342,129	-3,00%	109	8,090	341,905	-5,00%	33	10,287	340,437
111+0,000			33	- 7,307	340,810	109	- 4,160	342,909	3,00%	107	- 1,400	342,826	3,00%	340,360	342,784	2,425	107	3,600	342,676	-3,00%	109	8,090	342,452	-5,00%	33	9,461	341,536
112+0,000			33	- 7,706	341,091	109	- 4,160	343,457	3,00%	107	- 1,400	343,374	3,00%	341,218	343,332	2,114	107	3,600	343,224	-3,00%	109	8,090	342,999	-5,00%	33	9,483	342,068
113+0,000			33	- 8,624	341,027	109	- 4,160	344,004	3,00%	107	- 1,400	343,921	3,00%	342,177	343,879	1,702	107	3,600	343,771	-3,00%	109	8,090	343,547	-5,00%	33	9,548	342,572
114+0,000			33	- 7,103	342,588	109	- 4,160	344,551	3,00%	107	- 1,400	344,469	3,00%	342,597	344,427	1,829	107	3,600	344,319	-3,00%	109	8,090	344,094	-5,00%	33	9,556	343,115
114+12,291			33	- 6,945	343,129	109	- 4,160	344,888	3,00%	107	- 1,400	344,805	3,00%	343,349	344,862	1,512	107	3,600	344,754	-3,00%	109	8,090	344,529	-5,00%	33	9,493	343,592
114+15,888			33	- 2,400	343,350	109	- 2,400	344,934	3,00%	107	- 1,400	344,904	3,00%	343,349	344,862	1,512	107	3,600	344,754	-3,00%	109	8,090	344,529	-5,00%	33	9,493	343,592
115+0,000			33	- 7,752	343,229	109	-	-	-	107	- 7,752	344,827	-1,89%	343,544	344,974	1,430	107	3,600	344,866	-3,00%	109	8,090	344,642	-5,00%	33	9,377	343,782
115+3,960			33	- 12,459	343,137	109	-	-	-	107	- 12,459	344,704	-3,04%	343,732	345,082	1,351	107	3,600	344,974	-3,00%	109	8,090	344,750	-5,00%	33	9,265	343,965
116+0,000			33	- 12,116	343,749	109	- 9,750	345,327	-2,00%	107	- 6,316	345,395	-2,00%	344,477	345,522	1,044	107	3,600	345,414	-3,00%	109	8,090	345,189	-5,00%	33	9,042	344,552
117+0,000			33	- 8,858	344,784	109	- 7,040	345,999	-1,00%	107	- 3,669	346,032	-1,00%	345,097	346,069	0,972	107	3,600	345,961	-3,00%	109	8,090	345,737	-5,00%	33	9,026	345,110
117+3,830			33	- 8,753	344,964	109	- 6,940	346,174	0,00%	107	- 3,600	346,174	0,00%	345,179	346,174	0,995	107	3,600	346,066	-3,00%	109	8,090	345,841	-5,00%	33	9,029	345,213
118+0,000			33	- 9,554	345,025	109	- 6,860	346,822	3,00%	107	- 3,600	346,724	3,00%	345,556	346,616	1,060	107	3,600	346,508	-3,00%	109	8,090	346,284	-5,00%	33	9,087	345,617
119+0,000			33	- 10,196	345,145	109	- 6,860	347,370	3,00%	107	- 3,600	347,272	3,00%	346,068	347,164	1,096	107	3,600	347,056	-3,00%	109	8,090	346,832	-5,00%	33	9,174	346,107
120+0,000			33	- 9,127	346,405	109	- 6,860	347,917	3,00%	107	- 3,600	347,819	3,00%	346,293	347,711	1,418	107	3,600	347,603	-3,00%	109	8,090	347,379	-5,00%	33	9,177	346,652
121+0,000			33	- 8,709	347,231	109	- 6,860	348,464	3,00%	107	- 3,600	348,367	3,00%	347,334	348,259	0,924	107	3,600	348,151	-3,00%	109	8,090	347,926	-5,00%	33	8,771	347,470
122+0,000			33	- 8,750	347,751	109	- 6,860	349,012	3,00%	107	- 3,600	348,914	3,00%	347,852	348,806	0,954	107	3,600	348,698	-3,00%	109	8,090	348,474	-5,00%	33	8,645	348,101
123+0,000			33	- 8,687	348,340	109	- 6,860	349,559	3,00%	107	- 3,600	349,462	3,00%	348,448	349,354	0,906	107	3,600	349,246	-3,00%	109	8,090	349,021	-5,00%	33	8,920	348,466
124+0,000			33	- 8,844	348,783	109	- 6,860	350,107	3,00%	107	- 3,600	350,009	3,00%	349,012	349,901	0,889	107	3,600	349,793	-3,00%	109	8,090	349,569	-5,00%	33	8,779	349,107
125+0,000			33	- 8,725	349,410	109	- 6,860	350,654	3,00%	107	- 3,600	350,556	3,00%	349,483	350,448	0,966	107	3,600	350,340	-3,00%	109	8,090	350,116	-5,00%	33	8,810	349,634
126+0,000			33	- 8,597	350,043	109	- 6,860	351,202	3,00%	107	- 3,600	351,104	3,00%	350,184	350,996	0,812	107	3,600	350,888	-3,00%	109	8,090	350,664	-5,00%	33	8,707	350,250
126+5,181			33	- 8,564	350,207	109	- 6,860	351,340	3,00%	107	- 3,600	351,246	3,00%	350,352	351,138	0,786	107	3,600	351,030	-3,00%	109	8,090	350,805	-5,00%	33	8,672	350,415
127+0,000			33	- 8,511	350,647	109	- 6,860	351,749	3,00%	107	- 3,600	351,651	3,00%	350,822	351,543	0,721	107	3,600	351,435	-3,00%	109	8,090	351,211	-5,00%	33	8,661	350,828
128+0,000			33	- 8,496	351,205	109	- 6,860	352,297	3,00%	107	- 3,600	352,199	3,00%	351,194	352,091	0,897	107	3,600	351,983	-3,00%	109	8,090	351,758	-5,00%	33	8,711	351,342
129+0,000			33	- 8,358	351,844	109	- 6,860	352,844	3,00%	107	- 3,600	352,746	3,00%	351,878	352,638	0,760	107	3,600	352,530	-3,00%	109	8,090	352,306	-5,00%	33	8,292	352,169
130+0,000			33	- 8,239	352,471	109	- 6,860	353,391	3,00%	107	- 3,600	353,294	3,00%	352,729	353,186	0,456	107	3,600	353,078	-3,00%	109	8,090	352,853	-5,00%	33	8,399	352,645
131+0,000			33	- 8,279	352,992	109	- 6,860	353,939	3,00%	107	- 3,600	353,841	3,00%	353,054	353,733	0,679	107	3,600	353,625	-3,00%	109	8,090	353,401	-5,00%	33	8,514	353,116
132+0,000			33	- 8,078	353,673	109	- 6,860	354,486	3,00%	107	- 3,600	354,389	3,00%	353,532	354,281	0,748	107	3,600	354,173	-3,00%	109	8,090	353,948	-5,00%	33	8,448	353,707
133+0,000			33	- 8,154	354,170	109	- 6,860	355,034	3,00%	107	- 3,600	354,936	3,00%	354,205	354,828	0,623	107	3,600	354,720	-3,00%	109	8,090	354,496	-5,00%	33	8,492	354,226
134+0,000			33	- 8,252	354,652	109	- 6,860	355,581	3,00%	107	- 3,600	355,483	3,00%	354,699	355,375	0,677	107	3,600	355,267	-3,00%	109	8,090	355,043	-5,00%	33	8,524	354,752
135+0,000			33	- 8,220	355,221	109	- 6,860	356,129	3,00%	107	- 3,600	356,031	3,00%	355,430	355,923	0,493	107	3,600	355,815	-3,00%	109	8,090	355,591	-5,00%	33	8,461	355,341
135+12,719			33	- 7,430	355,610	109	- 6,440	356,271	0,00%	107	- 3,600	356,271	0,00%	355,639	356,271	0,632	107	3,600	356,163	-3,00%	109	8,090	355,939	-5,00%	33	8,507	355,658
136+0,000			33	- 8,112	355,833	109	- 7,270	356,398	-1,00%	107	- 3,895	356,431	-1,00%	355,854	356,470	0,616	107	3,600	356,362	-3,00%	109	8,090	356,138	-5,00%	33	8,486	355,872
137+0,000			33	- 11,945	356,491	109	- 11,270	356,939	-0,70%	107	- 7,842	356,963	-0,70%	356,233	357,018	0,785	107	3,600	356,910	-3,00%	109	8,090	356,685	-5,00%	33	8,704	356,274
137+9,958			33	- 14,410	356,813	109	- 14,410	357,212	-0,55%	107	- 12,910	357,220	-0,55%	356,593	357,290	0,698	107	3,600	357,182	-3,00%	109	8,090	356,958	-5,00%	33	8,699	356,550
137+18,945			33	- 2,400	358,880	109	- 2,400	357,608	3,00%	107	- 1,400	357,578	2,97%	356,917	357,536	0,619	107	3,600	357,428	-3,00%	109	8,090	357,204	-5,00%	33	8,601	356,861
138+0,000			33	- 2,400	356,917	109	- 2,400	357,637	3,00%	107	- 1,400	357,607	3,00%	356,954	357,565	0,611	107	3,600	357,457	-3,00%	109	8,090	357,233	-5,00%	33	8,590	356,897
138+2,175			33	- 5,234	357,032	109	- 7,160	357,750	3,00%	107	- 1,400	357,667	3,00%	357,027	357,625	0,598	107	3,600	357,517	-3,00%	109	8,090	357,292	-5,00%	33	8,578	356,965

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 35+0,000 - Ramo 100

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM											COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
139+0,000			33	-5,280	357,490	109	-4,160	358,237	3,00%	107	-1,400	358,155	3,00%	357,620	358,113	0,493	107	3,600	358,005	-3,00%	109	8,090	357,780	-5,00%	33	8,416	357,561
139+10,000		PCV	33	-5,217	357,805	109	-4,160	358,511	3,00%	107	-1,400	358,428	3,00%	357,858	358,386	0,528	107	3,600	358,278	-3,00%	109	8,090	358,054	-5,00%	33	8,483	357,790
140+0,000			33	-5,135	358,129	109	-4,160	358,780	3,00%	107	-1,400	358,697	3,00%	358,097	358,655	0,558	107	3,600	358,547	-3,00%	109	8,090	358,323	-5,00%	33	8,540	358,021
141+0,000			33	-5,213	358,585	109	-4,160	359,287	3,00%	107	-1,400	359,205	3,00%	358,558	359,163	0,605	107	3,600	359,055	-3,00%	109	8,090	358,830	-5,00%	33	8,563	358,513
142+0,000			33	-5,009	359,188	109	-4,160	359,755	3,00%	107	-1,400	359,672	3,00%	359,185	359,630	0,445	107	3,600	359,522	-3,00%	109	8,090	359,298	-5,00%	33	8,462	359,048
143+0,000			33	-4,960	359,648	109	-4,160	360,183	3,00%	107	-1,400	360,100	3,00%	359,644	360,058	0,414	107	3,600	359,950	-3,00%	109	8,090	359,726	-5,00%	33	8,404	359,514
144+0,000			33	-4,911	360,069	109	-4,160	360,571	3,00%	107	-1,400	360,488	3,00%	360,028	360,446	0,418	107	3,600	360,338	-3,00%	109	8,090	360,114	-5,00%	33	8,318	359,959
145+0,000			33	-4,795	360,495	109	-4,160	360,919	3,00%	107	-1,400	360,837	3,00%	360,575	360,795	0,220	107	3,600	360,687	-3,00%	109	8,090	360,462	-5,00%	33	8,137	360,428
145+12,709			33	-4,698	360,760	109	-4,160	361,120	3,00%	107	-1,400	361,037	3,00%	360,746	360,995	0,249	107	3,600	360,887	-3,00%	109	8,090	360,663	-5,00%	33	8,134	360,631
146+0,000			33	-2,400	360,863	109	-2,400	361,175	3,00%	107	-1,400	361,145	3,00%	360,849	361,103	0,254	107	3,600	360,995	-3,00%	109	8,090	360,771	-5,00%	33	8,126	360,744
146+15,639			33	-2,400	361,276	109	-2,400	361,388	3,00%	107	-1,400	361,358	3,00%	361,180	361,316	0,136	107	3,600	361,208	-3,00%	109	8,010	360,988	-5,00%	33	8,038	361,016
147+0,000			33	-6,312	361,402	109	-6,310	361,353	-1,23%	107	-1,400	361,413	3,00%	361,268	361,371	0,104	107	3,600	361,263	-3,00%	109	7,940	361,046	-5,00%	33	7,994	361,101
148+0,000			33	-4,224	361,617	109	-4,220	361,588	-1,90%	107	-1,400	361,642	3,00%	361,534	361,600	0,066	107	3,600	361,492	-3,00%	109	7,710	361,286	-5,00%	33	7,849	361,426
149+0,000			33	-2,558	361,842	109	-	-	-	107	-2,558	361,781	-0,28%	361,831	361,789	-0,043	107	3,600	361,681	-3,00%	109	7,460	361,488	-5,00%	33	7,692	361,719
150+0,000			33	-1,309	362,244	109	-	-	-	107	-1,309	361,933	-0,33%	362,230	361,938	-0,293	107	3,600	361,830	-3,00%	109	7,600	361,630	-5,00%	33	8,027	362,057
151+0,000			33	-0,475	362,392	109	-	-	-	107	-0,475	362,044	-0,54%	362,384	362,047	-0,337	107	3,600	361,939	-3,00%	109	7,600	361,739	-5,00%	33	8,110	362,248
152+0,000			33	-0,055	362,535	109	-	-	-	107	-0,055	362,114	-0,75%	362,534	362,116	-0,419	107	3,600	362,008	-3,00%	109	7,600	361,808	-5,00%	33	8,243	362,451
152+10,000		PTV	33	-0,000	362,643	109	-	-	-	107	-	-	-0,96%	362,643	362,135	-0,507	107	3,600	362,027	-3,00%	109	7,600	361,827	-5,00%	33	8,280	362,507
152+10,363		PFV	33	-	362,647	109	-	-	-	107	-	-	-1,17%	362,647	362,136	-0,511	107	3,600	362,028	-3,00%	109	7,600	361,828	-5,00%	33	8,283	362,511

5.1.2.2. Ramo 200

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS

Dispositivo Est. 35+0,000 - Ramo 200

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM											COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
200+0,000	PP	PPV	33	-	362,647	109	-	-	-	107	-	-	-	362,647	362,136	-0,511	107	3,600	362,028	-3,00%	109	7,600	361,828	-5,00%	33	8,617	362,845
200+5,000		PCV	33	-	362,593	109	-	-	-	107	-	-	-	362,593	362,126	-0,467	107	3,600	362,018	-3,00%	109	7,600	361,818	-5,00%	33	8,564	362,783
201+0,000			33	-	362,465	109	-	-	-	107	-	-	-	362,465	362,086	-0,380	107	3,600	361,978	-3,00%	109	7,600	361,778	-5,00%	33	8,439	362,616
202+0,000			33	-	362,319	109	-	-	-	107	-	-	-	362,319	361,996	-0,323	107	3,600	361,888	-3,00%	109	7,600	361,688	-5,00%	33	8,319	362,407
203+0,000			33	-	362,051	109	-	-	-	107	-	-	-	362,051	361,866	-0,186	107	3,600	361,758	-3,00%	109	7,600	361,558	-5,00%	33	8,127	362,084
204+0,000			33	-	361,765	109	-	-	-	107	-	-	-	361,765	361,695	-0,069	107	3,600	361,587	-3,00%	109	7,600	361,387	-5,00%	33	8,167	361,955
205+0,000			33	-	361,536	109	-	-	-	107	-	-	-	361,536	361,484	-0,052	107	3,600	361,376	-3,00%	109	7,600	361,176	-5,00%	33	8,028	361,604
205+5,000			33	-	361,522	109	-	-	-	107	-	-	-	361,522	361,425	-0,097	107	3,600	361,317	-3,00%	109	7,600	361,117	-5,00%	33	8,057	361,574
205+14,857			33	- 2,399	361,302	109	- 2,400	361,373	3,00%	107	- 1,400	361,344	3,00%	361,316	361,302	-0,015	107	3,600	361,194	-3,00%	109	7,600	360,994	-5,00%	33	7,972	361,366
206+0,000			33	- 2,400	361,181	109	- 2,400	361,305	3,00%	107	- 1,400	361,275	3,00%	361,206	361,233	0,027	107	3,600	361,125	-3,00%	109	7,600	360,925	-5,00%	33	7,943	361,268
206+17,884			33	- 4,651	360,770	109	- 4,160	361,099	3,00%	107	- 1,400	361,016	3,00%	360,862	360,981	0,119	107	3,600	360,866	-3,00%	109	7,410	360,676	-5,00%	33	7,659	360,927
207+0,000			33	- 4,654	360,736	109	- 4,160	361,066	3,00%	107	- 1,400	360,983	3,00%	360,813	360,941	0,128	107	3,600	360,833	-3,00%	109	7,420	360,642	-5,00%	33	7,669	360,887
208+0,000			33	- 4,692	360,378	109	- 4,160	360,734	3,00%	107	- 1,400	360,651	3,00%	360,420	360,609	0,189	107	3,600	360,501	-3,00%	109	7,580	360,302	-5,00%	33	7,766	360,490
209+0,000			33	- 4,794	359,937	109	- 4,160	360,361	3,00%	107	- 1,400	360,278	3,00%	359,986	360,236	0,251	107	3,600	360,128	-3,00%	109	7,750	359,921	-5,00%	33	7,873	360,046
210+0,000			33	- 4,873	359,472	109	- 4,160	359,948	3,00%	107	- 1,400	359,865	3,00%	359,491	359,823	0,332	107	3,600	359,715	-3,00%	109	7,940	359,498	-5,00%	33	7,994	359,553
210+5,000		PTV	33	- 4,866	359,367	109	- 4,160	359,838	3,00%	107	- 1,400	359,756	3,00%	359,386	359,714	0,328	107	3,600	359,606	-3,00%	109	7,980	39,387	-5,00%	33	8,017	359,427
211+0,000			33	- 4,957	358,973	109	- 4,160	359,506	3,00%	107	- 1,400	359,423	3,00%	358,997	359,381	0,384	107	3,600	359,273	-3,00%	109	8,090	359,049	-5,00%	33	8,092	359,045
212+0,000			33	- 5,098	358,436	109	- 4,160	359,062	3,00%	107	- 1,400	358,979	3,00%	358,455	358,937	0,483	107	3,600	358,829	-3,00%	109	8,090	358,605	-5,00%	33	8,192	358,535
212+12,559	TE		33	- 5,180	358,103	109	- 4,160	358,784	3,00%	107	- 1,400	358,701	3,00%	358,130	358,659	0,529	107	3,600	358,551	-3,00%	109	8,090	358,327	-5,00%	33	8,263	358,209
213+0,000			33	- 5,237	357,900	109	- 4,160	358,619	3,00%	107	- 1,400	358,536	3,00%	357,938	358,494	0,556	107	3,600	358,386	-3,00%	109	8,090	358,162	-5,00%	33	8,322	358,005
213+15,824			33	- 5,342	357,479	109	- 4,160	358,268	3,00%	107	- 1,400	358,185	3,00%	357,523	358,143	0,620	107	3,600	358,035	-3,00%	109	8,090	357,811	-5,00%	33	8,425	357,585
214+0,000			33	- 5,349	357,374	109	- 4,170	358,161	2,66%	107	- 1,400	358,088	2,66%	357,416	358,051	0,635	107	3,600	357,955	-2,66%	109	8,090	357,731	-5,00%	33	8,463	357,479
214+10,000		PCV	33	- 5,366	357,121	109	- 4,190	357,906	1,84%	107	- 1,400	357,855	1,84%	357,162	357,829	0,666	107	3,600	357,763	-1,84%	109	8,090	357,538	-5,00%	33	8,551	357,229
214+11,952			33	- 5,372	357,070	109	- 4,190	357,856	1,68%	107	- 1,400	357,809	1,68%	357,113	357,785	0,672	107	3,600	357,725	-1,68%	109	8,090	357,500	-5,00%	33	8,568	357,180
214+15,671			33	- 2,400	356,996	109	- 2,400	357,735	1,38%	107	- 1,400	357,721	1,38%	357,016	357,701	0,686	107	3,600	357,652	-1,38%	109	8,090	357,427	-5,00%	33	8,598	357,086
215+0,000			33	- 8,170	356,853	109	-	-	-	107	- 8,170	357,490	-1,38%	356,901	357,602	0,701	107	3,600	357,565	-1,03%	109	8,090	357,341	-5,00%	33	8,638	356,973
215+3,651			33	- 12,590	356,716	109	-	-	-	107	- 12,289	357,289	-1,76%	356,804	357,517	0,712	107	3,600	357,490	-0,73%	109	8,090	357,266	-5,00%	33	8,671	356,877
215+12,559			33	- 13,224	356,434	109	- 11,920	357,303	0,00%	107	- 8,522	357,303	0,00%	356,568	357,303	0,734	107	3,600	357,303	0,00%	109	8,090	357,078	-5,00%	33	8,778	356,617
216+0,000			33	- 11,266	356,236	109	- 10,040	357,055	-0,62%	107	- 6,646	357,076	-0,62%	356,355	357,118	0,762	107	3,600	357,140	0,61%	109	8,090	356,915	-5,00%	33	8,866	356,396
216+10,000			33	- 11,266	356,236	109	- 10,040	357,055	-0,59%	107	- 6,646	357,076	-0,62%	356,355	357,118	0,763	107	3,600	357,140	0,61%	109	8,090	356,915	-5,00%	33	8,866	356,396
216+16,559			33	- 8,549	355,860	109	- 7,540	356,535	-2,00%	107	- 4,136	356,603	-2,00%	355,915	356,686	0,771	107	3,600	356,756	1,96%	109	8,090	356,532	-5,00%	33	9,030	355,903
217+0,000		PTV	33	- 8,249	355,783	109	- 7,280	356,426	-2,29%	107	- 3,878	356,504	-2,29%	355,821	356,593	0,772	107	3,600	356,673	2,24%	109	8,090	356,449	-5,00%	33	9,067	355,795
217+8,559			33	- 7,871	355,580	109	- 7,020	356,145	-3,00%	107	- 3,601	356,247	-3,00%	355,555	356,355	0,800	107	3,600	356,461	2,94%	109	8,090	356,237	-5,00%	33	9,153	355,526
217+9,017			33	- 7,872	355,565	109	- 7,020	356,131	-3,04%	107	- 3,600	356,233	-3,04%	355,541	356,342	0,802	107	3,600	356,450	2,98%	109	8,080	356,228	-4,94%	33	9,159	355,512
217+10,000			33	- 7,877	355,530	109	- 7,030	356,096	-3,11%	107	- 3,600	356,203	-3,11%	355,510	356,315	0,804	107	3,600	356,425	3,06%	109	8,080	356,209	-4,83%	33	9,173	355,481
218+0,000			33	- 7,903	355,189	109	- 7,050	355,756	-3,91%	107	- 3,600	355,891	-3,91%	355,182	356,032	0,850	107	3,600	356,171	3,87%	109	8,040	356,010	-3,62%	33	9,297	355,174
218+12,559	EC		33	- 7,773	354,869	109	- 7,080	355,329	-4,90%	107	- 3,600	355,500	-4,90%	354,870	355,676	0,806	107	3,600	355,853	4,90%	109	8,000	355,760	-2,10%	33	9,248	354,927
219+0,000			33	- 7,790	354,647	109	- 7,080	355,119	-4,90%	107	- 3,600	355,289	-4,90%	354,723	355,466	0,742	107	3,600	355,642	4,90%	109	8,000	355,550	-2,10%	33	9,144	354,785
220+0,000			33	- 7,871	354,028	109	- 7,080	354,553	-4,90%	107	- 3,600	354,723	-4,90%	354,057	354,900	0,843	107	3,600	355,076	4,90%	109	8,000	354,984	-2,10%	33	9,300	354,116
220+12,885			33	- 7,818	353,697	109	- 7,080	354,188	-4,90%	107	- 3,600	354,359	-4,90%	353,656	354,534	0,878	107	3,600	354,711	4,90%	109	8,000	354,619	-2,10%	33	9,451	353,649
221+0,000			33	- 7,807	353,504	109	- 7,080	353,987	-4,90%	107	- 3,600	354,157	-4,90%	353,441	354,334	0,893	107	3,600	354,510	4,90%	109	7,810	354,716	4,92%	33	9,738	353,432
222+0,000			33	- 7,911	352,869	109	- 7,080	353,421	-4,90%	107	- 3,600	353,591	-4,90%	352,845	353,768	0,922	107	3,600	353,944	4,90%	109	8,290	354,174	4,90%	33	10,349	352,801
223+0,000			33	- 7,907	352,305	109	- 7,080	352,855	-4,90%	107	- 3,600	353,025	-4,90%	352,351	353,202	0,850	107	3,600	353,378	4,90%	109	9,600	353,672	4,71%	33	11,697	352,273
223+7,885			33	- 7,926	352,069	109	- 7,080	352,631	-4,90%	107	- 3,600	352,802	-4,90%	352,139	352,979	0,840	107	3,600	353,155	4,90%	109	10,110	353,474	4,90%	33	12,235	352,059
223+17,893			33	- 7,939	351,778	109	- 7,080	352,348	-4,90%	107	- 3,600	352,519	-4,90%	351,863	352,696	0,832	107	3,600	352,872	4,90%	109	10,240	352,872	0,00%	33	11,914	351,754
224+0,000			33	- 7,939	351,718	109	- 7,080	352,289	-4,90%	107	- 3,600	352,459	-4,90%	351,805	352,636	0,830	107	3,600	352,812	4,90%	109	10,290	352,812	0,00%	33	12,006	351,666
225+0,000			33	- 7,957	351,140	109	- 7,080	351,723	-4,90%	107	- 3,600	351,893	-4,90%	351,156	352,070	0,914	107	3,600	352,246	4,90%	109	12,540	352,246	0,00%	33	14,662	350,831
225+19,710			33	- 8,037	350,529	109	- 7,080	351,165	-4,90%	107	- 3,600	351,336	-4,90%	350,440	351,512	1,072	107	3,600	351,688	4,89%	109	21,550	351,190	-2,78%	33	22,920	350,276
226+0,000			33	- 8,038	350,520	109	- 7,080	351,157	-4,90%	107	- 3,600	351,327	-4,90%	350,431	351,504	1,073	107	3,600	351,680	4,90%	109	16,220	351,347	-2,64%	33	16,221	350,297
226+6,068			33	- 8,076	350,323	109	- 7,080	350,985	-4,90%	107	- 3,600	351,156	-4,90%	350,229	351,332	1,103	107	3,600	351,508	4,90%	109	6,100	351,631	4,90%	33	6,100	350,157
226+10,284			33	- 8,101	350,187	109	- 7,080	350,865	-4,90%	107	- 3,600	351,038	-4,90%	350,090	351,213	1,123	107	3,600	351,389	4,90%	109	8,000	351,297	-2,10%	33	9,962	349,987
227+0,000			33	- 8,147	349,881	109	- 7,080	350,591	-4,90%	107	- 3,600	350,761	-4,90%	349,781	350,938	1,156	107	3,600	351,114	4,90%	109	8,000	351,022	-2,10%	33	9,940	349,726
227+19,128			33	- 8,116	349,361	109	- 7,080	350,049	-4,90%	107	- 3,600	350,220	-4,90%	349,305	350,396	1,091	107	3,600	350,573	4,90%	109	8,000	350,480	-2,10%	33	9,861	349,238
228+0,000			33	- 8,110	349,340	109	- 7,080	350,025	-4,90%	107	- 3,600	350,195	-4,90%	349,284	350,372	1,088	107	3,600	350,548	4,90%	109	8,000	350,456	-2,10%	33	9,856	349,216

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 35+0,000 - Ramo 200

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM											COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
229+0,000			33	-7,963	348,872	109	-7,080	349,459	-4,90%	107	-3,600	349,629	-4,90%	348,806	349,806	1,000	107	3,600	349,982	4,90%	109	8,000	349,890	-2,10%	33	9,957	348,583
229+5,767			33	-7,926	348,734	109	-7,080	349,295	-4,90%	107	-3,600	349,466	-4,90%	348,647	349,643	0,995	107	3,600	349,819	4,90%	109	8,000	349,941	4,90%	33	6,100	348,465
229+9,511			33	-7,903	348,643	109	-7,080	349,190	-4,90%	107	-3,600	349,360	-4,90%	348,499	349,537	1,037	107	3,600	349,713	4,90%	109	19,210	349,589	-0,79%	33	21,985	347,739
229+10,000		PCV	33	-7,900	348,631	109	-7,080	349,176	-4,90%	107	-3,600	349,346	-4,90%	348,480	349,523	1,043	107	3,600	349,699	4,90%	109	15,110	349,584	-1,00%	33	17,681	347,869
230+0,000			33	-7,933	348,335	109	-7,080	348,901	-4,90%	107	-3,600	349,072	-4,90%	348,114	349,248	1,134	107	3,600	349,424	4,90%	109	12,500	349,335	-1,00%	33	15,441	347,372
231+0,000			33	-8,143	347,694	109	-7,080	348,400	-4,90%	107	-3,600	348,571	-4,90%	347,401	348,748	1,346	107	3,600	348,924	4,90%	109	11,120	348,849	-1,00%	33	14,526	346,575
232+0,000			33	-9,093	346,626	109	-7,080	347,966	-4,90%	107	-3,600	348,136	-4,90%	345,949	348,313	2,364	107	3,600	348,489	4,90%	109	10,240	348,489	0,00%	33	13,867	346,070
232+8,554			33	-9,254	346,352	109	-7,080	347,800	-4,90%	107	-3,600	347,970	-4,90%	345,507	348,147	2,640	107	3,600	348,323	4,90%	109	10,180	348,455	2,00%	33	12,774	346,728
232+10,000		PTV	33	-9,265	346,318	109	-7,080	347,773	-4,90%	107	-3,600	347,944	-4,90%	345,772	348,120	2,348	107	3,600	348,296	4,90%	109	9,370	348,579	4,90%	33	12,194	346,693
233+0,000			33	-9,844	345,747	109	-7,080	347,588	-4,90%	107	-3,600	347,759	-4,90%	343,779	347,935	4,156	107	3,600	348,112	4,90%	109	8,710	348,362	4,90%	33	10,816	346,959
234+0,000			33	-11,439	344,315	109	-7,080	347,219	-4,90%	107	-3,600	347,390	-4,90%	344,976	347,566	2,590	107	3,600	347,742	4,90%	109	8,060	347,961	4,90%	33	10,170	346,551
235+0,000			33	-12,056	343,535	109	-7,080	346,850	-4,90%	107	-3,600	347,020	-4,90%	345,590	347,197	1,607	107	3,600	347,373	4,90%	109	7,810	347,580	4,90%	33	10,237	345,963
235+3,554			33	-12,038	343,481	109	-7,080	346,784	-4,90%	107	-3,600	346,955	-4,90%	345,662	347,131	1,469	107	3,600	347,308	4,90%	109	8,000	347,390	4,90%	33	10,331	345,834
236+0,000			33	-12,211	343,062	109	-7,080	346,480	-4,90%	107	-3,600	346,651	-4,90%	345,536	346,827	1,291	107	3,600	347,004	4,90%	109	8,000	346,912	-2,10%	33	10,328	345,358
237+0,000			33	-11,609	343,094	109	-7,080	346,111	-4,90%	107	-3,600	346,282	-4,90%	345,104	346,458	1,354	107	3,600	346,635	4,90%	109	8,000	346,542	-2,10%	33	11,048	344,509
237+5,698	CE		33	-11,368	343,150	109	-7,080	346,006	-4,90%	107	-3,600	346,177	-4,90%	344,985	346,353	1,368	107	3,600	346,529	4,90%	109	8,000	346,437	-2,10%	33	11,219	344,290
238+0,000			33	-11,272	343,009	109	-7,050	345,826	-3,73%	107	-3,600	345,955	-3,73%	344,678	346,089	1,410	107	3,600	346,223	3,73%	109	8,050	346,050	-3,88%	33	11,487	343,760
238+8,963			33	-11,398	342,798	109	-7,030	345,713	-3,00%	107	-3,603	345,815	-3,00%	344,502	345,923	1,421	107	3,600	346,031	3,00%	109	8,090	345,807	-5,00%	33	11,584	343,476
239+0,000			33	-11,832	342,739	109	-7,600	345,560	-2,10%	107	-4,195	345,632	-2,10%	344,280	345,720	1,440	107	3,600	345,795	2,10%	109	8,090	345,571	-5,00%	33	11,620	343,215
239+1,698			33	-12,075	342,676	109	-7,790	345,536	-1,96%	107	-4,381	345,602	-1,96%	344,245	345,688	1,444	107	3,600	345,759	1,96%	109	8,090	345,535	-5,00%	33	11,569	343,213
239+10,040		PCV	33	-13,618	342,399	109	-9,090	345,418	-1,28%	107	-5,686	345,462	-1,28%	344,065	345,534	1,470	107	3,600	345,580	1,28%	109	8,090	345,356	-5,00%	33	11,308	343,208
240+0,000			33	-16,549	341,969	109	-11,570	345,289	-0,47%	107	-8,151	345,305	-0,47%	343,830	345,343	1,513	107	3,600	345,360	0,47%	109	8,090	345,135	-5,00%	33	11,002	343,191
240+5,698	ET		33	-18,690	341,704	109	-13,500	345,164	-0,45%	107	-10,050	345,180	-0,45%	343,696	345,227	1,531	107	3,600	345,227	0,00%	109	8,090	345,002	-5,00%	33	11,025	343,043
240+11,924			33	-13,438	341,655	109	-	-	-	107	-13,438	344,575	-3,86%	343,558	345,094	1,536	107	3,600	345,075	-0,51%	109	8,090	344,851	-5,00%	33	11,032	342,888
241+0,000			33	-3,353	343,266	109	-3,350	344,926	0,40%	107	-1,400	344,918	0,40%	343,390	344,913	1,523	107	3,600	344,871	-1,17%	109	8,090	344,646	-5,00%	33	11,008	342,699
241+0,040			33	-3,244	345,225	109	-3,240	344,925	0,41%	107	-1,400	344,917	0,41%	343,389	344,912	1,523	107	3,600	344,870	-1,16%	109	8,090	344,645	-5,00%	33	11,007	342,698
241+0,349			33	-2,400	343,295	109	-2,400	344,916	0,46%	107	-1,400	344,911	0,46%	343,382	344,905	1,522	107	3,600	344,862	-1,20%	109	8,090	344,637	-5,00%	33	11,006	342,691
241+3,952			33	-7,233	342,859	109	-4,200	344,883	1,49%	107	-1,400	344,841	1,49%	343,307	344,820	1,513	107	3,600	344,767	-1,49%	109	8,090	344,542	-5,00%	33	10,987	342,609
242+0,000			33	-7,110	342,574	109	-4,160	344,538	2,80%	107	-1,400	344,461	2,80%	342,982	344,421	1,439	107	3,600	344,321	-2,80%	109	8,090	344,096	-5,00%	33	10,755	342,317
242+2,432			33	-7,090	342,528	109	-4,160	344,482	3,00%	107	-1,400	344,400	3,00%	342,934	344,358	1,424	107	3,600	344,250	-3,00%	109	8,090	344,025	-5,00%	33	10,714	342,273
242+10,040			33	-6,988	342,390	109	-4,160	344,277	3,00%	107	-1,400	344,194	3,00%	342,782	344,152	1,370	107	3,600	344,044	-3,00%	109	8,090	343,820	-5,00%	33	10,631	342,123
243+0,000			33	-6,826	342,223	109	-4,160	344,002	3,00%	107	-1,400	343,919	3,00%	342,587	343,877	1,290	107	3,600	343,769	-3,00%	109	8,090	343,544	-5,00%	33	10,680	341,816
243+5,698			33	-6,734	342,127	109	-4,160	343,844	3,00%	107	-1,400	343,761	3,00%	342,475	343,719	1,244	107	3,600	343,611	-3,00%	109	8,090	343,387	-5,00%	33	10,707	341,640
244+0,000			33	-6,467	341,910	109	-4,160	343,449	3,00%	107	-1,400	343,366	3,00%	342,218	343,324	1,107	107	3,600	343,216	-3,00%	109	8,090	342,992	-5,00%	33	10,777	341,198
245+0,000			33	-6,094	341,607	109	-4,160	342,897	3,00%	107	-1,400	342,814	3,00%	341,862	342,772	0,910	107	3,600	342,664	-3,00%	109	8,090	342,440	-5,00%	33	10,138	341,072
246+0,000			33	-5,689	341,324	109	-4,160	342,344	3,00%	107	-1,400	342,262	3,00%	341,526	342,220	0,694	107	3,600	342,112	-3,00%	109	8,090	341,887	-5,00%	33	9,719	340,799
247+0,000			33	-5,337	341,007	109	-4,160	341,792	3,00%	107	-1,400	341,709	3,00%	341,199	341,667	0,469	107	3,600	341,559	-3,00%	109	8,090	341,335	-5,00%	33	9,416	340,448
247+15,000		PCV	33	-5,117	340,739	109	-4,160	341,378	3,00%	107	-1,400	341,295	3,00%	340,946	341,253	0,307	107	3,600	341,145	-3,00%	109	8,090	340,921	-5,00%	33	8,689	340,519
248+0,000			33	-5,065	340,637	109	-4,160	341,241	3,00%	107	-1,400	341,158	3,00%	340,861	341,116	0,256	107	3,600	341,008	-3,00%	109	8,090	340,784	-5,00%	33	8,618	340,430
249+0,000			33	-4,828	340,278	109	-4,160	340,724	3,00%	107	-1,400	340,641	3,00%	340,504	340,599	0,095	107	3,600	340,491	-3,00%	109	8,090	340,267	-5,00%	33	8,329	340,105
249+0,372			33	-2,400	340,382	109	-2,400	340,662	3,00%	107	-1,400	340,632	3,00%	340,497	340,590	0,093	107	3,600	340,482	-3,00%	109	8,090	340,258	-5,00%	33	8,330	340,096
249+15,000			33	-2,400	340,128	109	-2,400	340,285	3,00%	107	-1,400	340,285	3,00%	340,235	340,243	0,007	107	3,600	340,135	-3,00%	109	8,090	339,910	-5,00%	33	8,418	339,690
250+0,000			33	-2,400	340,056	109	-2,400	340,201	3,00%	107	-1,400	340,171	3,00%	340,148	340,129	-0,019	107	3,600	340,021	-3,00%	109	8,090	339,797	-5,00%	33	8,458	339,549
250+3,399			33	-2,400	340,008	109	-2,400	340,091	1,53%	107	-1,400	340,076	1,53%	340,089	340,054	-0,035	107	3,600	339,946	-3,00%	109	8,090	339,722	-5,00%	33	8,498	339,448
251+0,000			33	-	339,830	109	-	-	-	107	-	-	-	339,830	339,707	-0,124	107	3,600	339,599	-3,00%	109	8,090	339,374	-5,00%	33	8,277	339,247
251+15,000		PTV	33	-	339,589	109	-	-	-	107	-	-	-	339,589	339,421	-0,168	107	3,600	339,313	-3,00%	109	8,090	339,088	-5,00%	33	8,245	338,983
252+0,000			33	-	339,497	109	-	-	-	107	-	-	-	339,497	339,330	-0,167	107	3,600	339,222	-3,00%	109	8,090	338,997	-5,00%	33	8,357	338,817
253+0,000			33	-	339,159	109	-	-	-	107	-	-	-	339,159	338,966	-0,193	107	3,600	338,858	-3,00%	109	8,090	338,633	-5,00%	33	8,564	338,315
254+0,000			33	-	338,825	109	-	-	-	107	-	-	-	338,825	338,602	-0,223	107	3,600	338,494	-3,00%	109	8,090	338,270	-5,00%	33	8,590	337,934
255+0,000			33	-	338,485	109	-	-	-	107	-	-	-	338,485	338,238	-0,247	107	3,600	338,130	-3,00%	109	8,090	337,906	-5,00%	33	8,092	337,902
255+18,257	PF	PFV	33	-0,000	338,140	109	-	-	-	107	-	-	-	338,140	337,906	-0,234	107	3,600	337,798	-3,00%	109	8,090	337,574	-5,00%	33	8,163	337,522

5.1.2.3. Ramo 300

Consórcio SA PAULISTA ASTEC ENGENHARIA

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Dispositivo Est. 35+0,000 - Ramo 300

Rodovia: BR-158/262-MS	Elementos do Projeto		LADO ESQUERDO											COTAS DE EIXO			LADO DIREITO										
			PLATAFORMA DE TERRAPLENAGEM														PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
300+0,000	PP	PPV	33	- 8,978	350,483	109	- 7,990	351,139	-5,00%	107	- 3,600	351,302	-3,00%	349,461	351,410	1,949	107	3,600	351,302	-3,00%	109	7,990	351,139	-5,00%	33	10,587	349,411
301+0,000		PCV	33	- 7,757	351,502	109	- 7,560	351,309	-5,00%	107	- 3,600	351,507	-3,00%	350,123	351,615	1,492	107	3,600	351,507	-3,00%	109	7,990	351,344	-5,00%	33	10,355	349,771
302+0,000			33	- 7,680	351,793	109	- 7,440	351,555	-5,00%	107	- 3,600	351,747	-3,00%	350,987	351,855	0,867	107	3,600	351,747	-3,00%	109	7,990	351,584	-5,00%	33	10,158	350,142
302+10,000			33	- 7,668	351,948	109	- 7,430	351,710	-5,00%	107	- 3,600	351,893	-3,00%	351,942	352,001	0,058	107	3,600	351,893	-3,00%	109	8,080	351,669	-5,00%	33	10,099	350,326
303+0,000			33	- 7,721	352,075	109	- 7,510	351,861	-5,00%	107	- 3,600	352,056	-3,00%	352,432	352,164	-0,268	107	3,600	352,056	-3,00%	109	7,990	351,893	-5,00%	33	9,746	350,725
304+0,000		PTV	33	- 7,752	352,433	109	- 7,560	352,237	-5,00%	107	- 3,600	352,435	-3,00%	352,848	352,543	-0,305	107	3,600	352,435	-3,00%	109	7,990	352,272	-5,00%	33	9,165	351,491
305+0,000			33	- 7,820	352,801	109	- 7,660	352,645	-5,00%	107	- 3,600	352,848	-3,00%	353,249	352,956	-0,293	107	3,600	352,848	-3,00%	109	7,640	352,692	-5,00%	33	8,071	352,334
306+0,000			33	- 7,916	353,150	109	- 7,820	353,050	-5,00%	107	- 3,600	353,261	-3,00%	353,669	353,369	-0,300	107	3,600	353,261	-3,00%	109	7,600	353,061	-5,00%	33	7,763	353,224
306+10,000		PIV	33	- 7,999	353,302	109	- 7,940	353,251	-5,00%	107	- 3,600	353,468	-3,00%	353,881	353,576	-0,306	107	3,600	353,468	-3,00%	109	7,600	353,268	-5,00%	33	7,865	353,533
307+0,000			33	- 7,957	353,562	109	- 7,880	353,486	-5,00%	107	- 3,600	353,700	-3,00%	354,095	353,808	-0,287	107	3,600	353,700	-3,00%	109	7,600	353,500	-5,00%	33	7,882	353,783
308+0,000			33	- 8,852	353,431	109	- 7,990	354,002	-5,00%	107	- 3,600	354,165	-3,00%	354,548	354,273	-0,275	107	3,600	354,165	-3,00%	109	7,600	353,965	-5,00%	33	7,992	354,358
309+0,000			33	- 8,641	354,036	109	- 7,990	354,467	-5,00%	107	- 3,600	354,630	-3,00%	355,026	354,738	-0,288	107	3,600	354,630	-3,00%	109	7,600	354,430	-5,00%	33	7,941	354,771
310+0,000			33	- 8,705	354,458	109	- 7,990	354,932	-5,00%	107	- 3,600	355,095	-3,00%	355,505	355,203	-0,302	107	3,600	355,095	-3,00%	109	7,600	354,895	-5,00%	33	7,842	355,138
311+0,000			33	- 7,616	355,350	109	- 7,640	355,404	-5,00%	107	- 3,600	355,560	-3,00%	356,019	355,668	-0,350	107	3,600	355,560	-3,00%	109	7,600	355,360	-5,00%	33	7,738	355,498
312+0,000			33	- 8,963	355,216	109	- 7,990	355,862	-5,00%	107	- 3,600	356,025	-3,00%	356,454	356,133	-0,321	107	3,600	356,025	-3,00%	109	7,600	355,825	-5,00%	33	7,880	356,105
313+0,000			33	- 9,261	355,482	109	- 7,990	356,327	-5,00%	107	- 3,600	356,490	-3,00%	356,900	356,598	-0,302	107	3,600	356,490	-3,00%	109	7,600	356,290	-5,00%	33	7,778	356,468
313+2,130	PF	PFV	33	- 8,077	356,322	109	- 7,990	356,377	-5,00%	107	- 3,600	356,540	-3,00%	356,948	356,648	-0,300	107	3,600	356,540	-3,00%	109	7,600	356,340	-5,00%	33	7,768	356,508

5.1.2.4. Ramo 400

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 35+0,000 - Ramo 400

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM											COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
402+4,555			33	- 10,500	350,155	109	- 10,500	351,744	4,00%	107	-	-	4,00%	350,305	351,326	1,021	109	4,460	351,147	-4,00%	33	5,620	350,370
402+8,008			33	- 13,276	349,990	109	- 12,230	351,727	4,00%	107	- 9,000	351,597	4,00%	350,205	351,237	1,032	109	4,460	351,059	-4,00%	33	5,599	350,296
403+0,000			33	- 14,949	349,672	109	- 12,230	351,482	4,00%	107	- 9,000	351,353	4,00%	349,971	350,993	1,022	109	4,460	350,815	-4,00%	33	5,563	350,076
403+5,000			33	- 14,985	349,575	109	- 12,230	351,409	4,00%	107	- 9,000	351,409	4,00%	349,899	350,920	1,021	109	4,460	350,741	-4,00%	33	5,549	350,012
403+7,371			33	- 15,003	349,534	109	- 12,230	351,380	4,00%	107	- 9,000	351,251	4,00%	350,891	350,891	0,000	109	4,460	350,712	-4,00%	33	5,450	349,986
403+19,147			33	- 13,110	349,323	109	- 12,220	351,293	4,00%	107	- 9,000	351,164	4,00%	349,733	350,804	1,071	109	4,450	350,626	-4,00%	33	5,561	349,888
404+0,000			33	- 12,690	349,317	109	- 12,230	351,290	4,00%	107	- 9,000	351,161	4,00%	349,718	350,801	1,083	109	4,460	350,623	-4,00%	33	5,565	349,883
404+2,283			33	- 10,500	349,339	109	- 10,500	351,216	4,00%	107	- 9,000	351,156	4,00%	349,681	350,796	1,115	109	4,460	350,618	-4,00%	33	5,585	349,864
404+9,305			33	- 9,000	349,349	109	- 9,000	351,156	3,92%	107	-	-	3,92%	349,659	350,803	1,144	109	4,430	350,657	-3,28%	33	5,548	349,847
404+12,283			33	- 7,599	349,344	109	- 7,600	351,167	4,61%	107	-	-	4,61%	349,660	350,817	1,156	109	4,420	350,686	-3,00%	33	5,677	349,849
404+14,743	CE		33	- 6,640	349,264	109	- 6,640	351,177	5,20%	107	-	-	5,20%	349,665	350,832	1,167	109	4,420	350,699	-3,00%	33	5,693	349,854
405+0,000			33	- 5,122	349,032	109	- 5,120	351,195	6,18%	107	-	-	6,18%	349,645	350,879	1,234	109	4,430	350,746	-3,00%	33	5,730	349,876
405+5,000		PTV	33	- 4,227	349,017	109	- 4,230	351,212	6,43%	107	-	-	6,43%	349,305	350,940	1,635	109	4,420	350,807	-3,00%	33	5,768	349,911
406+0,000		PIV	33	- 3,600	349,151	109	- 3,600	351,258	3,00%	107	-	-	3,00%	349,186	351,150	1,964	109	4,420	351,017	-3,00%	33	6,577	349,582
406+14,743	ET	PFV	33	- 3,600	349,461	109	- 3,600	351,410	3,00%	107	-	-	3,00%	349,402	351,302	1,900	109	4,420	351,469	-3,00%	33	7,061	349,411

5.1.2.5. Ramo 500

Consórcio ASTEC SA PAULISTA ENGENHARIA

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS

Dispositivo Est. 35+0,000 - Ramo 500

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM											COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
500+0,000	PP	PPV	33	- 3,600	349,461	109	- 3,600	351,410	3,00%	107	-	-	-	349,610	351,302	1,692	109	4,420	351,169	-3,00%	33	5,424	350,502
500+15,000		PIV	33	- 3,876	349,150	109	- 3,880	351,264	3,00%	107	-	-	-	349,165	351,147	1,982	109	4,420	351,015	-3,00%	33	6,691	349,504
501+0,000			33	- 4,252	349,099	109	- 4,250	351,245	3,00%	107	-	-	-	349,060	351,117	2,057	109	4,420	351,042	-3,00%	33	6,887	349,343
502+0,000			33	- 6,170	349,175	109	- 6,170	351,183	3,00%	107	-	-	-	348,895	350,997	2,103	109	4,420	350,865	-3,00%	33	7,832	348,593
502+5,949	TE		33	- 6,740	349,345	109	- 6,740	351,164	3,00%	107	-	-	-	348,846	350,962	2,116	109	4,420	350,829	-3,00%	33	7,831	348,558
502+8,624			33	- 6,999	349,350	109	- 7,000	351,156	3,00%	107	-	-	-	348,824	350,946	2,122	109	4,420	350,813	-3,00%	33	7,831	348,542
502+10,000		PCV	33	- 7,407	349,351	109	- 7,410	351,160	3,00%	107	-	-	-	348,812	350,937	2,125	109	4,430	350,805	-3,00%	33	7,832	348,534
502+16,929			33	- 5,000	349,169	109	- 5,000	351,030	3,00%	107	-	-	-	348,887	350,880	1,993	109	4,430	350,747	-3,00%	33	7,807	348,493
503+0,000			33	- 10,622	349,319	109	- 10,260	351,152	3,00%	107	- 7,000	351,054	3,00%	348,869	350,844	1,975	109	4,420	350,711	-3,00%	33	7,729	348,508
503+0,679			33	- 10,892	349,323	109	- 10,260	351,143	3,00%	107	- 7,000	351,045	3,00%	348,864	350,835	1,971	109	4,420	350,703	-3,00%	33	7,695	348,522
503+10,000			33	- 12,817	349,286	109	- 10,260	350,992	3,00%	107	- 7,000	350,894	3,00%	348,772	350,684	1,912	109	4,420	350,552	-3,00%	33	7,419	348,555
503+15,949			33	- 12,756	349,200	109	- 10,260	350,865	3,00%	107	- 7,000	350,768	3,00%	348,736	350,558	1,822	109	4,420	350,425	-3,00%	33	7,501	348,373
504+0,000			33	- 12,757	349,134	109	- 10,250	350,807	3,41%	107	- 7,000	350,696	3,41%	348,672	350,458	1,785	109	4,440	350,307	-3,41%	33	7,490	348,271
504+5,949	EC		33	- 12,751	349,022	109	- 10,230	350,701	4,00%	107	- 7,000	350,571	4,00%	348,568	350,291	1,723	109	4,460	350,113	-4,00%	33	7,413	348,141
504+10,000		PCRV	33	- 12,638	348,971	109	- 10,230	350,574	4,00%	107	- 7,000	350,445	4,00%	348,488	350,165	1,677	109	4,460	349,986	-4,00%	33	7,339	348,063
505+0,000			33	- 11,662	348,764	109	- 10,230	350,266	4,00%	107	- 7,000	350,137	4,00%	348,262	349,857	1,595	109	4,460	349,679	-4,00%	33	7,201	347,848
505+0,290			33	- 11,565	349,370	109	- 10,230	350,258	4,00%	107	- 7,000	350,129	4,00%	348,255	349,849	1,594	109	4,460	349,671	-4,00%	33	7,224	347,841
505+3,200			33	- 10,638	348,651	109	- 10,230	350,176	4,00%	107	- 7,000	350,047	4,00%	348,181	349,767	1,586	109	4,450	349,590	-4,00%	33	7,152	347,791
505+5,000			33	- 8,500	348,514	109	- 8,490	350,058	4,00%	107	- 7,000	349,998	4,00%	348,134	349,718	1,584	109	4,460	349,539	-4,00%	33	7,121	347,762
505+8,554			33	- 8,500	348,428	109	- 8,500	349,965	4,00%	107	- 7,000	349,905	4,00%	348,052	349,624	1,572	109	4,450	349,448	-4,00%	33	7,061	347,709

5.1.2.6. Ramo 600

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 35+0,000 - Ramo 600																				
ESTACA			LADO ESQUERDO							COTAS DE EIXO			LADO DIREITO										
			PLATAFORMA DE TERRAPLENAGEM										PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
602+5,265			33	- 7,659	341,649	109	- 3,420	344,472	-3,00%	341,655	344,575	2,920	107	11,000	344,905	3,00%	109	12,000	344,934	3,00%	33	12,000	343,258
602+7,257			33	- 7,663	341,631	109	- 3,420	344,458	-2,92%	341,473	344,558	3,085	107	11,000	344,879	2,92%	109	13,760	344,960	2,92%	33	16,480	343,146
602+12,975			33	- 7,636	341,633	109	- 3,390	344,460	-2,68%	341,372	344,538	3,166	107	11,000	344,833	2,68%	109	13,770	344,908	2,68%	33	18,238	341,926
602+15,000			33	- 7,613	341,652	109	- 3,410	344,452	-2,60%	341,434	344,541	3,107	107	11,000	344,827	2,60%	109	13,770	344,899	2,60%	33	19,146	341,313
602+17,643			33	- 7,521	341,726	109	- 3,410	344,467	-2,49%	341,430	344,552	3,122	107	11,000	344,825	2,49%	109	13,770	344,894	2,49%	33	19,408	341,136
603+0,000			33	- 7,352	341,856	109	- 3,390	344,495	-2,39%	341,710	344,568	2,859	107	11,000	344,831	2,39%	109	13,890	344,818	2,39%	33	19,013	341,405
603+7,451			33	- 6,819	342,313	109	- 3,400	344,595	-2,08%	341,841	344,666	2,825	107	11,000	344,895	2,08%	109	13,780	344,953	2,08%	33	16,488	343,149
603+9,481			33	- 5,789	343,040	109	- 3,390	344,636	-2,00%	343,137	344,704	1,567	107	11,000	344,924	2,00%	109	12,000	344,943	2,00%	33	12,000	343,312

5.1.2.7. Ramo 700

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 35+0,000 - Ramo 700																				
ESTACA			LADO ESQUERDO							COTAS DE EIXO			LADO DIREITO										
			PLATAFORMA DE TERRAPLENAGEM										PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
701+19,238			33	- 4,025	356,717	109	- 3,390	357,137	-3,00%	356,826	357,220	0,394	107	11,000	357,550	3,00%	109	12,000	357,581	3,00%	33	12,000	356,905
702+0,000			33	- 4,026	356,725	109	- 3,430	357,126	-3,02%	356,838	357,229	0,392	107	11,000	357,561	3,02%	109	13,760	357,644	3,02%	33	14,804	356,947
702+1,031			33	- 4,027	356,736	109	- 3,430	357,137	-3,04%	356,866	357,242	0,376	107	11,000	357,576	3,04%	109	13,760	357,600	3,04%	33	14,713	357,023
702+10,853			33	- 4,085	356,765	109	- 3,430	357,201	-3,25%	356,862	357,313	0,451	107	11,000	357,670	3,25%	109	13,750	357,759	3,25%	33	14,552	357,226
702+15,000			33	- 4,134	356,737	109	- 3,440	357,203	-3,34%	356,857	357,318	0,461	107	11,000	357,685	3,34%	109	13,750	357,789	3,34%	33	14,638	357,184
703+0,000			33	- 4,208	356,673	109	- 3,440	357,187	-3,44%	356,775	357,305	0,530	107	11,000	357,684	3,44%	109	13,750	357,778	3,44%	33	14,749	357,110
703+0,616			33	- 4,218	356,663	109	- 3,440	357,183	-3,46%	356,704	357,302	0,598	107	11,000	357,682	3,46%	109	13,750	357,777	3,46%	33	14,767	357,097
703+2,708			33	- 4,251	356,627	109	- 3,440	357,169	-3,50%	356,715	357,290	0,575	107	11,000	357,674	3,50%	109	12,000	357,709	3,50%	33	12,000	356,981

5.1.3.Interseção Est.515+0,000

5.1.3.1. Ramo 100

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 515+0,000 - Ramo 100																					
			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
102+8,139			33	- 7,500	360,121	109	- 7,500	370,927	4,00%	107	- 6,500	370,887	4,00%	359,909	370,627	10,717	109	4,490	370,402	-5,00%	33	25,703	359,324
102+10,000	EC		33	- 7,500	360,098	109	- 7,500	370,882	4,26%	107	- 6,500	370,840	4,26%	359,889	370,563	10,674	109	4,490	370,338	-5,00%	33	25,639	359,304
102+13,002			33	- 10,314	360,137	109	- 9,210	370,890	4,69%	107	- 6,500	370,760	4,69%	359,853	370,455	10,602	109	4,490	370,229	-5,00%	33	25,528	359,269
103+0,000			33	- 13,022	359,975	109	- 9,190	370,702	5,69%	107	- 6,500	370,549	5,69%	359,863	370,180	10,317	109	4,510	369,923	-5,69%	33	25,218	359,184
103+2,209			33	- 14,036	359,917	109	- 9,190	370,637	6,00%	107	- 6,500	370,476	6,00%	359,809	370,086	10,277	109	4,520	369,815	-6,00%	33	25,109	359,155
103+5,000		PTV	33	- 15,411	359,841	109	- 9,190	370,514	6,00%	107	- 6,500	370,353	6,00%	359,741	369,963	10,222	109	4,520	369,692	-6,00%	33	24,981	358,117
104+0,000			33	- 21,000	359,403	109	- 9,190	369,840	6,00%	107	- 6,500	369,679	6,00%	359,313	369,289	9,976	109	4,520	369,017	-6,00%	33	24,080	359,043
105+0,000			33	- 29,692	358,337	109	- 9,190	388,940	6,00%	107	- 6,500	368,779	6,00%	359,196	368,389	9,194	109	4,520	368,118	-6,00%	33	22,890	359,938
106+0,000			33	- 21,000	357,450	109	- 9,190	368,041	6,00%	107	- 6,500	367,880	6,00%	357,717	367,490	9,773	109	4,520	367,219	-6,00%	33	22,447	358,334
107+0,000			33	- 13,651	357,174	109	- 9,190	367,142	6,00%	107	- 6,500	366,981	6,00%	357,424	366,591	9,167	109	4,520	366,320	-6,00%	33	21,546	358,035
108+0,000			33	- 10,805	357,110	109	- 9,190	366,243	6,00%	107	- 6,500	366,081	6,00%	357,318	365,691	8,373	109	4,520	365,420	-6,00%	33	20,510	357,827
108+4,268			33	- 10,793	357,095	109	- 9,190	366,051	6,00%	107	- 6,500	365,889	6,00%	365,499	365,499	0,000	109	4,520	365,228	-6,00%	33	15,860	357,668
109+0,000			33	- 12,543	357,224	109	- 9,190	365,343	6,00%	107	- 6,500	365,182	6,00%	357,355	364,792	7,437	109	4,520	364,521	-6,00%	33	14,843	357,638
110+0,000			33	- 19,429	357,615	109	- 9,190	364,444	6,00%	107	- 6,500	364,283	6,00%	357,734	363,893	6,159	109	4,520	363,622	-6,00%	33	12,866	358,057
110+15,000		PCV	33	- 17,778	358,041	109	- 9,190	363,769	6,00%	107	- 6,500	363,608	6,00%	358,129	363,218	5,090	109	4,520	362,942	-6,00%	33	11,349	358,394
111+0,000			33	- 17,037	358,319	109	- 9,190	363,553	6,00%	107	- 6,500	363,392	6,00%	358,238	363,002	4,764	109	4,520	362,730	-6,00%	33	10,955	358,440
112+0,000			33	- 14,859	359,066	109	- 9,190	362,849	6,00%	107	- 6,500	362,688	6,00%	358,851	362,298	3,446	109	4,520	362,026	-6,00%	33	9,623	358,624
113+0,000			33	- 13,477	359,544	109	- 9,190	362,405	6,00%	107	- 6,500	362,244	6,00%	359,354	361,854	2,499	109	4,520	361,583	-6,00%	33	8,183	359,140
113+4,466			33	- 13,151	359,698	109	- 9,190	362,341	6,00%	107	- 6,500	362,180	6,00%	359,428	361,790	2,362	109	4,520	361,519	-6,00%	33	7,863	359,290
113+14,959			33	- 10,157	360,298	109	- 9,220	362,105	4,51%	107	- 6,474	361,984	4,51%	359,602	361,692	2,090	109	4,490	361,469	-5,00%	33	7,287	359,601
113+18,536	CE		33	- 7,500	360,303	109	- 7,500	361,975	4,00%	107	- 6,500	361,935	4,00%	359,718	361,675	1,957	109	4,490	361,451	-5,00%	33	7,211	359,634
114+0,000			33	- 7,500	360,397	109	- 7,500	361,964	3,92%	107	- 6,500	361,925	3,92%	359,773	361,670	1,897	109	4,490	361,446	-5,00%	33	7,183	359,648
114+2,126			33	- 7,500	360,668	109	- 7,500	361,951	3,80%	107	- 6,500	361,913	3,80%	359,850	361,666	1,816	109	4,490	361,442	-5,00%	33	7,145	359,669

5.1.3.2. Ramo 200

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 515+0,000 - Ramo 200																					
			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
202+5,652			33	- 7,500	364,987	109	- 7,500	364,334	4,00%	107	- 6,500	364,294	4,00%	364,571	364,034	-0,537	109	4,000	463,834	-5,00%	33	4,654	364,488
202+10,000	EC		33	- 9,869	365,208	109	- 9,140	364,480	4,00%	107	- 6,500	364,374	4,00%	364,620	364,114	-0,506	109	4,000	363,914	-5,00%	33	4,700	364,614
202+10,758			33	- 9,901	365,262	109	- 9,150	364,506	4,10%	107	- 6,500	364,395	4,10%	364,647	364,128	-0,519	109	4,000	363,927	-5,00%	33	4,697	364,625
203+0,000			33	- 9,540	365,168	109	- 9,170	364,794	5,42%	107	- 6,500	364,649	5,42%	364,945	364,297	-0,648	109	4,000	364,086	-5,42%	33	4,622	364,709
203+4,070			33	- 9,538	365,285	109	- 9,180	364,922	6,00%	107	- 6,500	364,761	6,00%	364,945	364,371	-0,573	109	3,990	364,132	-6,00%	33	4,567	364,714
204+0,000			33	- 9,257	365,166	109	- 9,190	365,214	6,00%	107	- 6,500	365,053	6,00%	364,779	364,663	-0,116	109	4,100	364,441	-6,00%	33	4,238	364,579
205+0,000			33	- 10,949	364,405	109	- 9,190	365,580	6,00%	107	- 6,500	365,419	6,00%	364,022	365,029	1,007	109	4,520	364,758	-6,00%	33	5,823	363,889
205+15,000		PCV	33	- 11,703	364,177	109	- 9,190	365,855	6,00%	107	- 6,500	365,694	6,00%	363,925	365,304	1,378	109	4,520	365,032	-6,00%	33	6,386	363,788
206+0,000			33	- 12,159	363,970	109	- 9,190	365,952	6,00%	107	- 6,500	365,790	6,00%	363,751	365,400	1,650	109	4,520	365,129	-6,00%	33	6,789	363,616
206+12,013			33	- 12,423	363,491	109	- 9,190	366,229	6,00%	107	- 6,500	366,068	6,00%	363,261	365,678	2,417	109	4,520	365,406	-6,00%	33	7,909	363,147
207+0,000			33	- 13,779	363,185	109	- 9,190	366,448	6,00%	107	- 6,500	366,286	6,00%	362,991	365,896	2,905	109	4,520	365,625	-6,00%	33	8,620	362,892
207+5,000			33	- 14,715	362,913	109	- 9,170	366,588	6,00%	107	- 6,500	366,438	6,00%	362,813	366,048	3,235	109	4,520	365,777	-6,00%	33	9,072	362,741
208+0,000			33	- 16,664	362,132	109	- 9,190	367,117	6,00%	107	- 6,500	366,956	6,00%	362,237	366,566	4,329	109	4,520	366,295	-6,00%	33	10,543	362,279
208+15,000		PTV	33	- 18,762	361,348	109	- 9,190	367,733	6,00%	107	- 6,500	367,572	6,00%	361,640	367,182	5,542	109	4,520	366,911	-6,00%	33	12,015	361,913
209+0,000			33	- 19,526	361,061	109	- 9,190	367,954	6,00%	107	- 6,500	367,793	6,00%	361,413	367,403	5,990	109	4,520	367,132	-6,00%	33	12,473	361,830
209+19,956			33	- 15,498	360,627	109	- 9,190	368,839	6,00%	107	- 6,500	368,678	6,00%	360,961	368,288	7,327	109	4,520	368,016	-6,00%	33	14,158	361,590
210+0,000			33	- 15,473	360,626	109	- 9,190	368,840	5,99%	107	- 6,500	368,679	5,99%	360,961	368,289	7,329	109	4,520	368,018	-5,99%	33	14,162	361,590
210+12,657			33	- 10,000	360,477	109	- 9,230	369,221	4,20%	107	- 6,500	369,123	4,20%	361,005	368,850	7,845	109	4,490	368,625	-5,00%	33	14,927	361,666
210+14,025	CE		33	- 9,551	360,424	109	- 9,230	369,280	4,00%	107	- 6,500	369,171	4,00%	360,973	368,911	7,938	109	4,490	368,687	-5,00%	33	14,968	361,699
210+19,909			33	- 7,500	360,311	109	- 7,500	369,472	4,00%	107	- 6,500	369,432	4,00%	360,748	369,172	8,423	109	4,490	368,947	-5,00%	33	15,122	361,857

5.1.3.3. Ramo 300

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 515+0,000 - Ramo 300																					
			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
302+10,579			33	- 7,500	363,053	109	- 7,500	371,198	4,01%	107	- 6,500	371,158	4,01%	363,292	370,897	7,605	109	4,490	370,673	-5,00%	33	15,018	363,652
302+15,308			33	- 10,075	363,167	109	- 9,220	371,166	4,68%	107	- 6,500	371,043	4,68%	363,436	370,739	7,303	109	4,480	370,516	-5,00%	33	14,647	363,741
303+0,000		PTV	33	- 11,825	363,311	109	- 9,200	371,053	5,35%	107	- 6,500	370,908	5,35%	363,616	370,561	6,945	109	4,500	370,320	-5,35%	33	14,211	363,845
303+4,589			33	- 13,877	363,466	109	- 9,190	370,927	6,00%	107	- 6,500	370,766	6,00%	363,764	370,376	6,612	109	4,520	370,105	-6,00%	33	13,744	363,955
304+0,000			33	- 18,251	364,264	109	- 9,190	370,308	6,00%	107	- 6,500	370,146	6,00%	364,324	369,756	5,432	109	4,520	369,485	-6,00%	33	12,141	363,404
305+0,000			33	- 15,341	365,400	109	- 9,190	369,503	6,00%	107	- 6,500	369,342	6,00%	365,237	368,952	3,715	109	4,520	368,681	-6,00%	33	9,872	365,113
306+0,000			33	- 12,556	366,452	109	- 9,190	368,699	6,00%	107	- 6,500	368,538	6,00%	366,098	368,148	2,050	109	4,520	367,877	-6,00%	33	7,570	365,843
307+0,000			33	- 10,360	367,112	109	- 9,190	367,895	6,00%	107	- 6,500	367,734	6,00%	366,672	367,344	0,672	109	4,520	367,072	-6,00%	33	5,484	366,429
307+10,715			33	- 9,427	367,317	109	- 9,190	367,464	6,00%	107	- 6,500	367,303	6,00%	366,866	366,913	0,047	109	4,480	366,644	-6,00%	33	4,494	466,658
308+0,000			33	- 9,475	367,389	109	- 9,720	367,090	6,00%	107	- 6,500	366,929	6,00%	366,953	366,539	-0,414	109	3,990	366,300	-6,00%	33	4,435	366,750
309+0,000			33	- 10,115	367,225	109	- 9,720	366,286	6,00%	107	- 6,500	366,125	6,00%	366,775	365,735	-1,040	109	3,990	356,496	-6,00%	33	5,045	366,555
310+0,000			33	- 10,302	366,608	109	- 9,180	365,481	6,00%	107	- 6,500	365,321	6,00%	366,258	364,931	-1,327	109	3,990	364,692	-6,00%	33	5,369	366,075
311+0,000		PCV	33	- 10,247	365,749	109	- 9,180	364,677	6,00%	107	- 6,500	364,517	6,00%	365,545	364,127	-1,418	109	3,990	363,888	-6,00%	33	5,534	365,435
311+17,361			33	- 9,687	363,725	109	- 9,190	364,059	6,00%	107	- 6,500	363,898	6,00%	364,600	363,508	-1,092	109	3,990	363,269	-6,00%	33	5,388	364,671
312+0,000			33	- 9,451	363,774	109	- 9,200	363,945	5,62%	107	- 6,500	363,793	5,62%	364,411	363,428	-0,983	109	3,990	363,203	-5,00%	33	5,303	364,515
312+10,000			33	- 9,314	363,712	109	- 9,140	363,542	4,20%	107	- 6,500	363,431	4,20%	363,433	363,157	-0,276	109	4,000	362,957	-5,00%	33	4,747	363,704
312+11,431	CE		33	- 9,331	363,679	109	- 9,140	363,489	4,00%	107	- 6,500	363,383	4,00%	363,459	363,123	-0,336	109	4,000	362,940	-5,00%	33	4,651	363,574
312+16,385			33	- 7,500	363,519	109	- 7,500	363,312	4,00%	107	- 6,500	363,272	4,00%	363,474	363,012	-0,461	109	4,000	362,812	-5,00%	33	4,543	363,355
312+16,445			33	- 7,502	363,517	109	- 7,500	363,312	4,00%	107	- 6,500	363,271	4,00%	363,473	363,011	-0,462	109	4,000	362,181	-5,00%	33	4,543	363,354

5.1.3.4. Ramo 400

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 515+0,000 - Ramo 400																					
			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
402+5,845			33	- 7,500	360,027	109	- 7,500	361,885	4,00%	107	- 6,500	361,845	4,00%	360,518	361,585	1,067	109	4,490	361,361	-5,00%	33	5,056	360,981
402+10,000	EC		33	- 9,831	359,797	109	- 9,230	361,980	4,00%	107	- 6,500	361,871	4,00%	360,695	361,611	0,916	109	4,490	361,387	-5,00%	33	4,873	361,129
402+10,928			33	- 10,148	359,855	109	- 9,230	362,001	4,13%	107	- 6,500	361,890	4,13%	360,739	361,620	0,881	109	4,480	361,397	-5,00%	33	4,828	361,168
403+0,000			33	- 11,906	360,462	109	- 9,200	362,266	5,42%	107	- 6,500	362,120	5,42%	361,247	361,767	0,520	109	4,500	361,523	-5,42%	33	5,402	360,922
403+4,070			33	- 11,681	360,757	109	- 9,190	362,420	6,00%	107	- 6,500	362,259	6,00%	361,089	361,869	0,780	109	4,520	361,598	-6,00%	33	6,275	360,428
404+0,000			33	- 13,901	359,887	109	- 9,190	363,031	6,00%	107	- 6,500	362,870	6,00%	359,592	362,480	2,888	109	4,520	362,209	-6,00%	33	8,179	359,769
404+5,000		PTV	33	- 14,877	359,498	109	- 9,190	363,293	6,00%	107	- 6,500	363,131	6,00%	359,995	362,741	2,746	109	4,520	362,470	-6,00%	33	8,179	360,030
405+0,000			33	- 14,258	360,746	109	- 9,190	364,127	6,00%	107	- 6,500	363,966	6,00%	360,641	363,576	2,935	109	4,520	363,304	-6,00%	33	8,552	360,616
406+0,000			33	- 12,883	361,044	109	- 9,190	365,239	6,00%	107	- 6,500	365,078	6,00%	360,939	364,688	3,749	109	4,520	364,417	-6,00%	33	9,855	360,859
406+15,504			33	- 10,695	361,274	109	- 9,190	366,101	6,00%	107	- 6,500	365,940	6,00%	361,157	365,550	4,393	109	4,520	365,279	-6,00%	33	10,718	361,147
407+0,000			33	- 10,642	361,333	109	- 9,190	366,351	6,00%	107	- 6,500	366,190	6,00%	361,243	365,800	4,557	109	4,520	365,529	-6,00%	33	10,992	361,214
408+0,000			33	- 13,707	361,847	109	- 9,190	367,464	6,00%	107	- 6,500	367,303	6,00%	361,654	366,913	5,259	109	4,520	366,641	-6,00%	33	12,210	361,514
409+0,000			33	- 18,317	362,488	109	- 9,190	368,576	6,00%	107	- 6,500	368,415	6,00%	362,100	368,025	5,924	109	4,520	367,754	-6,00%	33	13,461	361,793
410+0,000			33	- 19,077	363,094	109	- 9,190	369,688	6,00%	107	- 6,500	369,527	6,00%	362,499	369,137	6,638	109	4,520	368,866	-6,00%	33	14,729	362,059
410+6,939			33	- 16,126	363,131	109	- 9,190	370,074	6,00%	107	- 6,500	369,913	6,00%	362,575	369,523	6,948	109	4,520	369,252	-6,00%	33	15,240	362,104
411+0,000			33	- 10,173	363,027	109	- 9,230	370,632	4,14%	107	- 6,500	370,519	4,14%	362,773	370,249	7,477	109	4,490	370,025	-5,00%	33	21,189	361,957
411+1,008	CE		33	- 9,840	363,020	109	- 9,230	370,675	4,00%	107	- 6,500	370,565	4,00%	362,806	370,305	7,499	109	4,490	370,081	-5,00%	33	21,277	361,954
411+6,731			33	- 7,500	362,947	109	- 7,500	370,924	4,00%	107	- 6,500	370,884	4,00%	362,739	370,624	7,885	109	4,490	370,399	-5,00%	33	21,788	361,932

5.1.3.5. Ramo 500

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 515+0,000 - Ramo 500																					
			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
503+8,132			33	-6,000	365,520	109	-6,000	367,689	5,70%	107	-5,000	367,632	5,70%	365,449	367,347	1,897	109	4,510	367,090	-5,70%	33	7,065	365,386
503+14,694			33	-8,166	365,379	109	-7,690	367,730	5,70%	107	-5,000	367,576	5,70%	365,279	367,291	2,012	109	4,510	367,034	-5,70%	33	7,301	365,164
504+0,000			33	-9,009	365,231	109	-7,690	367,684	5,70%	107	-5,000	367,531	5,70%	365,108	367,246	2,138	109	4,510	366,989	-5,70%	33	7,528	364,976
505+0,000			33	-12,101	364,576	109	-7,690	367,515	5,70%	107	-5,000	367,361	5,70%	364,383	367,076	2,694	109	4,510	366,819	-5,70%	33	8,401	364,225
505+4,236			33	-12,286	364,416	109	-7,690	367,479	5,70%	107	-5,000	367,325	5,70%	364,220	367,040	2,820	109	4,510	366,783	-5,70%	33	8,600	364,056
506+0,000			33	-12,804	363,938	109	-7,690	367,345	5,70%	107	-5,000	367,191	5,70%	363,683	366,906	3,224	109	4,510	366,649	-5,70%	33	9,182	363,534
507+0,000			33	-13,667	363,193	109	-7,690	367,175	5,70%	107	-5,000	367,022	5,70%	363,049	366,737	3,688	109	4,510	366,480	-5,70%	33	9,797	362,955
507+8,472	CE		33	-14,042	362,870	109	-7,690	367,103	5,70%	107	-5,000	366,950	5,70%	362,777	366,665	3,888	109	4,510	366,408	-5,70%	33	10,021	362,733
507+14,472			33	-14,074	362,636	109	-7,760	366,847	3,00%	107	-5,000	366,764	3,00%	362,593	366,614	4,021	109	4,490	366,390	-5,00%	33	10,249	362,548
508+0,000			33	-14,267	362,461	109	-7,760	366,800	3,00%	107	-5,000	366,717	3,00%	362,439	366,567	4,128	109	4,490	366,343	-5,00%	33	10,449	362,368
508+0,472			33	-14,282	362,447	109	-7,760	366,796	3,00%	107	-5,000	366,713	3,00%	362,426	366,563	4,137	109	4,490	366,339	-5,00%	33	10,466	362,352
508+5,000		PCV	33	-14,426	362,312	109	-7,760	366,757	3,00%	107	-5,000	366,675	3,00%	362,299	366,525	4,225	109	4,490	366,300	-5,00%	33	10,579	362,239
508+12,472			33	-13,410	362,091	109	-7,760	366,683	3,00%	107	-5,000	366,600	3,00%	362,126	366,450	4,324	109	4,490	366,226	-5,00%	33	10,678	362,098
509+0,000			33	-11,424	361,903	109	-7,760	366,586	3,00%	107	-5,000	366,503	3,00%	361,954	366,353	4,399	109	4,490	366,129	-5,00%	33	10,749	361,953
509+10,472			33	-9,616	361,662	109	-7,760	366,413	3,00%	107	-5,000	366,330	3,00%	361,712	366,180	4,468	109	4,490	365,956	-5,00%	33	10,703	361,812
509+15,000			33	-9,148	361,558	109	-7,760	366,325	3,00%	107	-5,000	366,242	-3,00%	361,610	366,092	4,482	109	4,490	365,868	-5,00%	33	10,669	361,746
510+0,000			33	-8,845	361,442	109	-7,760	366,218	3,00%	107	-5,000	366,136	3,00%	361,537	365,986	4,449	109	4,490	365,761	-5,00%	33	10,618	361,674
510+2,472			33	-8,774	361,388	109	-7,760	366,162	3,00%	107	-5,000	366,079	3,00%	361,501	365,929	4,428	109	4,490	365,705	-5,00%	33	10,588	361,637
510+8,472	ET		33	-8,813	361,316	109	-7,760	366,015	3,00%	107	-5,000	365,932	3,00%	361,416	365,782	4,366	109	4,490	365,558	-5,00%	33	10,500	361,549
511+0,000			33	-9,692	361,187	109	-7,760	365,693	3,00%	107	-5,000	365,610	3,00%	361,297	365,460	4,163	109	4,490	365,236	-5,00%	33	10,092	361,499
511+5,000		PTV	33	-10,402	361,126	109	-7,760	365,537	3,00%	107	-5,000	365,454	3,00%	361,246	365,304	4,058	109	4,490	365,080	-5,00%	33	9,856	361,500
512+0,000			33	-13,755	360,940	109	-7,760	365,054	3,00%	107	-5,000	364,972	3,00%	361,255	364,822	3,566	109	4,490	364,597	-5,00%	33	9,127	361,504
512+6,077	TE		33	-13,627	360,946	109	-7,760	364,859	3,00%	107	-5,000	364,776	3,00%	361,258	364,626	3,368	109	4,490	364,402	-5,00%	33	8,840	361,500
512+12,077			33	-13,324	360,955	109	-7,760	364,666	3,00%	107	-5,000	364,583	3,00%	361,260	364,433	3,173	109	4,490	364,209	-5,00%	33	8,497	361,535
513+0,000			33	-12,938	360,957	109	-7,760	364,411	3,00%	107	-5,000	364,328	3,00%	361,307	364,178	2,871	109	4,490	363,954	-5,00%	33	8,047	361,580
513+4,077			33	-13,016	360,774	109	-7,760	364,279	3,00%	107	-5,000	364,197	3,00%	361,306	364,047	2,741	109	4,490	363,822	-5,00%	33	7,869	361,567
514+0,000			33	-12,870	360,359	109	-7,760	363,767	3,00%	107	-5,000	363,684	3,00%	361,107	363,534	2,427	109	4,490	363,310	-5,00%	33	7,159	361,528
514+2,077			33	-12,847	360,308	109	-7,760	363,700	3,00%	107	-5,000	363,617	3,00%	361,067	363,467	2,400	109	4,490	363,243	-5,00%	33	7,119	361,488
514+14,077			33	-11,618	360,741	109	-7,760	363,314	3,00%	107	-5,000	363,231	3,00%	361,193	363,081	1,888	109	4,490	362,857	-5,00%	33	6,493	361,519
514+17,000		PCV	33	-11,363	360,817	109	-7,760	363,220	3,00%	107	-5,000	363,137	3,00%	361,239	362,987	1,748	109	4,490	362,763	-5,00%	33	6,337	361,529
515+0,000			33	-11,103	360,896	109	-7,760	363,126	3,00%	107	-5,000	363,043	3,00%	361,263	362,893	1,630	109	4,490	362,669	-5,00%	33	6,178	361,541
515+0,077			33	-11,097	360,898	109	-7,760	363,124	3,00%	107	-5,000	363,041	3,00%	361,264	362,891	1,628	109	4,490	362,667	-5,00%	33	6,174	361,542
515+6,077	EC		33	-10,879	361,054	109	-7,690	363,183	6,00%	107	-5,000	363,022	6,00%	361,350	362,722	1,372	109	4,520	362,451	-6,00%	33	5,833	361,575
516+0,000			33	-9,927	361,387	109	-7,690	363,881	6,00%	107	-5,000	362,720	6,00%	361,706	362,420	0,714	109	4,520	362,149	-6,00%	33	4,984	361,839
516+18,951			33	-8,603	362,063	109	-7,690	362,675	6,00%	107	-5,000	362,514	6,00%	362,126	362,214	0,088	109	3,990	361,975	-6,00%	33	4,453	362,442
517+0,000			33	-8,519	362,115	109	-7,690	362,670	6,00%	107	-5,000	362,509	6,00%	362,142	362,209	0,067	109	3,990	361,970	-6,00%	33	4,490	362,474
517+6,083			33	-8,055	362,412	109	-7,690	362,658	6,00%	107	-5,000	362,497	6,00%	362,263	362,197	-0,066	109	3,990	361,958	-6,00%	33	4,572	362,545
517+7,000			33	-7,995	362,452	109	-7,690	362,659	6,00%	107	-5,000	362,498	6,00%	362,297	362,197	-0,099	109	3,990	361,959	-6,00%	33	4,583	362,556
517+11,355			33	-7,795	362,595	109	-7,690	362,668	6,00%	107	-5,000	362,506	6,00%	362,458	362,206	-0,252	109	3,990	361,968	-6,00%	33	4,634	362,615
518+0,000			33	-6,000	362,793	109	-6,000	362,621	6,00%	107	-5,000	362,561	6,00%	362,782	362,261	-0,521	109	3,990	362,021	-6,00%	33	4,771	362,807
518+4,232			33	-6,000	362,815	109	-6,000	362,665	6,00%	107	-5,000	362,605	6,00%	362,941	362,305	-0,636	109	3,990	362,066	-6,00%	33	4,882	362,962

5.1.3.6. Ramo 600

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 515+0,000 - Ramo 600

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM												COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista								Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
603+11,327			33	-6,000	363,192	109	-6,000	363,166	6,00%	107	-5,000	363,106	6,00%	363,150	362,806	-0,344	109	3,990	362,567	-6,00%	33	4,543	363,124
604+0,000			33	-7,764	362,992	109	-7,690	363,044	6,00%	107	-5,000	362,883	6,00%	362,914	362,583	-0,331	109	3,990	362,343	-6,00%	33	4,482	362,839
604+0,510			33	-7,770	362,975	109	-7,680	363,032	6,00%	107	-5,000	362,871	6,00%	362,891	362,570	-0,321	109	3,990	362,331	-6,00%	33	4,477	362,822
604+2,364	CE		33	-7,804	362,909	109	-7,690	362,988	6,00%	107	-5,000	362,826	6,00%	362,808	362,526	-0,281	109	3,990	362,287	-6,00%	33	4,459	362,761
605+0,000			33	-8,113	362,242	109	-7,730	362,498	4,24%	107	-5,000	362,383	4,24%	362,253	362,171	-0,082	109	3,870	361,962	-5,41%	33	4,102	362,193
605+12,364			33	-8,441	361,766	109	-7,760	362,221	3,00%	107	-5,000	362,139	3,00%	361,669	361,989	0,319	109	4,490	361,764	-5,00%	33	4,723	361,607
606+0,000			33	-8,843	361,413	109	-7,760	362,136	3,00%	107	-5,000	362,053	3,00%	361,305	361,903	0,598	109	4,490	361,679	-5,00%	33	5,142	361,242
606+2,364			33	-8,981	361,299	109	-7,760	362,114	3,00%	107	-5,000	362,031	3,00%	361,192	361,881	0,690	109	4,490	361,657	-5,00%	33	5,189	361,188
606+10,000			33	-9,316	361,018	109	-7,760	362,056	3,00%	107	-5,000	361,973	3,00%	361,031	361,823	0,793	109	4,490	361,599	-5,00%	33	5,328	361,038
607+0,000			33	-9,552	360,817	109	-7,760	362,012	3,00%	107	-5,000	361,930	3,00%	360,832	361,780	0,947	109	4,490	361,555	-5,00%	33	5,681	360,759
607+2,364	ET		33	-9,617	360,768	109	-7,760	362,007	3,00%	107	-5,000	361,924	3,00%	360,786	361,774	0,989	109	4,490	361,550	-5,00%	33	6,095	360,478
607+7,231			33	-9,761	360,668	109	-7,760	362,003	3,00%	107	-5,000	362,920	3,24%	360,673	361,770	1,097	109	4,490	361,546	-5,00%	33	6,958	359,898
608+0,000			33	-10,568	360,159	109	-7,760	362,032	3,00%	107	-5,000	361,949	3,00%	359,490	361,799	2,309	109	4,490	361,575	-5,00%	33	7,564	359,524
608+12,364			33	-11,895	359,359	109	-7,760	362,116	3,00%	107	-5,000	362,034	3,00%	359,142	361,884	2,742	109	4,490	361,659	-5,00%	33	8,193	359,188
609+0,000			33	-12,500	359,035	109	-7,760	362,196	3,00%	107	-5,000	362,113	3,00%	358,879	361,963	3,085	109	4,490	361,739	-5,00%	33	8,703	358,928
609+12,364			33	-13,505	358,538	109	-7,760	362,369	3,00%	107	-5,000	362,286	3,00%	358,476	362,136	3,661	109	4,490	361,912	-5,00%	33	9,666	358,459
610+0,000			33	-13,818	358,464	109	-7,760	362,503	3,00%	107	-5,000	362,421	3,00%	358,388	362,271	3,883	109	4,490	362,046	-5,00%	33	10,188	358,245
611+0,000		PTV	33	-14,847	358,229	109	-7,760	362,955	3,00%	107	-5,000	362,872	3,00%	357,942	362,722	4,780	109	4,490	362,498	-5,00%	33	11,560	357,782
612+0,000			33	-16,203	357,848	109	-7,760	362,478	3,00%	107	-5,000	363,395	3,00%	357,572	363,245	5,674	109	4,490	363,021	-5,00%	33	12,981	357,358
613+0,000			33	-15,608	357,511	109	-7,760	364,001	3,00%	107	-5,000	363,918	3,00%	357,308	363,768	6,461	109	4,490	363,544	-5,00%	33	14,144	357,106
614+0,000			33	-10,220	357,243	109	-7,760	364,524	3,00%	107	-5,000	364,442	3,00%	357,116	364,292	7,175	109	4,490	364,067	-5,00%	33	15,340	356,832
614+5,000		PCV	33	-9,348	357,177	109	-7,760	364,655	3,00%	107	-5,000	364,572	3,00%	356,986	364,422	7,437	109	4,490	364,198	-5,00%	33	15,751	356,688
615+0,000			33	-7,843	357,094	109	-7,760	365,014	3,00%	107	-5,000	364,931	3,00%	356,942	364,781	7,839	109	4,490	364,556	-5,00%	33	21,084	356,558
616+0,000			33	-8,423	357,141	109	-7,760	365,385	3,00%	107	-5,000	365,303	3,00%	356,976	365,153	8,177	109	4,490	364,928	-5,00%	33	21,803	356,450
617+0,000			33	-11,945	357,199	109	-7,760	365,636	3,00%	107	-5,000	365,553	3,00%	356,950	365,403	8,454	109	4,490	365,179	-5,00%	33	22,299	356,370
617+15,000			33	-16,120	357,401	109	-7,760	365,744	3,00%	107	-5,000	365,661	3,00%	356,975	365,512	8,536	109	4,490	365,287	-5,00%	33	22,286	356,488
618+0,000			33	-15,739	357,437	109	-7,760	365,765	3,00%	107	-5,000	365,683	3,00%	357,033	365,533	8,500	109	4,490	365,308	-5,00%	33	22,267	356,521
618+11,373			33	-19,920	357,677	109	-7,760	365,785	3,00%	107	-5,000	365,702	3,00%	357,204	365,552	8,348	109	4,490	365,328	-5,00%	33	22,181	356,598
619+0,000			33	-19,683	357,824	109	-7,760	365,774	3,00%	107	-5,000	365,691	3,00%	357,334	365,541	8,207	109	4,490	365,317	-5,00%	33	22,063	356,666
620+0,000			33	-19,011	358,159	109	-7,760	365,661	3,00%	107	-5,000	365,578	3,00%	357,873	365,428	7,555	109	4,490	365,204	-5,00%	33	21,266	357,084
620+2,666			33	-18,932	358,188	109	-7,760	365,637	3,00%	107	-5,000	365,554	3,00%	357,948	365,404	7,456	109	4,490	365,180	-5,00%	33	21,152	357,136
621+0,000			33	-18,275	358,416	109	-7,760	365,427	3,00%	107	-5,000	365,344	3,00%	357,914	365,194	7,280	109	4,490	364,970	-5,00%	33	15,648	357,529
621+3,719			33	-18,093	358,480	109	-7,760	365,370	3,00%	107	-5,000	365,287	3,00%	358,011	365,137	7,126	109	4,490	364,913	-5,00%	33	15,452	357,603
621+5,000		PTV	33	-18,030	358,502	109	-7,760	365,349	3,00%	107	-5,000	365,267	3,00%	358,044	365,117	7,072	109	4,490	364,892	-5,00%	33	15,474	357,567
621+10,000		PCV	33	-17,800	358,574	109	-7,760	365,268	3,00%	107	-5,000	365,185	3,00%	358,143	365,035	6,892	109	4,490	364,811	-5,00%	33	15,201	357,668
622+0,000			33	-17,257	358,786	109	-7,760	365,118	3,00%	107	-5,000	365,036	3,00%	358,242	364,886	6,643	109	4,490	364,661	-5,00%	33	14,673	357,870
622+15,298	TE		33	-16,531	359,090	109	-7,760	364,938	3,00%	107	-5,000	364,856	3,00%	358,643	364,706	6,063	109	4,490	364,481	-5,00%	33	13,821	358,258
623+0,000			33	-16,325	359,184	109	-7,760	364,895	3,00%	107	-5,000	364,812	3,00%	358,749	364,662	5,913	109	4,490	364,438	-5,00%	33	13,576	358,378
623+15,000			33	-15,592	359,570	109	-7,760	364,794	3,00%	107	-5,000	364,711	3,00%	359,038	364,561	5,523	109	4,490	364,337	5,00%	33	12,940	358,701
623+16,350			33	-15,488	359,634	109	-7,760	364,787	3,00%	107	-5,000	364,704	3,00%	359,063	364,554	5,491	109	4,490	364,330	-5,00%	33	12,890	358,728
624+0,000			33	-15,299	359,732	109	-7,760	364,772	3,00%	107	-5,000	364,690	3,00%	359,131	364,540	5,409	109	4,490	364,315	-5,00%	33	12,760	358,800
624+6,877			33	-13,705	359,750	109	-7,760	364,754	3,00%	107	-5,000	364,671	3,00%	359,256	364,521	5,265	109	4,490	364,297	-5,00%	33	12,534	358,932
624+14,210			33	-12,132	359,769	109	-7,740	364,800	3,70%	107	-5,000	364,699	3,70%	359,427	364,514	5,087	109	4,490	364,281	-5,18%	33	12,290	359,083
625+0,000			33	-10,972	359,784	109	-7,730	364,846	4,25%	107	-5,000	364,731	4,25%	359,481	364,518	5,037	109	4,500	364,279	-5,32%	33	12,071	359,230

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Dispositivo Est. 515+0,000 - Ramo 600

Rodovia: BR-158/262-MS	Elementos do Projeto		LADO ESQUERDO										COTAS DE EIXO		LADO DIREITO							
ESTACA			PLATAFORMA DE TERRAPLENAGEM												PLATAFORMA DE TERRAPLENAGEM							
			Talude			Fim da plataforma			Bordo da pista						Fim da plataforma			Talude				
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Deciv.	P.	Dist.	Cota	Deciv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	P.	Dist.	Cota
625+13,534		PCRV	33	- 8,606	359,998	109	- 7,690	364,988	5,53%	107	- 5,000	364,838	5,53%	359,809	364,561	4,752	109	4,510	364,306	-5,53%	33	11,588	359,586
625+15,298			33	- 8,339	360,034	109	- 7,690	365,009	5,70%	107	- 5,000	364,855	5,70%	359,837	364,570	4,733	109	4,510	364,313	-5,70%	33	11,543	359,624
626+0,000			33	- 6,000	360,072	109	- 6,000	364,940	5,70%	107	- 5,000	364,883	5,70%	359,902	364,598	4,696	109	4,510	364,341	-5,70%	33	11,439	359,721
626+3,247			33	- 6,000	360,133	109	- 6,000	364,960	5,70%	107	- 5,000	364,903	5,70%	359,964	364,618	4,654	109	4,510	364,361	-5,70%	33	11,370	359,787
626+6,916			33	- 6,000	360,201	109	- 6,000	364,981	5,70%	107	- 5,000	364,924	5,70%	360,057	364,639	4,582	109	4,510	364,382	-5,70%	33	11,291	359,861

5.1.3.7. Ramo 700

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 515+0,000 - Ramo 700																					
ESTACA			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista				Terreno Natural	Terraplenagem	Cota vermelha	Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Cota	P.	Dist.	Cota
703+18,765			33	-6,000	361,070	109	-6,000	364,587	6,00%	107	-5,000	364,527	6,00%	361,225	364,227	3,002	109	4,520	363,956	-6,00%	33	8,382	361,381
704+0,000			33	-6,000	361,057	109	-6,000	364,582	6,00%	107	-5,000	364,522	6,00%	361,221	364,222	3,001	109	4,520	363,951	-6,00%	33	8,368	361,385
704+8,357			33	-8,428	360,952	109	-7,690	364,480	6,00%	107	-5,000	364,480	6,00%	361,200	364,180	2,980	109	4,520	363,909	-6,00%	33	8,259	361,416
704+10,000		PTV	33	-8,696	360,929	109	-7,690	364,512	6,00%	107	-5,000	364,470	6,00%	361,197	364,170	2,973	109	4,520	363,899	-6,00%	33	8,239	361,419
704+17,948			33	-10,104	360,825	109	-7,690	364,585	6,00%	107	-5,000	364,424	6,00%	361,192	364,124	2,932	109	4,520	363,853	-6,00%	33	8,166	361,422
705+0,000		PCV	33	-10,499	360,800	109	-7,690	364,573	6,00%	107	-5,000	364,412	6,00%	361,196	364,112	2,916	109	4,520	363,841	-6,00%	33	8,144	361,424
705+17,567			33	-13,297	360,781	109	-7,690	364,522	6,00%	107	-5,000	364,360	6,00%	364,060	364,060	0,000	109	4,520	363,789	-6,00%	33	8,014	361,459
706+0,000			33	-13,257	360,808	109	-7,690	364,523	6,00%	107	-5,000	364,361	6,00%	361,252	364,061	2,809	109	4,520	363,790	-6,00%	33	7,987	361,478
706+15,896	CE		33	-12,986	361,044	109	-7,690	364,578	6,00%	107	-5,000	364,416	6,00%	361,500	364,116	2,617	109	4,520	363,845	-6,00%	33	7,761	361,684
707+0,000			33	-12,934	361,106	109	-7,690	364,604	5,99%	107	-5,000	364,444	5,99%	361,573	364,144	2,571	109	4,520	363,874	-5,99%	33	7,701	361,752
708+0,000			33	-12,439	361,648	109	-7,690	364,815	5,92%	107	-5,000	364,656	5,92%	361,908	364,360	2,452	109	4,520	364,093	-5,92%	33	7,417	362,159
708+5,896			33	-12,418	361,749	109	-7,690	364,903	5,90%	107	-5,000	364,744	5,90%	362,008	364,449	2,441	109	4,520	364,183	-5,90%	33	7,393	362,265
708+15,896			33	-12,422	361,922	109	-7,690	365,077	5,87%	107	-5,000	364,920	5,87%	362,239	364,626	2,387	109	4,510	364,361	-5,87%	33	7,314	362,496
709+0,000		PTV	33	-12,437	361,993	109	-7,690	365,159	5,85%	107	-5,000	365,001	5,85%	362,355	364,709	2,354	109	4,510	364,444	-5,86%	33	7,265	362,611
709+15,896			33	-12,433	362,323	109	-7,690	365,485	5,80%	107	-5,000	365,329	5,80%	362,771	365,039	2,268	109	4,510	364,777	-5,80%	33	7,078	363,067
709+15,896	EC		33	-12,433	362,323	109	-7,690	365,485	5,80%	107	-5,000	365,329	5,80%	362,771	365,039	2,268	109	4,510	364,777	-5,80%	33	7,078	363,067
710+0,000			33	-12,441	362,403	109	-7,690	365,570	5,80%	107	-5,000	365,414	5,80%	362,874	365,124	2,250	109	4,510	364,862	-5,80%	33	7,045	363,174
711+0,000			33	-11,145	363,285	109	-7,690	365,986	5,80%	107	-5,000	365,829	5,80%	363,579	365,539	1,961	109	4,510	365,278	-5,80%	33	6,797	363,754
712+0,000			33	-11,347	363,963	109	-7,690	366,401	5,80%	107	-5,000	366,245	5,80%	364,266	365,955	1,689	109	4,510	365,693	-5,80%	33	6,441	364,407
713+0,000			33	-10,731	364,789	109	-7,690	366,816	5,80%	107	-5,000	366,660	5,80%	364,997	366,370	1,373	109	4,510	366,108	-5,80%	33	5,998	365,118
714+0,000			33	-10,256	365,521	109	-7,690	367,232	5,80%	107	-5,000	367,076	5,80%	365,798	366,786	0,988	109	4,510	366,524	-5,80%	33	5,485	365,876
714+9,757			33	-9,440	366,268	109	-7,690	367,434	5,80%	107	-5,000	367,278	5,80%	366,007	366,988	0,981	109	4,510	366,726	-5,80%	33	5,138	366,309
715+0,000			33	-8,904	366,838	109	-7,690	367,647	5,80%	107	-5,000	367,491	5,80%	366,808	367,201	0,393	109	4,510	366,939	-5,80%	33	4,740	366,787
716+0,000		PCV	33	-8,017	367,845	109	-7,690	368,062	5,80%	107	-5,000	367,906	5,80%	367,775	367,616	-0,159	109	4,510	367,355	-5,80%	33	4,060	367,736
717+0,000			33	-7,850	368,436	109	-7,690	368,542	5,80%	107	-5,000	368,386	5,80%	0,000	368,096	368,096	109	3,990	367,864	-5,80%	33	4,776	368,652
717+10,000			33	-8,002	369,158	109	-7,670	368,828	5,80%	107	-5,000	368,674	5,80%	369,031	368,384	-0,648	109	3,990	368,152	-5,80%	33	4,951	369,114
717+19,107			33	-7,975	369,421	109	-7,670	369,119	5,80%	107	-5,000	368,964	5,80%	369,241	368,674	-0,567	109	3,990	368,442	-5,80%	33	4,950	369,404
718+0,000			33	-7,940	369,417	109	-7,670	369,148	5,80%	107	-5,000	368,993	5,80%	369,260	368,703	-0,556	109	3,990	368,472	-5,80%	33	4,974	369,458
718+12,774			33	-6,000	369,692	109	-6,000	369,505	5,80%	107	-5,000	369,449	5,80%	369,912	369,161	-0,751	109	3,990	368,927	5,80%	33	4,784	369,722

5.1.3.8. Ramo 800

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 515+0,000 - Ramo 800

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM											COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
803+15,713			33	-6,000	368,977	109	-6,000	368,909	5,70%	107	-5,000	368,852	5,70%	368,773	368,567	-0,206	109	3,990	368,339	-5,70%	33	4,442	368,792
804+0,000			33	-6,000	368,744	109	-6,000	368,810	5,70%	107	-5,000	368,753	5,70%	368,489	368,468	-0,021	109	3,990	368,240	-5,70%	33	4,393	368,643
804+5,705			33	-8,143	368,494	109	-7,690	368,794	5,70%	107	-5,000	368,640	5,70%	368,170	368,355	0,185	109	3,810	368,139	-5,70%	33	4,062	368,396
804+7,721			33	-8,257	368,383	109	-7,690	368,759	5,70%	107	-5,000	368,606	5,70%	368,069	368,321	0,252	109	3,830	368,102	-5,70%	33	4,081	368,349
805+0,000			33	-9,480	367,415	109	-7,690	368,607	5,70%	107	-5,000	368,453	5,70%	368,373	368,168	-0,205	109	3,990	367,941	-5,70%	33	5,711	369,662
805+5,000		PTV	33	-10,437	366,744	109	-7,690	368,573	5,70%	107	-5,000	368,420	5,70%	369,322	368,135	-1,187	109	3,990	367,907	-5,70%	33	5,670	369,587
805+15,442	CE		33	-11,384	366,060	109	-7,690	368,521	5,70%	107	-5,000	368,368	5,70%	369,216	368,083	-1,133	109	3,990	367,855	-5,70%	33	5,585	369,450
806+0,000			33	-7,939	368,740	109	-7,660	368,463	5,27%	107	-5,000	368,323	5,27%	369,163	368,060	-1,103	109	4,000	367,849	-5,27%	33	5,544	369,397
807+0,000			33	-7,947	368,534	109	-7,630	368,217	3,37%	107	-5,000	368,128	3,37%	368,894	367,960	-0,934	109	4,000	367,756	-5,10%	33	5,381	369,138
807+3,863			33	-7,941	368,486	109	-7,620	368,169	3,00%	107	-5,000	368,090	3,00%	368,848	367,940	-0,907	109	4,000	367,740	-5,00%	33	5,351	369,091
807+14,390			33	-7,894	368,387	109	-7,620	368,117	3,00%	107	-5,000	368,038	3,00%	368,751	367,888	-0,863	109	4,000	367,688	-5,00%	33	5,307	368,995
808+0,000			33	-7,884	368,349	109	-7,620	368,089	3,00%	107	-5,000	368,010	3,00%	368,712	367,860	-0,852	109	4,000	367,660	-5,00%	33	5,288	368,948
808+15,442	ET		33	-7,847	368,235	109	-7,620	368,011	3,00%	107	-5,000	367,933	3,00%	368,578	367,783	-0,795	109	4,000	367,583	-5,00%	33	5,224	368,806
809+0,000			33	-7,819	368,184	109	-7,620	367,989	3,00%	107	-5,000	367,910	3,00%	368,526	367,760	-0,766	109	4,000	367,560	-5,00%	33	5,199	368,759
810+0,000			33	-7,555	368,028	109	-7,410	367,882	3,00%	107	-5,000	367,810	3,00%	368,401	367,660	-0,741	109	4,000	367,460	-5,00%	33	5,198	368,657
810+7,021			33	-7,566	367,986	109	-7,430	367,848	3,00%	107	-5,000	367,775	3,00%	368,359	367,625	-0,734	109	4,000	367,425	-5,00%	33	5,190	368,615
811+0,000			33	-7,625	367,882	109	-7,530	367,786	3,00%	107	-5,000	367,710	3,00%	368,254	367,560	-0,695	109	4,000	367,360	-5,00%	33	5,134	368,494
811+8,074			33	-7,717	367,780	109	-7,690	367,750	3,00%	107	-5,000	367,669	3,00%	368,164	367,519	-0,644	109	4,000	367,319	-5,00%	33	5,081	368,401
811+16,715		PCV	33	-7,777	367,697	109	-7,760	367,709	3,00%	107	-5,000	367,626	3,00%	368,067	367,476	-0,590	109	4,000	367,276	-5,00%	33	5,013	368,289
812+0,000			33	-7,793	367,670	109	-7,760	367,693	3,00%	107	-5,000	367,610	3,00%	368,024	367,460	-0,564	109	4,000	367,260	-5,00%	33	4,964	368,224
813+0,000			33	-8,029	367,439	109	-7,760	367,620	3,00%	107	-5,000	367,537	3,00%	367,761	367,387	-0,374	109	4,000	367,187	-5,00%	33	4,793	367,980
813+11,619			33	-8,203	367,299	109	-7,760	367,595	3,00%	107	-5,000	367,513	3,00%	367,642	367,363	-0,280	109	4,000	367,163	-5,00%	33	4,704	367,866
814+0,000			33	-8,355	367,188	109	-7,760	367,586	3,00%	107	-5,000	367,503	3,00%	367,536	367,353	-0,182	109	4,000	367,153	-5,00%	33	4,602	367,755
814+6,715			33	-8,486	367,099	109	-7,760	367,584	3,00%	107	-5,000	367,501	3,00%	367,457	367,351	-0,106	109	4,000	367,151	-5,00%	33	4,529	367,681
814+12,671			33	-8,615	367,015	109	-7,760	367,586	3,00%	107	-5,000	367,503	3,00%	367,394	367,353	-0,041	109	4,000	367,153	-5,00%	33	4,462	367,615
815+0,000			33	-8,791	366,904	109	-7,760	367,593	3,00%	107	-5,000	367,510	3,00%	367,316	367,360	0,045	109	4,000	367,160	-5,00%	33	4,372	367,532
816+0,000			33	-9,267	366,634	109	-7,760	367,639	3,00%	107	-5,000	367,557	3,00%	367,096	367,407	0,310	109	4,180	367,198	-5,00%	33	4,294	367,311
816+4,250	TE		33	-9,382	366,572	109	-7,760	367,654	3,00%	107	-5,000	367,572	3,00%	367,040	367,422	0,382	109	4,340	367,205	-5,00%	33	4,393	367,260
816+16,715		PTV	33	-9,735	366,391	109	-7,760	367,709	3,00%	107	-5,000	367,626	3,00%	366,872	367,476	0,604	109	4,490	367,252	-5,00%	33	4,714	367,100
817+0,000			33	-9,823	366,349	109	-7,760	367,725	3,00%	107	-5,000	367,643	3,00%	366,822	367,493	0,671	109	4,490	367,268	-5,00%	33	4,813	367,050
817+5,303			33	-9,958	366,286	109	-7,760	367,752	3,00%	107	-5,000	367,669	3,00%	366,736	367,519	0,783	109	4,490	367,295	-5,00%	33	4,974	366,970
817+15,829			33	-10,285	366,120	109	-7,760	367,805	3,00%	107	-5,000	367,722	3,00%	366,570	367,572	1,002	109	4,490	367,347	-5,00%	33	5,278	366,820
818+0,000			33	-10,476	366,037	109	-7,750	367,856	3,40%	107	-5,000	367,762	3,40%	366,517	367,593	1,075	109	4,490	367,364	-5,10%	33	5,319	366,811
819+0,000		PCV	33	-11,061	365,862	109	-7,700	368,101	5,30%	107	-5,000	367,957	5,30%	366,413	367,693	1,280	109	4,510	367,441	-5,60%	33	5,620	366,698
819+4,250	EC		33	-11,145	365,846	109	-7,690	368,148	5,70%	107	-5,000	367,994	5,70%	366,354	367,709	1,355	109	4,510	367,452	-5,70%	33	5,741	366,631
819+9,344			33	-11,168	365,838	109	-7,690	368,155	5,70%	107	-5,000	368,001	5,70%	366,330	367,716	1,386	109	4,510	367,459	-5,70%	33	5,794	366,602
820+0,000			33	-11,108	365,847	109	-7,690	368,124	5,70%	107	-5,000	367,971	5,70%	366,323	367,686	1,363	109	4,510	367,429	-5,70%	33	5,791	366,574
821+0,000		PTV	33	-10,643	365,936	109	-7,690	367,903	5,70%	107	-5,000	367,750	5,70%	366,383	367,465	1,081	109	4,510	367,208	-5,70%	33	5,402	366,612
821+10,000		PCV	33	-10,269	366,022	109	-7,690	367,739	5,70%	107	-5,000	367,586	5,70%	366,452	367,301	0,849	109	4,510	367,044	-5,70%	33	5,081	366,663
821+11,852			33	-10,200	366,038	109	-7,690	367,710	5,70%	107	-5,000	367,556	5,70%	366,466	367,271	0,805	109	4,510	367,014	-5,70%	33	5,019	366,675
822+0,000			33	-8,960	366,160	109	-7,690	367,606	5,70%	107	-5,000	367,453	5,70%	366,542	367,168	0,625	109	4,510	366,911	-5,70%	33	4,753	366,748
822+2,254			33	-8,594	366,201	109	-7,690	367,585	5,70%	107	-5,000	367,431	5,70%	366,572	367,146	0,574	109	4,510	366,890	-5,70%	33	4,688	366,770
822+16,244			33	-6,000	366,527	109	-6,000	367,427	5,70%	107	-5,000	367,370	5,70%	366,783	367,085	0,303	109	4,280	366,842	-5,70%	33	4,348	366,936
822+16,954			33	-6,000	366,539	109	-6,000	367,427	5,70%	107	-5,000	367,370	5,70%	366,784	367,085	0,301	109	4,260	366,843	-5,70%	33	4,346	366,937

5.1.3.9. BR-262

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		BR-262																									
			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO										
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM										
ESTACA			Talude			Fim da plataforma					Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
6+12,309			33	-7,889	369,929	109	-7,710	369,753	-3,00%	107	-3,524	369,878	-	370,324	370,024	-0,300	107	-	-	-	109	-	-	-	33	-	-
7+0,000			33	-7,855	369,631	109	-7,750	369,526	-3,00%	107	-3,569	369,652	-3,00%	370,048	369,748	-0,300	107	-	-	-	109	-	-	-	33	-	-
7+13,787			33	-7,870	369,102	109	-7,780	369,007	-3,00%	107	-3,568	369,133	-3,00%	369,555	369,255	-0,300	107	3,317	369,144	-3,00%	109	7,680	369,013	-5,00%	33	8,127	369,462
7+17,556			33	-7,885	368,956	109	-7,800	368,871	-3,00%	107	-3,541	368,999	-3,00%	369,421	369,121	-0,300	107	3,314	369,007	-3,00%	109	7,630	368,878	-3,00%	33	8,058	369,307
8+0,000			33	-8,020	368,858	109	-7,940	368,779	-3,00%	107	-3,524	368,911	-3,00%	369,334	369,034	-0,300	107	3,312	368,918	-3,00%	109	7,630	368,789	-3,00%	33	8,050	369,210
8+11,244		PCV	33	-8,636	368,417	109	-8,580	368,361	-3,00%	107	-3,496	368,513	-3,00%	368,929	368,629	-0,300	107	3,291	368,511	-3,00%	109	7,630	368,381	-3,00%	33	8,014	368,766
8+19,034			33	-9,068	368,111	109	-9,030	368,075	-3,00%	107	-3,517	368,240	-3,00%	368,643	368,343	-0,300	107	3,265	368,228	-3,00%	109	7,630	368,097	-3,00%	33	7,990	368,458
9+0,000			33	-9,121	368,073	109	-9,090	368,039	-3,00%	107	-3,520	368,206	-3,00%	368,608	368,308	-0,300	107	3,262	368,193	-3,00%	109	7,680	368,060	-3,00%	33	8,044	368,425
10+0,000			33	-10,072	367,358	109	-9,990	367,275	-3,00%	107	-3,559	367,468	-3,00%	367,849	367,549	-0,300	107	3,300	367,440	-3,00%	109	8,710	367,278	-3,00%	33	9,077	367,647
10+2,309			33	-10,172	367,278	109	-10,080	367,185	-3,00%	107	-3,562	367,380	-3,00%	367,760	367,460	-0,300	107	3,312	367,351	-3,00%	109	8,830	367,186	-3,00%	33	9,189	367,549
10+12,842			33	-10,084	366,945	109	-9,940	366,796	-3,00%	107	-3,557	366,987	-3,00%	367,364	367,064	-0,300	107	3,331	366,947	-3,00%	109	9,370	366,766	-3,00%	33	9,745	367,143
11+0,000			33	-10,030	366,718	109	-9,850	366,538	-3,00%	107	-3,541	366,727	-3,00%	367,104	366,804	-0,300	107	3,321	366,673	-3,00%	109	9,740	366,480	-3,00%	33	10,093	366,837
11+3,787			33	-10,137	366,605	109	-9,930	366,398	-3,00%	107	-3,532	366,590	-3,00%	366,967	366,667	-0,300	107	3,315	366,528	-3,00%	109	9,740	366,335	-3,00%	33	9,964	366,557
12+0,000			33	-10,210	366,026	109	-9,930	365,746	-3,00%	107	-3,462	365,940	-3,00%	366,336	366,036	-0,300	107	3,318	365,892	-3,00%	109	9,800	365,698	-3,00%	33	9,998	365,899
12+9,787			33	-10,057	365,513	109	-9,890	365,348	-3,00%	107	-3,430	365,542	-3,00%	365,950	365,650	-0,300	107	3,336	365,511	-3,00%	109	9,760	365,318	-3,00%	33	9,978	365,532
12+14,440		PTV	33	-10,169	365,262	109	-10,070	365,166	-3,00%	107	-3,445	365,365	-3,00%	365,773	365,473	-0,300	107	3,363	365,340	-3,00%	109	9,850	365,145	-3,00%	33	10,069	365,368
12+16,400		PCV	33	-10,216	365,156	109	-10,150	365,089	-3,00%	107	-3,451	365,290	-3,00%	365,699	365,399	-0,300	107	3,375	365,268	-3,00%	109	9,890	365,072	-3,00%	33	10,114	365,300
13+0,000			33	-10,303	364,962	109	-10,290	364,948	-3,00%	107	-3,463	365,153	-3,00%	365,562	365,262	-0,300	107	3,396	365,135	-3,00%	109	9,970	364,938	-3,00%	33	10,207	365,177
14+0,000			33	-10,344	364,221	109	-10,330	364,233	-3,00%	107	-3,444	364,440	-3,00%	364,875	364,575	-0,300	107	3,406	364,449	-3,00%	109	11,100	364,218	-3,00%	33	11,539	364,654
14+1,400			33	-10,325	364,185	109	-10,330	364,185	-3,00%	107	-3,440	364,392	-3,00%	364,828	364,528	-0,300	107	3,403	364,403	-3,00%	109	11,190	364,169	-3,00%	33	11,645	364,628
14+2,315			33	-10,312	364,162	109	-10,300	364,154	-3,00%	107	-3,437	364,360	-3,00%	364,798	364,498	-0,300	107	3,401	364,373	-3,00%	109	11,240	364,137	-3,00%	33	11,715	364,611
15+0,000			33	-10,393	363,700	109	-10,370	363,675	-3,00%	107	-3,529	363,880	-3,00%	364,288	363,988	-0,300	107	3,348	363,869	-3,00%	109	13,400	363,568	-3,00%	33	13,846	364,016
15+6,400		PTV	33	-10,561	363,527	109	-10,540	363,509	-3,00%	107	-3,517	363,720	-3,00%	364,105	363,805	-0,300	107	3,452	363,692	-3,00%	109	14,600	363,358	-3,00%	33	14,931	363,687
16+0,000			33	-11,104	363,283	109	-10,970	363,145	-3,00%	107	-3,495	363,369	-3,00%	363,758	363,458	-0,300	107	3,447	363,332	-3,00%	109	15,810	362,632	-5,70%	33	15,810	363,243
16+0,552			33	-11,143	363,271	109	-11,000	363,130	-3,00%	107	-3,492	363,355	-3,00%	363,744	363,444	-0,300	107	3,446	363,318	-3,00%	109	13,860	362,753	-5,46%	33	13,856	363,150
16+2,459			33	-11,260	363,249	109	-11,090	363,078	-3,00%	107	-3,480	363,306	-3,00%	363,696	363,396	-0,300	107	3,444	363,270	-3,00%	109	7,110	363,100	-5,80%	33	7,110	363,204
16+11,341		PCV	33	-12,434	363,144	109	-12,130	362,843	-3,00%	107	-3,448	363,103	-3,00%	363,492	363,192	-0,300	107	3,446	363,055	-3,00%	109	7,500	362,855	-5,00%	33	7,718	363,072
16+12,210			33	-12,564	363,133	109	-12,250	362,821	-3,00%	107	-3,447	363,086	-3,00%	363,473	363,173	-0,300	107	3,447	363,036	-3,00%	109	7,490	362,837	-5,00%	33	7,710	363,058
17+0,000			33	-13,966	363,063	109	-13,530	362,623	-3,00%	107	-3,435	362,926	-3,00%	363,309	363,009	-0,300	107	3,460	362,870	-3,00%	109	7,380	362,676	-5,00%	33	7,643	362,937
17+9,470			33	-12,899	362,941	109	-12,900	362,305	-4,29%	107	-3,419	362,709	-3,00%	363,115	362,815	-0,300	107	3,472	362,680	-3,00%	109	7,370	362,488	-5,00%	33	7,633	362,755
17+11,083			33	-6,101	362,884	109	-6,100	362,670	-1,12%	107	-1,800	362,743	-3,00%	363,085	362,785	-0,300	107	3,471	362,657	-3,00%	109	7,440	362,461	-5,00%	33	7,679	362,700
18+0,000			33	-6,100	362,738	109	-6,100	362,402	-5,00%	107	-1,800	362,581	-3,00%	362,919	362,619	-0,300	107	3,464	362,527	-3,00%	109	7,840	362,310	-5,00%	33	7,933	362,401
18+0,115	PI		33	-6,100	362,737	109	-6,100	362,400	-5,00%	107	-1,800	362,579	-3,00%	362,917	362,617	-0,300	107	3,466	362,525	-3,00%	109	7,850	362,308	-5,00%	33	7,936	362,397
18+4,608			33	-7,963	362,609	109	-7,600	362,247	-5,00%	107	-1,800	362,501	-3,00%	362,832	362,532	-0,300	107	3,468	362,459	-3,00%	109	8,050	362,233	-5,00%	33	8,064	362,246
18+7,075			33	-7,933	362,542	109	-7,600	362,209	-5,00%	107	-1,800	362,463	-3,00%	362,796	362,496	-0,300	107	3,473	362,426	-3,00%	109	8,090	362,198	-5,00%	33	8,140	362,163
19+0,000			33	-7,855	362,292	109	-7,600	362,037	-5,00%	107	-1,800	362,291	-3,00%	362,646	362,346	-0,300	107	3,517	362,270	-3,00%	109	7,600	362,068	-5,00%	33	7,833	362,301
19+4,229			33	-7,857	362,244	109	-7,600	361,987	-5,00%	107	-1,800	362,241	-3,00%	362,596	362,296	-0,300	107	1,800	362,258	-3,00%	109	7,600	362,004	-5,00%	33	7,918	362,322
20+0,000			33	-8,107	362,013	109	-7,990	361,893	-5,00%	107	-2,025	362,155	-3,00%	362,531	362,231	-0,300	107	2,025	362,185	-3,00%	109	7,830	361,931	-5,00%	33	8,039	362,144
20+2,810		PTV	33	-8,199	361,962	109	-8,110	361,872	-5,00%	107	-2,065	362,138	-3,00%	362,526	362,226	-0,300	107	2,065	362,173	-3,00%	109	7,870	361,919	-5,00%	33	8,049	362,102
21+0,000			33	-9,213	361,388	109	-8,600	361,798	-5,00%	107	-2,311	362,076	-3,00%	362,478	362,178	-0,300	107	2,311	362,089	-3,00%	109	8,600	361,811	-5,00%	33	9,262	361,368
22+0,000			33	-10,247	360,852	109	-8,880	361,761	-5,00%	107	-2,597	362,040	-3,00%	362,428	362,128	-0,300	107	2,597	362,005	-3,00%	109	8,880	361,727	-5,00%	33	10,626	360,565
22+8,522		PCV	33	-10,461	360,767	109	-9,010	361,737	-5,00%	107	-2,718	362,016	-3,00%	362,405	362,105	-0,300	107	2,718	361,984	-3,00%	109	9,010	361,706	-5,00%	33	10,948	360,410
23+0,000			33	-10,516	360,799	109	-9,170	361,697	-5,00%	107	-2,882	361,975	-3,00%	362,364	362,064	-0,300	107	2,882	361,954	-3,00%	109	9,170	361,676	-5,00%	33	11,493	360,126
23+19,521			33	-10,392	361,013	109	-9,450	361,642	-5,00%	107	-3,161	361,920	-3,00%	362,323	362,023	-0,300	107	3,161	361,900	-3,00%	109	9,450	361,622	-5,00%	33	12,415	359,644
24+0,000			33	-10,389	361,018	109	-9,460	361,641	-5,00%	107	-3,168	361,919	-3,00%	362,322	362,022	-0,300	107	3,168	361,899	-3,00%	109	9,460	361,621	-5,00%	33	12,438	359,632
24+9,242			33	-10,433	361,065	109	-9,540	361,664	-5,00%	107	-3,300	361,854	-3,00%	362,317	362,017	-0,300	107	3,300	361,821	-3,00%	109	9,530	361,640	-5,00%	33	12,695	359,531
24+10,032			33	-10,540	361,010	109	-9,600	361,638	-5,00%	107	-1,511	361,970	-3,00%	362,320	362,020	-0,300	107	3,311	361,882	-3,00%	109	9,600	361,603	-5,00%	33	12,713	359,526
24+12,904			33	-10,004	359,850	109	-9,640	361,648	-5,00%	107	-1,552	361,980	-3,00%	362,331	362,031	-0,300	107	3,352	361,878	-3,00%	109	9,640	361,600	-5,00%	33	12,769	359,514
24+18,894			33	-7,738	361,594	109	-7,740	361,768	-5,00%	107	-1,638	362,001	-3,00%	362,354	362,054	-0,300	107	3,438	361,872	-3,00%	109	9,720	361,594	-5,00%	33	12,508	359,738
25+0,000			33	-10,191	360,364	109	-10,190	361,854	-0,88%	107	-1,654	362,005	-3,00%	362,358	362,058	-0,300	107	3,454	361,871	-3,00%	109	9,740	361,592	-5,00%	33	12,330	359,865
25+2,351			33	-15,554	360,398	109	-15,550	361,620	-2,78%	107	-1,687	362,013	-3,00%	362,367	362,067	-0,300	107	3,487	361,868	-3,00%	109	9,770	361,590	-5,00%	33	11,952	360,137
25+5,831			33	-20,395	360,950	109	-19,590	361,490	-3,00%	107	-1,737	362,025	-3,00%	362,379	362,079	-0,300	107	1,737	361,978	-3,00%	109	9,820	361,645	-5,00%	33	11,732	360,373
25+12,545			33	-18,277	360,850	109	-17,170	361,591	-3,00%	107	-1,833	362,051	-3,00%	362,410	362,110	-0,300	107	1,832	361,994	-3,00%	109	9,920	361,662	-5,00%	33	11,937	360,317

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		BR-262																									
			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO										
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM										
ESTACA			Talude			Fim da plataforma				Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
26+0,000			33	- 16,726	360,791	109	- 15,410	361,668	-3,00%	107	- 1,939	362,072	-3,00%	362,444	362,144	-0,300	107	1,939	362,026	-3,00%	109	10,030	361,694	-5,00%	33	12,199	360,245
26+16,598			33	- 14,919	360,947	109	- 13,680	361,772	-3,00%	107	- 2,177	362,117	-3,00%	362,509	362,209	-0,300	107	2,177	362,114	-3,00%	109	8,280	361,881	-5,00%	33	8,276	361,189
26+19,647			33	- 14,808	360,940	109	- 13,520	361,799	-3,00%	107	- 2,223	362,137	-3,00%	362,518	362,218	-0,300	107	2,220	362,132	-3,00%	109	16,190	361,666	-3,45%	33	16,189	359,851
27+0,000			33	- 14,798	360,940	109	- 13,510	361,801	-3,00%	107	- 2,225	362,139	-3,00%	362,519	362,219	-0,300	107	2,225	362,134	-3,00%	109	17,050	361,620	-3,62%	33	17,045	359,803
27+7,399			33	- 14,716	360,931	109	- 13,320	361,859	-3,00%	107	- 2,331	362,188	-3,00%	362,540	362,240	-0,300	107	2,331	362,153	-3,00%	109	17,800	361,689	-3,00%	33	20,710	359,749
28+0,000			33	- 14,839	360,937	109	- 13,320	361,947	-3,00%	107	- 2,511	362,272	-3,00%	362,633	362,333	-0,300	107	2,511	362,238	-3,00%	109	14,980	361,864	-3,00%	33	17,750	360,020
28+16,568		PTV	33	- 14,665	361,182	109	- 13,320	362,076	-3,00%	107	- 2,747	362,394	-3,00%	362,770	362,470	-0,300	107	2,748	362,363	-3,00%	109	13,570	362,039	-3,00%	33	16,361	360,176
29+0,000			33	- 14,594	361,257	109	- 13,320	362,103	-3,00%	107	- 2,797	362,419	-3,00%	362,801	362,501	-0,300	107	2,797	362,391	-3,00%	109	13,430	362,072	-3,00%	33	16,154	360,256
29+5,349			33	- 14,483	361,372	109	- 13,320	362,145	-3,00%	107	- 2,873	362,458	-3,00%	362,850	362,550	-0,300	107	2,873	362,435	-3,00%	109	13,320	362,121	-3,00%	33	15,933	360,382
29+8,674			33	- 14,364	361,480	109	- 13,320	362,173	-3,00%	107	- 2,920	362,485	-3,00%	362,880	362,580	-0,300	107	2,920	362,458	-3,00%	109	13,320	362,146	-3,00%	33	15,850	360,462
29+11,116			33	- 14,260	361,567	109	- 13,320	362,191	-3,00%	107	- 2,955	362,502	-3,00%	362,902	362,602	-0,300	107	2,955	362,476	-3,00%	109	13,320	362,164	-3,00%	33	15,789	360,521
30+0,000			33	- 13,882	361,885	109	- 13,320	362,257	-3,00%	107	- 3,000	362,566	-3,00%	362,981	362,681	-0,300	107	3,000	362,548	-3,00%	109	13,320	362,238	-3,00%	33	15,579	360,735
30+17,643			33	- 13,457	362,284	109	- 13,320	362,372	-3,00%	107	- 2,955	362,683	-3,00%	363,090	362,790	-0,300	107	2,956	362,701	-3,00%	109	13,320	362,390	-3,00%	33	15,035	361,249
31+0,000			33	- 13,416	362,326	109	- 13,320	362,387	-3,00%	107	- 2,922	362,699	-3,00%	363,112	362,812	-0,300	107	2,922	362,723	-3,00%	109	13,320	362,411	-3,00%	33	14,945	361,330
31+1,352			33	- 13,392	362,351	109	- 13,320	362,396	-3,00%	107	- 2,903	362,709	-3,00%	363,124	362,824	-0,300	107	2,902	362,735	-3,00%	109	13,320	362,423	-3,00%	33	14,894	361,376
31+5,979		PCV	33	- 13,395	362,432	109	- 13,390	362,428	-3,00%	107	- 2,836	362,745	-3,00%	363,166	362,866	-0,300	107	2,836	362,779	-3,00%	109	13,320	362,464	-3,00%	33	14,718	361,535
32+0,000			33	- 14,000	362,791	109	- 13,820	362,607	-3,00%	107	- 2,636	362,942	-3,00%	363,357	363,057	-0,300	107	2,636	362,978	-3,00%	109	13,320	362,657	-3,00%	33	14,213	362,064
33+0,000			33	- 18,573	363,303	109	- 18,040	362,770	-3,00%	107	- 2,350	363,241	-3,00%	363,623	363,323	-0,300	107	2,350	363,257	-3,00%	109	13,320	362,928	-3,00%	33	13,411	362,870
33+5,607			33	- 16,221	363,473	109	- 16,220	363,010	-2,06%	107	- 2,270	363,332	-3,00%	363,694	363,394	-0,300	107	2,273	363,335	-3,00%	109	13,110	363,010	-3,00%	33	13,190	363,093
33+8,184			33	- 10,210	363,497	109	- 10,210	363,272	0,12%	107	- 2,234	363,375	-3,00%	363,732	363,432	-0,300	107	2,234	363,375	-3,00%	109	12,960	363,053	-3,00%	33	13,097	363,194
33+8,753			33	- 9,425	363,521	109	- 9,430	363,170	-3,00%	107	- 2,225	363,386	-3,00%	363,743	363,443	-0,300	107	2,225	363,387	-3,00%	109	12,940	363,066	-3,00%	33	13,087	363,215
33+16,826			33	- 10,219	363,742	109	- 9,710	363,233	-5,00%	107	- 2,110	363,541	-3,00%	363,910	363,610	-0,300	107	2,110	363,560	-3,00%	109	13,170	363,229	-3,00%	33	13,431	363,492
34+0,000			33	- 10,177	363,806	109	- 9,670	363,293	-5,00%	107	- 2,065	363,601	-3,00%	363,975	363,675	-0,300	107	2,065	363,628	-3,00%	109	13,350	363,289	-3,00%	33	13,655	363,595
35+0,000			33	- 10,035	364,450	109	- 9,380	363,794	-5,00%	107	- 1,779	364,102	-3,00%	364,449	364,149	-0,300	107	1,779	364,104	-3,00%	109	15,930	363,679	-3,00%	33	16,382	364,130
35+2,493			33	- 10,028	364,543	109	- 9,340	363,859	-5,00%	107	- 1,743	364,167	-3,00%	364,513	364,213	-0,300	107	1,743	364,165	-3,00%	109	16,600	363,719	-3,00%	33	17,053	364,175
35+13,050			33	- 9,896	364,871	109	- 9,190	364,167	-5,00%	107	- 1,592	364,475	-3,00%	364,812	364,512	-0,300	107	3,392	364,388	-3,00%	109	16,460	364,016	-2,82%	33	16,463	364,572
35+15,999			33	- 9,845	364,957	109	- 9,150	364,262	-5,00%	107	- 1,550	364,570	-3,00%	364,904	364,604	-0,300	107	3,350	364,474	-3,00%	109	9,800	364,326	-2,02%	33	9,803	364,994
35+16,485			33	- 9,830	364,971	109	- 9,140	364,285	-5,00%	107	- 3,343	364,539	-3,00%	364,919	364,619	-0,300	107	3,343	364,488	-3,00%	109	10,670	364,158	-3,00%	33	11,489	364,981
35+19,572			33	- 9,777	365,061	109	- 9,120	364,401	-5,00%	107	- 3,299	364,650	-3,00%	365,015	364,715	-0,300	107	3,299	364,576	-3,00%	109	7,600	364,397	-5,00%	33	7,600	364,714
36+0,000			33	- 9,769	365,074	109	- 9,090	364,398	-5,00%	107	- 3,293	364,662	-3,00%	362,028	361,728	-0,300	107	3,293	364,590	-3,00%	109	7,590	364,411	-5,00%	33	7,594	364,727
36+2,533			33	- 9,716	365,139	109	- 9,060	364,480	-5,00%	107	- 3,257	364,734	-3,00%	365,106	364,806	-0,300	107	3,257	364,664	-3,00%	109	9,060	364,410	-5,00%	33	3,898	365,251
36+7,210		PTV	33	- 9,641	365,281	109	- 8,990	364,631	-5,00%	107	- 3,190	364,885	-3,00%	365,251	364,951	-0,300	107	3,190	364,799	-3,00%	109	8,990	364,545	-5,00%	33	9,861	365,416
37+0,000			33	- 9,681	365,908	109	- 8,810	365,033	-5,00%	107	- 3,008	365,287	-3,00%	365,661	365,361	-0,300	107	3,008	365,217	-3,00%	109	8,810	364,963	-5,00%	33	9,821	365,976
37+12,586		PCV	33	- 9,422	366,223	109	- 8,630	365,429	-5,00%	107	- 2,828	365,683	-3,00%	366,060	365,760	-0,300	107	2,828	365,628	-3,00%	109	8,630	365,374	-5,00%	33	9,524	366,269
38+0,000			33	- 9,266	366,408	109	- 8,520	365,665	-5,00%	107	- 2,722	365,919	-3,00%	366,293	365,993	-0,300	107	2,722	365,867	-3,00%	109	8,520	365,613	-5,00%	33	9,306	366,397
38+12,586			33	- 9,068	366,806	109	- 8,340	366,080	-5,00%	107	- 2,542	366,334	-3,00%	366,706	366,406	-0,300	107	2,542	366,296	-3,00%	109	8,340	366,042	-5,00%	33	8,990	366,689
39+0,000			33	- 8,926	367,023	109	- 8,240	366,333	-5,00%	107	- 2,436	366,587	-3,00%	366,963	366,663	-0,300	107	2,436	366,572	-3,00%	109	8,240	366,318	-5,00%	33	8,813	366,895
39+12,586		PTV	33	- 8,584	367,297	109	- 8,060	366,770	-5,00%	107	- 2,256	367,024	-3,00%	367,386	367,086	-0,300	107	2,256	367,016	-3,00%	109	8,060	366,762	-5,00%	33	8,567	367,272
40+0,000			33	- 8,301	367,375	109	- 7,950	367,025	-5,00%	107	- 2,151	367,279	-3,00%	367,624	367,324	-0,300	107	2,151	367,280	-3,00%	109	7,950	367,026	-5,00%	33	8,412	367,488
41+0,000			33	- 7,743	368,016	109	- 7,500	367,776	-5,00%	107	- 1,865	368,021	-3,03%	368,378	368,078	-0,300	107	1,865	368,025	-3,00%	109	7,530	367,778	-5,00%	33	7,762	368,007
41+4,504			33	- 7,660	368,194	109	- 7,410	367,944	-5,00%	107	- 1,800	368,188	-3,00%	368,559	368,259	-0,300	107	1,800	368,206	-3,00%	109	7,580	367,953	-5,00%	33	7,766	368,142
41+16,194			33	- 7,641	368,616	109	- 7,380	368,354	-5,00%	107	- 3,410	368,549	-3,00%	368,982	368,682	-0,300	107	3,522	368,577	-3,00%	109	7,440	368,383	-5,00%	33	7,678	368,623
42+0,000			33	- 6,100	368,844	109	- 6,100	368,561	-5,00%	107	- 3,403	368,692	-3,00%	369,113	368,813	-0,300	107	3,501	368,713	-3,00%	109	7,600	368,510	-5,00%	33	7,922	368,832
42+6,614			33	- 6,100	369,090	109	- 6,100	368,809	-5,00%	107	- 3,392	368,940	-3,00%	369,342	369,042	-0,300	107	3,463	368,949	-3,00%	109	7,600	368,745	-5,00%	33	8,010	369,155
42+8,390			33	- 13,889	368,773	109	- 13,890	368,567	-4,20%	107	- 3,389	369,006	-3,00%	369,406	369,106	-0,300	107	3,461	369,010	-3,00%	109	7,600	368,806	-5,00%	33	8,013	369,219
42+10,661			33	- 17,593	368,797	109	- 17,460	368,661	-3,00%	107	- 3,389	369,083	-3,00%	369,485	369,185	-0,300	107	3,463	369,087	-3,00%	109	7,600	368,882	-5,00%	33	8,002	369,285
43+0,000			33	- 15,870	368,935	109	- 15,730	369,030	-3,00%	107	- 3,389	369,400	-3,00%	369,813	369,513	-0,300	107	3,471	369,401	-3,00%	109	6,100	369,272	-5,00%	33	6,100	369,565
43+4,926			33	- 15,054	369,074	109	- 14,830	369,224	-3,00%	107	- 3,389	369,568	-3,00%	369,986	369,686	-0,300	107	3,475	369,567	-3,00%	109	6,100	369,438	-5,00%	33	6,100	369,742
43+6,459			33	- 14,793	369,131	109	- 14,560	369,284	-3,00%	107	- 3,389	369,620	-3,00%	370,040	369,740	-0,300	107	3,476	369,619	-3,00%	109	12,920	369,158	-4,90%	33	12,922	369,912
44+0,000			33	- 12,954	369,638	109	- 12,670	369,828	-3,00%	107	- 3,396	370,106	-3,00%	370,536	370,236	-0,300	107	3,478	370,108	-3,00%	109	14,290	369,783	-3,00%	33	14,716	370,213
44+5,795	PI		33	- 12,411	369,852	109	- 12,110	370,054	-3,00%	107	- 3,400	370,315	-3,00%	370,749	370,449	-0,300	107	3,478	370,317	-3,00%	109	13,360	370,021	-3,00%	33	13,815	370,473
45+0,000			33	- 10,969	370,813	109	- 10,760	370,600	-3,00%	107	- 3,390	370,821	-3,00%	371,247	370,947	-0,300	107	3,446	370,830	-3,00%	109	11,570	370,586	-3,00%	33	12,238	371,252
46+0,000			33	- 10,482	371,837	109	- 9,990	371,349	-3,00%	107	- 3,404	371,547	-3,00%	371,964	371,664	-0,300	107	3,427	371,531	-3,00%	109	10,200	371,328	-3,00%	33	10,949	372,074

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		BR-262																									
			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO										
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
46+3,555			33	- 10,445	371,997	109	- 9,930	371,481	-3,00%	107	- 3,409	371,677	-3,00%	372,093	371,793	-0,300	107	3,426	371,649	-3,00%	109	10,080	371,455	-3,00%	33	10,847	372,221
46+16,910			33	- 10,361	372,390	109	- 9,930	371,958	-3,00%	107	- 3,425	372,153	-3,00%	372,555	372,255	-0,300	107	3,452	372,128	-3,00%	109	9,930	371,934	-3,00%	33	10,679	372,683
47+0,000			33	- 10,336	372,474	109	- 9,930	372,067	-3,00%	107	- 3,428	372,262	-3,00%	372,660	372,360	-0,300	107	3,463	372,240	-3,00%	109	9,930	372,046	-3,00%	33	10,652	372,769
47+9,555			33	- 10,297	372,772	109	- 9,930	372,404	-3,00%	107	- 3,438	372,599	-3,00%	372,987	372,687	-0,300	107	3,493	372,586	-3,00%	109	9,930	372,393	-3,00%	33	10,570	373,033
48+0,000			33	- 9,692	373,086	109	- 9,390	372,788	-3,00%	107	- 3,450	372,966	-3,00%	373,374	373,074	-0,300	107	3,461	372,955	-3,00%	109	9,930	372,761	-3,00%	33	10,492	373,324
49+0,000			33	- 8,418	373,748	109	- 8,210	373,536	-3,00%	107	- 3,493	373,677	-3,00%	374,086	373,786	-0,300	107	3,464	373,684	-3,00%	109	9,930	373,490	-3,00%	33	10,333	373,893
49+9,014		PCV	33	- 7,886	374,127	109	- 7,630	373,872	-3,00%	107	- 3,520	373,995	-3,00%	374,397	374,097	-0,300	107	3,481	374,019	-3,00%	109	9,930	373,825	-3,00%	33	10,244	374,140
49+14,308			33	- 7,915	374,321	109	- 7,630	374,036	-3,00%	107	- 3,542	374,158	-3,00%	374,576	374,276	-0,300	107	3,443	374,200	-3,00%	109	9,930	374,005	-3,00%	33	10,275	374,351
50+0,000			33	- 7,940	374,523	109	- 7,630	374,212	-3,00%	107	- 3,565	374,334	-3,00%	374,769	374,469	-0,300	107	3,402	374,395	-3,00%	109	9,930	374,199	-3,00%	33	10,366	374,636
50+3,176			33	- 7,950	374,631	109	- 7,630	374,310	-3,00%	107	- 3,578	374,432	-3,00%	374,876	374,576	-0,300	107	3,379	374,503	-3,00%	109	9,930	374,307	-3,00%	33	10,421	374,799
50+16,910		PTV	33	- 7,480	374,705	109	- 7,440	374,730	-3,00%	107	- 3,576	374,846	-3,00%	375,289	374,989	-0,300	107	3,328	374,906	-3,00%	109	9,200	374,730	-3,00%	33	10,007	375,533
50+19,555			33	- 7,704	374,635	109	- 7,440	374,809	-3,00%	107	- 3,572	374,925	-3,00%	375,364	375,064	-0,300	107	3,322	374,978	-3,00%	109	9,070	374,806	-3,00%	33	9,507	375,245
51+0,000			33	-	-	109	-	-	-	107	-	-	-	375,376	375,076	-0,300	107	3,291	374,991	-3,00%	109	9,050	374,818	-3,00%	33	9,398	375,172
52+0,000			33	-	-	109	-	-	-	107	-	-	-	375,916	375,616	-0,300	107	3,329	375,490	-3,00%	109	8,560	375,333	-3,00%	33	12,056	373,002
53+0,000			33	-	-	109	-	-	-	107	-	-	-	376,435	376,135	-0,300	107	3,357	375,977	-3,00%	109	7,000	375,868	-3,00%	33	7,200	376,072
53+1,663			33	-	-	109	-	-	-	107	-	-	-	376,486	376,186	-0,300	107	3,359	376,018	-3,00%	109	6,910	375,911	-3,00%	33	7,116	376,113
54+0,000			33	-	-	109	-	-	-	107	-	-	-	377,019	376,719	-0,300	107	3,378	376,549	-3,00%	109	7,210	376,434	-3,00%	33	7,300	376,523
54+4,001		PCV	33	-	-	109	-	-	-	107	-	-	-	377,132	376,832	-0,300	107	3,382	376,674	-3,00%	109	7,140	376,677	-3,00%	33	7,256	376,677
54+6,910			33	-	-	109	-	-	-	107	-	-	-	377,215	376,915	-0,300	107	3,385	376,765	-3,00%	109	7,000	376,657	-3,00%	33	7,167	376,827

5.1.4.Interseção Est.719+0,000

5.1.4.1. Ramo 100

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 719+0,000 - Ramo 100																					
			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
102+8,482			33	- 7,500	319,686	109	- 7,500	328,543	6,00%	107	- 6,500	328,483	6,00%	319,664	328,093	8,429	109	4,490	327,824	-6,00%	33	21,221	319,734
102+10,000	EC		33	- 7,500	319,696	109	- 7,500	328,497	6,00%	107	- 6,500	328,437	6,00%	319,669	328,047	8,378	109	4,520	327,776	-6,00%	33	21,180	319,735
103+0,000			33	- 26,513	319,773	109	- 9,190	328,257	6,00%	107	- 6,500	328,096	6,00%	319,696	327,706	8,011	109	4,520	327,435	-6,00%	33	20,684	319,726
104+0,000		PTV	33	- 20,511	319,828	109	- 9,190	327,378	6,00%	107	- 6,500	327,216	6,00%	319,735	326,826	7,092	109	4,520	326,555	-6,00%	33	14,790	319,708
105+0,000			33	- 19,007	319,818	109	- 9,190	326,365	6,00%	107	- 6,500	326,204	6,00%	319,775	325,814	6,039	109	4,520	325,543	-6,00%	33	13,243	319,727
106+0,000			33	- 17,563	319,768	109	- 9,190	325,353	6,00%	107	- 6,500	325,192	6,00%	319,731	324,802	5,071	109	4,520	324,531	-6,00%	33	11,799	319,678
107+0,000			33	- 11,527	319,365	109	- 9,190	324,341	6,00%	107	- 6,500	324,179	6,00%	319,475	323,789	4,315	109	4,520	323,518	-6,00%	33	10,435	319,575
107+7,992			33	- 10,542	319,497	109	- 9,190	323,936	6,00%	107	- 6,500	323,775	10,62%	319,577	323,085	3,508	109	4,520	323,140	6,00%	33	9,723	319,645
107+9,193			33	- 10,463	319,517	109	- 9,200	323,874	6,00%	107	- 6,500	323,714	6,00%	319,593	323,324	3,731	109	4,510	323,056	-6,00%	33	9,620	319,652
108+0,000			33	- 10,560	319,703	109	- 9,190	323,328	6,00%	107	- 6,500	323,167	6,00%	319,722	322,777	3,056	109	4,520	322,506	-6,00%	33	8,688	319,727
108+17,500		PCV	33	- 13,057	319,861	109	- 9,190	322,442	6,00%	107	- 6,500	322,281	6,00%	319,873	321,891	2,018	109	4,520	321,620	-6,00%	33	7,165	319,856
109+0,000			33	- 12,857	319,871	109	- 9,190	322,318	6,00%	107	- 6,500	322,157	6,00%	319,894	321,767	1,872	109	4,520	321,496	-6,00%	33	6,951	319,875
110+0,000			33	- 11,662	319,818	109	- 9,190	321,469	6,00%	107	- 6,500	321,308	6,00%	319,924	320,918	0,994	109	4,520	320,647	-6,00%	33	5,528	319,974
111+0,000			33	- 11,308	319,467	109	- 9,190	320,882	6,00%	107	- 6,500	320,721	6,00%	319,428	320,331	0,903	109	4,520	320,060	-6,00%	33	5,280	319,553
111+4,054			33	- 11,123	319,504	109	- 9,190	320,795	6,00%	107	- 6,500	320,634	6,00%	319,386	320,244	0,858	109	4,520	319,973	-6,00%	33	5,340	319,425
112+0,000			33	- 10,944	319,240	109	- 9,230	320,381	4,07%	107	- 6,500	320,270	4,07%	319,519	320,006	0,487	109	4,420	319,826	-5,00%	33	4,945	319,476
112+5,984	CE		33	- 10,612	319,360	109	- 7,500	320,210	3,34%	107	- 6,500	320,177	3,34%	319,447	319,959	0,512	109	4,370	319,813	-5,00%	33	4,797	319,528
112+12,952			33	- 7,500	319,189	109	- 7,500	320,122	2,50%	107	- 6,500	320,097	2,50%	319,304	319,935	0,631	109	4,360	319,717	-5,01%	33	4,724	319,472

5.1.4.2. Ramo 200

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 719+0,000 - Ramo 200																					
ESTACA			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
202+4,153			33	- 7,500	319,177	109	- 7,500	320,068	2,50%	107	- 6,500	320,043	2,50%	318,917	319,881	0,963	109	4,190	319,776	-5,00%	33	4,821	319,353
202+10,000	EC		33	- 7,500	318,987	109	- 7,500	320,152	3,18%	107	- 6,500	320,120	3,18%	319,184	319,913	0,729	109	4,360	318,774	-5,00%	33	4,797	319,482
203+0,000			33	- 11,519	318,889	109	- 9,230	230,418	4,35%	107	- 6,500	320,299	4,35%	319,525	320,016	0,492	109	4,440	319,823	-5,00%	33	4,822	319,569
203+14,112			33	- 11,116	319,531	109	- 9,190	320,818	6,00%	107	- 6,500	320,657	6,00%	319,449	320,267	0,818	109	4,520	319,996	-6,00%	33	5,361	319,435
203+15,000			33	- 11,156	319,525	109	- 9,180	320,840	6,00%	107	- 6,500	320,677	6,00%	319,444	320,287	0,844	109	4,520	320,016	-6,00%	33	5,403	319,427
204+0,000			33	- 11,397	319,485	109	- 9,190	320,959	6,00%	107	- 6,500	320,798	6,00%	319,409	320,408	0,999	109	4,520	320,137	-6,00%	33	5,664	319,374
205+0,000			33	- 12,497	319,389	109	- 9,190	321,596	6,00%	107	- 6,500	321,435	6,00%	319,305	321,045	1,741	109	4,520	320,774	-6,00%	33	6,789	319,261
206+0,000		PTV	33	- 11,574	319,339	109	- 9,190	322,480	6,00%	107	- 6,500	322,318	6,00%	319,272	321,928	2,656	109	4,520	321,657	-6,00%	33	8,090	319,277
206+17,628			33	- 9,917	319,317	109	- 9,190	323,366	6,00%	107	- 6,500	323,205	6,00%	319,352	322,815	3,463	109	4,520	322,544	-6,00%	33	9,318	319,345
207+0,000			33	- 9,991	319,315	109	- 9,190	323,486	6,00%	107	- 6,500	323,324	6,00%	319,351	322,934	3,583	109	4,520	322,663	-6,00%	33	9,484	319,353
208+0,000			33	- 13,608	319,409	109	- 9,190	324,491	6,00%	107	- 6,500	324,330	6,00%	319,382	323,940	4,559	109	4,520	323,669	-6,00%	33	11,022	319,334
209+0,000			33	- 18,278	319,436	109	- 9,190	325,497	6,00%	107	- 6,500	325,336	6,00%	319,235	324,946	5,711	109	4,520	324,675	-6,00%	33	12,617	319,277
210+0,000			33	- 20,013	319,285	109	- 9,190	326,503	6,00%	107	- 6,500	326,342	6,00%	319,249	325,952	6,703	109	4,520	325,681	-6,00%	33	14,184	319,238
210+5,000		PCV	33	- 20,325	319,329	109	- 9,190	326,755	6,00%	107	- 6,500	326,594	6,00%	319,288	326,204	6,916	109	4,520	325,933	-6,00%	33	14,579	319,226
211+0,000			33	- 26,018	319,289	109	- 9,190	327,444	6,00%	107	- 6,500	327,283	6,00%	319,242	326,893	7,651	109	4,520	326,622	-6,00%	33	15,623	319,219
211+5,255	CE		33	- 7,500	319,237	109	- 7,500	327,553	6,00%	107	- 6,500	327,494	6,01%	319,218	327,104	7,885	109	4,520	326,832	-6,00%	33	15,935	319,222
211+8,651			33	- 7,500	319,252	109	- 7,500	327,681	6,00%	107	- 6,500	327,621	6,00%	319,206	327,231	8,025	109	4,420	326,966	-6,00%	33	16,122	319,224

5.1.4.3. Ramo 300

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 719+0,000 - Ramo 300																					
			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
302+8,484			33	- 7,500	319,202	109	- 7,500	328,093	6,00%	107	- 6,500	328,033	6,00%	319,214	327,643	8,429	109	4,490	327,374	-6,00%	33	21,170	319,320
302+10,000	EC		33	- 7,500	319,209	109	- 7,500	328,052	6,00%	107	- 6,500	327,992	6,00%	319,230	327,602	8,372	109	4,520	327,331	-6,00%	33	21,127	319,326
302+15,000			33	- 26,888	319,277	109	- 9,190	328,011	6,00%	107	- 6,500	327,851	6,00%	319,284	327,460	8,176	109	4,520	327,189	-6,00%	33	20,887	319,344
303+0,000			33	- 26,613	319,307	109	- 9,190	327,859	6,00%	107	- 6,500	327,697	6,00%	319,339	327,307	7,969	109	4,520	327,036	-6,00%	33	20,630	319,362
304+0,000			33	- 20,986	319,274	109	- 9,190	327,141	6,00%	107	- 6,500	326,980	6,00%	319,380	326,590	7,209	109	4,520	326,318	-6,00%	33	14,823	319,449
305+0,000			33	- 19,586	319,318	109	- 9,190	326,252	6,00%	107	- 6,500	326,090	6,00%	319,379	325,700	6,321	109	4,520	325,429	-6,00%	33	13,752	319,274
305+5,000		PTV	33	- 19,165	319,350	109	- 9,190	326,003	6,00%	107	- 6,500	325,841	6,00%	319,262	325,451	6,189	109	4,520	325,180	-6,00%	33	13,507	319,188
306+0,000			33	- 17,556	319,210	109	- 9,190	325,239	6,00%	107	- 6,500	325,078	6,00%	319,208	324,688	5,480	109	4,520	324,417	-6,00%	33	12,333	319,208
307+0,000			33	- 12,175	319,420	109	- 9,190	324,222	6,00%	107	- 6,500	324,061	6,00%	319,393	323,671	4,278	109	4,520	323,399	-6,00%	33	10,558	319,373
307+7,992			33	- 11,528	319,390	109	- 9,190	323,815	6,00%	107	- 6,500	323,654	6,00%	319,351	323,264	3,913	109	4,520	322,993	-6,00%	33	9,996	319,341
308+0,000			33	- 12,042	319,335	109	- 9,190	323,204	6,00%	107	- 6,500	323,043	6,00%	319,288	322,653	3,365	109	4,520	322,382	-6,00%	33	9,152	319,293
308+15,000		PCV	33	- 13,928	319,279	109	- 9,190	322,441	6,00%	107	- 6,500	322,280	6,00%	319,229	321,890	2,661	109	4,520	321,619	-6,00%	33	8,095	319,235
309+0,000			33	- 13,601	319,251	109	- 9,190	322,194	6,00%	107	- 6,500	322,033	6,00%	319,211	321,643	2,433	109	4,520	321,372	-6,00%	33	7,749	319,219
310+0,000			33	- 12,413	319,211	109	- 9,190	321,363	6,00%	107	- 6,500	321,202	6,00%	319,204	320,812	1,608	109	4,520	320,541	-6,00%	33	6,521	319,206
311+0,000			33	- 11,480	319,250	109	- 9,190	320,780	6,00%	107	- 6,500	320,619	6,00%	319,325	320,229	0,903	109	4,520	319,958	-6,00%	33	5,419	319,358
311+7,206			33	- 11,303	319,219	109	- 9,190	320,631	6,00%	107	- 6,500	320,470	6,00%	319,259	320,080	0,821	109	4,520	319,808	-6,00%	33	5,286	319,297
312+0,000			33	- 11,274	318,958	109	- 9,220	320,330	4,73%	107	- 6,500	320,201	4,73%	319,261	319,894	0,633	109	4,520	319,646	-5,00%	33	5,034	319,305
312+5,984	CE		33	- 7,500	319,025	109	- 7,500	320,452	4,13%	107	- 6,500	320,111	4,13%	319,408	319,842	0,435	109	4,510	319,606	-5,00%	33	5,104	319,206
312+12,323			33	- 7,500	319,442	109	- 7,500	320,122	3,50%	107	- 6,500	320,081	3,50%	319,260	319,812	0,552	109	4,510	319,575	-5,00%	33	4,847	319,347

5.1.4.4. Ramo 400

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 719+0,000 - Ramo 400

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM											COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
402+5,198			33	- 7,500	319,435	109	- 7,500	320,179	2,50%	107	- 6,500	320,148	2,50%	319,273	319,947	0,674	109	4,430	319,726	-5,00%	33	4,802	319,476
402+10,000	EC		33	- 7,500	319,341	109	- 7,500	320,232	3,09%	107	- 6,500	320,201	3,09%	319,368	320,000	0,632	109	4,500	319,768	-5,00%	33	4,850	319,534
402+10,408			33	- 7,500	320,541	109	- 7,500	320,230	3,14%	107	- 6,500	320,210	3,14%	320,005	320,005	0,000	109	4,490	319,772	-5,00%	33	4,857	319,534
403+0,000			33	- 11,064	319,325	109	- 9,230	320,551	4,32%	107	- 6,500	320,433	4,32%	319,532	320,153	0,620	109	4,530	319,903	-5,00%	33	5,075	319,536
403+10,000			33	- 11,293	319,475	109	- 9,380	320,752	5,54%	107	- 7,500	320,779	5,54%	319,553	320,363	0,810	109	4,510	320,098	-5,54%	33	5,285	319,585
403+13,714			33	- 11,419	319,518	109	- 9,190	321,007	6,00%	107	- 6,500	320,846	6,00%	319,597	320,456	0,858	109	4,520	320,184	-6,00%	33	5,323	319,649
404+0,000			33	- 11,512	319,631	109	- 9,190	321,182	6,00%	107	- 6,500	321,021	6,00%	319,718	320,631	0,913	109	4,530	320,097	-6,00%	33	5,297	319,585
405+0,000			33	- 12,414	319,739	109	- 9,190	321,891	6,00%	107	- 6,500	321,730	6,00%	319,749	321,340	1,591	109	4,520	321,069	-6,00%	33	6,492	319,754
406+0,000		PTV	33	- 13,563	319,914	109	- 9,190	322,832	6,00%	107	- 6,500	322,671	6,00%	319,886	322,281	2,395	109	4,520	322,010	-6,00%	33	7,775	319,839
406+17,628			33	- 11,050	319,890	109	- 9,190	323,763	6,00%	107	- 6,500	323,602	6,00%	319,876	323,212	3,336	109	4,520	322,941	-6,00%	33	9,166	319,843
407+0,000			33	- 11,237	319,913	109	- 9,190	323,889	6,00%	107	- 6,500	323,728	6,00%	319,872	323,338	3,466	109	4,520	323,066	-6,00%	33	9,361	319,839
408+0,000			33	- 15,751	319,878	109	- 9,190	324,945	6,00%	107	- 6,500	324,784	6,00%	319,867	324,394	4,526	109	4,520	324,123	-6,00%	33	10,945	319,839
409+0,000			33	- 18,304	319,923	109	- 9,190	326,002	6,00%	107	- 6,500	325,840	6,00%	319,872	325,450	5,578	109	4,520	325,179	-6,00%	33	12,421	319,911
410+0,000			33	- 20,014	319,839	109	- 9,190	327,058	6,00%	107	- 6,500	326,897	6,00%	319,816	326,507	6,691	109	4,520	326,236	-6,00%	33	14,129	319,829
410+3,651			33	- 20,337	319,817	109	- 9,190	327,251	6,00%	107	- 6,500	327,090	6,00%	319,757	326,700	6,942	109	4,520	326,429	-6,00%	33	14,488	319,783
410+5,000		PCV	33	- 20,379	319,856	109	- 9,190	327,317	5,95%	107	- 6,500	327,157	5,95%	319,736	326,771	7,035	109	4,520	326,502	-5,95%	33	14,623	319,765
411+0,000			33	- 26,143	319,749	109	- 9,200	327,977	5,35%	107	- 6,500	327,833	5,35%	319,701	327,485	7,785	109	4,500	327,245	-5,35%	33	15,959	319,604
411+3,470			33	- 26,378	319,725	109	- 9,340	328,020	5,21%	107	- 6,500	328,019	5,21%	319,706	327,629	7,923	109	4,490	327,395	-5,21%	33	20,764	319,614
411+5,255	CE		33	- 7,500	319,741	109	- 7,500	328,084	5,14%	107	- 6,500	328,033	5,14%	319,701	327,699	7,998	109	4,490	327,468	-5,14%	33	20,885	319,605
411+8,651			33	- 7,500	319,746	109	- 7,500	323,488	5,00%	107	- 6,500	323,437	5,00%	319,689	323,103	3,414	109	4,420	322,876	-5,00%	33	9,330	319,600

5.1.4.5. Ramo 500

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 719+0,000 - Ramo 500																					
			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
503+6,485			33	- 6,000	319,747	109	- 6,000	319,801	3,00%	107	- 5,000	319,771	3,00%	319,393	319,621	0,228	109	4,100	319,415	-5,00%	33	4,104	319,651
503+16,643			33	- 6,000	319,350	109	- 6,000	319,923	4,22%	107	- 5,000	319,881	4,22%	319,451	319,670	0,220	109	4,230	319,443	-5,00%	33	4,229	319,618
504+0,000			33	- 8,548	319,498	109	- 7,720	320,052	4,62%	107	- 5,000	319,926	4,62%	319,508	319,695	0,187	109	4,240	319,460	-5,00%	33	4,235	319,638
504+7,040			33	- 9,336	319,089	109	- 7,700	320,181	5,47%	107	- 5,000	320,033	5,47%	319,760	319,760	0,000	109	4,330	319,508	-5,47%	33	4,325	319,632
504+11,485			33	- 9,388	319,136	109	- 7,690	320,271	6,00%	107	- 5,000	320,110	6,00%	319,637	319,810	0,173	109	4,390	319,547	-6,00%	33	4,389	319,626
505+0,000			33	- 9,314	319,302	109	- 7,690	320,388	6,00%	107	- 5,000	320,227	6,00%	319,628	319,927	0,299	109	4,520	319,656	-6,00%	33	4,610	319,595
505+5,000			33	- 8,894	319,663	109	- 7,690	320,469	6,00%	107	- 5,000	320,308	6,00%	319,620	320,007	0,388	109	4,520	319,736	-6,00%	33	4,790	319,556
505+14,081	CE		33	- 9,145	319,665	109	- 7,690	320,638	6,00%	107	- 5,000	320,477	6,00%	319,544	320,177	0,633	109	4,520	319,906	-6,00%	33	5,149	319,486
506+0,000			33	- 9,407	319,582	109	- 7,700	320,721	5,41%	107	- 5,000	320,575	5,41%	319,483	320,304	0,821	109	4,510	320,042	-5,80%	33	5,390	319,457
507+0,000			33	- 10,068	319,544	109	- 7,750	321,091	3,41%	107	- 5,000	320,997	3,41%	319,787	320,827	1,040	109	4,500	320,596	-5,00%	33	5,778	319,741
507+4,081			33	- 9,884	319,767	109	- 7,760	321,184	3,00%	107	- 5,000	321,101	3,00%	319,817	320,951	1,134	109	4,490	320,727	-5,00%	33	5,930	319,765
507+5,000		PTV	33	- 9,875	319,802	109	- 7,760	321,213	3,00%	107	- 5,000	321,130	3,00%	319,826	320,980	1,154	109	4,490	320,756	-5,00%	33	5,961	319,773
507+14,081			33	- 10,326	319,788	109	- 7,760	321,500	3,00%	107	- 5,000	321,417	3,00%	319,858	321,267	1,410	109	4,490	321,043	-5,00%	33	6,266	319,856
508+0,000			33	- 10,616	319,782	109	- 7,760	321,687	3,00%	107	- 5,000	321,604	3,00%	319,853	321,454	1,601	109	4,490	321,230	-5,00%	33	6,487	319,897
508+10,000		PCV	33	- 11,189	319,716	109	- 7,760	322,003	3,00%	107	- 5,000	321,920	3,00%	319,715	321,770	2,056	109	4,490	321,546	-5,00%	33	7,285	319,681
508+14,081	ET		33	- 11,234	319,813	109	- 7,760	322,130	3,00%	107	- 5,000	322,077	3,00%	319,722	321,897	2,175	109	4,490	321,673	-5,00%	33	7,458	319,692
509+0,000			33	- 11,473	319,830	109	- 7,760	322,307	3,00%	107	- 5,000	322,224	3,00%	319,733	322,074	2,340	109	4,490	321,850	-5,00%	33	7,701	319,706
510+0,000			33	- 12,233	319,856	109	- 7,760	322,839	3,00%	107	- 5,000	322,757	3,00%	319,771	322,607	2,836	109	4,490	322,382	-5,00%	33	8,425	319,756
510+4,081			33	- 12,380	319,855	109	- 7,760	322,936	3,00%	107	- 5,000	322,853	3,00%	319,779	322,703	2,925	109	4,490	322,479	-5,00%	33	8,555	319,767
511+0,000			33	- 10,044	319,772	109	- 7,990	323,121	3,00%	107	- 5,000	323,190	3,00%	319,733	323,040	3,307	109	4,490	322,816	-5,00%	33	9,112	319,732
511+4,081			33	- 9,486	319,736	109	- 7,760	323,349	3,00%	107	- 5,000	323,266	3,00%	319,676	323,116	3,440	109	4,490	322,892	-5,00%	33	9,325	319,667
512+0,000			33	- 8,633	319,510	109	- 7,760	323,607	3,00%	107	- 5,000	323,524	3,00%	319,455	323,374	3,920	109	4,490	323,150	-5,00%	33	10,097	319,410
512+15,000			33	- 9,701	319,409	109	- 7,760	323,793	3,00%	107	- 5,000	323,710	3,00%	319,303	323,560	4,257	109	4,490	323,336	-5,00%	33	10,710	319,187
513+0,000			33	- 10,461	319,479	109	- 7,760	232,842	3,00%	107	- 5,000	323,759	3,00%	319,365	323,609	4,244	109	4,490	323,385	-5,00%	33	10,601	319,309
514+0,000			33	- 13,995	319,820	109	- 7,760	323,978	3,00%	107	- 5,000	323,925	3,00%	319,832	323,745	3,913	109	4,490	323,521	-5,00%	33	10,029	319,826
515+0,000			33	- 14,035	319,830	109	- 7,760	324,014	3,00%	107	- 5,000	323,932	3,00%	319,830	323,782	3,952	109	4,490	323,557	-5,00%	33	10,065	319,838
515+0,060			33	- 14,035	319,830	109	- 7,760	324,014	3,00%	107	- 5,000	323,932	3,00%	319,830	323,782	3,951	109	4,490	323,557	-5,00%	33	10,065	319,838
516+0,000			33	- 13,926	319,840	109	- 7,760	323,952	3,00%	107	- 5,000	323,869	3,00%	319,836	323,719	3,883	109	4,490	323,495	-5,00%	33	9,967	319,841
516+0,060			33	- 13,926	319,840	109	- 7,760	323,951	3,00%	107	- 5,000	323,951	3,00%	319,836	323,719	3,883	109	4,490	323,494	-5,00%	33	9,966	319,842
517+0,000		PTV	33	- 13,661	319,855	109	- 7,760	323,790	3,00%	107	- 5,000	323,707	3,00%	319,885	323,557	3,672	109	4,490	323,333	-5,00%	33	9,609	319,918
517+10,060	TE		33	- 13,479	319,876	109	- 7,760	323,690	3,00%	107	- 5,000	323,607	3,00%	319,880	323,457	3,577	109	4,490	323,233	-5,00%	33	9,431	319,936
518+0,000			33	- 13,320	319,895	109	- 7,760	323,603	3,00%	107	- 5,000	323,520	3,00%	319,881	323,370	3,489	109	4,490	323,146	-5,00%	33	9,312	319,929
518+10,060			33	- 13,193	319,904	109	- 7,760	323,527	3,00%	107	- 5,000	323,474	3,00%	319,910	323,294	3,384	109	4,490	323,070	-5,00%	33	9,249	319,895
519+0,000			33	- 13,054	319,934	109	- 5,000	323,465	3,00%	107	- 5,000	323,382	3,00%	319,956	323,232	3,275	109	4,490	323,007	-5,00%	33	9,086	319,941
519+0,060			33	- 13,053	319,934	109	- 7,760	323,464	3,00%	107	- 5,000	323,381	3,00%	319,957	323,231	3,275	109	4,490	323,007	-5,00%	33	9,085	319,942
520+0,000			33	- 12,982	320,012	109	- 7,710	323,527	4,99%	107	- 5,000	323,392	4,99%	320,046	323,142	3,096	109	4,540	322,885	-5,00%	33	8,849	320,010
520+5,000			33	- 13,019	320,003	109	- 7,700	323,552	5,49%	107	- 5,000	323,402	5,49%	320,069	323,128	3,058	109	4,530	322,864	-5,49%	33	8,766	320,037
520+10,060	EC		33	- 13,075	319,984	109	- 7,690	323,577	6,00%	107	- 5,000	323,476	6,00%	320,093	323,116	3,022	109	4,520	322,845	-6,00%	33	8,686	320,067
521+0,000			33	- 13,081	319,966	109	- 7,690	323,563	6,00%	107	- 5,000	323,402	6,00%	320,088	323,102	3,013	109	4,520	322,830	-6,00%	33	8,586	320,119
521+4,781			33	- 13,072	319,969	109	- 7,690	323,560	6,00%	107	- 5,000	323,399	6,00%	320,069	323,099	3,030	109	4,520	322,828	-6,00%	33	8,571	320,127
521+9,317			33	- 6,000	319,988	109	- 6,000	353,459	6,00%	107	- 5,000	323,399	6,00%	320,051	323,099	3,048	109	4,520	322,828	-6,00%	33	8,563	320,132
521+15,037			33	- 6,000	320,017	109	- 6,000	323,463	6,00%	107	- 5,000	323,403	6,00%	320,038	323,103	3,065	109	4,520	322,832	-6,00%	33	8,562	320,137

5.1.4.6. Ramo 600

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 719+0,000 - Ramo 600																					
			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
603+10,113			33	- 6,000	320,101	109	- 6,000	323,929	5,70%	107	- 5,000	323,872	5,70%	320,131	323,587	3,456	109	4,510	323,330	-5,70%	33	9,221	320,189
604+0,000			33	- 6,000	320,102	109	- 6,000	324,020	5,70%	107	- 5,000	323,963	5,70%	320,132	323,678	3,547	109	4,510	323,421	-5,70%	33	9,366	320,184
604+5,001		PTV/PCV	33	- 13,891	320,042	109	- 7,870	324,054	5,70%	107	- 5,000	324,021	5,70%	320,129	323,736	3,607	109	4,510	323,479	-5,70%	33	9,464	320,176
604+19,194			33	- 14,083	320,057	109	- 7,690	324,317	5,70%	107	- 5,000	324,164	5,70%	320,108	323,879	3,771	109	4,510	323,622	-5,70%	33	9,699	320,162
605+0,000			33	- 14,092	320,057	109	- 7,690	324,323	5,70%	107	- 5,000	324,170	5,70%	320,106	323,885	3,778	109	4,510	323,628	-5,70%	33	9,709	320,162
606+0,000			33	- 14,211	320,065	109	- 7,690	324,411	5,70%	107	- 5,000	324,257	5,70%	320,171	323,972	3,801	109	4,510	323,715	-5,70%	33	9,854	320,152
606+9,817			33	- 14,174	320,086	109	- 7,690	324,407	5,70%	107	- 5,000	324,254	5,70%	320,162	323,969	3,807	109	4,510	323,711	-5,70%	33	9,909	320,112
606+18,388	CE		33	- 14,044	320,096	109	- 7,710	324,317	4,89%	107	- 5,000	324,185	4,89%	320,101	323,940	3,840	109	4,520	323,692	-5,00%	33	9,937	320,082
607+0,000			33	- 14,016	320,097	109	- 7,720	324,298	4,73%	107	- 5,000	324,169	4,73%	320,088	323,932	3,844	109	4,520	323,686	-5,00%	33	9,932	320,078
607+18,238			33	- 13,740	320,030	109	- 7,760	324,018	3,00%	107	- 5,000	323,935	3,00%	320,038	323,785	3,747	109	4,490	323,561	-5,00%	33	9,778	320,034
608+0,000			33	- 13,726	320,020	109	- 7,760	323,998	3,00%	107	- 5,000	323,916	3,00%	320,030	323,766	3,736	109	4,490	323,541	-5,00%	33	9,758	320,027
609+0,000			33	- 13,411	319,936	109	- 7,760	323,622	3,00%	107	- 5,000	323,622	3,00%	319,988	323,472	3,484	109	4,490	323,247	-5,00%	33	9,331	320,018
609+14,999		PTV	33	- 12,045	319,877	109	- 7,760	323,401	3,00%	107	- 5,000	323,318	3,00%	319,936	323,168	3,232	109	4,490	322,943	-5,00%	33	8,877	320,017
609+18,388	ET		33	- 11,230	321,009	109	- 7,760	323,324	3,00%	107	- 5,000	323,241	3,00%	319,950	323,091	3,141	109	4,490	322,867	-5,00%	33	8,742	320,030
610+0,000			33	- 10,874	319,873	109	- 7,760	323,287	3,00%	107	- 5,000	323,205	3,00%	319,957	323,055	3,098	109	4,490	322,830	-5,00%	33	8,678	320,036
611+0,000			33	- 8,239	319,919	109	- 7,760	322,835	3,00%	107	- 5,000	322,752	3,00%	319,974	322,602	2,628	109	4,490	322,378	-5,00%	33	8,011	320,028
611+14,010	TE		33	- 8,351	319,904	109	- 7,760	322,517	3,00%	107	- 5,000	322,435	3,00%	319,887	322,285	2,398	109	4,490	322,060	-5,00%	33	7,767	319,873
611+17,630			33	- 8,638	319,910	109	- 7,760	322,436	3,00%	107	- 5,000	322,353	3,00%	319,892	322,203	2,311	109	4,490	321,978	-5,00%	33	7,642	319,876
612+0,000			33	- 8,889	319,913	109	- 7,760	322,382	3,00%	107	- 5,000	322,299	3,00%	319,895	322,149	2,254	109	4,490	321,925	-5,00%	33	7,561	319,876
613+0,000			33	- 10,921	319,821	109	- 7,760	321,929	3,00%	107	- 5,000	321,846	3,00%	319,844	321,696	1,853	109	4,490	321,472	-5,00%	33	6,910	319,857
613+7,151			33	- 10,762	319,765	109	- 7,760	321,767	3,00%	107	- 5,000	321,685	3,00%	319,804	321,535	1,730	109	4,490	321,310	-5,00%	33	6,692	319,840
614+0,000			33	- 10,459	319,762	109	- 7,720	321,586	4,44%	107	- 5,000	321,465	4,44%	319,821	321,244	1,423	109	4,500	320,997	-5,48%	33	6,216	319,854
614+14,010	EC		33	- 10,099	319,779	109	- 7,690	321,388	6,00%	107	- 5,000	321,227	6,00%	319,826	320,927	1,101	109	4,520	320,655	-6,00%	33	5,723	319,853
614+15,000		PCV	33	- 10,066	319,779	109	- 7,690	321,365	6,00%	107	- 5,000	321,204	6,00%	319,826	320,904	1,078	109	4,520	320,633	-6,00%	33	5,690	319,853
615+0,000			33	- 9,918	319,767	109	- 7,690	321,256	6,00%	107	- 5,000	321,094	6,00%	319,825	320,794	0,970	109	4,520	320,523	-6,00%	33	5,530	319,849
616+0,000			33	- 9,421	319,730	109	- 7,690	320,887	6,00%	107	- 5,000	320,726	6,00%	319,804	320,426	0,622	109	4,520	320,155	-6,00%	33	5,052	319,800
616+12,193			33	- 9,551	319,474	109	- 7,690	320,717	6,00%	107	- 5,000	320,556	6,00%	319,758	320,256	0,498	109	4,520	319,985	-6,00%	33	4,852	319,763
616+15,000			33	- 9,576	319,409	109	- 7,690	320,664	5,75%	107	- 5,000	320,510	5,75%	319,738	320,223	0,486	109	4,530	319,955	-5,75%	33	4,834	319,748
616+16,281			33	- 9,566	319,394	109	- 7,690	320,642	5,63%	107	- 5,000	320,490	5,63%	319,728	320,209	0,481	109	4,520	319,949	-5,63%	33	4,814	319,750
617+0,000			33	- 9,332	319,491	109	- 7,700	320,577	5,29%	107	- 5,000	320,434	5,29%	319,702	320,169	0,468	109	4,540	319,905	-5,29%	33	4,758	319,757
618+0,000			33	- 8,549	319,760	109	- 7,750	320,295	3,48%	107	- 5,000	320,199	3,48%	319,605	320,025	0,420	109	4,510	319,783	-5,00%	33	4,528	319,773
618+15,000		PTV	33	- 6,000	319,861	109	- 6,000	320,118	2,12%	107	- 5,000	320,097	2,13%	319,309	319,991	0,681	109	4,490	319,765	-5,00%	33	4,624	319,674
618+16,292			33	- 6,000	319,975	109	- 6,000	320,110	2,00%	107	- 5,000	320,090	1,99%	319,285	319,990	0,706	109	4,490	319,766	-5,00%	33	4,648	319,659

5.1.4.7. Ramo 700

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS

Dispositivo Est. 719+0,000 - Ramo 700

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM											COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
703+6,484			33	- 6,000	319,890	109	- 6,000	320,215	3,50%	107	- 5,000	320,180	3,50%	319,146	320,005	0,859	109	4,490	319,781	-5,00%	33	5,333	319,217
703+7,500		PCV	33	- 6,000	319,821	109	- 6,000	320,223	3,63%	107	- 5,000	320,187	3,63%	319,121	320,006	0,885	109	4,490	319,780	-5,00%	33	5,319	319,226
703+16,643			33	- 6,000	319,402	109	- 6,000	320,309	4,77%	107	- 5,000	320,262	4,78%	319,138	320,023	0,885	109	4,520	319,774	-5,00%	33	5,197	319,325
704+0,000			33	- 8,727	319,755	109	- 7,710	320,436	5,19%	107	- 5,000	320,296	5,19%	319,182	320,036	0,854	109	4,530	319,779	-5,19%	33	5,189	319,339
704+1,987			33	- 8,929	319,644	109	- 7,700	320,464	5,44%	107	- 5,000	320,618	5,44%	319,210	320,046	0,836	109	4,530	319,784	-5,44%	33	5,181	319,348
704+6,484			33	- 9,381	319,403	109	- 7,690	320,533	6,00%	107	- 5,000	320,372	6,00%	319,256	320,072	0,816	109	4,520	319,801	-6,00%	33	5,165	319,370
704+10,000			33	- 9,673	319,233	109	- 7,690	320,558	6,00%	107	- 5,000	320,397	6,00%	319,276	320,097	0,821	109	4,520	319,826	-6,00%	33	5,126	319,421
705+0,000			33	- 9,967	319,130	109	- 7,690	320,651	6,00%	107	- 5,000	320,490	6,00%	319,355	320,190	0,835	109	4,520	319,919	-6,00%	33	5,286	319,408
705+3,975	CE		33	- 9,864	319,245	109	- 7,690	320,697	6,00%	107	- 5,000	320,536	6,00%	319,341	320,236	0,895	109	4,520	319,965	-6,00%	33	5,397	319,380
705+12,500		PTV	33	- 9,742	319,391	109	- 7,710	320,748	5,15%	107	- 5,000	320,609	5,15%	319,404	320,351	0,947	109	4,530	320,092	-5,72%	33	5,510	319,441
706+0,000			33	- 9,847	319,388	109	- 7,910	320,678	4,40%	107	- 5,000	320,683	4,40%	319,460	320,464	1,003	109	4,500	320,218	-5,47%	33	5,580	319,498
706+13,975			33	- 9,924	319,462	109	- 7,760	320,905	3,00%	107	- 5,000	320,852	3,00%	319,461	320,672	1,212	109	4,490	320,448	-5,00%	33	6,027	319,421
707+0,000			33	- 10,087	319,443	109	- 7,760	320,995	3,00%	107	- 5,000	320,942	3,00%	319,398	320,762	1,364	109	4,490	320,538	-5,00%	33	6,256	319,358
707+3,975			33	- 10,209	319,421	109	- 7,760	321,055	3,00%	107	- 5,000	320,972	3,00%	319,357	320,822	1,465	109	4,490	320,598	-5,00%	33	6,405	319,318
708+0,000			33	- 10,698	319,334	109	- 7,760	321,294	3,00%	107	- 5,000	321,211	3,00%	319,286	321,061	1,775	109	4,490	320,837	-5,00%	33	6,763	319,320
708+3,975	ET		33	- 10,816	319,315	109	- 7,760	321,354	3,00%	107	- 5,000	321,271	3,00%	319,295	321,121	1,826	109	4,490	320,896	-5,00%	33	6,828	319,336
709+0,000			33	- 11,379	319,179	109	- 7,760	321,593	3,00%	107	- 5,000	321,510	3,00%	319,290	321,360	2,071	109	4,490	321,136	-5,00%	33	7,161	319,353
709+13,975			33	- 11,629	319,222	109	- 7,760	321,802	3,00%	107	- 5,000	321,719	3,00%	319,288	321,569	2,281	109	4,490	321,345	-5,00%	33	7,474	319,353
710+0,000			33	- 11,707	319,259	109	- 7,760	321,892	3,00%	107	- 5,000	321,809	3,00%	319,326	321,659	2,333	109	4,490	321,435	-5,00%	33	7,585	319,369
710+13,975			33	- 11,976	319,289	109	- 7,760	322,101	3,00%	107	- 5,000	322,018	3,00%	319,355	321,868	2,513	109	4,490	321,644	-5,00%	33	7,852	319,400
711+0,000			33	- 12,099	319,297	109	- 7,760	322,191	3,00%	107	- 5,000	322,108	3,00%	319,364	321,958	2,594	109	4,490	321,734	-5,00%	33	7,972	319,410
712+0,000			33	- 8,948	319,352	109	- 7,760	322,490	3,00%	107	- 5,000	322,407	3,00%	319,408	322,257	2,849	109	4,490	322,033	-5,00%	33	8,345	319,460
712+11,728			33	- 8,342	319,394	109	- 7,760	322,665	3,00%	107	- 5,000	322,582	3,00%	319,442	322,432	2,990	109	4,490	322,208	-5,00%	33	8,639	319,440
713+0,000			33	- 8,585	319,419	109	- 7,760	322,789	3,00%	107	- 5,000	322,706	3,00%	319,426	322,556	3,130	109	4,490	322,332	-5,00%	33	8,847	319,425
713+16,647			33	- 10,783	318,298	109	- 7,760	323,038	3,00%	107	- 5,000	322,955	3,00%	319,359	322,805	3,446	109	4,490	322,580	-5,00%	33	9,267	319,393
714+0,000			33	- 11,472	319,267	109	- 7,760	323,088	3,00%	107	- 5,000	323,005	3,00%	319,332	322,855	3,523	109	4,490	322,631	-5,00%	33	9,355	319,385
714+17,700			33	- 13,813	319,315	109	7,760	323,352	3,00%	107	- 5,000	323,269	3,00%	319,321	323,119	3,798	109	4,490	322,895	-5,00%	33	9,887	319,295
715+0,000			33	- 13,839	319,333	109	- 7,760	323,387	3,00%	107	- 5,000	323,304	3,00%	319,351	323,154	3,803	109	4,490	322,929	-5,00%	33	9,894	319,324
715+10,000		PCV	33	- 13,989	319,382	109	- 7,760	323,536	3,00%	107	- 5,000	323,453	3,00%	319,474	323,303	3,829	109	4,490	323,079	-5,00%	33	9,944	319,441
716+0,000			33	- 14,218	319,360	109	- 7,760	323,666	3,00%	107	- 5,000	323,583	3,00%	319,437	323,433	3,996	109	4,490	323,209	-5,00%	33	10,055	319,497
716+9,279	TE		33	- 14,317	319,380	109	- 7,760	323,752	3,00%	107	- 5,000	323,669	3,00%	319,426	323,519	4,094	109	4,490	323,295	-5,00%	33	10,214	319,476
717+0,000			33	- 14,369	319,403	109	- 7,760	323,810	3,00%	107	- 5,000	323,727	3,00%	319,485	323,577	4,092	109	4,490	323,353	-5,00%	33	10,269	319,498
717+10,331			33	- 14,339	319,436	109	- 7,760	323,823	3,00%	107	- 5,000	323,740	3,00%	319,608	323,590	3,982	109	4,490	323,366	-5,00%	33	10,007	319,686
718+0,000			33	- 14,283	319,448	109	- 7,760	323,798	3,00%	107	- 5,000	323,715	3,00%	319,640	323,565	3,925	109	4,490	323,341	-5,00%	33	9,769	319,819
718+0,857			33	- 14,272	319,452	109	- 7,760	323,794	3,00%	107	- 5,000	323,711	3,00%	319,631	323,561	3,930	109	4,490	323,337	-5,00%	33	9,748	319,829
718+10,000			33	- 14,203	319,490	109	- 7,740	323,800	3,87%	107	- 5,000	323,695	3,87%	319,544	323,501	3,957	109	4,500	323,266	-5,00%	33	9,793	319,740
719+0,000			33	- 14,294	319,383	109	- 7,710	323,770	4,82%	107	- 5,000	323,639	4,82%	319,443	323,398	3,956	109	4,520	323,151	-5,00%	33	9,839	319,606
719+9,279	EC		33	- 14,223	319,353	109	- 7,690	323,706	5,70%	107	- 5,000	323,553	5,70%	319,467	323,268	3,801	109	4,510	323,011	-5,70%	33	9,794	319,488
720+0,000			33	- 13,857	319,405	109	- 7,690	323,514	5,70%	107	- 5,000	323,361	5,70%	319,512	323,076	3,564	109	4,510	322,819	-5,70%	33	9,456	319,521
720+16,293			33	- 13,098	319,533	109	- 7,690	323,137	5,70%	107	- 5,000	322,984	5,70%	319,591	322,699	3,108	109	4,510	322,441	-5,70%	33	8,738	319,622
721+0,000			33	- 12,954	319,529	109	- 7,690	323,037	5,70%	107	- 5,000	322,883	5,70%	319,593	322,598	3,006	109	4,510	322,341	-5,70%	33	8,598	319,615
721+5,942			33	- 12,769	319,481	109	- 7,840	322,769	5,70%	107	- 5,000	322,711	5,70%	319,576	322,426	2,851	109	4,510	322,169	-5,70%	33	8,368	319,597
721+10,000		PCRV	33	- 6,000	319,540	109	- 6,000	322,643	5,70%	107	- 5,000	322,586	5,70%	319,565	322,301	2,736	109	4,510	322,044	-5,70%	33	8,201	319,583
721+16,543			33	- 6,000	319,509	109	- 6,000	322,440	5,70%	107	- 5,000	322,383	5,70%	319,548	322,098	2,550	109	4,510	321,841	-5,70%	33	7,928	319,562

5.1.4.8. Ramo 800

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 719+0,000 - Ramo 800																				
			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
804+3,124			33	- 6,000	319,397	109	- 6,000	322,141	5,70%	107	- 5,000	322,084	5,71%	319,429	321,799	2,370	109	4,510	321,542	-5,70%	33	7,604	319,479
804+4,998		PCV	33	- 6,000	319,380	109	- 6,000	322,202	5,70%	107	- 5,000	322,145	5,69%	319,420	321,860	2,440	109	4,510	321,603	-5,70%	33	7,707	319,472
804+13,437			33	- 6,000	319,344	109	- 6,000	322,469	5,70%	107	- 5,000	322,412	5,71%	319,385	322,127	2,741	109	4,510	321,870	-5,70%	33	8,152	319,441
805+0,000			33	- 12,876	319,300	109	- 7,690	322,756	5,70%	107	- 5,000	322,603	5,70%	319,362	322,318	2,955	109	4,510	322,061	-5,70%	33	8,478	319,415
805+15,269			33	- 13,374	319,359	109	- 7,690	323,146	5,70%	107	- 5,000	322,993	5,70%	319,364	322,708	3,344	109	4,510	322,451	-5,70%	33	9,085	319,401
806+0,000			33	- 13,529	319,361	109	- 7,690	323,252	5,70%	107	- 5,000	323,098	5,70%	319,361	322,813	3,452	109	4,510	322,556	-5,70%	33	9,243	319,401
807+0,000			33	- 14,119	319,333	109	- 7,690	323,617	5,70%	107	- 5,000	323,464	5,70%	319,366	323,179	3,813	109	4,510	322,922	-5,70%	33	9,767	319,416
808+0,000			33	- 14,454	319,345	109	- 7,690	323,853	5,70%	107	- 5,000	323,699	5,70%	319,334	323,414	4,080	109	4,510	323,157	-5,70%	33	10,248	319,331
808+10,539	CE		33	- 14,555	319,349	109	- 7,690	323,803	5,70%	107	- 5,000	323,771	5,70%	319,330	323,486	4,156	109	4,510	323,229	-5,70%	33	10,377	319,317
809+0,000			33	- 14,458	319,393	109	- 7,710	323,889	4,80%	107	- 5,000	323,759	4,80%	319,312	323,519	4,207	109	4,520	323,272	-5,00%	33	10,421	319,327
809+18,960			33	- 12,970	319,424	109	- 7,760	323,731	3,00%	107	- 5,000	323,648	3,00%	319,332	323,498	4,166	109	4,490	323,274	-5,00%	33	10,433	319,309
810+0,000			33	- 12,672	319,422	109	- 7,760	323,727	3,00%	107	- 5,000	323,644	3,00%	319,333	323,494	4,161	109	4,490	323,270	-5,00%	33	10,431	319,307
811+0,000			33	- 8,974	319,331	109	- 7,760	323,571	3,00%	107	- 5,000	323,488	3,00%	319,286	323,338	4,053	109	4,490	323,114	-5,00%	33	10,164	319,329
811+10,539	ET		33	- 8,481	319,315	109	- 7,760	323,437	3,00%	107	- 5,000	323,354	3,00%	319,285	323,204	3,920	109	4,490	322,980	-5,00%	33	9,660	319,531
811+11,566			33	- 8,481	319,315	109	- 7,760	323,422	3,00%	107	- 5,000	323,339	3,00%	319,285	323,189	3,904	109	4,490	322,965	-5,00%	33	9,632	319,535
812+0,000			33	- 8,818	312,320	109	- 7,760	323,286	3,00%	107	- 5,000	323,203	3,00%	319,398	323,053	3,655	109	4,490	322,829	-5,00%	33	9,441	319,525
813+0,000			33	- 11,919	319,359	109	- 7,760	322,870	3,00%	107	- 5,000	322,787	3,00%	319,452	322,637	3,185	109	4,490	322,413	-5,00%	33	8,825	319,520
813+1,133	TE		33	- 12,195	319,364	109	- 7,760	322,842	3,00%	107	- 5,000	322,760	3,00%	319,459	322,610	3,151	109	4,490	322,385	-5,00%	33	8,774	319,527
813+15,002		PTV	33	- 12,291	319,450	109	- 7,760	322,472	3,00%	107	- 5,000	322,390	3,00%	319,542	322,240	2,697	109	4,490	322,015	-5,00%	33	8,124	319,591
814+0,000			33	- 12,080	319,447	109	- 7,760	322,328	3,00%	107	- 5,000	322,245	3,00%	319,519	322,095	2,576	109	4,490	321,871	-5,00%	33	7,944	319,566
814+11,133			33	- 11,583	319,456	109	- 7,760	322,006	3,00%	107	- 5,000	321,923	3,00%	319,467	321,773	2,306	109	4,490	321,548	-5,00%	33	7,573	319,491
815+0,000			33	- 11,314	319,432	109	- 7,740	321,817	3,89%	107	- 5,000	321,711	3,89%	319,436	321,516	2,080	109	4,510	321,278	-5,00%	33	7,293	319,421
816+0,000			33	- 10,659	319,410	109	- 7,690	321,390	5,89%	107	- 5,000	321,232	5,89%	319,299	320,938	1,639	109	4,520	320,668	-5,89%	33	6,591	319,288
816+1,133	EC		33	- 10,619	319,411	109	- 7,690	321,366	6,00%	107	- 5,000	321,205	6,00%	319,296	320,905	1,609	109	4,520	320,634	-6,00%	33	6,556	319,276
816+9,999		PCV	33	- 10,229	319,414	109	- 7,690	321,106	6,00%	107	- 5,000	320,948	6,00%	319,283	320,648	1,365	109	4,520	320,377	-6,00%	33	6,277	319,205
817+0,000			33	- 9,822	319,415	109	- 7,690	320,839	6,00%	107	- 5,000	320,678	6,00%	319,327	320,378	1,051	109	4,520	320,107	-6,00%	33	5,802	319,252
817+16,901			33	- 9,558	319,221	109	- 7,690	320,469	6,00%	107	- 5,000	320,308	6,06%	319,419	320,005	0,586	109	4,520	319,737	-6,00%	33	5,063	319,374
818+0,000			33	- 9,612	319,129	109	- 7,690	320,413	6,00%	107	- 5,000	320,252	6,00%	319,418	319,952	0,534	109	4,520	319,681	-6,00%	33	4,950	319,394
818+5,000			33	- 9,587	319,063	109	- 7,690	320,330	6,00%	107	- 5,000	320,169	6,00%	319,341	319,869	0,528	109	4,520	319,598	-6,00%	33	4,790	319,418
818+5,427			33	- 9,586	319,057	109	- 7,870	320,204	6,00%	107	- 5,000	320,163	6,00%	319,329	319,863	0,533	109	4,520	319,591	-6,00%	33	4,777	319,420
818+19,156			33	- 8,214	319,470	109	- 7,730	320,023	4,35%	107	- 5,000	319,904	4,35%	318,996	319,687	0,691	109	4,520	319,441	-5,00%	33	4,809	319,247
819+0,000			33	- 6,000	319,107	109	- 6,000	319,933	4,25%	107	- 5,000	319,819	4,25%	318,988	319,678	0,691	109	4,520	319,434	-5,00%	33	4,809	319,239
819+10,427			33	- 6,000	319,635	109	- 6,000	319,776	3,00%	107	- 5,000	319,746	3,00%	318,984	319,596	0,612	109	4,490	319,372	-5,00%	33	4,817	319,152

5.1.4.9. BR-158

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		BR - 158																						
			LADO ESQUERDO										COTAS DE EIXO			LADO DIREITO									
			PLATAFORMA DE TERRAPLENAGEM													PLATAFORMA DE TERRAPLENAGEM									
			Talude			Fim da plataforma				Bordo da pista						Bordo da pista			Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Declív.	P.	Dist.	Cota	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
6+12,836			33	- 10,193	320,117	109	- 10,190	320,033	-3,00%	107	- 7,200	320,123	320,588	320,288	-0,300	107	-	-	109	-	-	-	33	-	-
7+0,000			33	- 10,665	320,026	109	- 10,670	320,010	-3,00%	107	- 7,200	320,114	320,582	320,282	-0,300	107	-	-	109	-	-	-	33	-	-
7+11,957			33	- 11,689	319,722	109	- 11,300	319,979	-3,00%	107	- 7,200	320,102	320,573	320,273	-0,300	107	7,200	320,157	109	10,220	320,067	-3,00%	33	10,222	320,131
8+0,000			33	- 12,558	319,402	109	- 11,720	319,964	-3,00%	107	- 7,200	320,099	320,572	320,272	-0,300	107	7,200	320,168	109	10,750	320,061	-3,00%	33	10,851	319,990
8+11,195	PI		33	- 13,085	319,432	109	- 12,290	319,963	-3,00%	107	- 7,200	320,116	320,592	320,292	-0,300	107	7,200	320,155	109	11,330	320,031	-3,00%	33	11,797	319,719
9+0,000			33	- 13,779	319,268	109	- 12,740	319,958	-3,00%	107	- 7,200	320,124	320,604	320,304	-0,300	107	7,200	320,148	109	11,780	320,011	-3,00%	33	12,256	319,695
10+0,000			33	- 14,647	319,352	109	- 13,780	319,931	-3,00%	107	- 7,200	320,128	320,598	320,298	-0,300	107	7,200	320,143	109	12,810	319,975	-3,00%	33	13,787	319,325
10+2,836			33	- 14,319	319,332	109	- 13,920	319,938	-3,00%	107	- 7,200	320,140	320,597	320,297	-0,300	107	7,200	320,144	109	12,960	319,971	-3,00%	33	13,948	319,312
11+0,000			33	- 14,916	319,315	109	- 13,920	319,976	-3,00%	107	- 7,200	320,178	320,595	320,295	-0,300	107	7,200	320,140	109	13,840	319,941	-3,00%	33	14,711	319,363
11+1,589			33	- 14,930	319,301	109	- 13,920	319,972	-3,00%	107	- 7,200	320,174	320,596	320,296	-0,300	107	7,200	320,137	109	13,920	319,935	-3,00%	33	14,778	319,366
11+12,836			33	- 14,936	319,306	109	- 13,980	319,943	-2,00%	107	- 7,200	320,147	320,602	320,302	-0,300	107	7,200	320,111	109	13,890	319,911	-3,00%	33	14,630	319,415
12+0,000			33	- 15,279	319,174	109	- 14,140	319,933	-2,00%	107	- 7,200	320,141	320,603	320,303	-0,300	107	7,200	320,112	109	13,780	139,914	-3,50%	33	14,358	319,530
13+0,000			33	- 16,153	319,153	109	- 15,000	319,922	-2,00%	107	- 7,200	320,157	320,593	320,293	-0,300	107	7,200	320,152	109	14,880	319,922	-3,50%	33	15,800	319,306
14+0,000			33	- 17,660	319,376	109	- 16,950	319,850	-2,00%	107	- 7,200	320,143	320,583	320,283	-0,300	107	7,200	320,162	109	17,000	319,868	-3,50%	33	18,116	319,123
14+14,809			33	- 15,254	319,284	109	- 15,250	319,990	-0,98%	107	- 7,200	320,069	320,568	320,268	-0,300	107	7,200	320,149	109	19,880	319,769	-3,50%	33	20,744	319,190
14+16,177			33	- 8,400	320,333	109	- 8,400	320,028	-3,00%	107	- 7,200	320,064	320,567	320,267	-0,300	107	7,200	320,148	109	20,200	319,758	-3,50%	33	21,030	319,203
14+17,675			33	- 8,400	320,323	109	- 8,400	320,029	-3,00%	107	- 7,200	320,065	320,569	320,269	-0,300	107	7,200	320,150	109	16,220	320,074	-0,84%	33	16,220	319,146
14+19,363			33	- 8,400	320,312	109	- 8,400	320,030	-3,00%	107	- 7,200	320,066	320,572	320,272	-0,300	107	7,200	320,152	109	8,400	320,116	-3,00%	33	8,400	320,449
15+0,000			33	- 8,400	320,307	109	- 8,400	320,030	-3,00%	107	- 7,200	320,066	320,573	320,273	-0,300	107	7,200	320,153	109	8,400	320,117	-3,00%	33	8,400	320,448
15+7,990			33	- 8,400	320,036	109	- 8,400	320,036	-3,00%	107	- 7,200	320,072	320,588	320,288	-0,300	107	7,200	320,163	109	8,400	320,127	-3,00%	33	8,400	320,393
15+10,045			33	- 8,400	320,313	109	- 8,400	320,038	-3,00%	107	- 7,200	320,074	320,592	320,292	-0,300	107	7,200	320,166	109	8,400	320,130	-3,00%	33	8,400	320,379
15+15,573			33	- 10,402	319,938	109	- 10,320	319,990	-3,00%	107	- 7,200	320,084	320,602	320,302	-0,300	107	7,200	320,173	109	10,240	320,082	-3,00%	33	10,241	320,135
15+15,700			33	- 10,413	319,941	109	- 10,320	320,000	-3,00%	107	- 5,400	320,148	320,602	320,302	-0,300	107	5,400	320,165	109	10,100	320,024	-3,00%	33	10,103	320,165
16+0,000			33	- 10,300	320,090	109	- 10,300	320,016	-3,00%	107	- 5,492	320,160	320,596	320,296	-0,300	107	5,492	320,160	109	10,420	320,012	-3,00%	33	10,424	320,006
17+0,000			33	- 10,934	319,979	109	- 10,850	320,035	-3,00%	107	- 5,926	320,183	320,568	320,268	-0,300	107	5,926	320,166	109	10,590	320,026	-3,00%	33	10,590	320,191
18+0,000			33	- 11,951	319,571	109	- 11,280	320,016	-3,00%	107	- 6,360	320,164	320,606	320,306	-0,300	107	6,360	320,181	109	11,280	320,033	-3,00%	33	11,762	319,714
18+17,906			33	- 12,560	319,399	109	- 11,670	319,991	-3,00%	107	- 4,947	320,193	320,623	320,323	-0,300	107	4,947	320,197	109	11,670	319,995	-3,00%	33	12,506	319,439
19+0,000			33	- 12,568	319,420	109	- 11,720	319,986	-3,00%	107	- 4,993	320,188	320,620	320,320	-0,300	107	4,993	320,195	109	11,720	319,993	-3,00%	33	12,563	319,430
19+1,553			33	- 12,574	319,435	109	- 11,750	319,983	-3,00%	107	- 5,027	320,185	320,618	320,318	-0,300	107	5,027	320,194	109	11,750	319,992	-3,00%	33	12,606	319,423
19+4,493			33	- 12,588	319,465	109	- 11,820	319,980	-3,00%	107	- 5,090	320,181	320,613	320,313	-0,300	107	5,090	320,192	109	11,820	319,990	-3,00%	33	12,632	319,446
20+0,000			33	- 12,966	319,404	109	- 12,150	319,947	-3,00%	107	- 5,427	320,148	320,601	320,301	-0,300	107	5,427	320,148	109	12,150	319,947	-3,00%	33	13,158	319,276
21+0,000			33	- 13,269	319,550	109	- 12,590	320,005	-3,00%	107	- 5,861	320,207	320,603	320,303	-0,300	107	5,861	320,180	109	12,590	319,978	-3,00%	33	13,852	319,134
21+14,862			33	- 13,715	319,425	109	- 12,870	319,988	-3,00%	107	- 6,146	320,190	320,601	320,301	-0,300	107	6,146	320,160	109	12,870	319,958	-3,00%	33	14,233	319,049
22+0,000			33	- 13,859	319,383	109	- 12,950	319,987	-3,00%	107	- 6,228	320,189	320,607	320,307	-0,300	107	6,228	320,155	109	12,950	319,953	-3,00%	33	14,350	319,022
22+0,995			33	- 11,043	319,711	109	- 11,040	320,044	-3,00%	107	- 6,243	320,188	320,608	320,308	-0,300	107	6,243	320,153	109	12,970	319,951	-3,00%	33	14,370	319,016
22+4,364			33	- 18,957	319,239	109	- 18,960	320,046	-1,12%	107	- 6,292	320,188	320,610	320,310	-0,300	107	6,292	320,148	109	13,020	319,946	-3,00%	33	14,436	318,999
23+0,000			33	- 20,102	319,265	109	- 19,290	319,807	-3,00%	107	- 6,470	320,192	320,610	320,310	-0,300	107	6,470	320,134	109	13,200	319,932	-3,00%	33	14,318	319,183
23+3,855			33	- 19,580	319,194	109	- 18,640	319,823	-3,00%	107	- 6,500	320,187	320,605	320,305	-0,300	107	6,503	320,136	109	11,300	319,992	-3,00%	33	11,303	319,716
23+10,509			33	- 19,024	319,088	109	- 17,900	319,838	-3,00%	107	- 6,548	320,178	320,597	320,297	-0,300	107	6,547	320,141	109	11,350	319,997	-3,00%	33	11,348	319,666
23+13,486			33	- 18,752	319,093	109	- 17,630	319,843	-3,00%	107	- 6,563	320,175	320,593	320,293	-0,300	107	6,563	320,143	109	18,600	319,781	-3,00%	33	18,604	319,187
24+0,000			33	- 18,514	318,968	109	- 17,200	319,847	-3,00%	107	- 6,588	320,165	320,590	320,290	-0,300	107	6,588	320,144	109	21,290	319,703	-3,00%	33	21,667	319,453
24+8,813			33	- 15,000	319,056	109	- 15,000	319,896	-3,00%	107	- 6,600	320,148	320,597	320,297	-0,300	107	6,600	320,133	109	19,070	319,759	-3,00%	33	19,738	319,310
25+0,000			33	- 18,391	318,842	109	- 16,920	319,820	-3,00%	107	- 6,600	320,130	320,604	320,304	-0,300	107	6,600	320,121	109	17,700	319,788	-3,00%	33	18,486	319,265
25+16,516			33	- 18,054	319,050	109	- 16,920	319,803	-3,00%	107	- 6,600	320,112	320,596	320,296	-0,300	107	6,600	320,121	109	16,920	319,811	-3,00%	33	17,136	319,669
26+0,000			33	- 17,878	319,176	109	- 16,920	319,812	-3,00%	107	- 6,600	320,121	320,596	320,296	-0,300	107	6,600	320,123	109	16,910	319,814	-3,00%	33	16,914	319,820
26+4,322			33	- 17,679	319,331	109	- 16,920	319,835	-3,00%	107	- 6,600	320,145	320,599	320,299	-0,300	107	6,600	320,131	109	16,710	319,827	-3,00%	33	16,712	319,962
27+0,000			33	- 16,856	319,927	109	- 16,860	319,884	-3,00%	107	- 6,600	320,191	320,610	320,310	-0,300	107	6,600	320,175	109	16,920	319,865	-3,00%	33	17,062	319,773
28+0,000			33	- 17,616	319,348	109	- 16,920	319,809	-3,00%	107	- 6,600	320,119	320,617	320,317	-0,300	107	6,600	320,142	109	16,920	319,832	-3,00%	33	17,136	319,691
28+0,349			33	- 17,625	319,342	109	- 16,920	319,809	-3,00%	107	- 6,600	320,119	320,617	320,317	-0,300	107	6,600	320,122	109	16,920	319,812	-3,00%	33	17,122	319,680

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		BR - 158																					
			LADO ESQUERDO										COTAS DE EIXO			LADO DIREITO								
			PLATAFORMA DE TERRAPLENAGEM													PLATAFORMA DE TERRAPLENAGEM								
ESTACA			Talude			Fim da plataforma				Bordo da pista						Bordo da pista			Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
29+0,000			33	- 18,815	319,255	109	- 18,010	319,794	-3,00%	107	- 6,540	320,138	320,616	320,316	-0,300	107	6,540	320,155	109	16,920	319,843	-3,00%	33	17,841	319,232
29+8,052			33	- 19,776	319,299	109	- 19,060	319,775	-3,00%	107	- 6,480	320,152	320,607	320,307	-0,300	107	6,480	320,178	109	16,920	319,865	-3,00%	33	18,039	319,121
30+0,000			33	- 22,739	319,455	109	- 22,410	319,675	-3,00%	107	- 6,355	320,157	320,609	320,309	-0,300	107	6,355	320,183	109	17,330	319,854	-3,00%	33	18,649	318,974
30+2,783			33	- 19,194	319,310	109	- 19,190	319,928	-1,79%	107	- 6,319	320,158	320,612	320,312	-0,300	107	6,319	320,186	109	17,530	319,849	-3,00%	33	18,889	318,946
30+5,604			33	- 11,081	319,236	109	- 11,080	320,074	-1,79%	107	- 6,280	320,159	320,615	320,315	-0,300	107	6,280	320,188	109	17,800	319,843	-3,00%	33	19,181	318,925
30+12,384			33	- 10,978	319,492	109	- 10,980	320,023	-3,00%	107	- 6,177	320,167	320,620	320,320	-0,300	107	6,177	320,195	109	18,550	319,824	-3,00%	33	19,915	318,915
31+0,000			33	- 13,770	319,290	109	- 12,770	319,957	-3,00%	107	- 6,046	320,159	320,604	320,304	-0,300	107	6,045	320,183	109	19,930	319,767	-3,00%	33	21,025	319,036
31+11,538			33	- 14,139	318,894	109	- 12,560	319,943	-3,00%	107	- 5,840	320,145	320,573	320,273	-0,300	107	5,831	320,099	109	18,210	319,937	-1,30%	33	18,207	318,812
31+14,761			33	- 14,216	318,783	109	- 12,510	319,939	-3,00%	107	- 5,783	320,141	320,568	320,268	-0,300	107	5,772	320,129	109	10,570	319,985	-3,00%	33	10,573	319,581
32+0,000			33	- 14,399	318,602	109	- 12,410	319,925	-3,00%	107	- 5,689	320,127	320,562	320,262	-0,300	107	5,675	320,118	109	10,480	319,974	-3,00%	33	10,476	319,662
32+1,107			33	- 14,432	318,563	109	- 12,390	319,922	-3,00%	107	- 5,669	320,124	320,561	320,261	-0,300	107	5,654	320,115	109	10,460	319,971	-3,00%	33	10,455	319,636
32+6,467	PI		33	- 14,589	318,379	109	- 12,300	319,906	-3,00%	107	- 5,574	320,108	320,554	320,254	-0,300	107	5,555	320,103	109	12,280	319,901	-3,00%	33	13,328	319,203
32+14,795			33	- 11,721	318,784	109	- 11,720	319,888	-3,00%	107	- 5,421	320,077	320,538	320,238	-0,300	107	5,400	320,088	109	12,130	319,885	-3,00%	33	13,104	319,239
33+0,000			33	- 11,628	319,852	109	- 11,630	319,854	-3,00%	107	- 5,327	320,043	320,521	320,221	-0,300	107	5,311	320,084	109	12,040	319,882	-3,00%	33	13,051	319,205
33+12,508			33	- 11,973	319,766	109	- 11,820	319,865	-2,79%	107	- 5,099	320,067	320,482	320,182	-0,300	107	5,085	320,069	109	11,810	319,867	-3,00%	33	13,060	319,033
34+0,000			33	- 12,186	319,540	109	- 11,690	319,873	-3,00%	107	- 4,962	320,074	320,467	320,167	-0,300	107	4,949	320,071	109	11,670	319,869	-3,00%	33	12,835	319,095
34+8,592			33	- 11,923	319,625	109	- 11,530	319,887	-3,00%	107	- 6,605	320,035	320,450	320,150	-0,300	107	4,794	320,059	109	11,520	319,858	-3,00%	33	12,542	319,176
34+10,383			33	- 11,891	319,622	109	- 11,500	319,884	-3,00%	107	- 6,573	320,032	320,446	320,146	-0,300	107	6,562	320,040	109	11,490	319,892	-3,00%	33	12,480	319,230
35+0,000			33	- 11,729	319,589	109	- 11,320	319,860	-3,00%	107	- 6,398	320,008	320,429	320,129	-0,300	107	6,388	320,039	109	11,310	319,891	-3,00%	33	12,126	319,348
36+0,000			33	- 11,198	319,655	109	- 10,960	319,815	-3,00%	107	- 6,033	319,963	320,396	320,096	-0,300	107	6,027	319,990	109	10,950	319,842	-3,00%	33	11,400	319,543
37+0,000			33	- 10,766	319,681	109	- 10,590	319,797	-3,00%	107	- 5,668	319,945	320,353	320,053	-0,300	107	5,665	319,918	109	10,590	319,771	-3,00%	33	11,230	319,344
37+10,397			33	- 10,555	319,712	109	- 10,400	319,813	-3,00%	107	- 7,279	319,907	320,324	320,024	-0,300	107	7,278	319,857	109	10,400	319,763	-3,00%	33	10,994	319,368
37+15,027			33	- 8,400	320,050	109	- 8,400	319,861	-3,00%	107	- 7,200	319,897	320,308	320,008	-0,300	107	7,200	319,841	109	10,320	319,748	-3,00%	33	11,078	319,245
38+0,000			33	- 8,400	320,058	109	- 8,400	319,848	-3,00%	107	- 7,200	319,884	320,290	319,990	-0,300	107	7,200	319,823	109	10,320	319,729	-3,00%	33	11,093	319,217
38+5,708			33	- 8,400	320,088	109	- 8,400	319,833	-3,00%	107	- 7,200	319,869	320,270	319,970	-0,300	107	7,200	319,802	109	10,320	319,709	-3,00%	33	11,060	319,218
38+7,397			33	- 16,127	319,387	109	- 16,130	319,625	-2,68%	107	- 7,200	319,865	320,264	319,964	-0,300	107	7,200	319,796	109	10,320	319,703	-3,00%	33	11,012	319,244
38+13,235			33	- 19,108	319,649	109	- 18,950	319,490	-3,00%	107	- 7,200	319,843	320,244	319,944	-0,300	107	7,200	319,777	109	10,320	319,683	-3,00%	33	10,890	319,306
39+0,000			33	- 18,071	319,434	109	- 17,990	319,487	-3,00%	107	- 7,200	319,811	320,221	319,921	-0,300	107	7,200	319,757	109	8,400	319,721	-3,00%	33	8,400	319,872
39+5,048			33	- 17,370	319,322	109	- 17,120	319,490	-3,00%	107	- 7,200	319,787	320,204	319,904	-0,300	107	7,200	319,743	109	8,400	319,707	-3,00%	33	8,400	319,866
39+6,435			33	- 17,181	319,303	109	- 16,900	319,490	-3,00%	107	- 7,200	319,781	320,200	319,900	-0,300	107	7,200	319,739	109	8,400	319,703	-3,00%	33	8,398	319,864
40+0,000			33	- 15,806	319,172	109	- 15,330	319,492	-3,00%	107	- 7,200	319,736	320,161	319,861	-0,300	107	7,200	319,695	109	17,110	319,397	-3,00%	33	17,583	319,083
41+0,000			33	- 14,660	319,225	109	- 14,260	319,490	-3,00%	107	- 7,200	319,702	320,109	319,809	-0,300	107	7,200	319,644	109	14,980	319,411	-3,00%	33	15,536	319,040
41+13,483			33	- 14,153	319,330	109	- 13,920	319,483	-3,00%	107	- 7,200	319,685	320,078	319,778	-0,300	107	7,200	319,628	109	14,300	319,415	-3,00%	33	15,050	318,917
42+0,000			33	- 14,241	319,241	109	- 13,920	319,452	-3,00%	107	- 7,200	319,654	320,069	319,769	-0,300	107	7,200	319,538	109	14,090	319,331	-3,00%	33	14,673	318,942
42+3,483			33	- 14,303	319,183	109	- 13,920	319,436	-3,00%	107	- 7,200	319,637	320,063	319,763	-0,300	107	7,200	319,608	109	14,010	319,404	-3,00%	33	14,674	318,958
42+8,389			33	- 14,108	319,131	109	- 13,670	319,420	-3,00%	107	- 7,200	319,614	320,056	319,756	-0,300	107	7,200	319,599	109	13,920	319,397	-3,00%	33	14,543	318,984
43+0,000			33	- 14,233	318,618	109	- 13,080	319,389	-3,00%	107	- 7,200	319,566	320,016	319,716	-0,300	107	7,200	319,554	109	13,920	319,352	-3,00%	33	14,470	318,988
43+18,389			33	- 13,864	318,249	109	- 12,130	319,405	-3,00%	107	- 7,200	319,553	319,995	319,695	-0,300	107	7,200	319,493	109	13,920	319,291	-3,00%	33	14,398	318,975
44+0,000			33	- 13,804	318,241	109	- 12,050	319,412	-3,00%	107	- 7,200	319,557	319,999	319,699	-0,300	107	7,200	319,490	109	13,840	319,291	-3,00%	33	14,307	318,982
45+0,000			33	- 13,413	317,777	109	- 11,020	319,372	-3,00%	107	- 7,200	319,487	319,946	319,646	-0,300	107	7,200	319,438	109	12,810	319,269	-3,00%	33	13,056	319,108
45+13,483			33	- 13,045	317,464	109	- 10,330	319,277	-3,00%	107	- 7,200	319,371	319,854	319,554	-0,300	107	7,200	319,374	109	12,120	319,227	-3,00%	33	12,324	319,091
46+0,000			33	-	-	109	-	-	-	107	-	-	319,814	319,514	-0,300	107	7,200	319,331	109	11,790	319,194	-3,00%	33	11,946	319,087
47+0,000			33	-	-	109	-	-	-	107	-	-	319,695	319,395	-0,300	107	7,200	319,224	109	10,700	319,119	-3,00%	33	10,704	319,153
47+8,389			33	-	-	109	-	-	-	107	-	-	319,575	319,275	-0,300	107	-	-	109	10,230	319,008	-3,00%	33	10,234	319,067

5.1.5.Interseção Est.965+0,000

5.1.5.1. Ramo 100

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 965+0,000 - Ramo 100

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM											COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
100+0,000	TE	PPV	33	-	-	109	-	-	-	107	-	-	-	312,922	313,554	0,632	107	3,600	313,446	-3,00%	109	8,090	313,222	-3,00%	33	8,684	312,823
100+17,917			33	- 0,026	312,895	109	-	-	-	107	- 0,026	313,644	0,00%	312,895	313,644	0,749	107	3,600	313,536	-3,00%	109	8,090	313,311	-3,00%	33	8,788	312,844
101+0,000		PCV	33	- 0,042	312,890	109	-	-	-	107	- 0,042	313,655	3,00%	312,889	313,654	0,765	107	3,600	313,546	-3,00%	109	8,090	313,322	-3,00%	33	8,802	312,845
101+15,526			33	- 0,217	312,878	109	-	-	-	107	- 0,217	313,732	3,00%	312,877	313,726	0,849	107	3,600	313,618	-3,00%	109	8,090	313,393	-3,00%	33	8,913	312,842
102+0,000			33	- 0,307	312,875	109	-	-	-	107	- 0,307	313,754	3,38%	312,874	313,744	0,870	107	3,600	313,622	-3,38%	109	8,090	313,398	-3,38%	33	8,920	312,842
102+5,000	EC		33	- 0,442	312,873	109	-	-	-	107	- 0,442	313,780	3,80%	312,872	313,763	0,892	107	3,600	313,626	-3,80%	109	8,090	313,402	-3,80%	33	8,920	312,846
103+0,000			33	- 1,103	312,861	109	-	-	-	107	- 1,103	313,856	3,80%	312,870	313,814	0,944	107	3,600	313,677	-3,80%	109	8,090	313,453	-3,80%	33	8,931	312,890
103+8,150			33	- 1,627	312,823	109	- 1,630	313,898	3,80%	107	- 1,400	313,890	3,80%	312,841	313,836	0,995	107	3,600	313,700	-3,80%	109	8,090	313,475	-3,80%	33	8,926	312,916
103+8,386			33	- 1,643	312,822	109	- 1,640	313,900	3,80%	107	- 1,400	313,890	3,80%	312,840	313,837	0,997	107	3,600	313,700	-3,80%	109	8,090	313,476	-3,80%	33	8,926	312,916
104+0,000			33	- 2,595	312,762	109	- 2,600	313,962	3,80%	107	- 1,400	313,917	3,80%	312,779	313,864	1,084	107	3,600	313,727	-3,80%	109	8,090	313,502	-3,80%	33	8,943	312,931
104+8,150			33	- 2,400	312,681	109	- 2,400	313,969	3,80%	107	- 1,400	313,931	3,80%	312,705	313,878	1,173	107	3,600	313,741	-3,80%	109	8,090	313,517	-3,80%	33	9,035	312,884
104+11,772	CE		33	- 2,400	312,649	109	- 2,400	313,975	3,80%	107	- 1,400	313,937	3,80%	312,684	313,883	1,200	107	3,600	313,747	-3,80%	109	8,090	313,522	-3,80%	33	9,030	312,893
105+0,000			33	- 6,332	312,571	109	- 4,160	314,022	3,11%	107	- 1,400	313,937	3,11%	312,638	313,893	1,255	107	3,600	313,781	-3,11%	109	8,090	313,557	-3,11%	33	8,955	312,978
105+1,248			33	- 6,356	312,554	109	- 4,160	314,019	3,00%	107	- 1,400	313,936	3,00%	312,645	313,894	1,250	107	3,600	313,786	-3,00%	109	8,090	313,562	-3,00%	33	8,942	312,992
105+19,470			33	- 5,923	312,814	109	- 4,200	313,964	1,46%	107	- 1,400	313,923	1,46%	312,954	313,903	0,949	107	3,600	313,850	-1,46%	109	8,090	313,626	-1,46%	33	9,080	312,963
106+0,000			33	- 5,897	312,830	109	- 4,200	313,962	1,42%	107	- 1,400	313,923	1,42%	312,949	313,903	0,953	107	3,600	313,852	-1,42%	109	8,090	313,627	-1,42%	33	9,084	312,962
106+16,772	EER		33	- 5,888	312,795	109	- 4,240	313,895	0,00%	107	- 1,400	313,895	0,00%	312,820	313,895	1,075	107	3,600	313,895	0,00%	109	8,090	313,671	0,00%	33	9,282	312,874
106+16,780			33	- 5,888	312,795	109	- 4,240	313,895	0,00%	107	- 1,400	313,895	0,00%	312,820	313,895	1,076	107	3,600	313,895	0,00%	109	8,090	313,671	0,00%	33	9,282	312,873
107+0,000			33	- 5,899	312,776	109	- 4,250	313,877	-0,34%	107	- 1,400	313,887	-0,34%	312,810	313,892	1,082	107	3,600	313,904	0,34%	109	8,090	313,680	0,34%	33	9,299	312,872
108+0,000			33	- 5,863	312,719	109	- 4,310	313,755	-2,48%	107	- 1,400	313,827	-2,48%	312,827	313,861	1,034	107	3,600	313,951	2,48%	109	8,090	313,726	2,48%	33	9,124	313,035
108+4,905			33	- 5,806	312,733	109	- 4,320	313,721	-3,00%	107	- 1,400	313,809	-3,00%	312,866	313,851	0,985	107	3,600	313,959	3,00%	109	8,060	313,781	3,00%	33	9,134	313,061
109+0,000			33	- 5,458	312,886	109	- 4,370	313,609	-4,61%	107	- 1,400	313,746	-4,61%	312,993	313,811	0,818	107	3,600	313,977	4,61%	109	8,030	313,858	4,61%	33	9,190	313,082
109+1,780	EC		33	- 5,410	312,908	109	- 4,380	313,595	-4,80%	107	- 1,400	313,738	-4,80%	313,015	313,805	0,790	107	3,600	313,978	4,80%	109	8,000	313,881	4,80%	33	9,198	313,082
110+0,000			33	- 5,194	312,987	109	- 4,380	313,529	-4,80%	107	- 1,400	313,672	-4,80%	313,007	313,740	0,733	107	3,600	313,912	4,80%	109	8,000	313,816	4,80%	33	9,259	312,976
110+1,556			33	- 5,188	312,984	109	- 4,380	313,523	-4,80%	107	- 1,400	313,666	-4,80%	312,998	313,733	0,735	107	3,600	313,906	4,80%	109	8,000	313,809	4,80%	33	9,263	312,968
110+4,732			33	- 5,177	312,979	109	- 4,380	313,510	-4,80%	107	- 1,400	313,653	-4,80%	312,979	313,720	0,741	107	3,600	313,893	4,80%	109	8,000	313,796	4,80%	33	9,268	312,951
110+12,425			33	- 2,400	312,933	109	- 2,400	313,570	-4,80%	107	- 1,400	313,618	-4,80%	312,933	313,686	0,752	107	3,600	313,858	4,80%	109	8,000	313,762	4,80%	33	9,274	312,912
110+16,838			33	- 13,593	312,873	109	- 13,590	313,401	-1,94%	107	- 1,400	313,637	-1,94%	312,907	313,664	0,757	107	3,600	313,837	4,80%	109	8,000	313,740	4,80%	33	9,274	312,892
111+0,000		PTV	33	- 15,982	312,852	109	- 15,940	312,884	-4,80%	107	- 12,455	313,051	-4,80%	312,888	313,649	0,760	107	3,600	313,821	4,80%	109	8,000	313,725	4,80%	33	9,271	312,877
111+1,332	CE		33	- 15,556	312,853	109	- 15,490	312,899	-4,80%	107	- 12,007	313,066	-4,80%	312,880	313,642	0,762	107	3,600	313,815	4,80%	109	8,000	313,718	4,80%	33	9,270	312,872
111+18,207			33	- 12,003	312,818	109	- 11,410	313,214	-3,00%	107	- 7,984	313,317	-3,00%	312,798	313,557	0,759	107	3,600	313,665	3,00%	109	8,060	313,486	3,00%	33	9,109	312,784
112+0,000			33	- 11,768	312,812	109	- 11,170	313,213	-3,00%	107	- 7,744	313,315	-3,00%	312,792	313,548	0,755	107	3,600	313,649	2,81%	109	8,060	313,471	2,81%	33	9,086	312,783
112+5,892			33	- 11,251	312,793	109	- 10,640	313,199	-3,00%	107	- 7,218	313,301	-3,00%	312,774	313,518	0,744	107	3,600	313,596	2,18%	109	8,060	313,418	2,18%	33	9,010	312,781
112+10,255			33	- 11,125	312,779	109	- 10,520	313,180	-3,00%	107	- 3,600	313,388	-3,00%	312,773	313,496	0,723	107	3,600	313,558	1,71%	109	7,990	313,483	1,71%	33	9,040	312,780
113+0,000			33	- 11,080	312,760	109	- 10,520	313,131	-3,00%	107	- 3,600	313,339	-3,00%	312,769	313,447	0,677	107	3,600	313,471	0,68%	109	7,960	313,441	0,68%	33	8,952	312,777
113+6,332	ET		33	- 11,033	312,759	109	- 10,520	313,099	-3,00%	107	- 3,600	313,307	-3,00%	312,767	313,415	0,647	107	3,600	313,415	0,00%	109	7,940	313,415	0,00%	33	8,894	312,777
113+7,403			33	- 11,025	312,760	109	- 10,520	313,093	-3,00%	107	- 3,600	313,301	-3,00%	312,767	313,409	0,642	107	3,600	313,405	-0,11%	109	7,940	313,400	-0,11%	33	8,876	312,777
114+0,000			33	- 10,922	312,765	109	- 10,520	313,030	-3,00%	107	- 3,600	313,237	-3,00%	312,764	313,345	0,582	107	3,600	313,293	-1,46%	109	8,810	313,217	-1,46%	33	9,468	312,779
114+14,457			33	- 10,831	312,752	109	- 10,520	312,957	-3,00%	107	- 3,600	313,164	-3,00%	312,755	313,272	0,518	107	3,600	313,164	-3,00%	109	9,810	312,978	-3,00%	33	10,073	312,803
115+0,000			33	- 10,800	312,744	109	- 10,520	312,929	-3,00%	107	- 3,600	313,136	-3,00%	312,769	313,244	0,476	107	3,600	313,136	-3,00%	109	10,180	312,939	-3,00%	33	10,358	312,818
115+0,760			33	- 10,796	312,743	109	- 10,520	312,925	-3,00%	107	- 3,600	313,133	-3,00%	312,771	313,241	0,470	107	3,600	313,133	-3,00%	109	10,220	312,934	-3,00%	33	10,394	312,820
115+10,760			33	- 10,719	312,744	109	- 10,520	312,874	-3,00%	107	- 3,600	313,082	-3,00%	312,796	313,190	0,394	107	3,600	313,082	-3,00%	109	10,220	312,883	-3,00%	33	10,282	312,845
115+17,282	PC		33	- 10,681	312,737	109	- 10,520	312,841	-3,00%	107	- 3,600	313,049	-3,00%	312,812	313,157	0,345	107	3,600	313,049	-3,00%	109	10,600	312,839	-3,00%	33	10,623	312,863
116+0,000			33	- 10,666	312,733	109	- 10,520	312,828	-3,00%	107	- 3,600	313,035	-3,00%	312,819	313,143	0,324	107	3,600	313,035	-3,00%	109	10,960	312,815	-3,00%	33	11,018	312,872
116+19,190			33	- 10,571	312,699	109	- 10,520	312,731	-3,00%	107	- 3,600	312,938	-3,00%	312,769	313,046	0,278	107	3,600	312,938	-3,00%	109	16,150	312,621	-3,00%	33	16,145	312,857
117+0,000			33	- 10,567	312,698	109	- 10,520	312,727	-3,00%	107	- 3,600	312,934	-3,00%	312,766	313,042	0,276	107	3,600	312,934	-3,00%	109	15,000	312,663	-3,00%	33	14,996	312,851
117+5,555			33	- 10,536	312,690	109	- 10,520	312,698	-3,00%	107	- 3,600	312,906	-3,00%	312,756	313,014	0,259	107	3,600	312,906	-3,00%	109	6,100	312,831	-3,00%	33	6,100	312,794
118+0,000			33	- 10,464	312,665	109	- 10,430	312,628	-3,00%	107	- 3,600	312,833	-3,00%	312,718	312,941	0,224	107	3,600	312,833	-3,00%	109	7,890	312,705	-3,00%	33	7,939	312,757
118+10,062			33	- 10,446	312,627	109	- 10,400	312,578	-3,00%	107	- 3,600	312,782	-3,00%	312,677	312,890	0,213	107	3,600	312,782	-3,00%	109	7,860	312,655	-3,00%	33	7,924	312,717
119+0,000			33	- 10,413	312,598	109	- 10,340	312,530	-3,00%	107	- 3,600	312,732	-3,00%	312,637	312,840	0,203	107	3,600	312,732	-3,00%	109	7,840	312,605	-3,00%	33	7,908	312,677
119+19,215			33	- 10,349	312,544	109	- 10,240	312,436	-3,00%	107	- 3,600	312,635	-3,00%	312,558	312,743	0,185	107	3,600	312,635	-3,00%	109	7,790	312,509	-3,00%	33	7,876	312,601
120+0,000			33	- 10,347	312,541	109	- 10,240	312,432	-3,00%	107	- 3,600	312,631	-3,00%	312,555	312,739	0,184	107	3,600	312,631	-3,00%	109	6,100	312,556	-3,00%	33	6,100	312,586
120+5,180			33	- 10,330	312,526	109	- 10,210	312,407	-3,00%	107	- 3,600	312,605	-3,00%	312,534	312,713	0,179	107	3,600	312,605	-3,00%	109	6,100	312,530	-3,00%	33	6,100	312,566

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 965+0,000 - Ramo 100

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM											COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
120+10,992			33	- 10,313	312,508	109	- 10,180	312,378	-3,00%	107	- 3,600	312,576	-3,00%	312,516	312,684	0,167	107	3,600	312,576	-3,00%	109	15,370	312,259	-3,00%	33	15,372	312,573
121+0,000		PCV	33	- 10,288	312,480	109	- 10,140	312,334	-3,00%	107	- 3,600	312,530	-3,00%	312,489	312,638	0,149	107	3,600	312,530	-3,00%	109	13,450	312,235	-3,00%	33	13,726	312,513
121+2,842	PT		33	- 10,279	312,471	109	- 10,130	312,320	-3,00%	107	- 3,600	312,516	-3,00%	312,476	312,624	0,148	107	3,600	312,516	-3,00%	109	12,150	312,259	-3,00%	33	12,393	312,498
121+10,000			33	- 10,280	312,435	109	- 10,130	312,284	-3,00%	107	- 3,600	312,479	-3,00%	312,439	312,587	0,149	107	3,600	312,479	-3,00%	109	10,480	312,273	-3,00%	33	10,661	312,456
121+18,425			33	- 10,304	312,371	109	- 10,170	312,235	-3,00%	107	- 3,600	312,432	-3,00%	312,395	312,540	0,145	107	3,600	312,432	-3,00%	109	9,800	312,246	-3,00%	33	9,963	312,407
122+0,000			33	- 10,311	312,356	109	- 10,180	312,224	-3,00%	107	- 3,600	312,422	-3,00%	312,386	312,530	0,143	107	3,600	312,422	-3,00%	109	9,800	312,236	-3,00%	33	9,961	312,399
122+13,424			33	- 10,347	312,231	109	- 10,240	312,122	-3,00%	107	- 3,600	312,321	-3,00%	312,316	312,429	0,113	107	3,600	312,321	-3,00%	109	9,740	312,137	-3,00%	33	9,922	312,324
123+0,000			33	- 10,351	312,170	109	- 10,240	312,063	-3,00%	107	- 3,600	312,263	-3,00%	312,261	312,371	0,110	107	3,600	312,263	-3,00%	109	9,300	312,092	-3,00%	33	9,493	312,287
123+10,000			33	- 10,338	312,078	109	- 10,220	311,963	-3,00%	107	- 3,600	312,161	-3,00%	312,168	312,269	0,101	107	3,600	312,161	-3,00%	109	8,590	312,012	-3,00%	33	8,813	312,233
124+0,000			33	- 10,303	311,985	109	- 10,170	311,848	-3,00%	107	- 3,600	312,045	-3,00%	312,075	312,153	0,078	107	3,600	312,045	-3,00%	109	7,960	311,915	-3,00%	33	8,181	312,133
124+0,893			33	- 10,299	311,977	109	- 10,160	311,838	-3,00%	107	- 3,600	312,034	-3,00%	312,061	312,142	0,081	107	3,600	312,034	-3,00%	109	7,920	311,905	-3,00%	33	8,136	312,116
124+8,034			33	- 10,337	311,859	109	- 10,220	311,743	-3,00%	107	- 3,600	311,942	-3,00%	311,929	312,050	0,121	107	3,600	311,969	-2,25%	109	7,740	311,877	-2,25%	33	7,842	311,977
124+17,258			33	- 10,276	311,769	109	- 10,120	311,616	-3,00%	107	- 3,600	311,811	-3,00%	311,757	311,919	0,162	107	3,600	311,874	-1,25%	109	7,970	311,819	-1,25%	33	8,010	311,795
125+0,000			33	- 10,302	311,745	109	- 10,130	311,574	-3,00%	107	- 3,600	311,895	-3,00%	311,705	311,878	0,173	107	3,600	311,844	-0,96%	109	7,960	311,802	-0,96%	33	8,056	311,741
125+9,018	TE		33	- 11,119	311,657	109	- 10,870	311,409	-3,00%	107	- 3,600	311,627	-3,00%	311,506	311,735	0,230	107	3,600	311,735	0,00%	109	7,970	311,517	0,00%	33	8,010	311,562
125+10,000		PTV	33	- 11,282	311,642	109	- 11,030	311,388	-3,00%	107	- 3,600	311,611	-3,00%	311,482	311,719	0,237	107	3,600	311,723	0,10%	109	7,980	311,504	0,10%	33	8,021	311,542
126+0,000			33	- 14,252	311,501	109	- 13,890	311,136	-3,00%	107	- 3,600	311,444	-3,00%	311,257	311,552	0,296	107	3,600	311,595	1,17%	109	8,090	311,370	1,17%	33	8,138	311,336
126+7,600			33	- 14,591	311,382	109	- 14,590	311,024	-2,67%	107	- 3,600	311,318	-3,00%	311,097	311,426	0,329	107	3,600	311,497	1,98%	109	8,070	311,296	1,98%	33	8,280	311,156
126+15,936			33	- 4,598	311,014	109	- 4,600	311,149	-3,00%	107	- 3,598	311,179	-3,00%	310,924	311,287	0,363	107	3,600	311,395	3,00%	109	8,060	311,217	3,00%	33	8,445	310,956
126+17,143			33	- 4,548	310,991	109	- 4,550	311,130	-3,00%	107	- 3,548	311,160	-3,00%	310,899	311,267	0,368	107	3,600	311,375	3,00%	109	8,060	311,197	3,00%	33	8,459	310,927
127+0,000			33	- 6,412	310,979	109	- 6,370	311,009	-3,30%	107	- 3,434	311,106	-3,30%	310,841	311,219	0,379	107	3,600	311,338	3,30%	109	8,050	311,174	3,30%	33	8,519	310,858
127+14,018	EC		33	- 5,903	310,715	109	- 5,890	310,703	-4,80%	107	- 2,943	310,844	-4,80%	310,577	310,986	0,409	107	3,600	311,159	4,80%	109	8,000	311,062	4,80%	33	8,825	310,512
128+0,000			33	- 5,715	310,608	109	- 5,710	310,612	-4,80%	107	- 2,729	310,755	-4,80%	310,472	310,886	0,414	107	3,600	311,059	4,80%	109	8,000	310,962	4,80%	33	8,901	310,362
128+6,596			33	- 5,488	310,493	109	- 5,460	310,514	-4,80%	107	- 2,476	310,657	-4,80%	310,371	310,776	0,405	107	3,600	310,949	4,80%	109	8,000	310,852	4,80%	33	8,975	310,202
128+19,174	CE		33	- 4,924	310,334	109	- 4,920	310,330	-4,80%	107	- 1,950	310,473	-4,80%	310,223	310,567	0,343	107	3,600	310,739	4,80%	109	8,000	310,643	4,80%	33	8,919	310,030
129+0,000			33	- 4,888	310,324	109	- 4,890	310,323	-4,71%	107	- 1,913	310,463	-4,71%	310,214	310,553	0,339	107	3,600	310,723	4,71%	109	8,000	310,622	4,71%	33	8,903	310,021
129+5,000		PCV	33	- 4,664	310,265	109	- 4,650	310,275	-4,18%	107	- 1,689	310,399	-4,18%	310,159	310,470	0,310	107	3,600	310,620	4,18%	109	8,020	310,495	4,18%	33	8,810	309,968
129+11,618			33	- 4,374	310,182	109	- 4,340	310,206	-3,47%	107	- 1,400	310,308	-3,47%	310,090	310,356	0,266	107	3,600	310,481	3,47%	109	8,040	310,325	3,47%	33	8,678	309,900
129+16,051			33	- 4,395	310,100	109	- 4,320	310,148	-3,00%	107	- 1,400	310,235	-3,00%	310,045	310,277	0,232	107	3,600	310,385	3,00%	109	8,060	310,207	3,00%	33	8,581	309,857
130+0,000			33	- 4,441	310,008	109	- 4,310	310,094	-2,58%	107	- 1,400	310,169	-2,58%	309,961	310,205	0,244	107	3,600	310,298	2,58%	109	8,090	310,073	2,58%	33	8,467	309,820
131+0,000			33	- 4,607	309,549	109	- 4,250	309,787	-0,45%	107	- 1,400	309,800	-0,45%	309,491	309,806	0,315	107	3,600	309,822	0,45%	109	8,090	309,598	0,45%	33	8,389	309,396
131+4,174	EER		33	- 4,609	309,468	109	- 4,240	309,716	0,00%	107	- 1,400	309,716	0,00%	309,404	309,716	0,312	107	3,600	309,716	0,00%	109	8,090	309,492	0,00%	33	8,374	309,300
131+4,179			33	- 4,609	309,468	109	- 4,240	309,716	0,00%	107	- 1,400	309,716	0,00%	309,404	309,716	0,312	107	3,600	309,716	0,00%	109	8,090	309,492	0,00%	33	8,374	309,300
132+0,000			33	- 4,612	309,141	109	- 4,200	309,418	1,51%	107	- 1,400	309,376	1,51%	309,099	309,355	0,256	107	3,600	309,301	-1,51%	109	8,090	309,076	-1,51%	33	8,219	308,988
132+5,000			33	- 4,639	309,014	109	- 4,180	309,319	1,99%	107	- 1,400	309,262	1,99%	308,982	309,234	0,252	107	3,600	309,162	-1,99%	109	8,090	308,938	-1,99%	33	8,153	308,894
132+15,574			33	- 4,681	308,744	109	- 4,160	309,092	3,00%	107	- 1,400	309,009	3,00%	308,714	308,967	0,253	107	3,600	308,859	-3,00%	109	8,020	308,638	-3,00%	33	8,042	308,664
133+0,000			33	- 2,400	308,615	109	- 2,400	308,933	3,42%	107	- 1,400	308,899	3,42%	308,601	308,851	0,250	107	3,600	308,728	-3,42%	109	7,970	308,510	-3,42%	33	8,011	308,554
133+9,179	EC		33	- 2,400	308,378	109	- 2,400	308,706	4,30%	107	- 1,400	308,663	4,30%	308,366	308,602	0,237	107	3,600	308,448	-4,30%	109	7,870	308,234	-4,30%	33	7,951	308,314
133+10,545			33	- 2,400	308,343	109	- 2,400	308,668	4,30%	107	- 1,400	308,625	4,30%	308,331	308,565	0,234	107	3,600	308,410	-4,30%	109	7,880	308,196	-4,30%	33	7,954	308,274
134+0,000			33	- 2,365	308,091	109	- 2,370	308,397	4,30%	107	- 1,400	308,355	4,30%	308,064	308,295	0,231	107	3,600	308,140	-4,30%	109	7,890	307,926	-4,30%	33	7,963	307,999
134+8,773			33	- 1,588	307,847	109	- 1,590	308,103	4,30%	107	- 1,400	308,095	4,30%	307,831	308,035	0,204	107	3,600	307,880	-4,30%	109	7,870	307,666	-4,30%	33	7,948	307,747
135+0,000			33	- 0,855	307,536	109	-	-	-	107	- 0,855	307,723	4,30%	307,527	307,686	0,159	107	3,600	307,532	-4,30%	109	7,740	307,325	-4,30%	33	7,868	307,453
135+5,000		PTV	33	- 0,624	307,393	109	-	-	-	107	- 0,624	307,553	4,30%	307,385	307,526	0,141	107	3,600	307,371	-4,30%	109	7,760	307,163	-4,30%	33	7,883	307,283
135+8,366	CE		33	- 0,500	307,279	109	-	-	-	107	- 0,500	307,439	4,30%	307,268	307,417	0,149	107	3,600	307,262	-4,30%	109	7,790	307,053	-4,30%	33	7,897	307,164
136+0,000			33	- 0,237	306,930	109	-	-	-	107	- 0,237	307,048	3,19%	306,925	307,040	0,115	107	3,600	306,925	-3,19%	109	7,960	306,707	-3,19%	33	8,009	306,753
136+1,971			33	- 0,187	306,870	109	-	-	-	107	- 0,187	306,982	3,00%	306,866	306,976	0,110	107	3,600	306,868	-3,00%	109	7,970	306,650	-3,00%	33	8,010	306,695
137+0,000			33	- 0,005	306,376	109	-	-	-	107	- 0,005	306,392	3,00%	306,376	306,392	0,016	107	3,600	306,284	-3,00%	109	7,620	306,083	-3,00%	33	7,793	306,255
137+13,366	ET	PFV	33	- 0,000	305,968	109	-	-	-	107	-	-	-	305,968	305,959	-0,009	107	3,600	305,851	-3,00%	109	7,320	305,665	-3,00%	33	7,604	305,949

5.1.5.2. Ramo 200

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 965+0,000 - Ramo 200

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM											COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
200+0,000	PP	PPV	33	-	305,968	109	-	-	-	107	-	-	-	305,968	305,959	-0,009	107	3,600	305,851	-3,00%	109	7,600	305,651	-3,00%	33	8,115	306,166
200+7,659			33	- 0,006	306,202	109	-	-	-	107	- 0,006	306,207	3,00%	306,202	306,207	0,005	107	3,600	306,099	-3,00%	109	7,600	305,899	-3,00%	33	8,095	306,394
201+0,000			33	- 0,049	306,524	109	-	-	-	107	- 0,049	306,608	3,00%	306,525	306,607	0,082	107	3,600	306,499	-3,00%	109	7,600	306,299	-3,00%	33	8,016	306,715
202+0,000			33	- 0,426	307,129	109	-	-	-	107	- 0,426	307,268	3,00%	307,138	307,255	0,117	107	3,600	307,147	-3,00%	109	7,390	306,958	-3,00%	33	7,644	307,217
202+5,000		PCV	33	- 0,625	307,279	109	-	-	-	107	- 0,625	307,436	3,00%	307,291	307,417	0,126	107	3,600	307,309	-3,00%	109	7,420	307,118	-3,00%	33	7,665	307,366
202+7,365	TE		33	- 0,728	307,356	109	-	-	-	107	- 0,728	307,515	3,00%	307,364	307,493	0,129	107	3,600	307,385	-3,00%	109	7,440	307,193	-3,00%	33	7,681	307,431
203+0,000			33	- 1,395	307,718	109	-	-	-	107	- 1,395	307,931	3,00%	307,727	307,889	0,162	107	3,600	307,781	-3,00%	109	7,580	307,582	-3,00%	33	7,765	307,771
204+0,000			33	- 3,069	308,271	109	-	-	-	107	- 3,069	308,566	3,00%	308,285	308,474	0,188	107	3,600	308,366	-3,00%	109	7,670	308,162	-3,00%	33	7,825	308,315
204+2,976			33	- 2,401	308,349	109	-	-	-	107	- 2,401	308,628	3,00%	308,358	308,556	0,198	107	3,600	308,448	-3,00%	109	7,700	308,243	-3,00%	33	7,842	308,387
204+7,071			33	- 2,400	308,456	109	- 2,400	308,740	3,00%	107	- 1,400	308,710	3,00%	308,458	308,668	0,210	107	3,600	308,560	-3,00%	109	7,730	308,354	-3,00%	33	7,862	308,486
204+12,365	EC		33	- 2,400	308,596	109	- 2,400	308,891	3,40%	107	- 1,400	308,857	3,40%	308,594	308,810	0,216	107	3,600	308,687	-3,40%	109	7,730	308,481	-3,40%	33	7,862	308,613
204+14,040			33	- 2,400	308,641	109	- 2,400	308,936	3,40%	107	- 1,400	308,902	3,40%	308,638	308,854	0,216	107	3,600	308,732	-3,40%	109	7,740	308,525	-3,40%	33	7,868	308,653
204+18,988			33	- 4,670	308,775	109	- 4,150	309,123	3,40%	107	- 1,400	309,030	3,40%	308,768	308,982	0,214	107	3,600	308,860	-3,40%	109	7,760	308,652	-3,40%	33	7,882	308,772
205+0,000			33	- 4,669	308,802	109	- 4,150	309,149	3,40%	107	- 1,400	309,055	3,40%	308,794	309,008	0,213	107	3,600	308,885	-3,40%	109	7,770	308,677	-3,40%	33	7,884	308,796
205+5,000			33	- 4,658	309,060	109	- 4,150	309,275	3,40%	107	- 1,400	309,306	3,40%	309,051	309,259	0,208	107	3,600	309,136	-3,40%	109	7,780	308,802	-3,40%	33	7,892	309,042
205+5,610	CE		33	- 4,656	308,951	109	- 4,150	309,290	3,40%	107	- 1,400	309,196	3,40%	308,942	309,149	0,207	107	3,600	309,026	-3,40%	109	7,780	308,817	-3,40%	33	7,893	308,931
205+10,905			33	- 4,625	309,091	109	- 4,150	309,403	3,00%	107	- 1,400	309,320	3,00%	309,081	309,278	0,197	107	3,600	309,170	-3,00%	109	7,810	308,959	-3,00%	33	7,913	309,062
206+0,000			33	- 4,561	309,332	109	- 4,180	309,588	2,31%	107	- 1,400	309,524	2,31%	309,319	309,492	0,172	107	3,600	309,408	-2,31%	109	7,820	309,197	-2,31%	33	7,919	309,295
207+0,000			33	- 4,428	309,817	109	- 4,220	309,959	0,80%	107	- 1,400	309,936	0,80%	309,819	309,925	0,106	107	3,600	309,896	-0,80%	109	7,750	309,688	-0,80%	33	7,877	309,811
207+10,610			33	- 4,349	310,060	109	- 4,240	310,134	0,00%	107	- 1,400	310,134	0,00%	310,061	310,134	0,073	107	3,600	310,134	0,00%	109	7,700	309,929	0,00%	33	7,840	310,074
207+10,614	EER		33	- 4,349	310,060	109	- 4,240	310,134	0,00%	107	- 1,400	310,134	0,00%	310,061	310,134	0,073	107	3,600	310,134	0,00%	109	7,700	309,929	0,00%	33	7,840	310,074
208+0,000			33	- 4,245	310,286	109	- 4,240	310,277	-0,71%	107	- 1,400	310,297	-0,71%	310,274	310,307	0,033	107	3,600	310,333	0,71%	109	7,660	310,130	0,71%	33	7,815	310,290
208+5,000		PTV	33	- 4,168	310,416	109	- 4,100	310,351	-1,09%	107	- 1,400	310,380	-1,09%	310,396	310,395	-0,001	107	3,600	310,434	1,09%	109	7,620	310,233	1,09%	33	7,794	310,405
209+0,000			33	- 4,033	310,737	109	- 3,860	310,568	-2,22%	107	- 1,400	310,623	-2,22%	310,712	310,654	-0,058	107	3,600	310,734	2,22%	109	7,530	310,537	2,22%	33	7,737	310,742
209+10,320			33	- 3,998	310,920	109	- 3,800	310,718	-3,00%	107	- 1,400	310,790	-3,00%	310,897	310,832	-0,065	107	3,600	310,940	3,00%	109	7,620	310,779	3,00%	33	7,784	310,942
209+15,614	EC		33	- 3,980	311,013	109	- 3,760	310,795	-3,40%	107	- 1,400	310,875	-3,40%	310,992	310,923	-0,069	107	3,600	311,045	3,40%	109	7,660	310,899	3,40%	33	7,805	311,043
210+0,000			33	- 3,976	311,091	109	- 3,760	310,871	-3,40%	107	- 1,400	310,951	-3,40%	311,070	310,998	-0,072	107	3,600	311,121	3,40%	109	7,670	310,974	3,40%	33	7,810	311,116
210+2,237			33	- 3,976	311,130	109	- 3,760	310,909	-3,40%	107	- 1,400	310,989	-3,40%	311,108	311,037	-0,071	107	3,600	311,159	3,40%	109	7,690	311,012	3,40%	33	7,822	311,146
210+8,859	CE		33	- 3,981	311,240	109	- 3,760	311,023	-3,40%	107	- 1,400	311,103	-3,40%	311,216	311,151	-0,065	107	3,600	311,273	3,40%	109	7,750	311,124	3,40%	33	7,861	311,234
210+14,153			33	- 3,999	311,329	109	- 3,800	311,128	-3,00%	107	- 1,400	311,200	-3,00%	311,288	311,242	-0,045	107	3,600	311,350	3,00%	109	7,740	311,185	3,00%	33	7,859	311,303
210+15,750			33	- 4,000	311,356	109	- 3,800	311,156	-3,00%	107	- 1,400	311,228	-3,00%	311,314	311,270	-0,044	107	3,600	311,378	3,00%	109	7,760	311,212	3,00%	33	7,869	311,323
211+0,000			33	- 2,400	311,394	109	- 2,400	311,271	-3,00%	107	- 1,400	311,301	-3,00%	311,385	311,343	-0,042	107	3,600	311,451	3,00%	109	7,780	311,284	3,00%	33	7,885	311,386
211+3,828			33	- 2,400	311,448	109	- 2,400	311,337	-3,00%	107	- 1,400	311,367	-3,00%	311,449	311,409	-0,040	107	3,600	311,517	3,00%	109	7,790	311,350	3,00%	33	7,887	311,451
211+8,527			33	- 17,025	311,605	109	- 16,490	311,070	-3,00%	107	- 2,648	311,411	-3,00%	311,527	311,490	-0,037	107	3,600	311,598	3,00%	109	7,790	311,430	3,00%	33	7,892	311,528
212+0,000		PCV	33	- 12,956	311,763	109	- 12,510	311,313	-3,00%	107	- 9,477	311,403	-3,00%	311,640	311,688	0,048	107	3,600	311,796	3,00%	109	8,060	311,618	3,00%	33	8,076	311,604
212+6,560			33	- 11,469	311,831	109	- 11,100	311,465	-3,00%	107	- 8,074	311,555	-3,00%	311,684	311,798	0,114	107	3,600	311,906	3,00%	109	8,060	311,727	3,00%	33	8,176	311,647
212+13,859	ET		33	- 10,564	311,902	109	- 10,270	311,604	-3,00%	107	- 7,236	311,695	-3,00%	311,766	311,912	0,146	107	3,600	312,020	3,00%	109	7,990	312,057	3,00%	33	8,273	311,696
212+18,228			33	- 10,403	311,947	109	- 10,130	311,673	-3,00%	107	- 7,100	311,764	-3,00%	311,816	311,977	0,161	107	3,600	312,061	2,34%	109	8,000	311,958	2,34%	33	8,345	311,731
213+0,000			33	- 10,108	311,964	109	- 9,850	311,707	-3,00%	107	- 3,600	311,894	-3,00%	311,836	312,002	0,167	107	3,600	312,077	2,07%	109	8,000	311,986	2,07%	33	8,358	311,744
213+6,980			33	- 10,142	312,037	109	- 9,910	311,801	-3,00%	107	- 3,600	311,990	-3,00%	311,915	312,098	0,183	107	3,600	312,134	1,00%	109	7,970	312,090	1,00%	33	8,272	311,886
213+13,712			33	- 10,166	312,106	109	- 9,940	311,884	-3,00%	107	- 3,600	312,075	-3,00%	312,023	312,183	0,160	107	3,600	312,183	0,00%	109	8,370	312,183	0,00%	33	8,531	312,073
213+17,697			33	- 10,177	312,146	109	- 9,960	311,931	-3,00%	107	- 3,600	312,122	-3,00%	312,093	312,230	0,137	107	3,600	312,208	-0,60%	109	8,630	312,178	-0,60%	33	8,631	312,182
214+0,000			33	- 10,182	312,169	109	- 9,970	311,957	-3,00%	107	- 3,600	312,148	-3,00%	312,133	312,256	0,123	107	3,600	312,222	-0,95%	109	8,610	312,174	-0,95%	33	8,684	312,245
214+13,565			33	- 10,142	312,333	109	- 9,910	312,097	-3,00%	107	- 3,600	312,286	-3,00%	312,370	312,394	0,023	107	3,600	312,286	-3,00%	109	9,040	312,123	-3,00%	33	9,296	312,383
215+0,000			33	- 10,203	312,347	109	- 10,010	312,149	-3,00%	107	- 3,600	312,341	-3,00%	312,401	312,449	0,049	107	3,600	312,341	-3,00%	109	9,560	312,162	-3,00%	33	9,777	312,379
215+1,550			33	- 10,228	312,344	109	- 10,040	312,160	-3,00%	107	- 3,600	312,354	-3,00%	312,397	312,462	0,065	107	3,600	312,354	-3,00%	109	9,680	312,171	-3,00%	33	9,889	312,378
215+11,575			33	- 10,319	312,354	109	- 10,190	312,228	-3,00%	107	- 3,600	312,425	-3,00%	312,370	312,533	0,163	107	3,600	312,425	-3,00%	109	9,890	312,237	-3,00%	33	10,017	312,364
216+0,000		PTV	33	- 10,370	312,369	109	- 10,270	312,274	-3,00%	107	- 3,600	312,474	-3,00%	312,348	312,582	0,234	107	3,600	312,474	-3,00%	109	10,740	312,260	-3,00%	33	10,824	312,342
216+10,793	PC		33	- 10,431	312,384	109	- 10,370	312,326	-3,00%	107	- 3,600	312,529	-3,00%	312,382	312,637	0,256	107	3,600	312,529	-3,00%	109	13,760	312,224	-3,00%	33	13,915	312,380
217+0,000			33	- 10,486	312,394	109	- 10,460	312,370	-3,00%	107	- 3,600	312,576	-3,00%	312,427	312,684	0,258	107	5,370	312,523	-3,00%	109	18,350	312,270	-3,00%	33	18,498	312,416
217+0,440			33	- 10,488	312,395	109	- 10,470	312,373	-3,00%	107	- 3,600	312,579	-3,00%	312,429	312,687	0,258	107	5,612	312,518	-3,00%	109	16,210	312,323	-3,00%	33	16,210	312,417
217+6,786			33	- 10,492	312,425	109	- 10,470	312,405	-3,00%	107	- 3,600	312,611	-3,00%	312,460	312,719	0,259	107	3,600	312,611	-3,00%	109	6,100	312,536	-3,00%	33	6,100	312,448
217+11,169			33	- 10,489	312,449	109	- 10,470	312,427	-3,00%	107	- 3,600	312,633	-3,00%	312,481	312,741	0,260	107	3,600	312,633	-3,00%	109	6,100	312,558	-3,00%	33	6,100	312,469
218+0,000			33	- 10,473	312,505	109	- 10,440	312,473	-3,00%	107	- 3,600	312,679	-3,00%	312,524	312,787	0,263	107	3,600	312,679	-3,00%	109	8,020	312,546	-3,00%	33	8,081	312,508
219+0,000			33	- 10,380	312,670	109	- 10,290	312,580	-3,00%	107	- 3,600	312,781	-3,00%	312,617	312,889	0,272	107	3,600	312,781	-3,00%	109	8,020	312,648	-3,00%	33	8,220	312,518
220+0,000			33	- 10,525	312,675	109	- 10,520	312,676	-3,00%	107	- 3,600	312,883	-3,00%	312,638	312,991	0,353	107	3,600	312,883	-3,00%	109	8,020	312,751	-3,00%	33	8,320	312,554

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 965+0,000 - Ramo 200

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM											COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
220+4,248			33	- 10,553	312,678	109	- 10,520	312,697	-3,00%	107	- 3,600	312,905	-3,00%	312,636	313,013	0,377	107	3,600	312,905	-3,00%	109	8,020	312,772	-3,00%	33	8,342	312,561
220+6,301			33	- 10,561	312,683	109	- 10,520	312,708	-3,00%	107	- 3,600	312,916	-3,00%	312,635	313,024	0,389	107	3,600	312,916	-3,00%	109	6,100	312,841	-3,00%	33	6,102	312,582
220+10,380			33	- 10,578	312,693	109	- 10,520	312,729	-3,00%	107	- 3,600	312,936	-3,00%	312,633	313,044	0,411	107	3,600	312,936	-3,00%	109	6,100	312,861	-3,00%	33	6,100	312,581
220+16,162			33	- 10,623	312,692	109	- 10,520	312,758	-3,00%	107	- 3,600	312,966	-3,00%	312,630	313,074	0,444	107	4,998	312,924	-3,00%	109	15,430	312,560	-3,00%	33	15,431	312,548
221+0,000			33	- 10,662	312,686	109	- 10,520	312,778	-3,00%	107	- 3,600	312,986	-3,00%	312,628	313,094	0,466	107	3,600	312,986	-3,00%	109	16,450	312,600	-3,00%	33	16,521	312,551
222+0,000			33	- 10,748	312,731	109	- 10,520	312,880	-3,00%	107	- 3,600	313,088	-3,00%	312,653	313,196	0,543	107	3,600	313,088	-3,00%	109	10,400	312,884	-3,00%	33	10,834	312,595
222+4,196			33	- 10,758	312,746	109	- 10,520	312,902	-3,00%	107	- 3,600	313,109	-3,01%	312,665	313,217	0,552	107	3,600	313,109	-3,01%	109	10,220	312,911	-3,01%	33	10,685	312,603
222+19,239			33	- 10,800	312,795	109	- 10,520	312,979	-3,00%	107	- 3,600	313,186	-3,00%	312,709	313,294	0,585	107	3,600	313,186	-3,00%	109	10,220	312,988	-3,00%	33	10,743	312,642
223+0,000			33	- 10,803	312,797	109	- 10,520	312,983	-3,00%	107	- 3,600	313,190	-3,00%	312,711	313,298	0,587	107	3,600	313,190	-3,00%	109	10,180	312,993	-3,00%	33	10,705	312,644
223+4,949			33	- 10,911	312,750	109	- 10,520	313,008	-3,00%	107	- 3,600	313,216	-3,00%	312,726	313,324	0,598	107	3,600	313,216	-3,00%	109	9,880	313,027	-3,00%	33	10,435	312,660
224+0,000			33	- 11,136	312,677	109	- 10,520	313,085	-3,00%	107	- 3,600	313,293	-3,00%	312,705	313,401	0,696	107	3,600	313,293	-3,00%	109	8,920	313,133	-3,00%	33	9,661	312,640
224+1,810			33	- 11,158	312,671	109	- 10,520	313,094	-3,00%	107	- 3,600	313,302	-3,00%	312,702	313,410	0,708	107	3,600	313,302	-3,00%	109	8,800	313,146	-3,00%	33	9,558	312,640
224+9,234			33	- 11,241	312,654	109	- 10,520	313,132	-3,00%	107	- 3,600	313,340	-3,00%	312,689	313,448	0,759	107	3,600	313,340	-3,00%	109	8,290	313,199	-3,00%	33	9,125	312,645
224+13,200			33	- 11,282	312,647	109	- 10,520	313,153	-3,00%	107	- 3,600	313,360	-3,00%	312,683	313,468	0,785	107	3,600	313,411	-1,60%	109	7,980	313,341	-1,60%	33	9,022	312,648
224+17,734			33	- 11,329	312,639	109	- 10,520	313,176	-3,00%	107	- 3,600	313,383	-3,00%	312,685	313,491	0,807	107	3,600	313,491	0,00%	109	7,940	313,491	0,00%	33	9,201	312,649
225+0,000			33	- 11,353	312,635	109	- 10,520	313,187	-3,00%	107	- 3,600	313,395	-3,00%	312,682	313,503	0,821	107	3,600	313,532	0,80%	109	7,920	313,566	0,80%	33	9,290	312,650
225+0,568	PC		33	- 11,361	312,634	109	- 10,530	313,190	-3,00%	107	- 3,600	313,398	-3,00%	312,681	313,506	0,825	107	3,600	313,542	1,00%	109	7,910	313,585	1,00%	33	9,313	312,650
225+6,234			33	- 11,655	312,622	109	- 10,770	313,212	-3,00%	107	- 3,600	313,427	-3,00%	312,666	313,535	0,869	107	3,600	313,643	3,00%	109	7,860	313,771	3,00%	33	9,536	312,652
225+13,520			33	- 12,520	312,665	109	- 11,690	313,222	-3,00%	107	- 3,600	313,464	-3,00%	312,646	313,572	0,926	107	3,600	313,680	3,00%	109	7,860	313,808	3,00%	33	9,603	312,645
225+14,165			33	- 12,625	312,671	109	- 11,800	313,222	-3,00%	107	- 3,600	313,468	-3,00%	312,644	313,576	0,931	107	3,600	313,684	3,00%	109	7,860	313,811	3,00%	33	9,610	312,643
226+0,000			33	- 13,802	312,734	109	- 13,080	313,213	-3,00%	107	- 3,600	313,497	-3,00%	312,629	313,605	0,977	107	3,600	313,713	3,00%	109	8,060	313,535	3,00%	33	9,416	312,627
226+5,000		PCV	33	- 15,182	312,777	109	- 14,560	313,194	-3,00%	107	- 3,600	313,523	-3,00%	312,621	313,631	1,010	107	3,600	313,739	3,00%	109	8,060	313,561	3,00%	33	9,467	312,619
226+12,963			33	- 14,840	312,780	109	- 14,840	313,404	-1,41%	107	- 3,600	313,562	-3,00%	312,617	313,670	1,053	107	3,600	313,778	3,00%	109	8,060	313,600	3,00%	33	9,532	312,615
227+0,000			33	- 6,742	312,676	109	- 6,740	313,617	0,75%	107	- 3,621	313,593	-3,00%	312,616	313,702	1,086	107	3,600	313,810	3,00%	109	8,060	313,632	3,00%	33	9,585	312,612
227+0,917			33	- 4,600	312,660	109	- 4,600	313,568	-3,00%	107	- 3,600	313,598	-3,00%	312,619	313,706	1,087	107	3,600	313,814	3,00%	109	8,060	313,636	3,00%	33	9,592	312,611
227+1,123			33	- 4,595	312,660	109	- 4,600	313,569	-3,00%	107	- 3,600	313,599	-3,00%	312,619	313,707	1,088	107	3,600	313,815	3,00%	109	8,060	313,637	3,00%	33	9,593	312,611
227+4,377			33	- 4,600	312,670	109	- 4,600	313,583	-3,00%	107	- 3,600	313,613	-3,00%	312,629	313,721	1,092	107	3,600	313,829	3,00%	109	8,060	313,650	3,00%	33	9,617	312,609
228+0,000			33	- 7,380	312,648	109	- 5,950	313,601	-3,00%	107	- 3,027	313,688	-3,00%	312,601	313,779	1,178	107	3,600	313,887	3,00%	109	8,060	313,709	3,00%	33	9,451	312,778
228+8,725			33	- 7,171	312,592	109	- 5,600	313,638	-3,00%	107	- 2,677	313,726	-3,00%	312,589	313,806	1,217	107	3,600	313,914	3,00%	109	8,060	313,736	3,00%	33	9,618	312,694
229+0,000			33	- 6,812	312,603	109	- 4,990	313,817	-0,39%	107	- 2,144	313,828	-0,39%	312,624	313,836	1,212	107	3,600	313,850	0,39%	109	8,060	313,672	0,39%	33	9,560	312,668
229+1,677	CER		33	- 6,730	312,616	109	- 4,890	313,840	0,00%	107	- 2,057	313,840	0,00%	312,637	313,840	1,203	107	3,600	313,840	0,00%	109	8,090	313,615	0,00%	33	9,490	312,680
229+16,154			33	- 5,989	312,729	109	- 4,200	313,918	1,22%	107	- 1,400	313,884	1,22%	312,748	313,867	1,119	107	3,600	313,823	-1,22%	109	8,090	313,599	-1,22%	33	9,313	312,781
230+0,000			33	- 5,964	312,759	109	- 4,200	313,937	1,55%	107	- 1,400	313,894	1,55%	312,777	313,873	1,095	107	3,600	313,817	-1,55%	109	8,090	313,593	-1,55%	33	9,264	312,808
230+17,204			33	- 5,987	312,794	109	- 4,160	314,013	3,00%	107	- 1,400	313,930	3,00%	312,695	313,888	1,193	107	3,600	313,780	-3,00%	109	8,090	313,556	-3,00%	33	9,144	312,850
231+0,000			33	- 6,066	312,747	109	- 4,150	314,023	3,24%	107	- 1,400	313,934	3,24%	312,664	313,889	1,225	107	3,600	313,772	-3,24%	109	8,090	313,548	-3,24%	33	9,136	312,848
231+5,000			33	- 6,210	312,663	109	- 4,140	314,043	3,66%	107	- 1,400	313,941	3,66%	312,609	313,890	1,281	107	3,600	313,758	-3,66%	109	8,090	313,534	-3,66%	33	9,119	312,845
231+6,162	EC		33	- 6,243	312,643	109	- 4,140	314,045	3,76%	107	- 1,400	313,942	3,76%	312,609	313,890	1,281	107	3,600	313,755	-3,76%	109	8,090	313,530	-3,76%	33	9,115	312,845
231+6,677			33	- 6,258	312,634	109	- 4,140	314,047	3,80%	107	- 1,400	313,943	3,80%	312,609	313,890	1,281	107	3,600	313,753	-3,80%	109	8,090	313,529	-3,80%	33	9,113	312,844
231+14,428			33	- 6,460	312,498	109	- 4,140	314,045	3,80%	107	- 1,400	313,941	3,80%	312,619	313,888	1,269	107	3,600	313,751	-3,80%	109	8,090	313,527	-3,80%	33	9,113	312,843
232+0,000			33	- 6,396	312,537	109	- 4,140	314,042	3,80%	107	- 1,400	313,938	3,80%	312,646	313,885	1,239	107	3,600	313,748	-3,80%	109	8,090	313,524	-3,80%	33	9,108	312,843
232+2,178	CE		33	- 6,359	312,560	109	- 4,140	314,041	3,80%	107	- 1,400	313,937	3,80%	312,662	313,883	1,221	107	3,600	313,747	-3,80%	109	8,090	313,522	-3,80%	33	9,110	312,840
232+2,767			33	- 6,347	312,567	109	- 4,140	314,038	3,75%	107	- 1,400	313,935	3,75%	312,666	313,883	1,217	107	3,600	313,748	-3,75%	109	8,090	313,524	-3,75%	33	9,113	312,839
232+11,652			33	- 2,400	312,674	109	- 2,400	313,945	3,00%	107	- 1,400	313,915	3,00%	312,735	313,873	1,138	107	3,600	313,765	-3,00%	109	8,090	313,541	-3,00%	33	9,155	312,829
232+14,470			33	- 2,400	312,697	109	- 2,400	313,942	3,00%	107	- 1,400	313,912	3,00%	312,758	313,870	1,112	107	3,600	313,762	-3,00%	109	8,090	313,537	-3,00%	33	9,153	312,826
233+0,000			33	- 2,805	312,733	109	- 2,810	313,945	3,00%	107	- 1,400	313,903	3,00%	312,791	313,861	1,070	107	3,600	313,753	-3,00%	109	8,090	313,529	-3,00%	33	9,133	312,831
234+0,000			33	- 1,296	312,849	109	-	-	-	107	- 1,296	313,855	3,00%	312,837	313,817	0,980	107	3,600	313,709	-3,00%	109	8,090	313,484	-3,00%	33	8,999	312,876
234+7,178	ET		33	- 0,938	312,873	109	-	-	-	107	- 0,938	313,824	3,00%	312,873	313,796	0,923	107	3,600	313,688	-3,00%	109	8,090	313,463	-3,00%	33	8,938	312,896
235+0,000			33	- 0,451	312,874	109	-	-	-	107	- 0,451	313,765	3,00%	312,876	313,752	0,876	107	3,600	313,644	-3,00%	109	8,090	313,420	-3,00%	33	8,840	312,917
236+0,000			33	- 0,061	312,884	109	-	-	-	107	- 0,061	313,669	3,00%	312,885	313,667	0,783	107	3,600	313,559	-3,00%	109	8,090	313,335	-3,00%	33	8,657	312,955
236+2,704			33	- 0,043	312,890	109	-	-	-	107	- 0,043	313,655	3,00%	312,890	313,654	0,764	107	3,600	313,546	-3,00%	109	8,090	313,322	-3,00%	33	8,627	312,961
237+0,000		PTV	33	-	312,918	109	-	-	-	107	- 1,400	313,610	3,00%	312,918	313,568	0,649	107	3,600	313,460	-3,00%	109	8,090	313,235	-3,00%	33	8,465	312,983
237+2,756	PF	PFV	33	-	312,922	109	-	-	-	107	- 1,400	313,596	3,00%	312,922	313,554	0,632	107	3,600	313,446	-3,00%	109	8,090	313,222	-3,00%	33	8,444	312,984

5.1.5.3. Ramo 300

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 965+0,000 - Ramo 300																				
ESTACA			LADO ESQUERDO							COTAS DE EIXO			LADO DIREITO										
			PLATAFORMA DE TERRAPLENAGEM										PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma							Bordo da pista				Fim da plataforma			Talude			
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	Dist.	Cota	Cota	P.	Dist.	Cota
301+13,811			33	- 4,180	312,812	109	- 3,390	313,336	-2,00%	312,780	313,404	0,624	107	10,000	313,604	2,00%	11,000	313,624	2,00%	33	11,000	312,674
301+15,470			33	- 4,178	312,816	109	- 3,390	313,338	-2,00%	312,793	313,406	0,613	107	10,000	313,606	2,00%	11,000	313,626	2,00%	33	11,000	312,700
302+0,000			33	- 4,162	312,830	109	- 3,390	313,342	-2,00%	312,815	313,409	0,594	107	10,000	313,609	2,00%	12,780	313,665	2,00%	33	14,150	312,755
302+3,312			33	- 4,152	312,837	109	- 3,390	313,343	-2,00%	312,835	313,410	0,575	107	10,000	313,610	2,00%	12,780	313,666	2,00%	33	14,110	312,782
302+4,000			33	- 4,151	312,838	109	- 3,390	313,343	-2,00%	312,839	313,411	0,571	107	10,000	313,611	2,00%	12,780	313,666	2,00%	33	14,098	312,790
302+4,248			33	- 4,152	312,838	109	- 3,390	313,343	-2,00%	312,840	313,411	0,571	107	10,000	313,611	2,00%	12,780	313,666	2,00%	33	14,094	312,793
302+12,937			33	- 4,130	312,847	109	- 3,390	313,338	-2,00%	312,862	313,406	0,544	107	10,000	313,606	2,00%	11,000	313,938	2,00%	33	11,000	313,626
302+16,657	PCC		33	- 4,120	312,850	109	- 3,390	313,333	-2,00%	312,873	313,401	0,528	107	10,000	313,601	2,00%	11,000	313,621	2,00%	33	11,000	312,933

5.1.5.4. Ramo 400

NOTA DE SERVIÇO DE TERRAPLENAGEM																							
DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO																							
Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 965+0,000 - Ramo 400																				
ESTACA			LADO ESQUERDO							COTAS DE EIXO			LADO DIREITO										
			PLATAFORMA DE TERRAPLENAGEM										PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Terreno Natural	Terraplenagem	Cota vermelha	Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
401+11,529			33	- 3,511	311,430	109	- 3,040	310,963	-2,00%	311,383	311,024	-0,359	107	10,000	311,224	2,00%	109	11,000	311,244	2,00%	33	11,000	311,071
401+13,097			33	- 3,516	311,419	109	- 3,040	310,948	-2,00%	311,379	311,009	-0,371	107	10,000	311,209	2,00%	109	12,780	311,264	2,00%	33	13,157	311,016
402+0,000			33	- 3,546	311,416	109	- 3,040	310,914	-2,00%	311,368	310,975	-0,393	107	10,000	311,175	2,00%	109	12,780	311,231	2,00%	33	12,896	311,156
402+0,602			33	- 3,552	311,422	109	- 3,040	310,914	-2,00%	311,377	310,975	-0,402	107	10,000	311,175	2,00%	109	12,780	311,231	2,00%	33	12,882	311,466
402+0,674			33	- 3,553	311,423	109	- 3,040	310,914	-2,00%	311,378	310,975	-0,403	107	10,000	311,175	2,00%	109	12,780	311,231	2,00%	33	12,882	311,466
402+12,226			33	- 3,601	311,551	109	- 3,040	310,995	-2,00%	311,532	311,055	-0,476	107	10,000	311,255	2,00%	109	12,630	311,308	2,00%	33	12,693	311,372
402+14,333	PCC		33	- 3,595	311,577	109	- 3,040	311,026	-2,00%	311,559	311,087	-0,472	107	10,000	311,287	2,00%	109	11,000	311,307	2,00%	33	11,000	311,444
402+17,471			33	- 3,590	311,630	109	- 3,040	311,084	-2,00%	311,604	311,145	-0,459	107	10,000	311,345	2,00%	109	11,000	311,365	2,00%	33	11,000	311,462

5.1.5.5. Ramo 500

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 965+0,000 - Ramo 500																				
			LADO ESQUERDO											COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM														PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
501+10,401			33	- 10,000	312,810	109	- 10,000	312,921	3,00%	107	- 9,000	312,891	3,00%	312,857	312,621	-0,236	109	2,730	312,539	-3,00%	33	3,060	312,869
501+13,860			33	- 10,000	312,817	109	- 10,000	312,997	4,08%	107	- 9,000	312,956	4,08%	312,857	312,589	-0,268	109	2,710	312,478	-4,08%	33	3,105	312,870
501+18,323			33	- 12,296	312,802	109	- 11,700	313,200	5,48%	107	9,000	313,053	5,48%	312,857	312,558	-0,299	109	2,690	312,412	-5,48%	33	3,136	312,855
502+0,000			33	- 12,365	312,800	109	- 11,690	313,253	6,00%	107	- 9,000	313,092	6,00%	312,857	312,552	-0,305	109	2,690	312,391	-6,00%	33	3,166	312,871
502+6,637			33	- 12,347	312,798	109	- 11,690	313,239	6,00%	107	- 9,000	313,078	6,00%	312,855	312,532	-0,323	109	2,690	312,377	-6,00%	33	3,178	312,870
502+8,000			33	- 12,348	312,799	109	- 11,690	313,240	6,00%	107	- 9,000	313,079	6,00%	312,855	312,539	-0,317	109	2,690	312,378	-6,00%	33	3,178	312,870
503+0,000			33	- 12,400	312,819	109	- 11,690	313,295	6,00%	107	- 9,000	313,134	6,00%	312,886	312,594	-0,292	109	2,690	312,433	-6,00%	33	3,168	312,915
503+16,646	PT		33	- 12,413	313,036	109	- 11,690	313,521	6,00%	107	- 9,000	313,360	6,00%	313,115	312,820	-0,295	109	2,690	312,658	-6,00%	33	3,162	313,134
503+18,693	PF	PFV	33	- 12,405	313,079	109	- 11,690	313,558	6,00%	107	- 9,000	313,397	6,00%	313,157	312,857	-0,300	109	2,690	312,696	-6,00%	33	3,167	313,177

5.1.5.6. Ramo 600

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 965+0,000 - Ramo 600																					
			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
600+0,000	PC	PCV	33	- 12,172	313,045	109	- 11,690	313,369	6,00%	107	- 9,000	313,208	6,00%	312,968	312,668	-0,300	109	2,690	312,507	-6,00%	33	3,127	312,948
600+5,000			33	- 12,206	312,934	109	- 11,680	313,282	6,00%	107	- 9,000	313,120	6,00%	312,881	312,579	-0,302	109	2,690	312,420	-6,00%	33	3,136	312,868
600+10,000			33	- 12,237	312,858	109	- 11,690	313,225	6,00%	107	- 9,000	313,064	6,00%	312,830	312,524	-0,306	109	2,690	312,363	-6,00%	33	3,146	312,823
600+10,333			33	- 12,242	312,852	109	- 11,690	313,222	6,00%	107	- 9,000	313,061	6,00%	312,825	312,521	-0,304	109	2,690	312,360	-6,00%	33	3,144	312,818
601+0,000		PTV	33	- 12,266	312,760	109	- 11,690	313,146	6,00%	107	- 9,000	312,985	6,00%	312,751	312,445	-0,306	109	2,690	312,284	-6,00%	33	3,150	312,749
601+18,000		PCV	33	- 12,211	312,655	109	- 11,690	313,005	6,00%	107	- 9,000	312,844	6,00%	312,646	312,304	-0,342	109	2,690	312,143	-6,00%	33	3,187	312,644
601+19,182			33	- 12,208	312,648	109	- 11,690	312,996	6,00%	107	- 9,000	312,835	6,00%	312,641	312,295	-0,346	109	2,690	312,134	-6,00%	33	3,174	312,639
602+0,000			33	- 12,207	312,643	109	- 11,690	312,991	6,00%	107	- 9,000	312,830	6,00%	312,637	312,290	-0,347	109	2,690	312,128	-6,00%	33	3,192	312,635
602+4,379			33	- 12,016	312,607	109	- 11,720	312,804	4,58%	107	- 9,000	312,680	4,58%	312,611	312,268	-0,343	109	2,670	312,146	-4,58%	33	3,172	312,610
602+9,242			33	- 10,000	312,571	109	- 10,000	312,559	3,00%	107	- 9,000	312,529	3,00%	312,573	312,259	-0,314	109	2,730	312,177	-3,00%	33	3,126	312,574

5.1.5.7. Ramo 700

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 965+0,000 - Ramo 700																					
			LADO ESQUERDO												COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM															PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
701+10,693			33	- 10,000	312,441	109	- 10,000	312,623	3,00%	107	- 9,000	312,593	3,00%	312,417	312,323	-0,094	109	2,680	312,242	-3,00%	33	2,850	312,411
701+14,230			33	- 10,000	312,452	109	- 10,000	312,715	4,14%	107	- 9,000	312,674	4,14%	312,428	312,301	-0,126	109	2,550	312,196	-4,14%	33	2,778	312,425
701+19,358			33	- 12,396	312,478	109	- 11,690	312,948	5,79%	107	- 9,000	312,792	5,79%	312,455	312,271	-0,184	109	2,690	312,115	-5,79%	33	3,036	312,463
702+0,000			33	- 12,418	312,480	109	- 11,690	312,968	6,00%	107	- 9,000	312,807	6,00%	312,461	312,267	-0,193	109	2,690	312,106	-6,00%	33	2,770	312,467
702+15,000		PCV	33	- 12,281	312,482	109	- 11,690	312,879	6,00%	107	- 9,000	312,718	6,00%	312,459	312,178	-0,281	109	2,690	312,017	-6,00%	33	3,126	312,457
703+0,000			33	- 12,257	312,476	109	- 11,890	312,718	6,00%	107	- 9,000	312,696	6,00%	312,440	312,156	-0,284	109	2,740	312,053	-6,00%	33	3,131	312,439
703+4,759			33	- 12,270	312,461	109	- 11,690	312,850	6,00%	107	- 9,000	312,689	6,00%	312,421	312,149	-0,272	109	2,690	311,988	-6,00%	33	3,126	312,428
703+5,000			33	- 12,271	312,460	109	- 11,690	312,850	6,00%	107	- 9,000	312,689	6,00%	312,421	312,149	-0,272	109	2,690	311,988	-6,00%	33	3,126	312,428
703+8,384			33	- 12,284	312,455	109	- 11,690	312,854	6,00%	107	- 9,000	312,693	6,00%	312,437	312,153	-0,285	109	2,690	311,992	-6,00%	33	3,140	312,446
703+15,000		PTV	33	- 12,256	312,501	109	- 11,690	312,882	6,00%	107	- 9,000	312,721	6,00%	312,479	312,181	-0,298	109	2,690	312,020	-6,00%	33	3,151	312,485
703+18,716	PT		33	- 12,266	312,518	109	- 11,690	312,905	6,00%	107	- 9,000	312,744	6,00%	312,503	312,204	-0,299	109	2,690	312,043	-6,00%	33	3,150	312,507
704+0,000			33	- 12,273	312,522	109	- 11,690	312,913	6,00%	107	- 9,000	312,752	6,00%	312,512	312,212	-0,300	109	2,690	312,051	-6,00%	33	3,151	312,516
704+0,772	PF	PFV	33	- 12,277	312,524	109	- 11,690	312,913	6,00%	107	- 9,000	312,757	6,00%	312,517	312,217	-0,300	109	2,690	312,051	-6,00%	33	3,151	312,521

5.1.5.8. Ramo 800

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 965+0,000 - Ramo 800																				
ESTACA			LADO ESQUERDO											COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM														PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
800+0,000	PC	PPV	33	- 12,462	312,579	109	- 11,690	313,096	6,00%	107	- 9,000	312,935	6,00%	312,695	312,395	-0,300	109	2,690	312,234	-6,00%	33	3,177	312,725
800+10,332			33	- 12,389	312,575	109	- 11,690	313,044	6,00%	107	- 9,000	312,883	6,00%	312,639	312,343	-0,295	109	2,690	312,182	-6,00%	33	3,156	312,652
800+15,000		PCV	33	- 12,406	312,541	109	- 11,690	313,021	6,00%	107	- 9,000	312,860	6,00%	312,603	312,320	-0,283	109	2,690	312,159	-6,00%	33	3,146	312,619
801+0,000			33	- 12,417	312,517	109	- 11,690	313,004	6,00%	107	- 9,000	312,843	6,00%	312,567	312,303	-0,264	109	2,690	312,142	-6,00%	33	3,129	312,585
801+2,738			33	- 12,430	312,505	109	- 11,690	313,002	6,00%	107	- 9,000	312,841	6,00%	312,552	312,301	-0,251	109	2,690	312,139	-6,00%	33	3,114	312,568
801+15,000			33	- 12,531	312,487	109	- 11,690	313,051	4,80%	107	- 9,000	312,890	6,13%	312,540	312,349	-0,191	109	2,690	312,189	-6,00%	33	3,051	312,553
802+0,000			33	- 12,588	312,496	109	- 11,690	313,098	6,00%	107	- 9,000	312,937	6,00%	312,548	312,397	-0,151	109	2,690	312,236	-6,00%	33	3,005	312,555
802+0,316			33	- 12,592	312,497	109	- 11,690	313,102	6,00%	107	- 9,000	312,940	6,00%	312,549	312,400	-0,149	109	2,690	312,239	-6,00%	33	3,001	312,555
802+0,316			33	- 12,592	312,497	109	- 11,690	313,102	6,00%	107	- 9,000	312,940	6,00%	312,549	312,400	-0,149	109	2,690	312,239	-6,00%	33	3,001	312,555
802+6,106			33	- 12,377	312,556	109	- 11,720	312,991	4,39%	107	- 9,000	312,872	4,39%	312,550	312,477	-0,072	109	2,650	312,361	-4,39%	33	2,845	312,553
802+11,078			33	- 10,000	312,572	109	- 10,000	312,860	3,00%	107	- 9,000	312,830	3,00%	312,548	312,560	0,012	109	2,920	312,472	-3,00%	33	2,996	312,552

5.1.6.Interseção Est.1300+0,000

5.1.6.1. Ramo 100

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 1300+0,000 - Ramo 100

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM											COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
100+0,000	PP	PPV	33	-	277,212	109	-	-	-	107	-	-	-	277,212	284,366	7,154	107	3,600	284,258	-3,00%	109	7,600	284,058	-3,00%	33	7,600	277,235
101+0,000			33	- 0,000	277,131	109	-	-	-	107	-	-	-	277,131	283,577	6,446	107	3,600	283,469	-3,00%	109	7,600	283,269	-3,00%	33	7,600	277,233
102+0,000			33	- 0,359	277,216	109	-	-	-	107	- 0,359	283,099	3,00%	277,209	282,789	5,579	107	3,600	282,681	-3,00%	109	7,600	282,481	-3,00%	33	7,600	277,188
102+0,539			33	- 0,411	277,219	109	-	-	-	107	- 4,110	282,780	3,00%	277,212	282,767	5,555	107	3,600	282,659	-3,00%	109	7,600	282,459	-3,00%	33	7,600	277,191
102+3,177			33	- 0,672	277,219	109	-	-	-	107	- 0,672	282,983	3,00%	277,220	282,663	5,444	107	3,600	282,555	-3,00%	109	7,600	282,355	-3,00%	33	7,600	277,195
103+0,000		PCV	33	- 2,639	277,142	109	-	-	-	107	- 2,639	282,379	3,00%	277,144	282,000	4,856	107	3,600	281,892	-3,00%	109	8,090	281,668	-3,00%	33	14,681	277,271
103+12,303			33	- 3,400	277,092	109	-	-	-	107	- 3,400	281,646	3,00%	277,084	281,544	4,460	107	3,600	281,436	-3,00%	109	8,090	281,211	-3,00%	33	13,987	277,278
103+13,322			33	- 3,400	277,087	109	-	-	-	107	- 3,400	281,915	3,00%	277,079	281,513	4,433	107	3,600	281,405	-3,00%	109	8,090	281,180	-3,00%	33	13,922	277,290
104+0,000			33	- 3,400	277,054	109	-	-	-	107	- 3,400	281,690	3,00%	277,046	281,288	4,242	107	3,600	281,180	-3,00%	109	8,090	280,955	-3,00%	33	13,585	277,289
104+0,601			33	- 3,400	277,051	109	-	-	-	107	- 3,400	281,671	3,00%	277,043	281,269	4,226	107	3,600	281,161	-3,00%	109	8,090	280,936	-3,00%	33	13,565	277,284
104+8,202			33	- 7,413	277,105	109	- 5,160	281,195	3,00%	107	- 2,400	281,112	3,00%	277,076	281,040	3,964	107	3,600	280,932	-3,00%	109	8,090	280,707	-3,00%	33	13,205	277,295
105+0,000			33	- 10,704	277,133	109	- 5,200	280,803	1,43%	107	- 2,400	280,763	1,43%	277,169	280,728	3,560	107	3,600	280,677	-1,43%	109	8,090	280,453	-1,43%	33	12,583	277,455
105+5,000			33	- 10,469	277,151	109	- 5,210	280,656	0,76%	107	- 2,400	280,631	0,76%	277,197	280,613	3,416	107	3,600	280,585	-0,76%	109	8,090	280,361	-0,76%	33	12,373	277,503
105+10,702	TE		33	- 10,235	277,161	109	- 5,240	280,492	0,00%	107	- 2,400	280,492	0,00%	277,213	280,492	3,279	107	3,600	280,492	0,00%	109	8,090	280,268	0,00%	33	12,227	277,508
106+0,000			33	- 9,893	277,178	109	- 5,270	280,260	-1,19%	107	- 2,400	280,294	-1,19%	277,239	280,322	3,083	107	3,600	280,367	1,24%	109	8,090	280,143	1,24%	33	12,027	277,515
106+2,924			33	- 9,791	277,187	109	- 5,280	280,193	-1,57%	107	- 2,401	280,238	-1,57%	277,254	280,276	3,022	107	3,600	280,334	1,63%	109	8,090	280,110	1,63%	33	11,975	277,518
106+6,317			33	- 3,400	277,317	109	-	-	-	107	- 3,400	280,458	-2,00%	277,366	280,226	2,860	107	3,600	280,301	2,08%	109	8,090	280,077	2,08%	33	11,901	277,533
106+13,202			33	- 10,880	277,410	109	-	-	-	107	- 10,880	279,917	-2,03%	277,593	280,138	2,545	107	3,600	280,246	3,00%	109	8,090	280,022	3,00%	33	11,638	277,654
106+14,588			33	- 12,214	277,388	109	-	-	-	107	- 12,214	279,861	-2,14%	277,638	280,123	2,485	107	3,600	280,237	3,18%	109	8,080	280,024	3,18%	33	11,598	277,678
106+16,994			33	- 17,614	277,250	109	- 14,080	279,607	-3,51%	107	- 10,245	279,738	-3,51%	277,716	280,098	2,381	107	3,600	280,224	3,51%	109	8,060	280,031	3,51%	33	11,530	277,721
107+0,000			33	- 15,508	277,359	109	- 12,160	279,594	-3,91%	107	- 8,518	279,737	-3,91%	277,813	280,069	2,256	107	3,600	280,210	3,91%	109	7,840	280,375	3,91%	33	11,802	277,731
107+10,000		PTV	33	- 12,579	277,583	109	- 9,720	279,491	-5,24%	107	- 6,210	279,675	-5,24%	277,723	280,000	2,278	107	3,600	280,189	5,24%	109	7,800	280,409	5,24%	33	11,874	277,695
107+15,702	EC		33	- 11,707	277,673	109	- 9,080	279,427	-6,00%	107	- 5,547	279,639	-6,00%	277,675	279,972	2,297	107	3,600	280,188	6,00%	109	8,050	280,455	6,00%	33	12,252	277,656
108+0,000			33	- 11,252	277,691	109	- 8,640	279,432	-6,00%	107	- 5,113	279,643	-6,00%	277,664	279,950	2,287	107	3,600	280,166	6,00%	109	8,330	280,450	6,00%	33	12,552	277,633
109+0,000			33	- 9,319	278,084	109	- 7,330	279,410	-6,00%	107	- 3,809	279,622	-6,00%	277,608	279,850	2,243	107	3,600	280,066	6,00%	109	9,680	280,431	6,00%	33	14,465	277,239
109+9,904			33	- 9,312	277,915	109	- 7,130	279,373	-6,00%	107	- 3,605	277,654	-6,00%	277,551	279,801	2,250	107	3,600	280,017	6,00%	109	10,390	280,424	6,00%	33	15,261	277,174
109+11,768			33	- 9,376	277,860	109	- 7,120	279,364	-6,00%	107	- 3,600	279,575	-6,00%	277,538	279,791	2,253	107	3,600	280,007	6,00%	109	10,390	280,415	6,00%	33	15,314	277,129
109+19,447			33	- 9,657	277,634	109	- 7,120	279,326	-6,00%	107	- 3,600	279,537	-6,00%	277,494	279,753	2,259	107	3,600	279,969	6,00%	109	10,540	279,969	6,00%	33	15,507	276,656
110+0,000			33	- 9,677	277,618	109	- 7,120	279,323	-6,00%	107	- 3,600	279,534	-6,00%	277,491	279,750	2,259	107	7,203	280,182	6,00%	109	10,550	279,952	6,00%	33	15,005	276,980
110+2,241			33	- 9,758	277,553	109	- 7,310	279,312	-6,00%	107	- 3,600	279,523	-6,00%	277,480	279,739	2,259	107	7,321	279,936	6,00%	109	10,680	279,920	6,00%	33	15,168	276,927
110+16,387			33	- 9,973	277,339	109	- 7,120	279,241	-6,00%	107	- 3,600	279,452	-6,00%	277,096	279,668	2,572	107	12,942	280,445	6,00%	109	12,950	280,031	6,00%	33	12,947	276,758
111+0,000			33	- 9,761	277,462	109	- 7,120	279,223	-6,00%	107	- 3,600	279,434	-6,00%	277,281	279,650	2,369	107	3,600	279,866	6,00%	109	9,220	279,875	6,00%	33	9,224	277,009
111+3,244			33	- 9,680	277,500	109	- 7,120	279,207	-6,00%	107	- 3,603	279,418	-6,00%	277,263	279,634	2,371	107	3,600	279,850	6,00%	109	6,100	280,000	6,00%	33	6,102	277,083
112+0,000			33	- 9,340	277,643	109	- 7,120	279,123	-6,00%	107	- 3,600	279,334	-6,00%	277,432	279,550	2,118	107	3,600	279,766	6,00%	109	6,100	279,916	6,00%	33	6,100	277,259
112+0,113			33	- 9,338	277,644	109	- 7,120	279,122	-6,00%	107	- 3,600	279,334	-6,00%	277,433	279,550	2,117	107	3,600	279,766	6,00%	109	6,100	279,916	6,00%	33	6,100	277,261
112+4,054			33	- 9,234	277,693	109	- 7,120	279,103	-6,00%	107	- 3,600	279,314	-6,00%	277,446	279,530	2,084	107	3,706	279,752	6,00%	109	12,910	279,657	6,00%	33	12,913	277,136
112+8,781	CE		33	- 9,176	277,708	109	- 7,120	279,079	-6,00%	107	- 3,600	279,290	-6,00%	277,398	279,506	2,108	107	10,355	280,128	6,00%	109	13,880	279,526	6,00%	33	17,717	277,058
113+0,000			33	- 9,089	277,786	109	- 7,070	279,132	-4,50%	107	- 3,600	279,288	-4,50%	277,285	279,450	2,165	107	7,503	279,788	4,50%	109	10,830	279,649	4,50%	33	14,417	277,259
113+11,281			33	- 9,048	277,834	109	- 7,020	279,183	-3,00%	107	- 3,600	279,286	-3,00%	277,729	279,394	1,665	107	3,600	279,502	3,01%	109	10,460	279,708	3,01%	33	13,820	277,466
113+12,350			33	- 9,046	277,837	109	- 7,020	279,188	-2,87%	107	- 3,600	279,286	-2,86%	277,751	279,388	1,637	107	3,600	279,491	2,86%	109	10,460	279,687	2,86%	33	13,771	277,481
113+18,781			33	- 9,029	277,860	109	- 6,990	279,216	-2,00%	107	- 3,600	279,284	-2,00%	277,886	279,356	1,470	107	3,600	279,428	2,00%	109	10,480	279,566	2,00%	33	13,474	277,573
114+0,000			33	- 9,023	277,866	109	- 6,990	279,222	-1,84%	107	- 3,600	279,284	-1,84%	277,912	279,350	1,438	107	3,600	279,416	1,84%	109	10,450	279,543	1,84%	33	13,417	277,590
114+5,328			33	- 8,999	277,892	109	- 6,970	279,245	-1,13%	107	- 3,600	279,283	-1,13%	277,967	279,324	1,357	107	3,600	279,364	1,13%	109	10,510	279,442	1,13%	33	13,172	277,665
114+7,114			33	- 8,996	277,900	109	- 6,970	279,253	-0,89%	107	- 3,605	279,283	-0,89%	277,965	279,315	1,350	107	3,600	279,347	0,89%	109	10,510	279,408	0,89%	33	13,090	277,690
114+13,781	ECR		33	- 9,253	277,929	109	- 7,230	279,281	0,00%	107	- 3,883	279,281	0,00%	277,956	279,281	1,325	107	3,600	279,281	0,00%	109	10,080	279,281	0,00%	33	12,323	277,784
115+0,000			33	- 9,956	277,948	109	- 7,910	279,316	0,83%	107	- 4,573	279,288	0,83%	277,965	279,250	1,285	107	3,600	279,220	-0,83%	109	9,710	279,170	-0,83%	33	11,652	277,873
115+16,281			33	- 14,861	277,967	109	- 13,060	279,169	0,00%	107	- 9,372	279,169	0,00%	278,048	279,169	1,121	107	3,600	279,061	-3,00%	109	8,730	278,907	-3,00%	33	9,430	278,441
115+19,652			33	- 12,398	277,991	109	-	-	-	107	- 12,398	278,938	-1,73%	278,064	279,152	1,088	107	3,600	279,044	-3,00%	109	8,510	278,897	-3,00%	33	9,677	278,121
116+0,000			33	- 12,089	277,995	109	-	-	-	107	- 12,090	278,952	-1,64%	278,066	279,150	1,085	107	3,600	279,042	-3,00%	109	8,490	278,895	-3,00%	33	9,650	278,122
116+7,178			33	- 5,816	278,088	109	-	-	-	107	- 5,816	279,289	3,00%	278,109	279,114	1,005	107	3,600	279,006	-3,00%	109	8,020	278,874	-3,00%	33	9,161	278,116
116+8,714			33	- 3,394	278,121	109	-	-	-	107	- 3,393	279,208	3,00%	278,077	279,107	1,030	107	3,602	278,999	-3,00%	109	8,020	278,866	-3,00%	33	9,137	278,124
116+11,534			33	- 5,100	278,053	109	- 5,100	279,246	3,00%	107	- 3,600	279,201	3,00%	278,074	279,093	1,018	107	3,600	278,985	-3,00%	109	8,020	278,852	-3,00%	33	9,094	278,138
117+0,000			33	- 6,915	278,034	109	- 5,160	279,205	3,00%	107	- 2,400	279,122	3,00%	278,080	279,050	0,970	107	3,600	278,942	-3,00%	109	8,020	278,809	-3,00%	33	8,964	278,183

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 1300+0,000 - Ramo 100

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM											COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
117+2,346			33	- 6,866	278,055	109	- 5,160	279,193	3,00%	107	- 2,400	279,110	3,00%	278,082	279,038	0,956	107	3,603	278,930	-3,00%	109	8,090	278,706	-3,00%	33	8,853	278,195
118+0,000			33	- 6,609	278,138	109	- 5,160	279,105	3,00%	107	- 2,400	279,022	3,00%	278,123	278,950	0,827	107	3,600	278,842	-3,00%	109	8,090	278,618	-3,00%	33	8,555	278,305
118+12,509			33	- 6,654	278,045	109	- 5,160	279,042	3,00%	107	- 2,400	278,960	3,00%	278,032	278,888	0,856	107	3,600	278,780	-3,00%	109	8,090	278,555	-3,00%	33	8,764	278,103
119+0,000			33	- 6,646	278,014	109	- 5,160	279,005	3,00%	107	- 2,400	278,922	3,00%	277,973	278,850	0,877	107	3,600	278,742	-3,00%	109	8,090	278,518	-3,00%	33	8,850	278,009
120+0,000			33	- 6,835	277,787	109	- 5,160	278,905	3,00%	107	- 2,400	278,822	3,00%	277,845	278,750	0,905	107	3,600	278,642	-3,00%	109	8,090	278,418	-3,00%	33	8,976	277,825
120+11,390			33	- 6,427	277,650	109	- 5,160	278,848	3,00%	107	- 2,400	278,765	3,00%	277,727	278,693	0,966	107	3,600	278,585	-3,00%	109	8,090	278,361	-3,00%	33	9,048	277,720
120+17,806			33	- 6,037	277,837	109	- 5,350	278,822	3,00%	107	- 2,589	278,739	3,00%	277,889	278,661	0,772	107	3,600	278,553	-3,00%	109	7,910	278,338	-3,00%	33	8,494	277,949
121+0,000			33	- 3,656	278,138	109	- 3,660	278,760	3,00%	107	- 2,655	278,730	3,00%	277,928	278,650	0,722	107	3,600	278,542	-3,00%	109	7,850	278,330	-3,00%	33	8,317	278,020
122+0,000			33	- 4,261	277,632	109	- 4,260	278,678	3,00%	107	- 3,261	278,648	3,00%	277,702	278,550	0,849	107	3,600	278,442	-3,00%	109	7,380	278,253	-3,00%	33	8,155	277,739
122+11,238	PT		33	- 4,600	277,596	109	- 4,600	278,632	3,00%	107	- 3,600	278,602	3,00%	277,615	278,494	0,879	107	3,600	278,386	-3,00%	109	7,170	278,208	-3,00%	33	7,963	277,676
123+0,000			33	- 4,600	277,528	109	- 4,600	278,588	3,00%	107	- 3,600	278,558	3,00%	277,551	278,450	0,899	107	3,600	278,342	-3,00%	109	7,070	278,169	-3,00%	33	7,789	277,690
123+6,639	PF	PFV	33	- 4,600	277,463	109	- 4,600	278,555	3,00%	107	- 3,600	278,525	3,00%	277,543	278,417	0,874	107	3,600	278,309	-3,00%	109	7,090	278,135	-3,00%	33	7,741	277,698

5.1.6.2. Ramo 200

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 1300+0,000 - Ramo 200

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM												COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Bordo da pista								Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
200+0,000	PP	PPV	33	-4,600	556,179	109	-4,600	278,555	3,00%	107	-3,600	278,525	3,00%	277,450	278,417	0,967	107	3,600	278,309	-3,00%	109	7,600	278,109	-3,00%	33	7,600	278,109
200+2,289	TE		33	-4,600	277,488	109	-4,600	278,566	3,00%	107	-3,600	278,536	3,00%	277,477	278,428	0,952	107	3,600	278,320	-3,00%	109	7,090	278,146	-3,00%	33	8,103	277,469
201+0,000			33	-4,125	277,615	109	-4,130	278,641	3,00%	107	-3,125	278,611	3,00%	277,647	278,517	0,870	107	3,600	278,409	-3,00%	109	7,480	278,215	-3,00%	33	8,340	277,640
201+2,289			33	-4,049	277,613	109	-4,050	278,650	3,00%	107	-3,048	278,620	3,00%	277,644	278,528	0,884	107	3,600	278,420	-3,00%	109	7,540	278,223	-3,00%	33	8,353	277,684
201+12,289			33	-3,723	277,645	109	-3,720	278,690	3,00%	107	-2,722	278,660	3,00%	277,634	278,578	0,944	107	3,600	278,470	-3,00%	109	7,830	278,259	-3,00%	33	8,647	277,712
202+0,000			33	-3,518	277,674	109	-3,520	278,759	4,03%	107	-2,518	278,718	4,03%	277,659	278,617	0,958	107	3,600	278,472	-4,03%	109	8,000	278,252	-4,03%	33	8,841	277,689
202+7,289	EC		33	-3,400	278,200	109	-3,400	278,823	5,00%	107	-2,400	278,773	5,00%	278,138	278,653	0,516	107	3,600	278,473	-5,00%	109	8,090	278,249	-5,00%	33	8,735	277,817
202+8,712			33	-3,400	277,849	109	-3,400	278,831	5,00%	107	-2,400	278,781	5,00%	277,877	278,661	0,783	107	3,600	278,481	-5,00%	109	8,090	278,256	-5,00%	33	8,517	277,969
202+18,440			33	-7,017	277,693	109	-5,110	278,965	5,00%	107	-2,400	278,829	5,00%	277,554	278,709	1,155	107	3,600	278,529	-5,00%	109	8,090	278,305	-5,00%	33	9,332	277,475
203+0,000			33	-7,005	277,709	109	-5,110	278,972	5,00%	107	-2,400	278,837	5,00%	277,551	278,717	1,166	107	3,600	278,537	-5,00%	109	8,090	278,313	-5,00%	33	9,361	277,463
203+9,591	CE		33	-6,968	277,781	109	-5,110	279,020	5,00%	107	-2,400	278,885	5,00%	277,530	278,765	1,235	107	3,600	278,585	-5,00%	109	8,090	278,361	-5,00%	33	9,415	277,475
204+0,000			33	-6,907	277,835	109	-5,140	279,014	3,84%	107	-2,400	278,909	3,84%	277,571	278,817	1,246	107	3,600	278,679	-3,84%	109	8,090	278,454	-3,84%	33	9,396	277,582
204+7,592			33	-6,823	277,900	109	-5,160	279,010	3,00%	107	-2,400	278,927	3,00%	277,786	278,855	1,069	107	3,600	278,747	-3,00%	109	8,090	278,523	-3,00%	33	9,353	277,678
205+0,000			33	-6,662	278,022	109	-5,190	279,001	1,62%	107	-2,400	278,956	1,62%	277,636	278,917	1,281	107	3,600	278,859	-1,62%	109	8,090	278,634	-1,62%	33	9,211	277,885
205+14,591	ECR		33	-6,617	278,070	109	-5,240	278,990	0,00%	107	-2,400	278,990	0,00%	278,056	278,990	0,934	107	3,600	278,990	0,00%	109	8,090	278,766	0,00%	33	9,196	278,026
205+14,593			33	-6,618	278,070	109	-5,240	278,990	0,00%	107	-2,400	278,990	0,00%	278,056	278,990	0,934	107	3,600	278,990	0,00%	109	8,090	278,766	0,00%	33	9,196	278,026
206+0,000			33	-6,738	277,997	109	-5,250	278,985	-0,60%	107	-2,400	279,003	-0,60%	277,985	279,017	1,032	107	3,600	279,039	0,60%	109	8,080	278,824	0,60%	33	9,382	277,955
206+17,340			33	-3,399	277,942	109	-3,400	279,318	-2,53%	107	-2,400	279,043	-2,53%	277,887	279,104	1,217	107	3,600	279,195	2,53%	109	8,060	279,009	2,53%	33	9,860	277,809
207+0,000			33	-3,401	277,949	109	-	-	-	107	-3,401	279,321	-2,82%	277,894	279,117	1,223	107	3,600	279,219	2,82%	109	8,060	279,038	2,82%	33	9,874	277,826
207+0,681			33	-3,400	277,951	109	-	-	-	107	-3,400	279,022	-2,90%	277,896	279,120	1,224	107	3,600	279,225	2,90%	109	8,060	279,045	2,90%	33	9,877	277,831
207+1,594			33	-4,883	277,969	109	-	-	-	107	-4,883	279,056	-1,40%	277,899	279,125	1,226	107	3,600	279,233	3,00%	109	8,050	279,055	3,00%	33	9,882	277,837
207+8,871			33	-12,191	279,151	109	-	-	-	107	-12,191	278,851	-2,54%	277,887	279,161	1,274	107	3,600	279,269	3,00%	109	8,060	279,091	3,00%	33	9,897	277,863
208+0,000			33	-11,746	277,904	109	-10,240	278,910	-3,00%	107	-6,770	279,014	-3,00%	277,819	279,217	1,398	107	3,600	279,325	3,00%	109	8,050	279,147	3,00%	33	10,342	277,622
209+0,000			33	-9,165	277,820	109	-7,250	279,100	-3,00%	107	-3,819	279,202	-3,00%	277,645	279,317	1,672	107	3,600	279,425	3,00%	109	8,050	279,247	3,00%	33	10,920	277,337
209+7,185			33	-9,130	277,738	109	-7,020	279,142	-3,00%	107	-3,600	279,245	-3,00%	277,641	279,353	1,712	107	3,600	279,461	3,00%	109	8,060	279,283	3,00%	33	10,990	277,326
209+18,289			33	-9,402	277,613	109	-7,020	279,198	-3,00%	107	-3,600	279,300	-3,00%	277,595	279,408	1,813	107	3,600	279,516	3,00%	109	8,060	279,338	3,00%	33	11,094	277,312
210+0,000			33	-9,444	277,593	109	-7,020	279,206	-3,00%	107	-3,600	279,309	-3,00%	277,575	279,417	1,842	107	3,600	279,525	3,00%	109	8,050	279,347	3,00%	33	11,116	277,306
211+0,000			33	-9,681	277,535	109	-7,020	279,306	-3,00%	107	-3,600	279,409	-3,00%	277,502	279,517	2,015	107	3,600	279,625	3,00%	109	8,050	279,447	3,00%	33	11,035	277,460
212+0,000			33	-9,848	277,524	109	-7,020	279,406	-3,00%	107	-3,600	279,509	-3,00%	277,501	279,617	2,116	107	3,600	279,725	3,00%	109	8,050	279,547	3,00%	33	11,044	277,554
213+0,000			33	-10,146	277,425	109	-7,020	279,506	-3,00%	107	-3,600	279,609	-3,00%	277,497	279,717	2,220	107	3,600	279,825	3,00%	109	8,050	279,647	3,00%	33	11,528	277,331
213+10,976			33	-10,427	277,293	109	-7,020	279,561	-3,00%	107	-3,600	279,664	-3,00%	277,371	279,772	2,401	107	3,600	279,880	3,00%	109	8,050	279,702	3,00%	33	11,652	277,304
213+17,738			33	-10,670	277,211	109	-7,000	279,659	-2,07%	107	-3,600	279,730	-2,09%	277,281	279,806	2,525	107	3,600	279,881	2,09%	109	8,060	279,689	2,09%	33	11,688	277,273
214+0,000			33	-10,773	277,183	109	-7,010	279,691	-1,79%	107	-3,622	279,752	-1,79%	277,251	279,817	2,566	107	3,600	279,881	1,79%	109	8,070	279,685	1,79%	33	11,715	277,253
214+1,984	PT		33	-10,896	277,160	109	-7,060	279,719	-1,52%	107	-3,676	279,771	-1,52%	277,224	279,827	2,603	107	3,600	279,882	1,52%	109	8,070	279,681	1,52%	33	11,738	277,236
214+10,000		PCV	33	-11,690	277,139	109	-7,650	279,833	-0,45%	107	-4,290	279,848	-0,45%	277,141	279,867	2,726	107	3,600	279,883	0,45%	109	8,080	279,666	0,45%	33	11,828	277,168
214+13,359	TE		33	-12,218	277,138	109	-8,100	279,886	0,00%	107	-4,741	279,886	0,00%	277,129	279,886	2,757	107	3,600	279,886	0,00%	109	8,090	279,662	0,00%	33	11,846	277,155
215+0,000			33	-13,504	277,140	109	-9,380	279,890	-0,50%	107	-5,991	279,906	-0,50%	277,104	279,936	2,833	107	3,600	279,905	-0,89%	109	8,090	279,680	-0,89%	33	11,912	277,130
215+8,359			33	-16,533	277,150	109	-12,410	279,900	-1,00%	107	-8,790	279,937	-1,00%	277,082	280,024	2,942	107	3,600	279,952	-2,00%	109	8,090	279,728	-2,00%	33	12,025	277,102
215+12,632			33	-12,369	277,132	109	-	-	-	107	-12,369	279,882	-1,60%	277,081	280,080	2,999	107	3,600	279,987	-2,57%	109	8,090	279,763	-2,57%	33	12,087	277,096
215+15,859			33	-9,456	277,119	109	-	-	-	107	-9,456	280,060	-0,71%	277,080	280,126	3,046	107	3,600	280,018	-3,00%	109	8,090	279,794	-3,00%	33	12,140	277,092
216+0,000			33	-5,864	277,103	109	-	-	-	107	-5,864	280,282	1,54%	277,079	280,192	3,113	107	3,600	280,064	-3,55%	109	8,090	279,831	-3,55%	33	12,209	277,087
216+1,565			33	-3,400	277,095	109	-	-	-	107	-3,400	280,346	3,76%	277,081	280,219	3,138	107	3,600	280,083	-3,76%	109	8,100	279,847	-3,76%	33	12,237	277,085
216+4,312			33	-6,004	277,109	109	-5,130	280,479	4,13%	107	-2,400	280,367	4,13%	277,084	280,267	3,183	107	3,600	280,119	-4,13%	109	8,100	279,877	-4,13%	33	12,284	277,087
216+15,000			33	-10,541	277,139	109	-5,100	280,766	5,55%	107	-2,400	280,619	5,55%	277,083	280,486	3,402	107	3,600	280,286	-5,55%	109	8,120	280,022	-5,55%	33	12,502	277,096
216+18,359	EC		33	-10,677	277,141	109	-5,090	280,869	6,00%	107	-2,400	280,707	6,00%	277,081	280,563	3,482	107	3,600	280,347	-6,00%	109	8,120	280,076	-6,00%	33	12,585	277,099
217+0,000			33	-10,738	277,140	109	-5,090	280,908	6,00%	107	-2,400	280,747	6,00%	277,080	280,603	3,523	107	3,600	280,387	-6,00%	109	8,120	280,116	-6,00%	33	12,643	277,100
218+0,000			33	-6,376	277,057	109	-5,090	281,475	6,00%	107	-2,400	281,314	6,00%	277,069	281,170	4,101	107	3,600	280,954	-6,00%	109	8,120	280,683	-6,00%	33	13,814	276,886
218+2,054			33	-5,955	277,056	109	-5,090	281,542	6,00%	107	-2,400	281,381	6,00%	277,076	281,237	4,161	107	3,600	281,021	-6,00%	109	8,120	280,750	-6,00%	33	13,825	276,946
218+7,607			33	-3,400	277,088	109	-	-	-	107	-3,400	281,630	6,00%	277,094	281,426	4,332	107	3,600	281,210	-6,00%	109	8,120	280,939	-6,00%	33	13,895	277,089
218+10,077			33	-4,600	277,094	109	-4,600	281,790	6,00%	107	-3,600	281,730	6,00%	277,102	281,514	4,412	107	3,600	281,298	-6,00%	109	8,120	281,027	-6,00%	33	14,010	277,100
219+0,000		PTV	33	-2,868	277,134	109	-	-	-	107	-2,868	282,364	6,00%	277,137	281,892	4,755	107	3,600	281,676	-6,00%	109	8,120	281,405	-6,00%	33	14,512	277,143
219+16,856	CE		33	-1,391	277,211	109	-	-	-	107	-1,391	282,950	6,00%	277,211	282,566	5,355	107	3,600	282,350	-6,00%	109	8,120	282,079	-6,00%	33	15,441	277,198
220+0,000			33	-1,270	277,224	109	-	-	-	107	-1,270	283,063	5,58%	277,224	282,692	5,468	107	3,600	282,491	-5,58%	109	7,600	282,257	-5,58%	33	7,600	277,221
220+19,356			33	-0,281	277,126	109	-	-	-	107	-0,281	283,774	3,00%	277,130	283,466	6,336	107	3,600	283,358	-3,00%	109	7,600	283,158	-3,00%	33	7,600	277,266

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Dispositivo Est. 1300+0,000 - Ramo 200

Rodovia: BR-158/262-MS		Elementos do Projeto		LADO ESQUERDO										COTAS DE EIXO			LADO DIREITO									
				PLATAFORMA DE TERRAPLENAGEM													PLATAFORMA DE TERRAPLENAGEM									
				Talude			Fim da plataforma				Bordo da pista						Bordo da pista			Fim da plataforma				Talude		
ESTACA		Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Deciv.	P.	Dist.	Cota	Deciv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
221+0,000				33	- 0,258	277,127	109	-	-	-	107	- 0,258	283,800	3,00%	277,131	283,492	6,360	107	3,600	283,384	-3,00%	109	7,600	283,184	-3,00%	33	7,600	277,262
221+6,856				33	- 0,083	277,143	109	-	-	-	107	- 0,083	284,069	3,00%	277,144	283,766	6,622	107	3,600	283,658	-3,00%	109	7,600	283,458	-3,00%	33	7,600	277,255
222+0,000				33	- 0,000	277,182	109	-	-	-	107	-	-	-	277,182	284,292	7,110	107	3,600	284,184	-3,00%	109	7,600	283,984	-3,00%	33	7,600	277,170
222+1,856	ET		PFV	33	-	277,212	109	-	-	-	107	-	-	-	277,212	284,366	7,154	107	3,600	284,258	-3,00%	109	7,600	284,058	-3,00%	33	7,600	277,178

5.1.6.3. Ramo 300

NOTA DE SERVIÇO DE TERRAPLENAGEM																								
DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO																								
Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 1300+0,000 - Ramo 300																					
ESTACA			LADO ESQUERDO							COTAS DE EIXO			LADO DIREITO											
			PLATAFORMA DE TERRAPLENAGEM										PLATAFORMA DE TERRAPLENAGEM											
			Talude			Fim da plataforma							Bordo da pista				Fim da plataforma				Talude			
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplen agem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota	
301+16,560			33	- 4,732	277,964	109	- 3,420	278,835	-3,00%	277,991	278,938	0,947	107	10,000	279,238	3,00%	109	11,000	279,268	3,00%	33	11,000	278,100	
301+18,223			33	- 4,713	277,961	109	- 3,420	278,822	-2,92%	277,988	278,922	0,934	107	10,000	279,214	2,92%	109	11,000	279,243	2,92%	33	11,000	278,106	
302+0,000			33	- 4,696	277,958	109	- 3,420	278,810	-2,83%	277,984	278,907	0,923	107	10,000	279,190	2,83%	109	12,760	279,268	2,83%	33	14,609	278,037	
302+6,429			33	- 4,671	277,940	109	- 3,410	278,781	-2,51%	277,959	278,866	0,907	107	10,000	279,118	2,51%	109	12,500	279,368	2,51%	33	14,384	278,112	
302+14,107			33	- 4,666	277,932	109	- 3,390	278,777	-2,13%	277,931	278,849	0,918	107	10,000	279,063	2,13%	109	12,500	279,309	2,13%	33	14,511	277,968	
302+14,786			33	- 4,668	277,931	109	- 3,400	278,780	-2,10%	277,929	278,850	0,921	107	10,000	279,060	2,10%	109	11,000	279,081	2,10%	33	11,000	278,000	
302+16,761			33	- 4,679	277,927	109	- 3,390	278,784	-2,00%	277,923	278,852	0,929	107	10,000	279,052	2,00%	109	11,000	279,072	2,00%	33	11,000	277,967	

5.1.6.4. Ramo 400

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 1300+0,000 - Ramo 400																					
			LADO ESQUERDO							COTAS DE EIXO			LADO DIREITO											
			PLATAFORMA DE TERRAPLENAGEM										PLATAFORMA DE TERRAPLENAGEM											
			Talude			Fim da plataforma							Bordo da pista				Fim da plataforma				Talude			
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
401+17,063			33	- 7,328	277,162	109	- 3,460	279,743	-4,00%	277,132	279,882	2,750	107	10,000	280,282	4,00%	109	11,000	280,322	4,00%	33	11,000	277,101
401+18,693			33	- 7,321	277,169	109	- 3,450	279,748	-3,90%	277,137	279,883	2,746	107	10,000	280,273	3,90%	109	11,000	280,312	3,90%	33	11,000	277,112
401+19,718			33	- 7,316	277,174	109	- 3,450	279,751	-3,83%	277,140	279,883	2,743	107	10,000	280,267	3,83%	109	12,740	280,372	3,83%	33	17,628	277,111
402+0,000			33	- 7,314	277,175	109	- 3,450	279,752	-3,82%	277,141	279,883	2,742	107	10,000	280,265	3,82%	109	12,740	280,369	3,82%	33	17,622	277,113
402+0,000			33	- 7,314	277,175	109	- 3,450	279,752	-3,82%	277,141	279,883	2,742	107	10,000	280,265	3,82%	109	12,740	280,369	3,82%	33	17,622	277,113
402+6,254			33	- 7,265	277,208	109	- 3,440	279,760	-3,42%	277,175	279,878	2,703	107	10,000	280,220	3,42%	109	12,750	280,314	3,42%	33	17,471	277,165
402+11,029			33	- 7,173	277,263	109	- 3,430	279,760	-3,13%	277,320	279,867	2,547	107	10,000	280,180	3,13%	109	11,000	280,211	3,13%	33	11,000	277,210
402+13,029			33	- 7,104	277,305	109	- 3,420	279,778	-3,00%	277,388	279,861	2,473	107	10,000	280,161	3,00%	109	11,000	280,191	3,00%	33	11,000	277,315

5.1.6.5. Ramo 500

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 1300+0,000 - Ramo 500																	
ESTACA			LADO ESQUERDO							COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM										PLATAFORMA DE TERRAPLENAGEM						
			Talude			Bordo da pista							Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
500+19,272			33	- 10,000	277,083	107	- 10,000	280,000	2,69%	276,758	279,731	2,973	109	3,420	279,639	-2,69%	33	7,823	276,700
501+0,000			33	- 11,484	277,087	107	- 11,484	280,025	2,67%	276,735	279,718	2,983	109	3,410	279,627	-2,67%	33	7,814	276,693
501+1,454			33	- 15,447	277,131	107	- 15,447	280,098	2,64%	276,684	279,692	3,008	109	3,410	279,601	-2,64%	33	7,814	276,668
501+5,000			33	- 11,377	276,831	107	- 11,377	279,915	2,56%	276,563	279,623	3,060	109	3,410	279,534	-2,56%	33	7,819	276,597
501+7,187			33	- 10,000	276,762	107	- 10,000	279,829	2,51%	276,616	279,578	2,962	109	3,410	279,492	-2,51%	33	7,805	276,562
501+9,339	PCC		33	- 9,072	276,581	107	- 9,072	279,731	2,21%	276,580	279,530	2,950	109	3,410	279,443	-2,55%	33	7,770	276,537
502+0,000			33	- 6,009	276,277	107	- 6,009	279,428	2,77%	276,188	279,262	3,074	109	3,420	279,167	-2,77%	33	7,703	276,310
502+0,404			33	- 5,897	276,267	107	- 5,897	279,415	2,78%	276,178	279,251	3,073	109	3,420	279,156	-2,78%	33	7,699	276,302
502+10,000		PTV	33	- 4,510	276,009	107	- 4,510	279,091	2,97%	276,055	278,958	2,903	109	3,420	278,856	-2,97%	33	7,559	276,098
502+11,469	PT	PFV	33	- 5,000	275,969	107	- 5,000	279,059	3,00%	276,051	278,909	2,858	109	3,420	278,806	-3,00%	33	7,516	276,078

5.1.6.6. Ramo 600

NOTA DE SERVIÇO DE TERRAPLENAGEM																				
DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO																				
Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 1300+0,000 - Ramo 600																	
ESTACA			LADO ESQUERDO							COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM										PLATAFORMA DE TERRAPLENAGEM						
			Talude			Bordo da pista							Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
600+0,000	PP	PCV	33	- 4,788	275,972	107	- 4,788	279,044	0,00%	275,927	279,044	3,117	109	3,340	279,044	0,00%	33	8,272	275,754
600+18,899	PC		33	- 4,788	276,416	107	- 4,788	279,573	2,05%	276,341	279,475	3,134	109	3,400	279,405	-2,05%	33	8,185	276,213
601+0,000			33	- 4,958	276,445	107	- 4,958	279,600	2,17%	276,365	279,492	3,127	109	3,400	279,418	-2,17%	33	8,175	276,235
601+5,000			33	- 6,539	276,588	107	- 6,539	279,738	2,71%	276,469	279,560	3,091	109	3,420	279,465	-2,71%	33	8,132	276,323
601+7,635			33	- 8,000	276,762	107	- 8,000	279,828	3,00%	276,521	279,588	3,068	109	3,420	279,486	-3,00%	33	8,103	276,366
602+0,000			33	- 10,026	277,211	107	- 10,026	279,978	3,21%	276,959	279,656	2,697	109	3,430	279,546	-3,21%	33	7,442	276,872
602+0,524			33	- 9,570	277,222	107	- 9,570	279,964	3,22%	276,970	279,656	2,686	109	3,430	279,546	-3,22%	33	7,385	276,910
602+1,518			33	- 8,751	277,241	107	- 8,751	279,940	3,23%	276,993	279,657	2,664	109	3,430	279,546	-3,23%	33	7,278	276,981
602+2,502			33	- 8,000	277,261	107	- 8,000	279,916	3,25%	277,136	279,656	2,520	109	3,430	279,545	-3,25%	33	7,173	277,051

5.1.6.7. Ramo 700

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 1300+0,000 - Ramo 700

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM											COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
700+0,000	TE	PPV	33	- 12,772	275,754	109	- 7,840	279,044	0,00%	107	- 4,500	279,044	0,00%	275,973	279,044	3,071	107	4,500	278,909	-3,00%	109	7,920	278,806	-3,00%	33	12,018	276,077
701+0,000			33	- 12,213	275,645	109	- 7,890	278,524	2,40%	107	- 4,500	278,526	2,40%	275,628	278,418	2,790	107	4,500	278,283	-3,00%	109	7,890	278,200	-3,00%	33	11,629	275,710
701+5,000	EC		33	- 12,155	275,563	109	- 7,890	278,403	3,00%	107	- 4,500	278,396	3,00%	275,539	278,261	2,722	107	4,500	278,126	-3,00%	109	7,890	278,043	-3,00%	33	11,557	275,602
701+17,500			33	- 11,922	275,327	109	- 7,890	278,012	3,00%	107	- 4,500	278,005	3,00%	275,352	277,870	2,518	107	4,500	277,735	-3,00%	109	7,890	277,652	-3,00%	33	11,308	275,376
702+0,000			33	- 11,882	275,275	109	- 7,890	277,934	3,00%	107	- 4,500	277,927	3,00%	275,304	277,792	2,487	107	4,500	277,657	-3,00%	109	7,890	277,574	-3,00%	33	11,257	275,332
703+0,000			33	- 11,563	274,862	109	- 7,890	277,308	3,00%	107	- 4,500	277,301	3,00%	274,901	277,166	2,265	107	4,500	277,031	-3,00%	109	7,890	276,948	-3,00%	33	10,943	274,915
703+5,073			33	- 11,425	274,795	109	- 7,760	277,239	3,00%	107	- 4,500	277,142	3,00%	274,778	277,007	2,229	107	4,500	276,872	-3,00%	109	7,920	276,769	-3,00%	33	10,875	274,801
704+0,000			33	- 10,654	274,842	109	- 7,890	276,681	3,00%	107	- 4,500	276,674	3,00%	274,755	276,539	1,784	107	4,500	276,404	-3,00%	109	7,890	276,321	-3,00%	33	10,363	274,676
704+2,645			33	- 10,519	274,849	109	- 7,890	276,599	3,00%	107	- 4,500	276,592	3,00%	274,762	276,457	1,694	107	4,500	276,322	-3,00%	109	7,890	276,239	-3,00%	33	10,228	274,683
704+5,000		PCV	33	- 10,400	274,854	109	- 7,890	276,525	3,00%	107	- 4,500	276,518	3,00%	274,768	276,383	1,615	107	4,500	276,248	-3,00%	109	7,890	276,165	-3,00%	33	10,108	274,689
705+0,000			33	- 9,728	274,883	109	- 7,890	276,105	3,00%	107	- 4,500	276,098	3,00%	274,798	275,963	1,165	107	4,500	275,828	-3,00%	109	7,890	275,745	-3,00%	33	9,428	274,723
705+5,145	CE		33	- 9,482	274,926	109	- 7,890	275,984	3,00%	107	- 4,500	275,977	3,00%	274,805	275,842	1,037	107	4,500	275,707	-3,00%	109	7,890	275,624	-3,00%	33	9,235	274,730
706+0,000			33	- 8,722	275,090	109	- 7,890	275,641	2,01%	107	- 4,500	275,649	2,01%	274,893	275,559	0,666	107	4,500	275,424	-3,00%	109	7,890	275,341	-3,00%	33	8,788	274,745
706+15,000			33	- 8,149	275,225	109	- 7,890	275,395	1,01%	107	- 4,500	275,417	1,01%	275,102	275,372	0,270	107	4,500	275,237	-3,00%	109	7,890	275,154	-3,00%	33	8,209	274,944
707+0,000			33	- 8,012	275,256	109	- 7,890	275,335	0,68%	107	- 4,500	275,362	0,68%	275,134	275,332	0,197	107	4,500	275,197	-3,00%	109	7,890	275,114	-3,00%	33	8,053	275,008
707+10,145	ET		33	- 7,776	275,326	109	- 7,890	275,247	0,00%	107	- 4,500	275,285	0,00%	275,218	275,285	0,066	107	4,500	275,150	-3,00%	109	7,890	275,067	-3,00%	33	7,810	275,123
707+15,564			33	- 7,669	275,372	109	- 7,550	275,254	-0,31%	107	- 4,500	275,264	-0,31%	275,277	275,278	0,001	107	4,500	275,143	-3,00%	109	7,580	275,051	-3,00%	33	7,710	275,183
708+0,000			33	- 7,599	275,407	109	- 7,890	275,210	-0,57%	107	- 4,500	275,257	-0,57%	275,322	275,283	-0,039	107	4,500	275,148	-3,00%	109	7,890	275,065	-3,00%	33	7,643	275,232
708+9,872			33	- 7,814	275,494	109	- 7,560	275,237	-1,14%	107	- 4,500	275,272	-1,14%	275,392	275,324	-0,068	107	4,500	275,189	-3,00%	109	7,310	275,104	-3,00%	33	7,542	275,341
709+0,000			33	- 10,207	275,620	109	- 9,820	275,237	-1,73%	107	- 6,630	275,296	-1,73%	275,463	275,411	-0,052	107	6,662	275,211	-3,00%	109	10,210	275,123	-3,00%	33	9,829	275,401
709+5,000		PTV	33	- 13,732	275,905	109	- 13,030	275,208	-2,02%	107	- 9,573	275,277	-2,02%	275,729	275,470	-0,259	107	9,629	275,182	-3,00%	109	13,100	275,093	-3,00%	33	13,792	275,789
709+7,243			33	- 15,839	275,832	109	- 15,180	275,174	-2,15%	107	- 11,491	275,253	-2,15%	275,500	275,500	0,000	107	11,563	275,153	-3,00%	109	15,250	275,042	-3,00%	33	15,984	275,779

5.1.6.8. Rua Jupiá

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Rua Jupiá													
			COTAS DE EIXO			LADO DIREITO										
						PLATAFORMA DE TERRAPLENAGEM										
						Bordo da pista			Fim da plataforma				Talude		
ESTACA	Planta	Perfil	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
8+12,345			275,516	275,216	-0,300	107	3,600	275,146	109	6,600	275,146	0,00%	33	6,696	275,244
9+0,000			275,544	275,244	-0,300	107	3,600	275,180	109	7,130	275,180	0,00%	33	7,294	275,341
10+0,000			275,279	275,379	0,100	107	3,600	275,330	109	8,790	275,330	0,00%	33	9,008	275,553
10+12,183			275,770	275,470	-0,300	107	3,600	275,412	109	10,180	275,412	0,00%	33	10,466	275,703
11+0,000		PIV	275,830	275,530	-0,300	107	3,600	275,464	109	10,180	275,464	0,00%	33	10,442	275,732
11+12,183			275,883	275,583	-0,300	107	3,600	275,504	109	9,970	275,504	0,00%	33	10,155	275,692
12+0,000			275,903	275,603	-0,300	107	3,600	275,514	109	11,310	275,514	0,00%	33	11,495	275,702
12+10,122			275,926	275,626	-0,300	107	3,500	275,563	109	14,690	275,252	-2,78%	33	14,687	275,252
13+0,000			275,943	275,685	-0,258	107	3,500	275,610	109	14,720	275,464	-1,30%	33	14,725	275,707
13+1,645			275,918	275,646	-0,272	107	3,500	275,617	109	14,730	275,499	-1,05%	33	14,726	275,728
13+13,223			275,987	275,687	-0,300	107	3,500	275,666	109	14,650	275,154	-4,60%	33	14,645	275,760
14+0,000			276,017	275,717	-0,300	107	3,600	275,698	109	13,040	275,698	0,00%	33	13,134	275,788
14+11,182			276,069	275,769	-0,300	107	3,600	275,741	109	9,950	275,741	0,00%	33	10,145	275,936
15+0,000			276,112	275,812	-0,300	107	3,600	275,779	109	10,180	275,779	0,00%	33	10,475	276,078
15+11,182			276,170	275,870	-0,300	107	3,600	275,836	109	10,180	275,836	0,00%	33	10,499	276,160
16+0,000		PIV	276,219	275,919	-0,300	107	3,600	275,891	109	9,390	275,891	0,00%	33	9,636	276,135
16+4,872	PI		276,245	275,945	-0,300	107	3,600	275,921	109	8,720	275,921	0,00%	33	8,921	276,119
17+0,000			276,369	276,069	-0,300	107	3,600	276,020	109	7,320	276,020	0,00%	33	7,528	276,231
17+3,118			276,394	276,094	-0,300	107	3,600	276,040	109	7,080	276,040	0,00%	33	7,270	276,235
17+11,028			276,455	276,155	-0,300	107	3,600	276,096	109	6,460	276,096	0,00%	33	6,650	276,288

5.1.7.Interseção Est.1300+0,000

5.1.7.1. Ramo 200

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 1325+0,000 - Ramo 200

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM														COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Início do Arrasamento			Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota		P.	Dist.	Cota		P.	Dist.	Cota
201+5,841			33	-	-	109	-	-	-	108	-	-	107	-	-	-	280,871	280,871	0,000	107	3,600	280,753	-3,27%	109	7,880	280,536	-5,00%	33	7,960	280,613
202+0,000			33	-	-	109	-	-	-	108	-	-	107	-	-	-	281,058	280,758	-0,300	107	3,600	280,576	-5,07%	109	7,620	280,353	-5,54%	33	7,807	280,537
202+5,000	EC		33	-	-	109	-	-	-	108	-	-	107	-	-	-	280,713	280,713	0,000	107	3,600	280,508	-5,70%	109	7,870	280,265	-5,70%	33	7,955	280,354
202+7,258			33	-	-	109	-	-	-	108	-	-	107	-	-	-	280,991	280,691	-0,300	107	3,601	280,486	-5,70%	109	7,840	280,244	-5,70%	33	7,940	280,342
202+10,342			33	-	-	109	-	-	-	108	-	-	107	-	-	-	280,959	280,659	-0,300	107	3,600	280,454	-5,70%	109	7,810	280,214	-5,70%	33	7,917	280,325
202+13,852			33	- 1,400	280,961	109	-	-	-	108	-	-	107	- 1,400	280,727	5,70%	280,919	280,647	-0,272	107	3,600	280,442	-5,70%	109	7,920	280,195	-5,70%	33	7,991	280,264
202+15,684	CE		33	- 2,400	280,968	109	-	-	-	108	-	-	107	- 2,400	281,070	5,70%	280,897	280,633	-0,264	107	3,600	280,428	-5,70%	109	8,110	280,171	-5,70%	33	9,035	279,554
203+0,000			33	- 2,400	280,914	109	-	-	-	108	-	-	107	- 2,400	281,027	5,26%	280,838	280,601	-0,237	107	3,600	280,412	-5,26%	109	8,110	280,160	-5,59%	33	8,553	279,861
203+3,994			33	- 4,816	280,923	109	-	-	-	108	-	-	107	- 2,400	280,688	4,86%	280,777	280,571	-0,206	107	3,600	280,396	-4,86%	109	8,030	280,153	-5,00%	33	8,066	280,186
204+0,000			33	- 9,245	280,819	109	- 9,250	280,415	3,24%	108	- 2,400	280,530	107	- 1,400	280,497	3,24%	280,247	280,452	0,204	107	3,600	280,335	-3,24%	109	7,600	280,133	-5,00%	33	9,048	281,582
204+2,389			33	- 9,940	280,804	109	- 9,940	208,345	3,00%	108	- 2,401	280,506	107	- 1,400	280,476	3,00%	280,215	280,434	0,219	107	3,600	280,326	-3,00%	109	7,600	280,126	-5,00%	33	9,041	281,567
205+0,000			33	- 15,321	280,679	109	- 15,320	279,833	1,22%	108	- 2,696	280,335	107	- 1,400	280,320	1,22%	280,978	280,302	-0,676	107	3,600	280,259	-1,22%	109	7,600	280,059	-5,00%	33	8,979	281,438
205+0,684			33	- 15,532	280,674	109	- 15,530	279,814	1,15%	108	- 2,697	280,328	107	- 1,400	280,313	1,15%	281,021	280,297	-0,723	107	3,600	280,256	-1,15%	109	7,600	280,056	-5,00%	33	8,976	281,432
205+0,688	EER		33	- 15,532	280,674	109	- 15,530	279,814	1,15%	108	- 2,697	280,328	107	- 1,400	280,313	1,15%	281,021	280,297	-0,724	107	3,600	280,256	-1,15%	109	7,600	280,056	-5,00%	33	8,976	281,432
205+12,060			33	- 5,033	279,682	109	- 4,240	280,212	0,00%	108	-	-	107	- 1,400	280,212	0,00%	280,916	280,212	-0,704	107	3,600	280,212	0,00%	109	7,600	280,012	-5,00%	33	9,017	281,429
205+16,172			33	- 4,273	280,469	109	- 3,970	280,165	-0,42%	108	-	-	107	- 1,400	280,176	-0,42%	281,001	280,182	-0,819	107	3,600	280,197	0,42%	109	7,600	279,997	-5,00%	33	8,933	281,329
206+0,000			33	- 2,333	280,956	109	-	-	-	108	-	-	107	- 2,333	280,434	-0,80%	281,087	280,153	-0,934	107	3,600	280,182	0,80%	109	7,600	279,982	-5,00%	33	8,992	281,374
206+0,023			33	- 2,399	280,953	109	-	-	-	108	-	-	107	- 2,399	280,434	-0,81%	281,088	280,153	-0,935	107	3,600	280,182	0,81%	109	7,600	279,982	-5,00%	33	8,991	281,373
206+6,178			33	- 10,657	279,658	109	-	-	-	108	-	-	107	- 10,657	279,923	-1,72%	281,225	280,107	-1,118	107	3,600	280,158	1,43%	109	8,790	280,222	1,43%	33	9,922	281,357
206+7,249			33	- 11,977	280,670	109	-	-	-	108	-	-	107	- 11,977	279,881	-1,82%	281,248	280,099	-1,149	107	3,600	280,154	1,54%	109	7,700	280,217	1,54%	33	8,796	281,314
207+0,000			33	- 26,729	280,405	109	- 26,730	279,147	-2,82%	108	- 9,239	279,743	107	- 7,396	279,795	-2,82%	281,348	280,004	-1,345	107	3,600	280,105	2,82%	109	7,720	280,222	2,82%	33	9,047	281,549
207+1,732			33	- 27,141	280,394	109	- 27,140	279,139	-3,00%	108	- 8,880	279,724	107	- 7,039	279,780	-3,00%	281,341	279,991	-1,350	107	3,600	280,099	3,00%	109	7,770	280,224	3,00%	33	9,042	281,493
207+5,688	EC		33	- 28,087	280,368	109	- 28,090	279,115	-3,40%	108	- 8,129	279,685	107	- 6,294	279,747	-3,40%	281,323	279,961	-1,361	107	3,600	280,084	3,40%	109	8,030	280,234	3,40%	33	9,152	281,354
208+0,000			33	- 31,130	280,271	109	- 31,130	279,022	-3,40%	108	- 6,182	279,644	107	- 4,364	279,706	-3,40%	281,106	279,854	-1,252	107	3,600	279,977	3,40%	109	8,960	280,159	3,40%	33	9,754	280,954
208+16,356			33	- 33,919	280,155	109	- 33,920	278,918	-3,40%	108	- 5,411	279,548	107	- 3,600	279,610	-3,40%	280,891	279,732	-1,159	107	3,600	279,855	3,40%	109	10,040	280,074	3,40%	33	10,768	280,803
209+0,000			33	- 34,526	280,132	109	- 34,530	278,892	-3,40%	108	- 5,411	279,521	107	- 3,600	279,583	-3,40%	280,840	279,705	-1,134	107	3,600	279,828	3,40%	109	10,230	279,828	0,00%	33	11,140	280,742
209+0,778			33	- 34,638	280,127	109	- 34,640	278,887	-3,40%	108	- 5,411	279,515	107	- 3,600	279,577	-3,40%	280,893	279,699	-1,194	107	3,600	279,822	3,40%	109	10,280	279,822	0,00%	33	11,182	280,729
209+10,715			33	- 35,950	280,070	109	- 35,950	278,823	-3,40%	108	- 5,411	279,441	107	- 3,600	279,503	-3,40%	280,892	279,625	-1,267	107	3,600	279,748	3,40%	109	10,280	279,748	0,00%	33	11,122	280,594
210+0,000			33	- 36,964	280,024	109	- 36,960	278,763	-3,40%	108	- 5,411	279,372	107	- 3,600	279,433	-3,40%	280,829	279,556	-1,273	107	3,600	279,678	3,40%	109	11,160	279,640	-0,50%	33	11,981	280,467
210+18,429			33	- 38,385	279,923	109	- 38,390	278,645	-3,40%	108	- 5,411	279,234	107	- 3,600	279,296	-3,40%	280,373	279,418	-0,955	107	3,600	279,541	3,40%	109	17,090	279,311	-1,70%	33	17,086	280,081
211+0,000			33	- 38,470	279,912	109	- 38,470	278,635	-3,40%	108	- 5,411	279,223	107	- 3,600	279,284	-3,40%	280,336	279,407	-0,930	107	14,341	280,194	3,40%	109	14,340	279,416	-1,05%	33	14,339	280,081
211+6,187			33	- 38,680	279,861	109	- 38,680	278,602	-3,40%	108	- 5,411	279,176	107	- 3,600	279,238	-3,40%	280,195	279,360	-0,835	107	6,101	279,868	3,40%	109	-	-	-	33	6,101	280,102
211+9,608			33	- 38,983	279,841	109	- 38,980	278,577	-3,40%	108	- 5,411	279,151	107	- 3,600	279,212	-3,40%	280,140	279,335	-0,805	107	3,600	279,457	3,40%	109	7,620	279,312	-3,60%	33	8,355	280,047
211+17,578			33	- 38,968	279,645	109	- 38,970	278,529	-3,40%	108	- 5,411	279,091	107	- 3,600	279,153	-3,40%	279,984	279,275	-0,709	107	3,600	279,398	3,40%	109	7,620	279,253	-3,60%	33	8,281	279,914
212+0,000			33	- 38,991	279,657	109	- 38,990	278,513	-3,40%	108	- 5,411	279,073	107	- 3,600	279,135	-3,40%	279,937	279,257	-0,680	107	3,600	279,380	3,40%	109	7,620	279,235	-3,60%	33	8,251	279,865
212+5,881			33	- 38,993	279,660	109	- 38,990	278,476	-3,40%	108	- 5,411	279,029	107	- 3,600	279,091	-3,40%	279,865	279,213	-0,652	107	6,100	279,421	3,40%	109	-	-	-	33	6,100	279,797
212+9,586			33	- 38,954	279,642	109	- 38,950	278,452	-3,40%	108	- 5,411	279,002	107	- 3,600	279,063	-3,40%	279,823	279,186	-0,638	107	6,099	279,693	3,40%	109	-	-	-	33	6,099	279,740
212+16,676			33	- 38,793	279,608	109	- 38,790	278,407	-3,40%	108	- 5,411	278,949	107	- 3,600	279,010	-3,40%	279,734	279,133	-0,601	107	15,563	279,962	3,40%	109	15,570	279,112	-1,20%	33	15,572	279,502
213+0,000			33	- 38,679	279,592	109	- 38,680	278,385	-3,40%	108	- 5,411	278,924	107	- 3,600	278,986	-3,40%	279,622	279,108	-0,515	107	3,600	279,230	3,40%	109	16,510	279,101	-1,00%	33	16,856	279,444
213+10,000		PIV	33	- 38,183	279,613	109	- 38,180	278,320	-3,40%	108	- 5,411	278,849	107	- 3,600	278,911	-3,40%	279,280	279,033	-0,247	107	3,600	279,156	3,40%	109	12,090	279,088	-0,80%	33	12,257	279,251
214+0,000			33	- 37,459	279,528	109	- 37,460	278,255	-3,40%	108	- 5,411	278,791	107	- 3,600	278,853	-3,40%	278,985	278,975	-0,010	107	3,600	279,097	3,40%	109	10,690	279,062	-0,50%	33	10,986	278,864
214+3,666			33	- 37,136	279,411	109	- 37,140	278,226	-3,40%	108	- 5,411	278,770	107	- 3,600	278,831	-3,40%	278,871	278,954	0,083	107	3,600	279,076	3,40%	109	10,540	279,076	0,00%	33	11,029	278,748
214+18,575			33	- 35,500	279,380	109	- 35,500	278,133	-3,40%	108	- 5,411	278,683	107	- 3,600	278,745	-3,40%	277,839	278,867	1,028	107	3,600	278,989	3,40%	109	10,450	279,222	3,40%	33	12,396	277,924
215+0,000			33	- 35,317	279,372	109	- 35,320	278,124	-3,40%	108	- 5,411	278,675	107	- 3,600	278,736	-3,40%	277,748	278,859	1,111	107	3,600	278,981	3,40%	109	10,360	279,211	3,40%	33	12,513	277,772
216+0,000			33	- 32,224	279,219	109	- 32,220	277,990	-3,40%	108	- 5,411	278,558	107	- 3,600	278,620	-3,40%	276,485	278,742	2,258	107	3,600	278,865	3,40%	109	9,030	279,049	3,40%	33	13,410	276,132
216+6,480			33	- 31,012	279,159	109	- 31,010	277,945	-3,40%	108	- 5,411	278,520	107	- 3,600	278,582	-3,40%	276,034	278,704	2,670	107	3,600	278,827	3,40%	109	8,620	278,997	3,40%	33	13,416	275,799
216+6,638			33	- 30,979	279,157	109	- 30,980	277,944	-3,40%	108	- 5,407	278,520	107	- 3,600	278,581	-3,40%	276,023	278,704	2,681	107	3,600	278,826	3,40%	109	8,800	278,867	3,40%	33	13,416	275,791
216+9,468	CE		33	- 30,417	279,129	109	- 30,420	278,447	-3,40%	108	- 5,440	278,502	107	- 3,629	278,564	-3,40%	275,826	278,687	2,861	107	3,600	278,809	3,40%	109	8,430	278,974	3,40%	33	13,343	275,697
216+13,559			33	- 29,533	279,105	109	- 29,530	277,897	-3,00%	108	- 5,588	278,496	107	- 3,777	278,550	-3,00%	275,675	278,663	2,988	107	3,600	278,771	3,00%	109	8,180	278,909	3,00%	33	13,090	275,636
217+0,000			33	- 28,130	279,076	109	- 28,130	277,850	-2,37%	108	- 6,084	278,482	107	- 4,269	278,525	-2,37%	275,588	278,626	3,038	107	3,600	278,711	2,37%	109	7,790	278,810	2,37%	33	12,693	275,539
217+13,177			33	- 24,901	279,004	109	- 24,900	277,676	-2,00%	108	- 8,187	278,385	107	6,346	278,422	-2,00%	275,470	278,549	3,079	107	3,603	278,588	1,08%	109	6,910	278,624	1,08%	33	11,829	275,346
218+0,000			33	- 23,106	278,970	109	- 23,110	277,514	-2,00%	108	- 11,178	278,286	107	- 9,015	278,329	-2,00%	275,461	278,509	3,049	107	3,600	278,524	0,41%	109	6,930	278,538	0,41%	33	11,867	275,244
218+3,403			33	- 12,073	276,382	109	-	-	-	108	-	-	107	- 12,073	278,252	-1,97%	275,457	278,489	3,032	107	3,600	278,492	0,08%	109	6,940	278,494	0,08%	33	11,887	275,194
218+4,243			33	- 11,385	276,163	109	-	-	-	108	-	-	107	- 11,385	278,279	-1,81%	275,456	278,485	3,029	107	3,600	278,485	0,00%	109	6,940	278,485	0,00%	33	11,892	275,182
218+12,654			33	- 3,400	275,950	109	-	-	-	108	-	-	107	- 3,398	278,464	0,82%	275,611	278,436	2,825	107	3,598	278,406	-0,82%	109	6,960	278,378	-0,82%	33	11,827	275,134
218+14,468			33	- 3,400	275,930	109	-	-	-	108	-	-	107	- 3,400	278,759	1,00%	275,590	278,425	2,835	107	3,600	278,389	-1,00%	109	6,970	278,355	-1,00%	33	11,810	275,126
218+14,475	EER		33	- 3,400	275,930	109	-	-	-	108	-	-	107	- 3,400	278,759	1,00%	275,590	278,425	2,835	107	3,600	278,389	-1,00%	109	6,970	278,355	-1,00%	33	11,810	275,126
218+15,651			33	- 5,100	276,086	109	-	-	-	108	-	-	107	- 3,600	278,458	1,12%	275,577	278,418	2,842	107	3,600	278,378	-1,12%	109	6,970	278,340	-1,12%	33	11,799	275,121
219+0,000			33	- 17,585	278,843	109	- 17,590	277,202	1,54%	108	- 3,695	278,450	107	- 2,399	278,430	1,54%	275,445	278,393	2,948	107	3,600	278,337	-1,54%	109	6,980	278,285	-1,54%	33	11,757	275,102
219+14,927			33	- 13,497	278,746	109	- 13,500	278,250	3,00%	108	- 3,691	278,417	107	- 2,400	278,378	3,00%	275,569	278,306	2,737	107	3,600	278,198	-3,00%	109	7,020	278,095	-3,00%	33	11,517	275,100
220+0,000			33	- 12,199	278,704	109	- 12,200	278,278	3,50%	108	- 3,690	278,405	107	- 2,400	278,360	3,50%	275,663	278,276	2,613	107	3,600	278,151	-3,50%	109	7,040	278,030	-3,50%	33	11,460	275,083
220+19,475	EC		33	- 11,210	278,603	109	- 8,070	278,118	5,40%	108	- 3,685	278,362	107	- 2,400	278,293	5,40%	277,210	278,163	0,953	107	3,600	277,969	-5,40%	109	7,100	277,780	-5,40%	33	10,912	275,238
221+0,000			33	- 12,694	278,558	109	- 7,990	278,121	5,40%	108	- 3,685	278,359	107	- 2,400	278,290	5,40%	277,237	278,160	0,923	107	3,600	277,966	-5,40%	109	7,100	277,777	-5,40%	33	10,900	275,243
221+7,240			33	- 10,625	278,529	109	- 6,930	278,159	5,40%	108	- 3,723	278,319	107	- 2,438	278,250	5,40%	277,621	278,118	0,497	107	3,600	277,923	-5,40%	109	7,100	277,734	-5,40%	33	10,705	275,331

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 1325+0,000 - Ramo 200

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM														COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Início do Arrasamento			Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
221+15,006	CE		33	-5,189	278,444	109	-5,090	278,348	5,40%	108	-	-	107	-2,615	278,214	5,40%	277,896	278,073	0,177	107	3,600	277,878	-5,40%	109	7,100	277,689	-5,40%	33	10,519	275,409
222+0,000			33	-3,739	278,380	109	7,080	277,704	4,80%	108	-	-	107	-2,739	278,175	4,80%	278,015	278,044	0,028	107	3,600	277,871	-4,80%	109	7,100	277,693	-4,80%	33	10,516	275,413
222+15,006			33	-4,041	278,302	109	-4,040	278,077	3,00%	108	-	-	107	-3,040	278,047	3,00%	278,109	277,956	-0,153	107	3,600	277,848	-3,00%	109	7,020	277,745	-3,00%	33	10,457	275,457
223+0,000			33	-4,146	278,272	109	-4,150	278,051	3,00%	108	-	-	107	-3,146	278,021	3,00%	278,189	277,927	-0,262	107	3,600	277,819	-3,00%	109	7,020	277,716	-3,00%	33	10,366	275,488
223+3,339			33	-4,227	278,252	109	-4,230	278,034	3,00%	108	-	-	107	-3,227	278,004	3,00%	278,227	277,908	-0,320	107	3,600	277,800	-3,00%	109	7,020	277,697	-3,00%	33	10,306	275,509
224+0,000			33	-5,100	278,195	109	-5,100	277,964	3,00%	108	-	-	107	-3,600	277,919	3,00%	278,021	277,811	-0,211	107	3,600	277,703	-3,00%	109	7,020	277,600	-3,00%	33	7,846	277,052
224+0,006	ET		33	-4,600	278,178	109	-4,600	277,949	3,00%	108	-	-	107	-3,600	277,919	3,00%	278,021	277,811	-0,211	107	3,600	278,003	-3,00%	109	7,020	277,600	-3,00%	33	7,843	277,054
224+10,000			33	-4,600	278,116	109	-4,600	277,890	3,00%	108	-	-	107	-3,600	277,860	3,00%	277,936	277,752	-0,183	107	3,600	277,644	-3,00%	109	6,510	277,557	-3,00%	33	6,704	277,755
225+0,000		PIV	33	-4,600	278,039	109	-4,600	277,817	3,00%	108	-	-	107	-3,600	277,787	3,00%	277,876	277,679	-0,197	107	3,600	277,571	-3,00%	109	7,020	277,468	-3,00%	33	9,689	275,692
225+5,006			33	-4,600	277,997	109	-4,600	277,780	3,00%	108	-	-	107	-3,600	277,750	3,00%	277,831	277,642	-0,189	107	3,600	277,534	-3,00%	109	7,020	277,431	-3,00%	33	9,648	275,682
225+9,442	PF	PFV	33	-4,600	277,963	109	-4,600	277,747	3,00%	108	-	-	107	-3,600	277,717	3,00%	277,829	277,609	-0,219	107	3,600	277,501	-3,00%	109	7,020	277,398	-3,00%	33	9,612	275,673

5.1.7.2. Ramo 300

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS — Dispositivo Est. 1325+0,000 - Ramo 300

ESTACA	Elementos do Projeto		LADO ESQUERDO – PLATAFORMA DE TERRAPLENAGEM														COTAS DE EIXO			LADO DIREITO – PLATAFORMA DE TERRAPLENAGEM										
			Talude			Fim da plataforma				Início do alargamento de corte			Bordo da pista							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
303+4,317			33	-	-	109	-	-	-	108	-	-	107	-	-	-	278,314	278,014	-0,300	107	3,600	277,906	-3,00%	109	6,520	277,819	-3,00%	33	8,236	276,677
303+8,128			33	-	-	109	-	-	-	108	-	-	107	-	-	-	278,339	278,039	-0,300	107	3,600	277,931	-3,00%	109	6,520	277,844	-3,00%	33	8,259	276,687
303+14,154			33	-	-	109	-	-	-	108	-	-	107	-	-	-	278,378	278,078	-0,300	107	3,600	277,951	-3,51%	109	6,540	277,849	-3,51%	33	8,275	276,691
303+17,602	EC		33	-	-	109	-	-	-	108	-	-	107	-	-	-	278,399	278,099	-0,300	107	3,600	277,962	-3,80%	109	6,550	277,850	-3,80%	33	8,310	276,675
304+0,000			33	-	-	109	-	-	-	108	-	-	107	-	-	-	278,413	278,113	-0,300	107	3,600	277,976	-3,80%	109	6,550	277,864	-3,80%	33	8,370	276,650
304+7,436			33	-	-	109	-	-	-	108	-	-	107	-	-	-	275,456	278,156	2,700	107	3,600	278,019	-3,80%	109	6,550	277,907	-3,80%	33	8,778	276,421
304+9,434			33	-	-	109	-	-	-	108	-	-	107	-	-	-	37,267	36,967	-0,300	107	3,600	36,830	-3,80%	109	6,550	36,718	-3,80%	33	8,878	35,165
304+17,269	CE		33	-	-	109	-	-	-	108	-	-	107	-	-	-	278,497	278,197	-0,300	107	3,600	278,060	-3,80%	109	6,550	277,948	-3,80%	33	9,055	276,277
305+0,000			33	-	-	109	-	-	-	108	-	-	107	-	-	-	278,505	278,205	-0,300	107	3,600	278,076	-3,59%	109	6,540	27,970	-3,59%	33	9,139	276,239
305+3,645			33	- 10,020	278,654	109	- 10,020	278,316	3,31%	108	- 3,690	278,364	107	- 2,399	278,321	3,31%	278,514	278,242	-0,272	107	3,601	278,123	-3,31%	109	6,530	278,025	-3,31%	33	9,351	276,147
305+7,704			33	- 10,745	278,681	109	- 10,750	278,293	3,00%	108	- 3,690	278,376	107	- 2,400	278,337	3,00%	278,515	278,265	-0,250	107	3,600	278,157	-3,00%	109	6,520	278,070	-3,00%	33	9,563	276,044
306+0,000			33	- 13,150	278,782	109	- 13,150	278,224	2,06%	108	- 3,694	278,413	107	- 2,400	278,386	2,06%	277,790	278,337	0,547	107	3,600	278,262	-2,06%	109	6,500	278,203	-2,06%	33	10,195	275,737
306+16,894			33	- 5,042	278,591	109	- 4,920	278,472	0,76%	108	-	-	107	- 2,400	278,453	0,76%	276,596	278,435	1,839	107	3,600	278,407	-0,76%	109	6,460	278,385	-0,76%	33	10,553	275,656
307+0,000			33	- 3,400	277,483	109	-	-	-	108	-	-	107	- 3,400	278,770	0,52%	276,488	278,453	1,965	107	3,600	278,434	-0,52%	109	6,450	278,419	-0,52%	33	10,622	275,639
307+0,545			33	- 3,400	277,422	109	-	-	-	108	-	-	107	- 3,400	278,472	0,48%	278,456	278,456	0,000	107	3,600	278,438	-0,48%	109	6,450	278,425	-0,48%	33	10,634	275,636
307+2,269			33	- 5,902	278,557	109	-	-	-	108	-	-	107	- 5,902	278,458	-0,14%	276,409	278,466	2,057	107	3,600	278,453	-0,35%	109	6,450	278,443	-0,35%	33	10,672	275,627
307+2,271	EER		33	- 5,904	278,558	109	-	-	-	108	-	-	107	- 5,904	278,457	-0,14%	276,409	278,466	2,057	107	3,600	278,453	-0,35%	109	6,450	278,443	-0,35%	33	10,672	275,627
307+6,835			33	- 11,198	278,853	109	-	-	-	108	-	-	107	- 11,197	278,283	-1,87%	276,334	278,492	2,159	107	3,600	278,492	0,00%	109	6,440	278,492	0,00%	33	10,788	275,592
307+8,061			33	- 12,614	278,893	109	-	-	-	108	-	-	107	- 12,614	278,236	-2,09%	276,337	278,499	2,163	107	3,600	278,503	0,09%	109	6,440	278,505	0,09%	33	10,823	275,579
308+0,000			33	- 21,738	279,018	109	- 21,740	277,755	-1,01%	108	- 9,615	278,472	107	- 7,768	278,490	-1,01%	276,369	278,569	2,200	107	3,600	278,605	1,01%	109	6,410	278,633	1,01%	33	10,498	275,908
309+0,000			33	- 25,567	279,118	109	- 25,570	277,912	-2,54%	108	- 6,212	278,527	107	- 4,396	278,573	-2,54%	276,757	278,685	1,928	107	3,600	278,776	2,54%	109	6,370	278,847	2,54%	33	9,810	276,553
309+5,966			33	- 26,563	279,177	109	- 26,560	277,954	-3,00%	108	- 5,729	278,547	107	- 3,917	278,602	-3,00%	276,908	278,719	1,811	107	3,600	278,827	3,00%	109	6,360	278,910	3,00%	33	9,333	276,927
309+7,271	EC		33	- 26,770	279,189	109	- 26,770	277,964	-3,10%	108	- 5,654	278,551	107	- 3,842	278,608	-3,10%	277,058	278,727	1,668	107	3,600	278,838	3,10%	109	6,360	278,924	3,10%	33	9,208	277,022
309+16,251			33	- 28,090	279,271	109	- 28,090	278,026	-3,10%	108	- 5,410	278,611	107	- 3,600	278,667	-3,10%	277,852	278,779	0,927	107	3,600	278,890	3,10%	109	6,360	278,876	3,10%	33	8,297	277,682
310+0,000			33	- 28,589	279,306	109	- 28,590	278,051	-3,10%	108	- 5,410	278,633	107	- 3,600	278,689	-3,10%	278,136	278,801	0,665	107	3,600	278,912	3,10%	109	6,360	278,998	3,10%	33	7,917	277,957
311+0,000		PIV	33	- 30,741	279,429	109	- 30,740	278,187	-3,10%	108	- 5,410	278,749	107	- 3,600	278,805	-3,10%	279,263	278,917	-0,346	107	3,600	279,028	3,10%	109	6,230	279,110	3,10%	33	6,661	279,545
312+0,000			33	- 32,051	279,547	109	- 32,050	278,321	-3,10%	108	- 5,409	278,890	107	- 3,600	278,946	-3,10%	280,028	279,058	-0,970	107	3,600	279,169	3,10%	109	6,230	279,251	3,10%	33	7,176	280,201
313+0,000			33	- 32,530	279,692	109	- 32,530	278,453	-3,10%	108	- 5,409	279,031	107	- 3,600	279,087	-3,10%	280,707	279,199	-1,508	107	3,600	279,311	3,10%	109	6,230	279,392	3,10%	33	7,575	280,741
313+3,942			33	- 32,527	279,720	109	- 32,530	278,479	-3,10%	108	- 5,409	279,059	107	- 3,600	279,115	-3,10%	280,824	279,227	-1,597	107	3,600	279,339	3,10%	109	6,230	279,420	3,10%	33	7,658	280,853
314+0,000			33	- 32,184	279,843	109	- 32,180	278,585	-3,10%	108	- 5,409	279,173	107	- 3,600	279,229	-3,10%	281,084	279,340	-1,744	107	3,600	279,452	3,10%	109	6,230	279,533	3,10%	33	7,762	281,070
315+0,000			33	- 31,009	279,976	109	- 31,010	278,717	-3,10%	108	- 5,409	279,314	107	- 3,600	279,370	-3,10%	281,291	279,482	-1,809	107	3,600	279,593	3,10%	109	6,230	279,675	3,10%	33	7,585	281,034
316+0,000			33	- 28,994	280,088	109	- 28,990	278,849	-3,10%	108	- 5,409	279,455	107	- 3,600	279,511	-3,10%	281,321	279,623	-1,698	107	3,600	279,734	3,10%	109	6,230	279,816	3,10%	33	7,450	281,040
317+0,000			33	- 26,118	280,221	109	- 26,120	278,982	-3,10%	108	- 5,409	279,596	107	- 3,600	279,653	-3,10%	281,608	279,764	-1,844	107	3,600	279,876	3,10%	109	6,230	279,957	3,10%	33	7,396	281,127
317+0,613	CE		33	- 26,016	270,226	109	- 26,020	278,985	-3,10%	108	- 5,409	279,601	107	- 3,600	279,657	-3,10%	281,617	279,768	-1,849	107	3,600	279,880	3,10%	109	6,230	279,961	3,10%	33	7,406	281,141
317+1,829			33	- 25,811	280,234	109	- 25,810	278,994	-3,00%	108	- 5,409	279,615	107	- 3,600	279,669	-3,00%	281,635	279,777	-1,858	107	3,600	279,885	3,00%	109	6,220	279,964	3,00%	33	7,429	281,169
317+6,523			33	- 24,987	280,268	109	- 24,990	279,025	-2,61%	108	- 5,408	279,669	107	- 3,600	279,716	-2,61%	281,706	279,810	-1,896	107	3,600	279,904	2,61%	109	6,220	279,973	2,61%	33	7,522	281,278
318+0,000			33	- 22,368	280,363	109	- 22,370	279,113	-1,51%	108	- 6,159	279,813	107	- 4,345	279,840	-1,51%	281,528	279,905	-1,623	107	3,600	279,960	1,51%	109	6,200	279,999	1,51%	33	7,807	281,606
318+18,318			33	- 12,778	280,389	109	- 12,420	280,035	0,00%	108	-	-	107	- 8,977	280,035	0,00%	280,207	280,035	-0,173	107	3,600	280,035	0,00%	109	6,180	280,035	0,00%	33	7,246	281,105
319+0,000			33	- 14,417	280,453	109	- 14,010	280,047	0,00%	108	-	-	107	- 10,311	280,061	0,00%	280,063	280,047	-0,016	107	3,600	280,042	-0,14%	109	6,170	280,038	-0,14%	33	7,089	280,954
319+1,699			33	- 12,104	280,408	109	-	-	-	108	-	-	107	- 12,104	279,885	-1,44%	279,960	280,059	0,099	107	3,600	280,049	-0,28%	109	6,170	280,041	-0,28%	33	6,940	280,811
319+5,613			33	- 8,953	280,357	109	-	-	-	108	-	-	107	- 8,953	280,035	-0,57%	279,952	280,086	0,134	107	3,600	280,065	-0,60%	109	6,170	280,049	-0,60%	33	6,140	280,323
319+5,619	EER		33	- 8,947	280,357	109	-	-	-	108	-	-	107	- 8,947	280,035	-0,57%	279,951	280,086	0,135	107	3,600	280,065	-0,60%	109	6,170	280,049	-0,60%	33	6,139	280,322
319+11,134			33	- 3,399	279,965	109	-	-	-	108	-	-	107	- 3,399	280,161	1,05%	279,980	280,125	0,145	107	3,600	280,087	-1,05%	109	6,470	280,057	-1,05%	33	6,508	280,030
319+13,845			33	- 5,100	280,171	109	- 5,100	280,210	1,28%	108	-	-	107	- 3,600	280,190	1,28%	279,825	280,144	0,319	107	3,600	280,098	-1,28%	109	6,470	280,062	-1,28%	33	6,633	279,956
320+0,000			33	- 13,422	280,635	109	- 13,420	279,679	1,78%	108	- 3,694	280,254	107	- 2,399	280,231	1,78%	279,838	280,188	0,350	107	3,600	280,124	-1,78%	109	6,490	280,072	-1,78%	33	6,647	279,966
320+14,807			33	- 10,249	280,742	109	- 10,250	280,110	3,00%	108	- 3,691	280,403	107	- 2,399	280,364	3,00%	280,311	280,293	-0,019	107	3,600	280,185	-3,00%	109	6,370	280,101	-3,00%	33	6,431	280,159
321+0,000			33	- 9,238	280,778	109	- 9,240	280,264	3,43%	108	- 3,689	280,456	107	- 2,400	280,411	3,43%	280,478	280,329	-0,149	107	3,600	280,206	-3,43%	109	6,390	280,110	-3,43%	33	6,448	280,165
321+10,619	EC		33	- 7,406	280,844	109	- 7,410	280,314	4,30%	108	- 3,687	280,563	107	- 2,400	280,507	4,30%	280,669	280,404	-0,265	107	3,600	280,249	-4,30%	109	6,570	280,122	-4,30%	33	6,585	280,108
322+0,000			33	- 6,104	280,909	109	- 6,100	280,579	4,30%	108	- 3,687	280,629	107	- 2,400	280,574	4,30%	280,752	280,470	-0,282	107	3,600	280,316	-4,30%	109	6,560	280,188	-4,30%	33	6,763	280,056
322+0,510			33	- 6,042	280,913	109	- 6,040	280,594	4,30%	108	- 3,687	280,633	107	- 2,400	280,577	4,30%	280,757	280,474	-0,283	107	3,600	280,319	-4,30%	109	6,560	280,192	-4,30%	33	6,751	280,067
322+2,442			33	- 4,424	280,900	109	- 4,420	280,678	4,30%	108	-	-	107	- 2,400	280,591	4,30%	280,774	280,488	-0,287	107	3,600	280,333	-4,30%	109	6,560	280,205	-4,30%	33	6,702	280,114
322+10,400	CE		33	- 3,400	280,947	109	-	-	-	108	-	-	107	- 3,400	280,990	4,30%	280,841	280,544	-0,297	107	3,600	280,389	-4,30%	109	6,500	280,264	-4,30%	33	6,526	280,287
322+12,624			33	- 3,399	280,969	109	-	-	-	108	-	-	107	- 3,399	280,999	4,09%	280,858	280,560	-0,299	107	3,600	280,412	-4,09%	109	6,470	280,295	-4,09%	33	6,501	280,329
323+0,000			33	-	-	109	-	-	-	108	-	-	107	-	-	-	280,913	280,613	-0,300	107	3,600	280,492	-3,38%	109	6,390	280,397	-3,38%	33	6,446	280,452
323+4,005			33	-	-	109	-	-	-	108	-	-	107	-	-	-	280,944	280,644	-0,300	107	3,600	280,536	-3,00%	109	6,370	280,453	-3,00%	33	6,431	280,511
323+17,801			33	-	-	109	-	-	-	108	-	-	107	-	-	-	281,043	280,743	-0,300	107	3,600	280,635	-3,00%	109	6,520	280,548	-3,00%	33	6,609	280,491

5.1.7.3. Ramo 400

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 1325+0,000 - Ramo 400																							
ESTACA			LADO ESQUERDO										COTAS DE EIXO			LADO DIREITO										
			PLATAFORMA DE TERRAPLENAGEM													PLATAFORMA DE TERRAPLENAGEM										
			Talude			Inicio do Arrasamento			Fim da plataforma							Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
401+17,017			33	- 10,946	280,470	108	- 1,810	279,830	109	- 10,950	279,232	-3,00%	280,408	279,884	-0,524	107	10,000	280,184	3,00%	109	11,000	280,214	3,00%	33	11,000	280,100
401+18,535			33	- 9,690	280,480	108	- 1,810	279,833	109	- 9,690	279,242	-2,96%	280,452	279,886	-0,566	107	10,000	280,182	2,96%	109	11,000	280,211	2,96%	33	11,000	280,380
402+0,000			33	- 7,603	280,492	108	- 1,810	279,835	109	- 7,600	279,257	-2,91%	280,493	279,888	-0,606	107	10,000	280,179	2,91%	109	11,000	280,208	2,91%	33	11,000	280,458
402+3,688			33	- 1,500	280,476	108	-	-	109	- 1,500	279,847	-2,81%	280,489	279,889	-0,600	107	10,000	280,170	2,81%	109	11,000	280,198	2,81%	33	11,000	280,577
402+4,553			33	- 1,500	280,447	108	-	-	109	- 1,500	279,848	-2,78%	280,457	279,889	-0,568	107	10,000	280,167	2,78%	109	11,000	280,195	2,78%	33	11,000	280,527
402+5,000			33	- 1,500	280,432	108	-	-	109	- 1,500	279,848	-2,77%	280,440	279,889	-0,551	107	10,000	280,166	2,77%	109	11,000	280,194	2,77%	33	11,000	280,500
402+11,961			33	- 18,318	280,391	108	- 1,808	279,838	109	- 18,320	279,185	-2,56%	280,683	279,885	-0,799	107	10,000	280,141	2,56%	109	11,000	280,167	2,56%	33	11,000	280,056
402+14,131			33	- 17,853	280,394	108	- 1,808	279,836	109	- 17,850	279,189	-2,50%	280,670	279,881	-0,788	107	10,000	280,131	2,50%	109	11,000	280,156	2,50%	33	11,000	280,907

5.1.7.4. Ramo 500

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 1325+0,000 - Ramo 500																								
ESTACA			LADO ESQUERDO											COTAS DE EIXO			LADO DIREITO										
			PLATAFORMA DE TERRAPLENAGEM														PLATAFORMA DE TERRAPLENAGEM										
			Talude			Inicio arrasamento			Fim da plataforma				Terreno Natural	Terraplenagem	Cota vermelha	Bordo da pista				Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.				P.	Dist.	Cota	Cota	P.	Dist.	Cota	Cota	P.	Dist.	Cota
501+18,423			33	- 22,334	279,038	108	- 1,808	278,207	109	- 22,330	277,827	-2,50%	276,387	278,252	1,865	107	10,000	278,502	2,50%	109	11,000	278,527	2,50%	33	11,000	276,123
502+0,000			33	- 24,154	279,047	108	- 1,808	278,200	109	- 24,150	277,840	-2,50%	276,988	278,245	1,257	107	10,000	278,495	2,50%	109	11,000	278,520	2,50%	33	11,000	276,317
502+5,108			33	- 1,500	278,844	108	-	-	109	- 1,500	278,193	-2,50%	278,836	278,231	-0,605	107	10,000	278,481	2,50%	109	11,000	278,506	2,50%	33	11,000	278,771
502+9,104			33	- 1,500	278,941	108	-	-	109	- 1,500	278,190	-2,50%	278,939	278,227	-0,712	107	10,000	278,477	2,50%	109	11,000	278,543	2,50%	33	11,000	278,903
502+10,000			33	- 1,500	278,958	108	-	-	109	- 1,500	278,190	-2,50%	278,958	278,227	-0,731	107	10,000	278,477	2,50%	109	11,000	278,502	2,50%	33	11,000	278,865
502+13,400			33	- 8,369	278,991	108	- 1,808	278,186	109	- 8,370	277,749	-2,50%	278,936	278,231	-0,705	107	10,000	278,481	2,50%	109	12,410	278,545	2,50%	33	12,561	278,690
502+15,512			33	- 9,771	278,998	108	- 1,808	278,191	109	- 9,770	277,750	-2,50%	278,893	278,236	-0,657	107	10,000	278,486	2,50%	109	11,000	278,511	2,50%	33	11,000	277,852

5.1.7.5. Ramo 600

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 1325+0,000 - Ramo 600																				
ESTACA			LADO ESQUERDO											COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM														PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
601+10,371			33	- 11,000	280,078	109	- 11,000	279,671	3,00%	107	- 10,000	279,641	3,00%	280,092	279,341	-0,751	109	2,730	279,260	-3,00%	33	3,603	280,133
601+12,818			33	- 11,000	280,028	109	- 11,000	279,626	3,00%	107	- 10,000	279,596	3,00%	280,014	279,296	-0,719	109	2,730	279,214	-2,97%	33	3,576	280,061
601+13,599			33	- 12,976	280,023	109	- 12,500	279,543	3,09%	107	- 10,000	279,466	3,09%	279,992	279,281	-0,711	109	2,900	279,066	-3,09%	33	3,883	280,043
602+0,000			33	- 12,878	279,877	109	- 12,500	279,498	3,28%	107	- 9,955	279,371	3,28%	279,850	279,169	-0,681	109	2,900	278,949	-3,28%	33	3,854	279,899
602+3,376			33	- 12,732	279,798	109	- 12,340	279,406	3,38%	107	- 9,839	279,321	3,38%	279,883	279,114	-0,769	109	2,900	278,892	-3,38%	33	3,944	279,932
602+5,000			33	- 10,759	279,777	109	- 10,760	279,457	3,43%	107	- 9,759	279,423	3,43%	279,848	279,088	-0,760	109	3,020	278,986	-3,43%	33	3,933	279,895
602+5,103	PCC		33	- 10,753	279,774	109	- 10,750	279,455	3,43%	107	- 9,753	279,421	3,43%	279,845	279,087	-0,758	109	3,020	278,983	-3,43%	33	3,932	279,893
602+7,467			33	- 10,580	279,708	109	- 10,580	279,421	3,50%	107	- 9,580	279,386	3,50%	279,770	279,050	-0,720	109	3,020	278,944	-3,50%	33	3,906	279,829
602+12,294			33	- 10,327	279,531	109	-	-	-	107	- 10,327	279,294	3,04%	279,620	278,980	-0,640	109	3,020	278,878	-3,37%	33	3,813	279,668
602+15,542			33	- 9,556	279,420	109	-	-	-	107	- 9,556	279,233	3,10%	279,521	278,936	-0,585	109	3,020	278,837	-3,28%	33	3,751	279,564
603+0,000		PTV	33	- 8,847	279,274	109	-	-	-	107	- 8,847	279,159	3,16%	279,388	278,879	-0,509	109	3,030	278,783	-3,16%	33	3,678	279,435
603+5,982			33	- 8,505	279,103	109	-	-	-	107	- 8,505	279,061	3,00%	279,226	278,806	-0,420	109	3,030	278,715	-3,00%	33	3,586	279,272

5.1.7.6. Ramo 700

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 1325+0,000 - Ramo 700																				
			LADO ESQUERDO											COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM														PLATAFORMA DE TERRAPLENAGEM						
			Talude			Fim da plataforma				Bordo da pista							Fim da plataforma				Talude		
ESTACA	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
700+0,000	PP	PPV	33	- 8,505	279,103	109	-	-	-	107	- 8,505	279,061	3,00%	279,041	278,806	-0,235	109	3,030	278,715	-3,00%	33	3,329	279,015
700+3,220	PC		33	- 8,505	279,189	109	-	-	-	107	- 8,505	279,108	3,08%	279,125	278,845	-0,280	109	3,030	278,752	-3,08%	33	3,377	279,102
700+5,000		PCV	33	- 8,535	279,229	109	-	-	-	107	- 8,535	279,134	3,13%	279,159	278,867	-0,292	109	3,030	278,772	-3,13%	33	3,396	279,141
700+12,635			33	- 9,357	279,478	109	-	-	-	107	- 9,357	279,264	3,33%	279,294	278,952	-0,342	109	3,020	278,851	-3,33%	33	3,423	279,250
700+14,206			33	- 9,670	279,534	109	-	-	-	107	- 9,670	279,294	3,37%	279,326	278,967	-0,359	109	3,020	278,866	-3,37%	33	3,429	279,271
700+19,040			33	- 10,183	279,679	109	- 10,180	279,367	3,48%	107	- 9,183	279,332	3,50%	279,382	279,010	-0,372	109	3,020	278,905	-3,50%	33	3,429	279,311
701+0,000			33	- 10,294	279,698	109	- 10,290	279,376	3,47%	107	- 9,294	279,341	3,47%	279,390	279,018	-0,372	109	3,020	278,913	-3,47%	33	3,428	279,319
701+2,051	PCC		33	- 10,474	279,738	109	- 10,470	279,392	3,37%	107	- 9,474	279,358	3,42%	279,470	279,034	-0,437	109	3,020	278,931	-3,42%	33	3,462	279,369
701+3,235			33	- 10,564	279,755	109	- 10,560	276,262	3,40%	107	- 9,564	279,241	-3,38%	278,477	279,042	0,565	109	3,020	278,940	-3,38%	33	3,459	279,375
701+13,168			33	- 12,887	279,763	109	- 12,490	279,361	3,10%	107	- 9,988	278,283	-3,11%	279,491	279,098	-0,393	109	2,910	278,882	-3,11%	33	3,440	279,416
701+14,499			33	- 11,000	279,724	109	- 11,000	279,441	3,10%	107	- 10,000	279,410	3,07%	279,497	279,103	-0,394	109	3,030	279,010	-3,07%	33	3,441	279,422
701+15,000			33	- 11,000	279,724	109	- 11,000	279,444	3,00%	107	- 10,000	279,413	3,06%	279,498	279,105	-0,393	109	3,030	279,012	-3,04%	33	3,441	279,425
701+17,178			33	- 11,000	279,721	109	- 11,000	279,442	2,98%	107	- 11,000	279,412	3,00%	279,502	279,112	-0,390	109	3,030	279,021	-3,00%	33	3,441	279,432

5.1.7.7. Ramo 800

NOTA DE SERVIÇO DE TERRAPLENAGEM

DISTÂNCIAS DE OFF-SETS DA PLATAFORMA DE TERRAPLENAGEM APRESENTADAS EM FUNÇÃO DO EIXO DE PROJETO

Rodovia: BR-158/262-MS	Elementos do Projeto		Dispositivo Est. 1325+0,000 - Ramo 800																	
ESTACA			LADO ESQUERDO							COTAS DE EIXO			LADO DIREITO						
			PLATAFORMA DE TERRAPLENAGEM										PLATAFORMA DE TERRAPLENAGEM						
			Talude			Bordo da pista							Fim da plataforma				Talude		
	Planta	Perfil	P.	Dist.	Cota	P.	Dist.	Cota	Decliv.	Terreno Natural	Terraplenagem	Cota vermelha	P.	Dist.	Cota	Cota	P.	Dist.	Cota
800+0,000	PP	PPV	33	- 8,200	277,954	107	- 8,200	277,654	2,03%	276,416	277,488	1,072	109	3,420	277,385	-3,00%	33	5,998	275,669
800+2,253	TE		33	- 5,400	277,877	107	- 5,400	277,577	1,66%	276,416	277,488	1,072	109	3,420	277,385	-3,00%	33	5,998	275,669
801+0,000			33	- 5,400	277,798	107	- 5,400	277,497	-2,15%	276,506	277,381	0,875	109	3,000	277,561	-3,00%	33	5,720	275,480
801+4,026			33	- 5,400	277,777	107	- 5,400	277,477	2,22%	276,203	277,357	1,154	109	3,000	277,537	-3,00%	33	8,137	274,113
802+0,000			33	- 3,550	277,654	107	- 3,550	277,354	2,59%	277,321	277,262	-0,059	109	3,000	277,442	-3,00%	33	3,519	277,096
802+7,253	EC		33	- 3,550	277,612	107	- 3,550	277,312	2,64%	277,386	277,219	-0,167	109	3,000	277,399	-3,00%	33	3,682	276,944
803+0,000			33	- 3,520	277,529	107	- 3,520	277,104	3,00%	277,346	277,124	-0,222	109	3,040	276,908	-3,00%	33	3,114	276,978
803+2,899			33	- 3,460	277,512	107	- 3,460	277,087	3,00%	277,328	277,108	-0,220	109	2,820	276,898	-3,00%	33	2,944	277,018
803+11,582			33	- 1,650	277,422	107	- 1,650	276,997	3,00%	277,395	277,072	-0,323	109	2,140	276,883	-3,00%	33	2,417	277,163
804+0,000			33	- 1,570	277,368	107	- 1,570	276,943	3,00%	277,275	277,021	-0,254	109	2,040	276,835	-3,00%	33	2,259	277,052
804+15,911	PT	PFV	33	- 1,380	277,252	107	- 1,380	276,827	3,00%	277,228	276,910	-0,318	109	1,260	276,747	-	33	1,588	277,077

6. Termo de Encerramento

Termo de Encerramento

Este é o Termo de Encerramento do Projeto Básico/Executivo do **Volume 03D - Notas de Serviço, Cálculo de Volumes e Memórias Justificativas - Projeto de Terraplenagem – Tomo I,** Edital de Licitação RDC Eletrônico Nº 458/2020-19 para Execução das Obras de Engenharia para a Construção do Contorno Rodoviário no Município de Três Lagoas/MS, interligando a BR-158/MS e a BR-262/MS, Lote único.

Lote Único

Rodovia: BR – 158/262/MS

Trecho: Entr. BR-158/MS (p/Selvíria) – Div. SP/MS (fim da trav. s/ Rio Paraná)

Subtrecho: Entr. BR-158/MS (p/ Selvíria) (A) – Div. SP/MS (fim da trav. s/ Rio Paraná)

Segmento: Início (Contorno Rodoviário de Três Lagoas) – Entr BR-158 (C) (p/ Brasilândia) - Entr BR-158 (C) (p/ Brasilândia) – Fim (Contorno Rodoviário de Três Lagoas – Início (Contorno Rodoviário de Três Lagoas) – Entr BR-262 (C) - Entr BR-262 (C) - Entr BR-158 (C) (p/ Brasilândia)

Extensão: 26,5 km

Código do SNV: BR-262 262CMS1005-262CMS1010 e BR-158 158CMS1005-158CMS1010

Este relatório é composto de 284 folhas, inclusive esta.

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