

## PROJETO DE TERRAPLENAGEM

ELABORAÇÃO DO PROJETO EXECUTIVO DE ENGENHARIA, PARA IMPLANTAÇÃO DE CICLOVIA NAS RODOVIAS DF-065 (TRECHO: DF-003/ENTRONCAMENTO BR-251/DF-001) E DF-480 (TRECHO: GAMA/ENTRONCAMENTO BR-251/DF-001/DF-065)

OUTUBRO DE 2021



**GOVERNO DO DISTRITO FEDERAL  
SECRETÁRIA DE TRANSPORTE E MOBILIDADE  
DEPARTAMENTO DE ESTRADAS DE RODAGEM DO DISTRITO  
FEDERAL**

ELABORAÇÃO DO PROJETO EXECUTIVO DE ENGENHARIA,  
PARA IMPLANTAÇÃO DE CICLOVIA (TRECHO: DF-  
003/ENTRONCAMENTO BR-251/DF-001) E DF-480 (TRECHO:  
GAMA/ENTROCAMENTO BR-251/DF-001/DF-065)

**Rodovia:** DF-065 e DF-480

**Trecho:** Rodovias DF-065 (trecho: DF-003/Entroncamento BR-  
251/DF-001) e DF-480 (Trecho: Gama/Entroncamento BR-251/DF-  
001/DF-065)

**Código:**

**Extensão:** 9,3 km (DF-065 – 5,3km e DF-480 – 4,0km)

**PRODUTO 06 – PROJETO DE TERRAPLENAGEM**

Outubro de 2021

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## 1. Apresentação

A **A ROSSETTO FILHO**, em cumprimento ao contrato nº 014/2021 DER/DF, processo SEI nº 00113-00017561/2020-31, cujo o objeto de contratação é a ELABORAÇÃO DO PROJETO EXECUTIVO DE ENGENHARIA, PARA IMPLANTAÇÃO DE CICLOVIA NAS RODOVIAS DF-065 (TRECHO: DF-003/ENTRONCAMENTO BR-251/DF-001) E DF-480 (TRECHO: GAMA/ENTROCAMENTO BR-251/DF-001/DF-065), vem apresentar o **PRODUTO 06 – PROJETO DE TERRAPLENAGEM**, em conformidade com o termo de referência (Anexo VII) do edital Convite nº005/2020.

### 1.1. Identificação

Empreendedor	
<b>Razão Social:</b>	Departamento de Estradas de Rodagem do Distrito Federal – DER/DF
<b>CNPJ:</b>	00.070.532/0001-03
<b>Endereço:</b>	SAM Bloco “C”, Edifício Sede do DER/DF, Setor Complementares – Brasília/DF
<b>Telefone:</b>	(61) 3111 5500
<b>Executores do Contrato:</b>	Gisandra Faria de Paula (Titular) Roberto Leda Saldanha (Suplente)

Empresa Responsável pela Elaboração dos Projetos	
<b>Razão Social:</b>	A Rossetto Filho EPP
<b>CNPJ:</b>	29.079.618/0001-70
<b>Endereço:</b>	SIA - QSC, Lote 19, Sala 203 – Brasília DF
<b>Telefone:</b>	(61) 99221 - 4824
<b>Responsáveis Técnicos:</b>	Adelcke Rossetto Filho – CREA 1.726/D-DF Adelcke Rossetto Netto - CAU A36230-1

## **2. Introdução**

De forma genérica, a terraplenagem ou movimento de terras pode ser entendida como o conjunto de operações necessárias para remover a terra dos locais em que se encontra em excesso para aqueles em que há falta, tendo em vista um determinado projeto a ser implantado.

Assim, a construção de uma estrada de rodagem, de uma ferrovia ou de um aeroporto, a edificação de uma fábrica ou de uma usina hidrelétrica, ou mesmo de um conjunto residencial, exigem a execução de serviços de terraplenagem prévios, regularizando o terreno natural, em obediência ao projeto que se deseja implantar.

Pode-se afirmar, portanto, que todas as obras de engenharia civil de grande ou pequeno porte, exigem a realização de trabalhos prévios de movimentação de terras. Por esta razão a terraplenagem teve o enorme desenvolvimento verificado no último século.

Sendo assim, o projeto de Terraplenagem teve como objetivo definir o volume e conjunto de operações necessárias para remover a terra dos locais em que se encontra em excesso para aqueles em que há falta, tendo em vista o que foi determinado no projeto Geométrico.

## **3. Investigações Geotécnicas**

Para a caracterização física do solo da área de projeto, foram realizados 28 (vinte e oito) furos de sondagens a trado, buscando-se a identificação dos horizontes do terreno, além do nível do lençol freático. O planejamento dos furos e a coleta das amostras de solo seguiram o plano de sondagens aprovado pelo DER/DF.

A caracterização tátil visual descritiva constante do Boletim de Sondagem mostra que em sua maioria o material do terreno é composto com uma fina camada vegetal, seguida por uma camada de argila vermelha, sem ocorrência de água.

Ainda conforme observado nos boletins de sondagem, não foi encontrado material impenetrável ao trado até a profundidade de 1,50 metros, não havendo, portanto, indícios de ocorrência de material de 2ª ou 3ª categorias.

Foi encontrado material orgânico apenas na camada superficial do terreno até a profundidade máxima de 0,09m, mas para efeito de projeto, observando que a supressão vegetal será executada por processo mecanizado adotou-se a supressão vegetal da camada orgânica superficial do solo natural a uma profundidade de 20 (vinte) centímetros.



## 4. Seção de Terraplenagem

Tendo em vista os estudos desenvolvidos nas etapas de Projeto de Urbanismo, Acessibilidade, Obras Complementares, Projeto Geométrico e Projeto de Pavimentação, onde foi identificado que além da necessidade de implantação da ciclovia existe a necessidade e demanda de se construir um estacionamento nas proximidades do Terminal do Gama, devido ao tratamento da estrutura de pavimento que diverge em ambas as situações, foi adotado os seguintes critérios de terraplenagem.

### 4.1. Ciclovia

Seção de terraplenagem para a ciclovia levou em consideração a abertura da vala necessária para implantação do pavimento da ciclovia acrescido de uma sobrelargura de 0,50 metros em relação a largura do pavimento final.

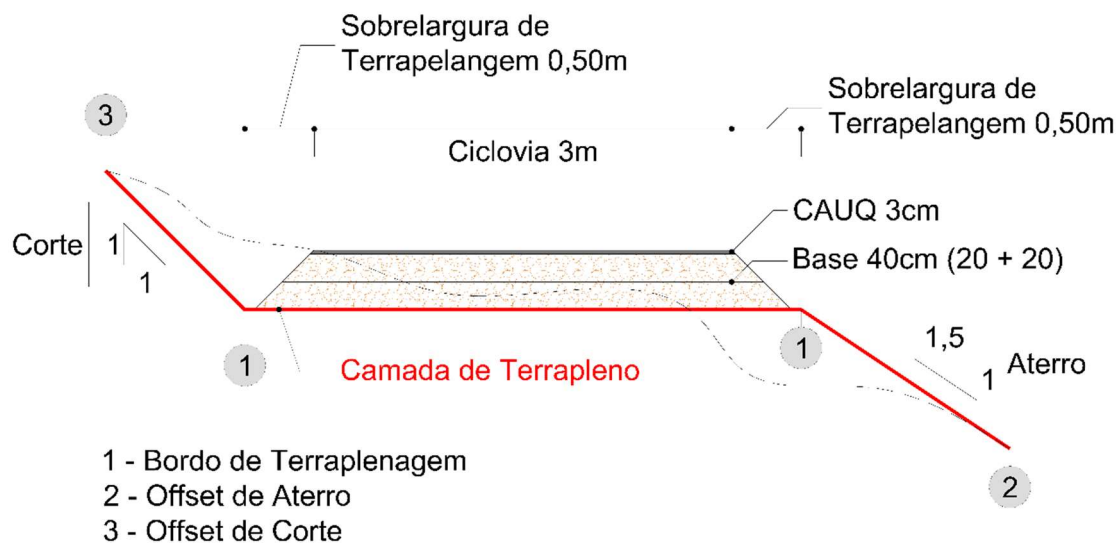


Figura 1 - Seção Tipo de Terraplenagem da Ciclovia.

### 4.2. Estacionamento

Seção de terraplenagem para a pista do estacionamento levou em consideração a abertura da vala necessária para implantação do pavimento acrescido de uma sobrelargura de 1,00 metros em relação a largura do pavimento final.

Essa sobrelargura foi considerado para garantir a execução da camada final de terraplenagem que tem espessura de 60,0 cm, sendo ela executada em 03 camadas de 20,0cm, compactadas na Energia Intermediária, conforme a Especificação DNIT 108/2009-ES;

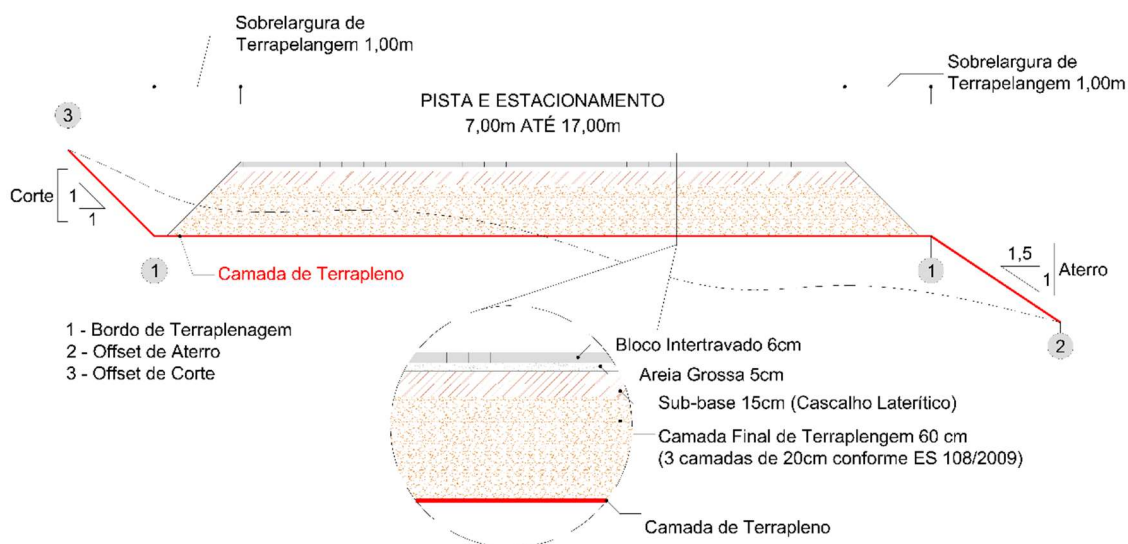


Figura 2 - Seção Tipo de Terraplenagem do Estacionamento.

## 5. Cortes e aterros

Os cortes e aterros são consequência do diferencial entre o perfil do terreno e o greide projetado levantado em consideração a estrutura do pavimento a ser executada. Dessa forma a obra sempre apresentará um determinado volume de solo a ser movimentado. Todo volume excedente, é recomendado, que seja estocado para compensação em áreas de aterro. Além disso, é importante ressaltar que os “offsets” de terraplanagem, devem sempre ser compactados.

RESUMO VOLUME DOS EIXOS				
EIXO:	VOLUME CORTE: (m³)	VOLUME ATERRO: (m³)	ATERRO EMPOLADO: (m³)	VOLUME LÍQUIDO: (m³)
EIXO 01	119.72	203.61	254.52	-134.80
EIXO 02	340.56	685.57	856.96	-516.40
EIXO 03	125.86	252.65	315.82	-189.96
EIXO 04	537.03	802.49	1003.12	-466.09
EIXO 05	1028.28	1892.03	2365.04	-1336.76
EIXO 06	1595.40	3920.83	4901.04	-3305.64
EIXO 07	254.38	350.93	438.67	-184.29
EIXO 08	313.63	436.23	545.29	-231.66
EIXO 09	479.09	1320.71	1650.89	-1171.80



RESUMO VOLUME DOS EIXOS				
EIXO:	VOLUME CORTE: (m³)	VOLUME ATERRO: (m³)	ATERRO EMPOLADO: (m³)	VOLUME LÍQUIDO: (m³)
EIXO 10	142.91	354.26	442.82	-299.91
EIXO 11	1468.68	1338.53	1673.17	-204.49
EIXO 12	552.33	873.42	1091.77	-539.44
EIXO 13	689.85	898.23	1122.79	-432.94
EIXO 14	1489.86	1939.20	2424.00	-934.14
EIXO ESTACIONAMENTO	1848.40	1481.03	1851.28	-522.37
<b>TOTAL</b>	<b>10985.98</b>	<b>16749.73</b>	<b>20937.15</b>	<b>-10470.66</b>

É importante observar que o valor de volume reutilizável (Volume Líquido) já descarta o volume da camada vegetal.

## 6. Taludes (Offsets)

As inclinações dos taludes adotadas para os segmentos em corte foi de 1V:1H, ao passo que para os segmentos em aterro a inclinação da saia dos mesmos será de 1V:1,5H.

## 7. Determinação dos volumes de terraplenagem

Os procedimentos para cálculo dos volumes consistem em determinar o volume do prisma por duas seções transversais consecutivas (seções de início e fim do trecho) multiplicado pelo espaçamento entre as duas seções.

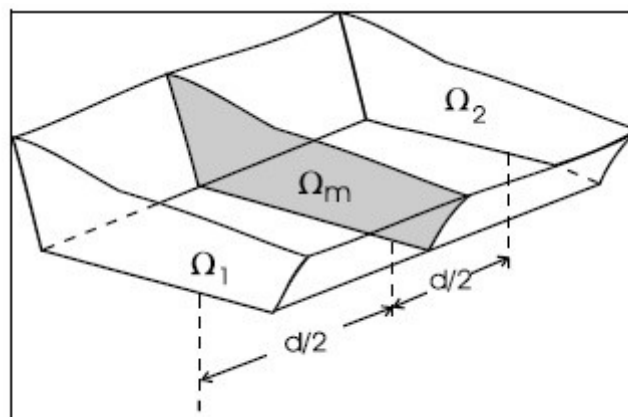


Figura 3 - Cálculo dos Volumes

O cálculo do volume foi elaborado a partir das áreas das seções transversais, pela aplicação do método da média das áreas:

$$V = \frac{\Omega 1 + \Omega 2}{2} x D$$

Onde:

V = Volume obtido (m<sup>3</sup>);

Ω1 = Área da seção Inicial (m<sup>2</sup>);

Ω2 = Área da seção Final (m<sup>2</sup>);

D = Distância entre as duas seções (m).

## 8. Fator de Homogeneização e Contração

Sempre que solo (ou rocha) é removido de sua posição original, que é o terreno natural inalterado, ocorre um rearranjo na posição relativa das partículas (grãos), acarretando um acréscimo no volume de vazios da massa. Uma vez escavado, o material fica mais solto e, conseqüentemente, sua densidade cai conseqüentemente aumentando seu volume.

Esse fenômeno físico pelo qual o material escavado experimenta uma expansão volumétrica dá-se o nome de Empolamento, expresso em porcentagem do volume original. O empolamento varia conforme o tipo de solo, o grau de coesão do material original e a umidade do solo.

Analogamente, quando uma quantidade de terra é lançada em um aterro e compactada mecanicamente, o volume final é diferente daquele que a mesma massa ocupava no corte. Essa diminuição volumétrica dá-se o nome de contração. Se 1 m<sup>3</sup> de solo (no corte) "contraí-se" para 0,8 m<sup>3</sup> (aterro) após compactado, a contração é de 20%.

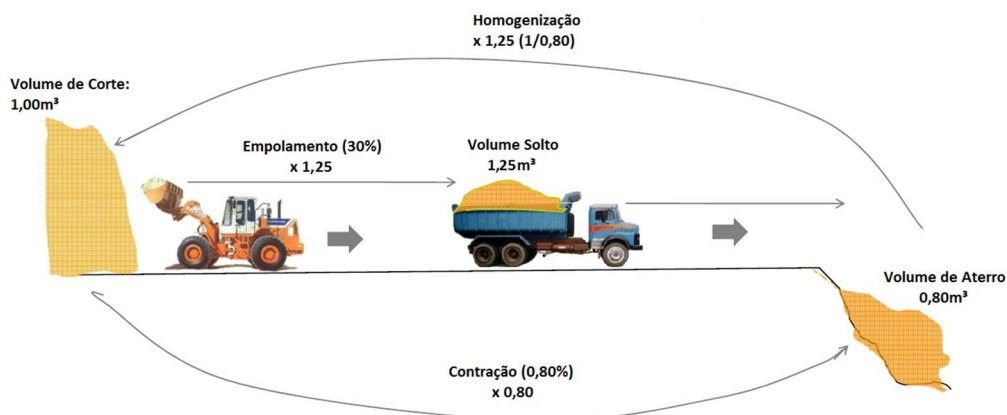


Figura 4 - Croqui esquemático dos fatores de Terraplenagem.

Os solos naturais apresentam expansões volumétricas diferentes, gerando diversos valores de  $\vartheta_1$  e  $f$ . De modo geral, quanto maior a porcentagem de finos (argila e silte), maior deve ser essa expansão, já os solos arenosos, com pequenas porcentagens de finos, sofrem pequeno empolamento. A Tabela 1 foi retirada do Manual de Implantação Básica de Rodovia do DNIT (2010) – 3ª edição, e, portanto, pode ser utilizada na determinação do fator de empolamento utilizado no projeto de terraplenagem.

Tabela 1 – Fatores de empolamento e expansão

Tipo de solo	f(%)	$\vartheta_1$
Solos argilosos	40	0,71
<b>Terra comum seca (solos argilo-siltosos com areia)</b>	<b>25</b>	<b>0,80</b>
Terra comum úmida	25	0,80
Solo arenoso seco	12	0,89

## 9. Planilha de volumes e ordenada de massas das vias

Calculou-se os volumes de cortes e aterros entre cada par de seções sucessivas e estabelecidos os demais controles do projeto de terraplenagem classificando quanto a dificuldade extrativa, critérios para seleção qualitativa e fatores de homogeneização (Anexo II para ciclovia e Anexo IV para o Estacionamento).

## 10. Nota de serviço de terraplenagem

A nota de serviço de terraplenagem foi extraída do topo da camada final do Terraplano, ou seja, abaixo da estrutura do pavimento. A Nota de serviço de terraplenagem fornece as cotas do terreno e do projeto no eixo, as distâncias em relação ao eixo, dos bordos da plataforma e dos “off-sets”, assim como suas respectivas cotas (Anexo I para ciclovia e Anexo IV para o Estacionamento)

## 11. Quadro de orientação

O Quadro de orientação tem como objetivo demonstrar a localização e distribuição dos materiais de terraplenagem com base nas informações obtidas em projeto (Anexo III para ciclovia e Anexo IV para o Estacionamento).

Para execução dos corpos de aterro, foi considerado material proveniente da 3ª Distrito do DER/DF até o centro de massa do empreendimento que se encontra nas proximidades do Eixo 06 – Estaca 60+0.000, resultando em uma distância de 14,60 quilômetros.



**Figura 5 - DMT do 3º Distrito do DER/DF para a Obra de Implantação da Ciclovía.**

## 12.ANEXOS

### 12.1. Anexo I – Notas de Serviço de Terraplenagem

#### EIXO 01 (0+0.000 - 7+7.122)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.22	1192.84	-2.00	1192.62	-2.00	0+0.000		PCV	1192.66	1192.89	-0.23	2.00	1192.70	2.00	2.24	1192.94
-2.31	1192.98	-2.00	1192.68	-2.00	0+10.000			1192.72	1193.04	-0.32	2.00	1192.76	2.00	2.33	1193.09
-2.32	1193.03	-2.00	1192.71	-2.00	0+13.177	PC		1192.75	1193.08	-0.34	2.00	1192.79	2.00	2.35	1193.14
-2.32	1193.05	-2.00	1192.72	-2.00	0+15.000			1192.76	1193.12	-0.36	2.00	1192.80	2.00	2.35	1193.15
-2.33	1193.06	-2.00	1192.73	-2.00	0+15.491			1192.77	1193.13	-0.36	2.00	1192.81	2.00	2.39	1193.19
-2.33	1193.09	-2.00	1192.75	-2.00	0+17.805	PT		1192.79	1193.16	-0.37	2.00	1192.83	2.00	2.40	1193.24
-2.33	1193.11	-2.00	1192.78	-2.00	1+0.000			1192.82	1193.18	-0.37	2.00	1192.86	2.00	2.40	1193.26
-2.33	1193.13	-2.00	1192.80	-2.00	1+1.402	PC		1192.84	1193.20	-0.36	2.00	1192.88	2.00	2.40	1193.28
-2.36	1193.19	-2.00	1192.83	-2.00	1+3.692			1192.87	1193.23	-0.36	2.00	1192.91	2.00	2.39	1193.30
-2.38	1193.23	-2.00	1192.85	-2.00	1+5.000		PTV	1192.89	1193.26	-0.37	2.00	1192.93	2.00	2.39	1193.32
-2.40	1193.26	-2.00	1192.86	-2.00	1+5.982	PT		1192.90	1193.28	-0.38	2.00	1192.94	2.00	2.39	1193.34
-2.43	1193.35	-2.00	1192.93	-2.00	1+10.000			1192.97	1193.38	-0.41	2.00	1193.01	2.00	2.43	1193.43
-2.46	1193.54	-2.00	1193.08	-2.00	2+0.000		PCV	1193.12	1193.56	-0.45	2.00	1193.16	2.00	2.46	1193.62
-2.44	1193.68	-2.00	1193.24	-2.00	2+10.000			1193.28	1193.70	-0.42	2.00	1193.32	2.00	2.46	1193.78
-2.43	1193.89	-2.00	1193.46	-2.00	3+0.000		PTV	1193.50	1193.94	-0.44	2.00	1193.54	2.00	2.49	1194.04
-2.42	1194.17	-2.00	1193.75	-2.00	3+10.000			1193.79	1194.23	-0.44	2.00	1193.83	2.00	2.45	1194.28
-2.41	1194.46	-2.00	1194.04	-2.00	4+0.000		PCV	1194.08	1194.50	-0.41	2.00	1194.12	2.00	2.41	1194.54

## EIXO 01 (0+0.000 - 7+7.122)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.45	1194.77	-2.00	1194.33	-2.00	4+10.000			1194.37	1194.81	-0.44	2.00	1194.41	2.00	2.40	1194.81
-2.45	1194.92	-2.00	1194.47	-2.00	4+17.197	PC		1194.51	1194.96	-0.44	2.00	1194.55	2.00	2.39	1194.94
-2.44	1194.95	-2.00	1194.51	-2.00	5+0.000			1194.55	1195.00	-0.44	2.00	1194.59	2.00	2.43	1195.02
-2.45	1195.02	-2.00	1194.57	-2.00	5+5.000		PTV	1194.61	1195.07	-0.46	2.00	1194.65	2.00	2.47	1195.12
-2.46	1195.04	-2.00	1194.58	-2.00	5+6.174			1194.62	1195.09	-0.48	2.00	1194.66	2.00	2.49	1195.14
-2.48	1195.08	-2.00	1194.61	-2.00	5+10.000			1194.65	1195.12	-0.47	2.00	1194.69	2.00	2.46	1195.14
-2.48	1195.12	-2.00	1194.65	-2.00	5+15.000			1194.69	1195.10	-0.41	2.00	1194.73	2.00	2.46	1195.18
-2.43	1195.07	-2.00	1194.65	-2.00	5+15.152	PT		1194.69	1195.09	-0.41	2.00	1194.73	2.00	2.39	1195.12
-2.36	1195.04	-2.00	1194.68	-2.00	6+0.000			1194.72	1195.06	-0.34	2.00	1194.76	2.00	2.33	1195.10
-2.36	1195.12	-2.00	1194.76	-2.00	6+10.000			1194.80	1195.16	-0.36	2.00	1194.84	2.00	2.34	1195.18
-2.33	1195.18	-2.00	1194.84	-2.00	7+0.000			1194.88	1195.20	-0.32	2.00	1194.92	2.00	2.30	1195.22
-2.19	1195.08	-2.00	1194.90	-2.00	7+7.122			1194.94	1195.20	-0.27	2.00	1194.98	2.00	2.27	1195.25

## EIXO 02 (0+0.000 - 24+13.384)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.28	1195.44	-2.00	1195.16	2.00	0+0.000		PCV	1195.12	1195.42	-0.29	2.00	1195.08	-2.00	2.31	1195.40



## EIXO 02 (0+0.000 - 24+13.384)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.41	1195.64	-2.00	1195.22	2.00	0+5.000	PC		1195.18	1195.66	-0.47	2.00	1195.14	-2.00	2.51	1195.65
-2.38	1195.66	-2.00	1195.28	2.00	0+8.534			1195.24	1195.71	-0.47	2.00	1195.20	-2.00	2.55	1195.75
-2.36	1195.66	-2.00	1195.30	2.00	0+10.000			1195.26	1195.71	-0.45	2.00	1195.22	-2.00	2.54	1195.76
-2.32	1195.66	-2.00	1195.34	2.00	0+12.069	PT		1195.30	1195.70	-0.40	2.00	1195.26	-2.00	2.48	1195.74
-2.22	1195.64	-2.00	1195.43	2.00	0+16.217	PC		1195.39	1195.70	-0.31	2.00	1195.35	-2.00	2.41	1195.75
-2.20	1195.71	-2.00	1195.51	2.00	1+0.000		PTV	1195.47	1195.76	-0.28	2.00	1195.43	-2.00	2.37	1195.80
-2.25	1195.89	-2.00	1195.64	2.00	1+5.000			1195.60	1195.90	-0.30	2.00	1195.56	-2.00	2.35	1195.91
-2.25	1195.89	-2.00	1195.64	2.00	1+5.066			1195.60	1195.90	-0.30	2.00	1195.56	-2.00	2.35	1195.91
-2.34	1196.11	-2.00	1195.76	2.00	1+10.000			1195.72	1196.07	-0.35	2.00	1195.68	-2.00	2.36	1196.04
-2.39	1196.25	-2.00	1195.86	2.00	1+13.916	PT		1195.82	1196.19	-0.37	2.00	1195.78	-2.00	2.35	1196.13
-2.39	1196.40	-2.00	1196.01	2.00	2+0.000			1195.97	1196.34	-0.37	2.00	1195.93	-2.00	2.35	1196.28
-2.39	1196.65	-2.00	1196.26	2.00	2+10.000			1196.22	1196.60	-0.38	2.00	1196.18	-2.00	2.36	1196.54
-2.41	1196.91	-2.00	1196.51	2.00	3+0.000		PCV	1196.47	1196.86	-0.39	2.00	1196.43	-2.00	2.38	1196.80
-2.43	1197.12	-2.00	1196.69	2.00	3+8.254	PC		1196.65	1197.06	-0.41	2.00	1196.61	-2.00	2.40	1197.01
-2.43	1197.15	-2.00	1196.72	2.00	3+10.000			1196.68	1197.09	-0.41	2.00	1196.64	-2.00	2.40	1197.03
-2.42	1197.18	-2.00	1196.77	2.00	3+12.890			1196.73	1197.13	-0.41	2.00	1196.69	-2.00	2.39	1197.07
-2.39	1197.19	-2.00	1196.80	2.00	3+15.000			1196.76	1197.16	-0.40	2.00	1196.72	-2.00	2.38	1197.09
-2.38	1197.20	-2.00	1196.83	2.00	3+17.527	PT		1196.79	1197.18	-0.39	2.00	1196.75	-2.00	2.36	1197.11
-2.37	1197.22	-2.00	1196.85	2.00	3+19.264	PC		1196.81	1197.19	-0.38	2.00	1196.77	-2.00	2.36	1197.12
-2.37	1197.22	-2.00	1196.85	2.00	4+0.000		PTV	1196.81	1197.19	-0.38	2.00	1196.77	-2.00	2.35	1197.13
-2.34	1197.23	-2.00	1196.89	2.00	4+3.901			1196.85	1197.23	-0.38	2.00	1196.81	-2.00	2.36	1197.18

## EIXO 02 (0+0.000 - 24+13.384)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.33	1197.23	-2.00	1196.90	2.00	4+5.000			1196.86	1197.25	-0.38	2.00	1196.82	-2.00	2.37	1197.19
-2.53	1197.47	-2.00	1196.94	2.00	4+8.537	PT		1196.90	1197.31	-0.41	2.00	1196.86	-2.00	2.42	1197.27
-2.54	1197.49	-2.00	1196.95	2.00	4+10.000		PCV	1196.91	1197.32	-0.41	2.00	1196.87	-2.00	2.44	1197.31
-2.56	1197.53	-2.00	1196.97	2.00	4+11.939	PC		1196.93	1197.34	-0.41	2.00	1196.89	-2.00	2.45	1197.35
-2.58	1197.59	-2.00	1197.02	2.00	4+15.000			1196.98	1197.38	-0.40	2.00	1196.94	-2.00	2.45	1197.38
-2.58	1197.60	-2.00	1197.02	2.00	4+15.286			1196.98	1197.38	-0.40	2.00	1196.94	-2.00	2.44	1197.38
-2.59	1197.67	-2.00	1197.08	2.00	4+18.633	PCC		1197.04	1197.43	-0.39	2.00	1197.00	-2.00	2.42	1197.42
-2.57	1197.68	-2.00	1197.11	2.00	5+0.000			1197.07	1197.46	-0.39	2.00	1197.03	-2.00	2.41	1197.44
-2.52	1197.71	-2.00	1197.19	2.00	5+3.630			1197.15	1197.56	-0.41	2.00	1197.11	-2.00	2.38	1197.49
-2.51	1197.74	-2.00	1197.23	2.00	5+5.000			1197.19	1197.60	-0.41	2.00	1197.15	-2.00	2.38	1197.53
-2.52	1197.85	-2.00	1197.33	2.00	5+8.627	PT		1197.29	1197.73	-0.44	2.00	1197.25	-2.00	2.36	1197.61
-2.54	1197.91	-2.00	1197.38	2.00	5+10.000		PTV	1197.34	1197.79	-0.45	2.00	1197.30	-2.00	2.37	1197.67
-2.54	1197.92	-2.00	1197.38	2.00	5+10.212	PC		1197.34	1197.79	-0.45	2.00	1197.30	-2.00	2.37	1197.68
-2.59	1198.12	-2.00	1197.52	2.00	5+14.577			1197.48	1197.95	-0.47	2.00	1197.44	-2.00	2.37	1197.81
-2.60	1198.14	-2.00	1197.54	2.00	5+15.000			1197.50	1197.96	-0.46	2.00	1197.46	-2.00	2.37	1197.82
-2.65	1198.31	-2.00	1197.67	2.00	5+18.941	PCR		1197.63	1198.07	-0.45	2.00	1197.59	-2.00	2.32	1197.90
-2.66	1198.36	-2.00	1197.70	2.00	6+0.000			1197.66	1198.11	-0.45	2.00	1197.62	-2.00	2.30	1197.92
-2.67	1198.53	-2.00	1197.86	2.00	6+5.000			1197.82	1198.27	-0.45	2.00	1197.78	-2.00	2.27	1198.05
-2.62	1198.64	-2.00	1198.02	2.00	6+10.000			1197.98	1198.40	-0.41	2.00	1197.94	-2.00	2.24	1198.18
-2.49	1198.68	-2.00	1198.19	2.00	6+15.000			1198.15	1198.53	-0.39	2.00	1198.11	-2.00	2.22	1198.33
-2.39	1198.74	-2.00	1198.35	2.00	7+0.000			1198.31	1198.57	-0.26	2.00	1198.27	-2.00	2.16	1198.42

## EIXO 02 (0+0.000 - 24+13.384)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.39	1198.81	-2.00	1198.42	2.00	7+2.330			1198.38	1198.64	-0.25	2.00	1198.34	-2.00	2.14	1198.48
-2.38	1198.89	-2.00	1198.51	2.00	7+5.000			1198.47	1198.72	-0.25	2.00	1198.43	-2.00	2.14	1198.57
-2.42	1199.06	-2.00	1198.64	2.00	7+10.000			1198.60	1198.89	-0.29	2.00	1198.56	-2.00	2.19	1198.74
-2.47	1199.23	-2.00	1198.76	2.00	7+15.000			1198.72	1199.08	-0.35	2.00	1198.68	-2.00	2.25	1198.94
-2.52	1199.41	-2.00	1198.89	2.00	8+0.000			1198.85	1199.25	-0.40	2.00	1198.81	-2.00	2.30	1199.11
-2.50	1199.52	-2.00	1199.02	2.00	8+5.000			1198.98	1199.36	-0.39	2.00	1198.94	-2.00	2.27	1199.21
-2.50	1199.54	-2.00	1199.04	2.00	8+5.720	PT		1199.00	1199.38	-0.39	2.00	1198.96	-2.00	2.27	1199.23
-2.49	1199.64	-2.00	1199.15	2.00	8+10.000			1199.11	1199.47	-0.36	2.00	1199.07	-2.00	2.24	1199.31
-2.47	1199.87	-2.00	1199.40	2.00	9+0.000			1199.36	1199.68	-0.32	2.00	1199.32	-2.00	2.20	1199.52
-2.49	1200.14	-2.00	1199.65	2.00	9+10.000		PCV	1199.61	1200.02	-0.40	2.00	1199.57	-2.00	2.28	1199.85
-2.49	1200.37	-2.00	1199.89	2.00	10+0.000			1199.85	1200.26	-0.41	2.00	1199.81	-2.00	2.35	1200.15
-2.45	1200.53	-2.00	1200.08	2.00	10+10.000		PTV	1200.04	1200.42	-0.37	2.00	1200.00	-2.00	2.28	1200.28
-2.40	1200.65	-2.00	1200.26	2.00	11+0.000			1200.22	1200.51	-0.29	2.00	1200.18	-2.00	2.20	1200.38
-2.32	1200.75	-2.00	1200.43	2.00	11+10.000			1200.39	1200.60	-0.21	2.00	1200.35	-2.00	2.12	1200.47
-2.31	1200.92	-2.00	1200.61	2.00	12+0.000			1200.57	1200.73	-0.17	2.00	1200.53	-2.00	2.04	1200.57
-2.41	1201.19	-2.00	1200.78	2.00	12+10.000			1200.74	1201.04	-0.30	2.00	1200.70	-2.00	2.17	1200.87
-2.40	1201.36	-2.00	1200.96	2.00	13+0.000			1200.92	1201.27	-0.35	2.00	1200.88	-2.00	2.30	1201.18
-2.37	1201.50	-2.00	1201.13	2.00	13+10.000			1201.09	1201.42	-0.33	2.00	1201.05	-2.00	2.36	1201.41
-2.39	1201.70	-2.00	1201.30	2.00	14+0.000			1201.26	1201.70	-0.43	2.00	1201.22	-2.00	2.47	1201.69
-2.38	1201.86	-2.00	1201.48	2.00	14+10.000			1201.44	1201.82	-0.38	2.00	1201.40	-2.00	2.42	1201.82
-2.46	1202.12	-2.00	1201.65	2.00	15+0.000			1201.61	1202.01	-0.40	2.00	1201.57	-2.00	2.34	1201.91

## EIXO 02 (0+0.000 - 24+13.384)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.40	1202.22	-2.00	1201.83	2.00	15+10.000			1201.79	1202.15	-0.36	2.00	1201.75	-2.00	2.35	1202.10
-2.36	1202.37	-2.00	1202.00	2.00	16+0.000			1201.96	1202.33	-0.37	2.00	1201.92	-2.00	2.37	1202.30
-2.33	1202.50	-2.00	1202.18	2.00	16+10.000			1202.14	1202.47	-0.34	2.00	1202.10	-2.00	2.40	1202.50
-2.36	1202.69	-2.00	1202.33	2.00	16+18.614	PC		1202.29	1202.71	-0.42	2.00	1202.25	-2.00	2.49	1202.74
-2.35	1202.70	-2.00	1202.35	2.00	17+0.000			1202.31	1202.72	-0.41	2.00	1202.27	-2.00	2.47	1202.74
-2.32	1202.73	-2.00	1202.41	2.00	17+3.251			1202.37	1202.75	-0.38	2.00	1202.33	-2.00	2.44	1202.77
-2.31	1202.75	-2.00	1202.44	2.00	17+5.000			1202.40	1202.77	-0.37	2.00	1202.36	-2.00	2.43	1202.79
-2.30	1202.79	-2.00	1202.49	2.00	17+7.887	PT		1202.45	1202.80	-0.35	2.00	1202.41	-2.00	2.41	1202.81
-2.29	1202.81	-2.00	1202.52	2.00	17+9.625	PC		1202.48	1202.82	-0.34	2.00	1202.44	-2.00	2.39	1202.83
-2.29	1202.81	-2.00	1202.53	2.00	17+10.000			1202.49	1202.83	-0.34	2.00	1202.45	-2.00	2.39	1202.84
-2.25	1202.85	-2.00	1202.60	2.00	17+14.261			1202.56	1202.87	-0.31	2.00	1202.52	-2.00	2.35	1202.88
-2.25	1202.86	-2.00	1202.61	2.00	17+15.000			1202.57	1202.88	-0.30	2.00	1202.53	-2.00	2.35	1202.88
-2.22	1202.90	-2.00	1202.68	2.00	17+18.898	PT		1202.64	1202.91	-0.27	2.00	1202.60	-2.00	2.32	1202.92
-2.22	1202.92	-2.00	1202.70	2.00	18+0.000			1202.66	1202.92	-0.26	2.00	1202.62	-2.00	2.31	1202.93
-2.26	1203.12	-2.00	1202.87	2.00	18+9.455	PC		1202.83	1203.09	-0.26	2.00	1202.79	-2.00	2.22	1203.01
-2.26	1203.14	-2.00	1202.88	2.00	18+10.000			1202.84	1203.10	-0.27	2.00	1202.80	-2.00	2.23	1203.03
-2.29	1203.23	-2.00	1202.95	2.00	18+14.092			1202.91	1203.21	-0.30	2.00	1202.87	-2.00	2.30	1203.17
-2.29	1203.26	-2.00	1202.96	2.00	18+15.000			1202.92	1203.24	-0.31	2.00	1202.88	-2.00	2.32	1203.20
-2.31	1203.34	-2.00	1203.03	2.00	18+18.728	PT		1202.99	1203.34	-0.36	2.00	1202.95	-2.00	2.39	1203.34
-2.32	1203.37	-2.00	1203.05	2.00	19+0.000			1203.01	1203.37	-0.36	2.00	1202.97	-2.00	2.40	1203.37
-2.32	1203.38	-2.00	1203.06	2.00	19+0.466	PC		1203.02	1203.38	-0.36	2.00	1202.98	-2.00	2.41	1203.39

## EIXO 02 (0+0.000 - 24+13.384)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.35	1203.49	-2.00	1203.14	2.00	19+5.000			1203.10	1203.48	-0.38	2.00	1203.06	-2.00	2.42	1203.48
-2.35	1203.49	-2.00	1203.14	2.00	19+5.102			1203.10	1203.49	-0.38	2.00	1203.06	-2.00	2.42	1203.48
-2.22	1203.44	-2.00	1203.22	2.00	19+9.739	PT		1203.18	1203.46	-0.28	2.00	1203.14	-2.00	2.34	1203.48
-2.22	1203.45	-2.00	1203.23	2.00	19+10.000			1203.19	1203.46	-0.28	2.00	1203.15	-2.00	2.34	1203.48
-2.25	1203.65	-2.00	1203.40	2.00	20+0.000			1203.36	1203.65	-0.29	2.00	1203.32	-2.00	2.33	1203.65
-2.27	1203.84	-2.00	1203.57	2.00	20+10.000			1203.53	1203.84	-0.31	2.00	1203.49	-2.00	2.35	1203.84
-2.28	1204.03	-2.00	1203.75	2.00	21+0.000			1203.71	1204.04	-0.33	2.00	1203.67	-2.00	2.39	1204.06
-2.34	1204.26	-2.00	1203.92	2.00	21+10.000			1203.88	1204.28	-0.40	2.00	1203.84	-2.00	2.46	1204.30
-2.37	1204.47	-2.00	1204.10	2.00	22+0.000			1204.06	1204.50	-0.44	2.00	1204.02	-2.00	2.52	1204.54
-2.44	1204.71	-2.00	1204.27	2.00	22+10.000		PCV	1204.23	1204.70	-0.47	2.00	1204.19	-2.00	2.54	1204.73
-2.48	1204.80	-2.00	1204.32	2.00	22+12.547	PC		1204.28	1204.78	-0.50	2.00	1204.24	-2.00	2.54	1204.78
-2.56	1204.92	-2.00	1204.36	2.00	22+15.000			1204.32	1204.85	-0.53	2.00	1204.28	-2.00	2.53	1204.80
-2.58	1204.95	-2.00	1204.38	2.00	22+16.081			1204.34	1204.88	-0.54	2.00	1204.30	-2.00	2.52	1204.82
-2.55	1204.98	-2.00	1204.43	2.00	22+19.615	PT		1204.39	1204.89	-0.50	2.00	1204.35	-2.00	2.49	1204.85
-2.54	1204.98	-2.00	1204.44	2.00	23+0.000			1204.40	1204.90	-0.50	2.00	1204.36	-2.00	2.49	1204.85
-2.39	1204.97	-2.00	1204.59	2.00	23+10.000		PTV	1204.55	1204.90	-0.35	2.00	1204.51	-2.00	2.32	1204.82
-2.36	1204.97	-2.00	1204.61	2.00	23+11.615	PC		1204.57	1204.90	-0.33	2.00	1204.53	-2.00	2.29	1204.82
-2.31	1204.97	-2.00	1204.66	2.00	23+15.000			1204.62	1204.90	-0.28	2.00	1204.58	-2.00	2.25	1204.83
-2.31	1204.97	-2.00	1204.66	2.00	23+15.150			1204.62	1204.90	-0.28	2.00	1204.58	-2.00	2.25	1204.83
-2.30	1205.01	-2.00	1204.71	2.00	23+18.684	PT		1204.67	1204.99	-0.32	2.00	1204.63	-2.00	2.33	1204.96
-2.32	1205.05	-2.00	1204.73	2.00	24+0.000			1204.69	1205.02	-0.34	2.00	1204.65	-2.00	2.35	1205.00

## EIXO 02 (0+0.000 - 24+13.384)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.39	1205.26	-2.00	1204.87	2.00	24+10.000			1204.83	1205.25	-0.42	2.00	1204.79	-2.00	2.44	1205.22
-2.41	1205.33	-2.00	1204.91	2.00	24+13.384			1204.87	1205.30	-0.43	2.00	1204.83	-2.00	2.44	1205.28

## EIXO 03 (0+0.000 - 9+1.778)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.13	1207.67	-2.00	1207.55	2.00	0+0.000		PCV	1207.51	1207.65	-0.15	2.00	1207.47	-2.00	2.17	1207.63
-2.27	1207.87	-2.00	1207.61	2.00	0+10.000			1207.57	1207.85	-0.28	2.00	1207.53	-2.00	2.30	1207.83
-2.27	1207.88	-2.00	1207.61	2.00	0+10.300	PC		1207.57	1207.86	-0.29	2.00	1207.53	-2.00	2.31	1207.83
-2.27	1207.92	-2.00	1207.65	2.00	0+13.834			1207.61	1207.93	-0.33	2.00	1207.57	-2.00	2.39	1207.95
-2.26	1207.93	-2.00	1207.67	2.00	0+15.000			1207.63	1207.96	-0.33	2.00	1207.59	-2.00	2.41	1208.00
-2.25	1207.95	-2.00	1207.70	2.00	0+17.369	PT		1207.66	1208.00	-0.34	2.00	1207.62	-2.00	2.43	1208.06
-2.22	1207.98	-2.00	1207.75	2.00	1+0.000		PTV	1207.71	1208.03	-0.32	2.00	1207.67	-2.00	2.41	1208.09
-2.30	1208.28	-2.00	1207.98	2.00	1+9.369	PC		1207.94	1208.33	-0.39	2.00	1207.90	-2.00	2.49	1208.39
-2.32	1208.32	-2.00	1208.00	2.00	1+10.000			1207.96	1208.36	-0.40	2.00	1207.92	-2.00	2.48	1208.40
-2.31	1208.39	-2.00	1208.07	2.00	1+12.903			1208.03	1208.44	-0.40	2.00	1207.99	-2.00	2.46	1208.45
-2.34	1208.47	-2.00	1208.13	2.00	1+15.000			1208.09	1208.49	-0.40	2.00	1208.05	-2.00	2.44	1208.49



## EIXO 03 (0+0.000 - 9+1.778)

LADO ESQUERDO					EIXO							LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET		
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	
-2.37	1208.53	-2.00	1208.17	2.00	1+16.437	PT		1208.13	1208.60	-0.47	2.00	1208.09	-2.00	2.42	1208.51	
-2.38	1208.64	-2.00	1208.26	2.00	2+0.000			1208.22	1208.68	-0.46	2.00	1208.18	-2.00	2.41	1208.59	
-2.49	1209.02	-2.00	1208.53	2.00	2+10.000			1208.49	1208.92	-0.44	2.00	1208.45	-2.00	2.39	1208.83	
-2.50	1209.29	-2.00	1208.79	2.00	3+0.000			1208.75	1209.22	-0.47	2.00	1208.71	-2.00	2.42	1209.13	
-2.47	1209.53	-2.00	1209.06	2.00	3+10.000			1209.02	1209.46	-0.45	2.00	1208.98	-2.00	2.41	1209.39	
-2.42	1209.74	-2.00	1209.32	2.00	4+0.000			1209.28	1209.64	-0.36	2.00	1209.24	-2.00	2.30	1209.54	
-2.34	1209.92	-2.00	1209.58	2.00	4+10.000			1209.54	1209.82	-0.27	2.00	1209.50	-2.00	2.22	1209.72	
-2.35	1210.20	-2.00	1209.85	2.00	5+0.000			1209.81	1210.12	-0.31	2.00	1209.77	-2.00	2.25	1210.02	
-2.36	1210.47	-2.00	1210.11	2.00	5+10.000		PCV	1210.07	1210.41	-0.34	2.00	1210.03	-2.00	2.32	1210.35	
-2.33	1210.70	-2.00	1210.37	2.00	6+0.000			1210.33	1210.74	-0.41	2.00	1210.29	-2.00	2.49	1210.78	
-2.30	1210.78	-2.00	1210.48	2.00	6+5.558	PC		1210.44	1210.80	-0.36	2.00	1210.40	-2.00	2.42	1210.82	
-2.26	1210.81	-2.00	1210.55	2.00	6+10.000			1210.51	1210.83	-0.32	2.00	1210.47	-2.00	2.38	1210.85	
-2.26	1210.85	-2.00	1210.59	2.00	6+13.000			1210.55	1210.85	-0.29	2.00	1210.51	-2.00	2.35	1210.87	
-2.28	1210.89	-2.00	1210.61	2.00	6+15.000		PTV	1210.57	1210.86	-0.28	2.00	1210.53	-2.00	2.34	1210.88	
-2.33	1211.00	-2.00	1210.67	2.00	7+0.000			1210.63	1210.96	-0.34	2.00	1210.59	-2.00	2.34	1210.93	
-2.34	1211.01	-2.00	1210.67	2.00	7+0.443	PT		1210.63	1210.97	-0.34	2.00	1210.59	-2.00	2.34	1210.94	
-2.37	1211.12	-2.00	1210.75	2.00	7+7.906	PC		1210.71	1211.08	-0.38	2.00	1210.67	-2.00	2.38	1211.05	
-2.36	1211.13	-2.00	1210.77	2.00	7+10.000			1210.73	1211.10	-0.37	2.00	1210.69	-2.00	2.37	1211.06	
-2.40	1211.22	-2.00	1210.82	2.00	7+15.000			1210.78	1211.19	-0.41	2.00	1210.74	-2.00	2.42	1211.16	
-2.41	1211.24	-2.00	1210.83	2.00	7+15.744			1210.79	1211.21	-0.42	2.00	1210.75	-2.00	2.42	1211.17	
-2.48	1211.36	-2.00	1210.87	2.00	8+0.000			1210.83	1211.29	-0.45	2.00	1210.79	-2.00	2.44	1211.23	

## EIXO 03 (0+0.000 - 9+1.778)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.44	1211.35	-2.00	1210.91	2.00	8+3.581	PT		1210.87	1211.30	-0.43	2.00	1210.83	-2.00	2.41	1211.24
-2.37	1211.34	-2.00	1210.98	2.00	8+9.709	PC		1210.94	1211.29	-0.36	2.00	1210.90	-2.00	2.33	1211.23
-2.36	1211.34	-2.00	1210.98	2.00	8+10.000			1210.94	1211.29	-0.36	2.00	1210.90	-2.00	2.32	1211.22
-2.33	1211.35	-2.00	1211.01	2.00	8+13.244			1210.97	1211.29	-0.31	2.00	1210.93	-2.00	2.30	1211.23
-2.32	1211.35	-2.00	1211.03	2.00	8+15.000			1210.99	1211.30	-0.31	2.00	1210.95	-2.00	2.30	1211.25
-2.32	1211.37	-2.00	1211.05	2.00	8+16.778	PT		1211.01	1211.33	-0.32	2.00	1210.97	-2.00	2.33	1211.30
-2.35	1211.43	-2.00	1211.08	2.00	9+0.000			1211.04	1211.40	-0.36	2.00	1211.00	-2.00	2.36	1211.36
-2.37	1211.47	-2.00	1211.10	2.00	9+1.778			1211.06	1211.44	-0.38	2.00	1211.02	-2.00	2.37	1211.39

## EIXO 04 (0+0.000 - 27+10.267)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.40	1211.62	-2.00	1211.22	2.00	0+0.000			1211.18	1211.61	-0.42	2.00	1211.14	-2.00	2.44	1211.58
-2.34	1211.63	-2.00	1211.29	2.00	0+3.534			1211.25	1211.50	-0.25	2.00	1211.21	-2.00	2.26	1211.47
-2.34	1211.66	-2.00	1211.32	2.00	0+5.000			1211.28	1211.55	-0.27	2.00	1211.24	-2.00	2.22	1211.46
-2.36	1211.72	-2.00	1211.36	2.00	0+7.069	PT		1211.32	1211.67	-0.35	2.00	1211.28	-2.00	2.35	1211.63
-2.46	1211.88	-2.00	1211.42	2.00	0+10.000			1211.38	1211.87	-0.49	2.00	1211.34	-2.00	2.49	1211.83

## EIXO 04 (0+0.000 - 27+10.267)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.43	1211.92	-2.00	1211.50	2.00	0+13.764	PC		1211.46	1212.00	-0.54	2.00	1211.42	-2.00	2.66	1212.07
-2.42	1211.94	-2.00	1211.52	2.00	0+15.000			1211.48	1212.01	-0.53	2.00	1211.44	-2.00	2.64	1212.09
-2.40	1212.03	-2.00	1211.62	2.00	1+0.000			1211.58	1212.09	-0.51	2.00	1211.54	-2.00	2.61	1212.15
-2.39	1212.04	-2.00	1211.65	2.00	1+1.564			1211.61	1212.10	-0.49	2.00	1211.57	-2.00	2.59	1212.17
-2.36	1212.08	-2.00	1211.72	2.00	1+5.000			1211.68	1212.13	-0.45	2.00	1211.64	-2.00	2.53	1212.17
-2.31	1212.11	-2.00	1211.81	2.00	1+9.364	PT		1211.77	1212.13	-0.36	2.00	1211.73	-2.00	2.45	1212.18
-2.31	1212.13	-2.00	1211.82	2.00	1+10.000			1211.78	1212.13	-0.35	2.00	1211.74	-2.00	2.44	1212.18
-2.34	1212.36	-2.00	1212.02	2.00	2+0.000			1211.98	1212.32	-0.34	2.00	1211.94	-2.00	2.35	1212.29
-2.34	1212.41	-2.00	1212.06	2.00	2+2.241	PC		1212.02	1212.37	-0.35	2.00	1211.98	-2.00	2.35	1212.34
-2.35	1212.47	-2.00	1212.12	2.00	2+5.000			1212.08	1212.43	-0.36	2.00	1212.04	-2.00	2.36	1212.40
-2.37	1212.59	-2.00	1212.22	2.00	2+10.000			1212.18	1212.55	-0.37	2.00	1212.14	-2.00	2.37	1212.51
-2.41	1212.72	-2.00	1212.32	2.00	2+15.000			1212.28	1212.67	-0.39	2.00	1212.24	-2.00	2.39	1212.63
-2.44	1212.86	-2.00	1212.42	2.00	3+0.000			1212.38	1212.80	-0.42	2.00	1212.34	-2.00	2.41	1212.74
-2.45	1212.90	-2.00	1212.45	2.00	3+1.548			1212.41	1212.84	-0.43	2.00	1212.37	-2.00	2.41	1212.78
-2.47	1212.99	-2.00	1212.52	2.00	3+5.000		PCV	1212.48	1212.93	-0.45	2.00	1212.44	-2.00	2.44	1212.87
-2.51	1213.13	-2.00	1212.62	2.00	3+10.000			1212.58	1213.07	-0.49	2.00	1212.54	-2.00	2.45	1212.99
-2.56	1213.27	-2.00	1212.71	2.00	3+15.000			1212.67	1213.18	-0.51	2.00	1212.63	-2.00	2.45	1213.07
-2.58	1213.37	-2.00	1212.79	2.00	4+0.000			1212.75	1213.26	-0.51	2.00	1212.71	-2.00	2.44	1213.15
-2.58	1213.38	-2.00	1212.80	2.00	4+0.854	PT	PTV	1212.76	1213.27	-0.51	2.00	1212.72	-2.00	2.44	1213.17
-2.46	1213.41	-2.00	1212.95	2.00	4+10.000			1212.91	1213.30	-0.40	2.00	1212.87	-2.00	2.34	1213.21
-2.46	1213.56	-2.00	1213.10	2.00	5+0.000			1213.06	1213.33	-0.28	2.00	1213.02	-2.00	2.23	1213.24

## EIXO 04 (0+0.000 - 27+10.267)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.55	1213.80	-2.00	1213.25	2.00	5+10.000			1213.21	1213.41	-0.20	2.00	1213.17	-2.00	2.11	1213.28
-2.63	1214.03	-2.00	1213.40	2.00	6+0.000			1213.36	1213.63	-0.27	2.00	1213.32	-2.00	2.11	1213.43
-2.71	1214.26	-2.00	1213.55	2.00	6+10.000		PCV	1213.51	1213.89	-0.38	2.00	1213.47	-2.00	2.14	1213.61
-2.72	1214.42	-2.00	1213.71	2.00	7+0.000			1213.67	1214.04	-0.38	2.00	1213.63	-2.00	2.31	1213.94
-2.75	1214.63	-2.00	1213.88	2.00	7+10.000		PTV	1213.84	1214.29	-0.45	2.00	1213.80	-2.00	2.55	1214.35
-2.98	1215.04	-2.00	1214.06	2.00	8+0.000			1214.02	1214.81	-0.79	2.00	1213.98	-2.00	2.58	1214.56
-2.93	1215.18	-2.00	1214.25	2.00	8+10.000			1214.21	1214.99	-0.79	2.00	1214.17	-2.00	2.50	1214.67
-2.88	1215.31	-2.00	1214.43	2.00	9+0.000			1214.39	1214.91	-0.52	2.00	1214.35	-2.00	3.17	1213.58
-2.67	1215.29	-2.00	1214.62	2.00	9+10.000			1214.58	1215.19	-0.61	2.00	1214.54	-2.00	2.78	1215.32
-2.53	1215.22	-2.00	1214.69	2.00	9+13.761	PC		1214.65	1215.28	-0.63	2.00	1214.61	-2.00	2.55	1215.16
-2.51	1215.23	-2.00	1214.71	2.00	9+15.000			1214.67	1215.14	-0.46	2.00	1214.63	-2.00	2.38	1215.01
-2.40	1215.21	-2.00	1214.81	2.00	10+0.000			1214.77	1215.09	-0.33	2.00	1214.73	-2.00	2.26	1214.99
-2.31	1215.21	-2.00	1214.90	2.00	10+4.782			1214.86	1215.10	-0.24	2.00	1214.82	-2.00	2.25	1215.07
-2.31	1215.21	-2.00	1214.90	2.00	10+5.000			1214.86	1215.10	-0.24	2.00	1214.82	-2.00	2.25	1215.07
-2.22	1215.21	-2.00	1215.00	2.00	10+10.000			1214.96	1215.11	-0.15	2.00	1214.92	-2.00	2.27	1215.18
-2.14	1215.23	-2.00	1215.09	2.00	10+15.000			1215.05	1215.20	-0.16	2.00	1215.01	-2.00	2.30	1215.30
-2.13	1215.23	-2.00	1215.10	2.00	10+15.803	PT		1215.06	1215.22	-0.16	2.00	1215.02	-2.00	2.30	1215.32
-2.07	1215.25	-2.00	1215.18	2.00	11+0.000			1215.14	1215.32	-0.18	2.00	1215.10	-2.00	2.31	1215.42
-2.09	1215.46	-2.00	1215.37	2.00	11+10.000			1215.33	1215.44	-0.11	2.00	1215.29	-2.00	2.25	1215.54
-2.16	1215.71	-2.00	1215.56	2.00	12+0.000			1215.52	1215.54	-0.02	2.00	1215.48	-2.00	2.15	1215.63
-2.44	1216.18	-2.00	1215.74	2.00	12+10.000			1215.70	1216.17	-0.46	2.00	1215.66	-2.00	2.55	1216.21

## EIXO 04 (0+0.000 - 27+10.267)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.58	1216.51	-2.00	1215.93	2.00	13+0.000			1215.89	1216.41	-0.52	2.00	1215.85	-2.00	2.60	1216.45
-2.31	1216.43	-2.00	1216.12	2.00	13+10.000			1216.08	1216.45	-0.37	2.00	1216.04	-2.00	2.50	1216.53
-2.41	1216.71	-2.00	1216.30	2.00	14+0.000			1216.26	1216.75	-0.48	2.00	1216.22	-2.00	2.61	1216.83
-2.76	1217.25	-2.00	1216.49	2.00	14+10.000			1216.45	1217.21	-0.76	2.00	1216.41	-2.00	2.87	1217.28
-2.92	1217.59	-2.00	1216.68	2.00	15+0.000			1216.64	1217.54	-0.90	2.00	1216.60	-2.00	2.91	1217.51
-2.73	1217.60	-2.00	1216.86	2.00	15+10.000			1216.82	1217.54	-0.72	2.00	1216.78	-2.00	2.72	1217.50
-2.64	1217.70	-2.00	1217.05	2.00	16+0.000			1217.01	1217.63	-0.62	2.00	1216.97	-2.00	2.61	1217.58
-2.60	1217.83	-2.00	1217.24	2.00	16+10.000			1217.20	1217.73	-0.53	2.00	1217.16	-2.00	2.49	1217.65
-2.53	1217.95	-2.00	1217.42	2.00	17+0.000			1217.38	1217.85	-0.47	2.00	1217.34	-2.00	2.42	1217.77
-2.46	1218.07	-2.00	1217.61	2.00	17+10.000			1217.57	1217.98	-0.41	2.00	1217.53	-2.00	2.38	1217.91
-2.39	1218.19	-2.00	1217.80	2.00	18+0.000		PCV	1217.76	1218.15	-0.40	2.00	1217.72	-2.00	2.43	1218.15
-2.33	1218.31	-2.00	1217.99	2.00	18+10.000			1217.95	1218.31	-0.37	2.00	1217.91	-2.00	2.40	1218.31
-2.30	1218.50	-2.00	1218.20	2.00	19+0.000		PTV	1218.16	1218.50	-0.35	2.00	1218.12	-2.00	2.39	1218.51
-2.38	1218.81	-2.00	1218.43	2.00	19+10.000			1218.39	1218.78	-0.39	2.00	1218.35	-2.00	2.38	1218.73
-2.39	1219.06	-2.00	1218.66	2.00	20+0.000			1218.62	1219.01	-0.39	2.00	1218.58	-2.00	2.38	1218.96
-2.39	1219.28	-2.00	1218.90	2.00	20+10.000		PCV	1218.86	1219.24	-0.38	2.00	1218.82	-2.00	2.37	1219.19
-2.41	1219.54	-2.00	1219.13	2.00	21+0.000			1219.09	1219.49	-0.40	2.00	1219.05	-2.00	2.39	1219.44
-2.43	1219.76	-2.00	1219.33	2.00	21+10.000		PTV	1219.29	1219.70	-0.42	2.00	1219.25	-2.00	2.40	1219.65
-2.43	1219.91	-2.00	1219.49	2.00	22+0.000			1219.45	1219.88	-0.43	2.00	1219.41	-2.00	2.44	1219.84
-2.35	1219.98	-2.00	1219.63	2.00	22+10.000			1219.59	1219.95	-0.36	2.00	1219.55	-2.00	2.37	1219.92
-2.30	1220.07	-2.00	1219.78	2.00	23+0.000			1219.74	1220.04	-0.30	2.00	1219.70	-2.00	2.31	1220.01

## EIXO 04 (0+0.000 - 27+10.267)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.30	1220.23	-2.00	1219.92	2.00	23+10.000			1219.88	1220.27	-0.39	2.00	1219.84	-2.00	2.38	1220.22
-2.31	1220.38	-2.00	1220.07	2.00	24+0.000			1220.03	1220.43	-0.40	2.00	1219.99	-2.00	2.48	1220.47
-2.42	1220.64	-2.00	1220.22	2.00	24+10.000			1220.18	1220.66	-0.48	2.00	1220.14	-2.00	2.55	1220.69
-2.46	1220.82	-2.00	1220.36	2.00	25+0.000		PCV	1220.32	1220.79	-0.46	2.00	1220.28	-2.00	2.51	1220.79
-2.38	1220.91	-2.00	1220.53	2.00	25+10.000			1220.49	1220.89	-0.41	2.00	1220.45	-2.00	2.45	1220.90
-2.30	1221.03	-2.00	1220.73	2.00	26+0.000		PTV	1220.69	1220.91	-0.23	2.00	1220.65	-2.00	2.25	1220.90
-2.25	1221.20	-2.00	1220.95	2.00	26+10.000			1220.91	1221.06	-0.15	2.00	1220.87	-2.00	2.08	1220.94
-2.18	1221.20	-2.00	1221.02	2.00	26+13.481	PC		1220.98	1221.17	-0.19	2.00	1220.94	-2.00	2.11	1221.05
-2.16	1221.22	-2.00	1221.06	2.00	26+15.000			1221.02	1221.21	-0.19	2.00	1220.98	-2.00	2.10	1221.07
-2.14	1221.21	-2.00	1221.07	2.00	26+15.837			1221.03	1221.22	-0.18	2.00	1220.99	-2.00	2.09	1221.08
-2.19	1221.31	-2.00	1221.12	2.00	26+18.193	PT		1221.08	1221.18	-0.10	2.00	1221.04	-2.00	2.02	1221.06
-2.09	1221.25	-2.00	1221.16	2.00	27+0.000			1221.12	1221.13	-0.01	2.00	1221.08	-2.00	2.12	1221.00
-2.06	1221.24	-2.00	1221.18	2.00	27+0.555	PC		1221.14	1221.11	0.02	2.00	1221.10	-2.00	2.15	1221.00
		-2.00	1221.23	2.00	27+2.911			1221.19	1221.16	0.02	2.00	1221.15	-2.00	2.07	1221.10
-2.01	1221.28	-2.00	1221.27	2.00	27+5.000			1221.23	1221.26	-0.02	2.00	1221.19	-2.00	2.04	1221.23
-2.01	1221.29	-2.00	1221.28	2.00	27+5.267	PT		1221.24	1221.27	-0.03	2.00	1221.20	-2.00	2.05	1221.25
-2.14	1221.52	-2.00	1221.38	2.00	27+10.000			1221.34	1221.49	-0.15	2.00	1221.30	-2.00	2.16	1221.46
-2.13	1221.51	-2.00	1221.39	2.00	27+10.267			1221.35	1221.48	-0.14	2.00	1221.31	-2.00	2.15	1221.46



## EIXO 05 ( 0+0.000 - 55+15.960)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.24	1221.63	-2.00	1221.39	2.00	0+0.000			1221.35	1221.66	-0.31	2.00	1221.31	-2.00	2.41	1221.73
-2.02	1221.46	-2.00	1221.43	2.00	0+5.000	PC		1221.39	1221.46	-0.07	2.00	1221.35	-2.00	2.18	1221.54
-2.02	1221.44	-2.00	1221.45	2.00	0+7.356			1221.41	1221.37	0.04	2.00	1221.37	-2.00		
-2.03	1221.45	-2.00	1221.47	2.00	0+9.712	PT		1221.43	1221.37	0.06	2.00	1221.39	-2.00	2.17	1221.28
-2.03	1221.45	-2.00	1221.47	2.00	0+10.000			1221.43	1221.37	0.06	2.00	1221.39	-2.00	2.17	1221.28
-2.04	1221.47	-2.00	1221.49	2.00	0+11.928	PC		1221.45	1221.38	0.07	2.00	1221.41	-2.00	2.12	1221.33
-2.09	1221.45	-2.00	1221.51	2.00	0+14.289			1221.47	1221.40	0.07	2.00	1221.43	-2.00	2.11	1221.36
-2.09	1221.45	-2.00	1221.51	2.00	0+15.000			1221.47	1221.41	0.07	2.00	1221.43	-2.00	2.11	1221.36
-2.05	1221.50	-2.00	1221.53	2.00	0+16.651	PT		1221.49	1221.42	0.06	2.00	1221.45	-2.00	2.12	1221.37
-2.01	1221.56	-2.00	1221.55	2.00	1+0.000			1221.51	1221.44	0.08	2.00	1221.47	-2.00	2.13	1221.39
-2.15	1221.79	-2.00	1221.64	2.00	1+10.000			1221.60	1221.59	0.01	2.00	1221.56	-2.00	2.19	1221.43
-2.21	1221.92	-2.00	1221.72	2.00	2+0.000			1221.68	1221.81	-0.13	2.00	1221.64	-2.00	2.17	1221.80
-2.57	1222.37	-2.00	1221.80	2.00	2+10.000			1221.76	1222.33	-0.57	2.00	1221.72	-2.00	2.58	1222.30
-2.54	1222.42	-2.00	1221.88	2.00	3+0.000			1221.84	1222.39	-0.55	2.00	1221.80	-2.00	2.56	1222.36
-2.44	1222.40	-2.00	1221.96	2.00	3+10.000		PCV	1221.92	1222.38	-0.46	2.00	1221.88	-2.00	2.52	1222.40
-2.48	1222.53	-2.00	1222.04	2.00	4+0.000			1222.00	1222.45	-0.44	2.00	1221.96	-2.00	2.51	1222.47
-2.55	1222.71	-2.00	1222.16	2.00	4+10.000		PTV	1222.12	1222.62	-0.49	2.00	1222.08	-2.00	2.45	1222.54
-2.49	1222.82	-2.00	1222.33	2.00	5+0.000			1222.29	1222.73	-0.44	2.00	1222.25	-2.00	2.45	1222.70
-2.45	1222.94	-2.00	1222.50	2.00	5+10.000			1222.46	1222.90	-0.44	2.00	1222.42	-2.00	2.45	1222.87
-2.45	1223.13	-2.00	1222.68	2.00	6+0.000			1222.64	1223.08	-0.44	2.00	1222.60	-2.00	2.45	1223.04
-2.42	1223.21	-2.00	1222.79	2.00	6+6.796	PC		1222.75	1223.16	-0.40	2.00	1222.71	-2.00	2.47	1223.19

## EIXO 05 ( 0+0.000 - 55+15.960)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.40	1223.22	-2.00	1222.82	2.00	6+8.563			1222.78	1223.19	-0.40	2.00	1222.74	-2.00	2.48	1223.23
-2.39	1223.24	-2.00	1222.85	2.00	6+10.000			1222.81	1223.22	-0.41	2.00	1222.77	-2.00	2.47	1223.24
-2.38	1223.24	-2.00	1222.86	2.00	6+10.330	PT		1222.82	1223.22	-0.41	2.00	1222.78	-2.00	2.46	1223.23
-2.40	1223.28	-2.00	1222.88	2.00	6+11.906	PC		1222.84	1223.26	-0.42	2.00	1222.80	-2.00	2.44	1223.25
-2.43	1223.35	-2.00	1222.91	2.00	6+13.673			1222.87	1223.30	-0.43	2.00	1222.83	-2.00	2.43	1223.26
-2.45	1223.38	-2.00	1222.94	2.00	6+15.000		PCV	1222.90	1223.33	-0.43	2.00	1222.86	-2.00	2.42	1223.27
-2.45	1223.39	-2.00	1222.94	2.00	6+15.440	PT		1222.90	1223.33	-0.43	2.00	1222.86	-2.00	2.41	1223.28
-2.45	1223.47	-2.00	1223.02	2.00	7+0.000			1222.98	1223.41	-0.43	2.00	1222.94	-2.00	2.41	1223.35
-2.47	1223.64	-2.00	1223.17	2.00	7+10.000		PTV	1223.13	1223.60	-0.47	2.00	1223.09	-2.00	2.41	1223.50
-2.50	1223.80	-2.00	1223.30	2.00	8+0.000			1223.26	1223.75	-0.49	2.00	1223.22	-2.00	2.45	1223.67
-2.53	1223.95	-2.00	1223.43	2.00	8+10.000			1223.39	1223.89	-0.50	2.00	1223.35	-2.00	2.49	1223.84
-2.55	1224.10	-2.00	1223.55	2.00	9+0.000			1223.51	1224.00	-0.49	2.00	1223.47	-2.00	2.39	1223.86
-2.55	1224.23	-2.00	1223.68	2.00	9+10.000			1223.64	1224.08	-0.44	2.00	1223.60	-2.00	2.02	1223.62
-2.57	1224.38	-2.00	1223.81	2.00	10+0.000		PCV	1223.77	1224.24	-0.48	2.00	1223.73	-2.00	2.19	1223.91
-2.60	1224.53	-2.00	1223.94	2.00	10+10.000			1223.90	1224.41	-0.51	2.00	1223.86	-2.00	2.35	1224.21
-2.62	1224.70	-2.00	1224.08	2.00	11+0.000		PTV	1224.04	1224.57	-0.53	2.00	1224.00	-2.00	2.37	1224.37
-2.65	1224.87	-2.00	1224.23	2.00	11+10.000			1224.19	1224.73	-0.54	2.00	1224.15	-2.00	2.35	1224.50
-2.62	1225.00	-2.00	1224.38	2.00	12+0.000			1224.34	1224.83	-0.50	2.00	1224.30	-2.00	2.36	1224.65
-2.61	1225.13	-2.00	1224.52	2.00	12+10.000			1224.48	1224.97	-0.49	2.00	1224.44	-2.00	2.37	1224.82
-2.61	1225.28	-2.00	1224.67	2.00	13+0.000			1224.63	1225.10	-0.47	2.00	1224.59	-2.00	2.39	1224.98
-2.64	1225.46	-2.00	1224.82	2.00	13+10.000		PCV	1224.78	1225.24	-0.46	2.00	1224.74	-2.00	2.41	1225.15

## EIXO 05 ( 0+0.000 - 55+15.960)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.53	1225.50	-2.00	1224.97	2.00	14+0.000			1224.93	1225.32	-0.39	2.00	1224.89	-2.00	2.41	1225.30
-2.66	1225.79	-2.00	1225.13	2.00	14+10.000		PTV	1225.09	1225.63	-0.54	2.00	1225.05	-2.00	2.42	1225.47
-2.62	1225.91	-2.00	1225.29	2.00	15+0.000			1225.25	1225.85	-0.59	2.00	1225.21	-2.00	2.44	1225.65
-2.81	1226.21	-2.00	1225.40	2.00	15+6.412	PC		1225.36	1226.01	-0.65	2.00	1225.32	-2.00	2.46	1225.78
-2.81	1226.24	-2.00	1225.43	2.00	15+8.179			1225.39	1226.03	-0.64	2.00	1225.35	-2.00	2.44	1225.79
-2.73	1226.18	-2.00	1225.46	2.00	15+9.946	PT		1225.42	1225.95	-0.53	2.00	1225.38	-2.00	2.41	1225.79
-2.64	1226.12	-2.00	1225.48	2.00	15+11.522	PC		1225.44	1225.87	-0.43	2.00	1225.40	-2.00	2.38	1225.78
-2.56	1226.07	-2.00	1225.51	2.00	15+13.289			1225.47	1225.87	-0.40	2.00	1225.43	-2.00	2.35	1225.78
-2.52	1226.05	-2.00	1225.54	2.00	15+15.000			1225.50	1225.90	-0.40	2.00	1225.46	-2.00	2.35	1225.81
-2.51	1226.05	-2.00	1225.54	2.00	15+15.056	PT		1225.50	1225.90	-0.40	2.00	1225.46	-2.00	2.35	1225.81
-2.55	1226.17	-2.00	1225.62	2.00	16+0.000			1225.58	1225.98	-0.40	2.00	1225.54	-2.00	2.33	1225.87
-2.58	1226.31	-2.00	1225.72	2.00	16+6.149	PC		1225.68	1226.15	-0.47	2.00	1225.64	-2.00	2.38	1226.03
-2.60	1226.38	-2.00	1225.79	2.00	16+10.000			1225.75	1226.22	-0.48	2.00	1225.71	-2.00	2.38	1226.08
-2.61	1226.47	-2.00	1225.87	2.00	16+15.000			1225.83	1226.30	-0.47	2.00	1225.79	-2.00	2.35	1226.14
-2.61	1226.56	-2.00	1225.95	2.00	17+0.000			1225.91	1226.39	-0.49	2.00	1225.87	-2.00	2.36	1226.23
-2.61	1226.58	-2.00	1225.97	2.00	17+1.180			1225.93	1226.42	-0.49	2.00	1225.89	-2.00	2.37	1226.26
-2.62	1226.65	-2.00	1226.03	2.00	17+5.000			1225.99	1226.49	-0.50	2.00	1225.95	-2.00	2.38	1226.33
-2.63	1226.74	-2.00	1226.11	2.00	17+10.000			1226.07	1226.58	-0.51	2.00	1226.03	-2.00	2.39	1226.42
-2.63	1226.83	-2.00	1226.19	2.00	17+15.000		PCV	1226.15	1226.67	-0.52	2.00	1226.11	-2.00	2.40	1226.51
-2.64	1226.85	-2.00	1226.22	2.00	17+16.211	PT		1226.18	1226.70	-0.52	2.00	1226.14	-2.00	2.40	1226.53
-2.64	1226.92	-2.00	1226.28	2.00	18+0.000			1226.24	1226.76	-0.52	2.00	1226.20	-2.00	2.40	1226.60

## EIXO 05 ( 0+0.000 - 55+15.960)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.59	1227.10	-2.00	1226.51	2.00	18+10.000		PTV	1226.47	1226.93	-0.47	2.00	1226.43	-2.00	2.35	1226.78
-2.50	1227.27	-2.00	1226.78	2.00	19+0.000		PCV	1226.74	1227.11	-0.37	2.00	1226.70	-2.00	2.26	1226.96
-2.35	1227.39	-2.00	1227.04	2.00	19+10.000			1227.00	1227.14	-0.13	2.00	1226.96	-2.00	2.01	1226.95
-2.31	1227.52	-2.00	1227.22	2.00	20+0.000		PTV	1227.18	1227.31	-0.14	2.00	1227.14	-2.00	2.07	1227.09
-2.31	1227.61	-2.00	1227.30	2.00	20+10.000			1227.26	1227.47	-0.22	2.00	1227.22	-2.00	2.13	1227.35
-2.36	1227.72	-2.00	1227.37	2.00	21+0.000			1227.33	1227.59	-0.26	2.00	1227.29	-2.00	2.18	1227.46
-2.43	1227.86	-2.00	1227.43	2.00	21+10.000			1227.39	1227.72	-0.33	2.00	1227.35	-2.00	2.25	1227.60
-2.46	1227.97	-2.00	1227.50	2.00	22+0.000		PCV	1227.46	1227.84	-0.38	2.00	1227.42	-2.00	2.31	1227.74
-2.47	1228.05	-2.00	1227.57	2.00	22+10.000			1227.53	1227.94	-0.40	2.00	1227.49	-2.00	2.35	1227.84
-2.46	1228.11	-2.00	1227.65	2.00	23+0.000		PTV	1227.61	1228.07	-0.46	2.00	1227.57	-2.00	2.41	1227.98
-2.47	1228.20	-2.00	1227.74	2.00	23+10.000			1227.70	1228.12	-0.42	2.00	1227.66	-2.00	2.48	1228.14
-2.47	1228.30	-2.00	1227.82	2.00	24+0.000			1227.78	1228.14	-0.36	2.00	1227.74	-2.00	2.40	1228.14
-2.48	1228.39	-2.00	1227.91	2.00	24+10.000			1227.87	1228.17	-0.30	2.00	1227.83	-2.00	2.34	1228.17
-2.47	1228.47	-2.00	1228.00	2.00	25+0.000			1227.96	1228.21	-0.25	2.00	1227.92	-2.00	2.28	1228.20
-2.46	1228.54	-2.00	1228.09	2.00	25+10.000			1228.05	1228.28	-0.23	2.00	1228.01	-2.00	2.23	1228.23
-2.45	1228.62	-2.00	1228.17	2.00	26+0.000			1228.13	1228.36	-0.23	2.00	1228.09	-2.00	2.15	1228.24
-2.44	1228.70	-2.00	1228.26	2.00	26+10.000			1228.22	1228.54	-0.32	2.00	1228.18	-2.00	2.26	1228.44
-2.44	1228.78	-2.00	1228.35	2.00	27+0.000			1228.31	1228.63	-0.33	2.00	1228.27	-2.00	2.27	1228.54
-2.43	1228.86	-2.00	1228.44	2.00	27+10.000			1228.40	1228.80	-0.40	2.00	1228.36	-2.00	2.39	1228.75
-2.42	1228.94	-2.00	1228.52	2.00	28+0.000			1228.48	1228.88	-0.40	2.00	1228.44	-2.00	2.42	1228.86
-2.41	1229.02	-2.00	1228.61	2.00	28+10.000		PCV	1228.57	1229.02	-0.45	2.00	1228.53	-2.00	2.49	1229.02

## EIXO 05 ( 0+0.000 - 55+15.960)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.45	1229.17	-2.00	1228.73	2.00	29+0.000			1228.69	1229.18	-0.49	2.00	1228.65	-2.00	2.53	1229.18
-2.42	1229.32	-2.00	1228.89	2.00	29+10.000		PTV	1228.85	1229.32	-0.46	2.00	1228.81	-2.00	2.52	1229.33
-2.38	1229.47	-2.00	1229.09	2.00	30+0.000			1229.05	1229.49	-0.44	2.00	1229.01	-2.00	2.51	1229.52
-2.36	1229.65	-2.00	1229.28	2.00	30+10.000			1229.24	1229.66	-0.41	2.00	1229.20	-2.00	2.49	1229.69
-2.36	1229.84	-2.00	1229.48	2.00	31+0.000			1229.44	1229.83	-0.39	2.00	1229.40	-2.00	2.44	1229.84
-2.34	1230.02	-2.00	1229.68	2.00	31+10.000			1229.64	1230.00	-0.36	2.00	1229.60	-2.00	2.40	1230.00
-2.35	1230.22	-2.00	1229.87	2.00	32+0.000			1229.83	1230.21	-0.38	2.00	1229.79	-2.00	2.42	1230.21
-2.37	1230.43	-2.00	1230.07	2.00	32+10.000			1230.03	1230.43	-0.41	2.00	1229.99	-2.00	2.44	1230.43
-2.37	1230.45	-2.00	1230.08	2.00	32+10.669	PC		1230.04	1230.45	-0.41	2.00	1230.00	-2.00	2.44	1230.44
-2.35	1230.47	-2.00	1230.11	2.00	32+12.436			1230.07	1230.48	-0.41	2.00	1230.03	-2.00	2.47	1230.50
-2.33	1230.48	-2.00	1230.15	2.00	32+14.203	PT	PCV	1230.11	1230.52	-0.41	2.00	1230.07	-2.00	2.48	1230.55
-2.36	1230.54	-2.00	1230.18	2.00	32+15.779	PC		1230.14	1230.54	-0.40	2.00	1230.10	-2.00	2.48	1230.58
-2.51	1230.73	-2.00	1230.21	2.00	32+17.546			1230.17	1230.56	-0.39	2.00	1230.13	-2.00	2.46	1230.59
-2.55	1230.80	-2.00	1230.25	2.00	32+19.313	PT		1230.21	1230.61	-0.40	2.00	1230.17	-2.00	2.44	1230.61
-2.55	1230.92	-2.00	1230.37	2.00	33+5.000			1230.33	1230.74	-0.41	2.00	1230.29	-2.00	2.44	1230.72
-2.64	1231.12	-2.00	1230.47	2.00	33+10.000		PTV	1230.43	1230.85	-0.42	2.00	1230.39	-2.00	2.51	1230.90
-2.60	1231.30	-2.00	1230.69	2.00	34+0.000			1230.65	1231.10	-0.45	2.00	1230.61	-2.00	2.58	1231.19
-2.58	1231.49	-2.00	1230.91	2.00	34+10.000			1230.87	1231.35	-0.47	2.00	1230.83	-2.00	2.65	1231.49
-2.61	1231.74	-2.00	1231.14	2.00	35+0.000		PCV	1231.10	1231.60	-0.50	2.00	1231.06	-2.00	2.56	1231.62
-2.65	1232.00	-2.00	1231.35	2.00	35+10.000			1231.31	1231.78	-0.47	2.00	1231.27	-2.00	2.51	1231.78
-2.71	1232.26	-2.00	1231.55	2.00	36+0.000		PTV	1231.51	1231.98	-0.47	2.00	1231.47	-2.00	2.52	1231.98

## EIXO 05 ( 0+0.000 - 55+15.960)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.71	1232.45	-2.00	1231.74	2.00	36+10.000			1231.70	1232.17	-0.47	2.00	1231.66	-2.00	2.53	1232.19
-2.72	1232.64	-2.00	1231.93	2.00	37+0.000			1231.89	1232.36	-0.48	2.00	1231.85	-2.00	2.55	1232.39
-2.69	1232.81	-2.00	1232.12	2.00	37+10.000			1232.08	1232.56	-0.48	2.00	1232.04	-2.00	2.50	1232.53
-2.66	1232.97	-2.00	1232.31	2.00	38+0.000		PCV	1232.27	1232.75	-0.48	2.00	1232.23	-2.00	2.45	1232.67
-2.64	1233.14	-2.00	1232.50	2.00	38+10.000			1232.46	1232.94	-0.49	2.00	1232.42	-2.00	2.40	1232.82
-2.63	1233.32	-2.00	1232.70	2.00	39+0.000		PTV	1232.66	1233.15	-0.49	2.00	1232.62	-2.00	2.40	1233.02
-2.60	1233.52	-2.00	1232.92	2.00	39+10.000			1232.88	1233.36	-0.48	2.00	1232.84	-2.00	2.38	1233.22
-2.61	1233.75	-2.00	1233.14	2.00	40+0.000			1233.10	1233.57	-0.47	2.00	1233.06	-2.00	2.35	1233.41
-2.61	1233.98	-2.00	1233.37	2.00	40+10.000		PCV	1233.33	1233.78	-0.45	2.00	1233.29	-2.00	2.37	1233.66
-2.63	1234.21	-2.00	1233.58	2.00	41+0.000			1233.54	1233.99	-0.45	2.00	1233.50	-2.00	2.43	1233.93
-2.77	1234.49	-2.00	1233.72	2.00	41+10.000			1233.68	1234.28	-0.60	2.00	1233.64	-2.00	2.58	1234.22
-2.83	1234.58	-2.00	1233.75	2.00	41+12.944	PC		1233.71	1234.40	-0.70	2.00	1233.67	-2.00	2.60	1234.27
-2.85	1234.61	-2.00	1233.76	2.00	41+14.981			1233.72	1234.39	-0.66	2.00	1233.68	-2.00	2.58	1234.26
-2.85	1234.60	-2.00	1233.76	2.00	41+15.000		PTV	1233.72	1234.38	-0.66	2.00	1233.68	-2.00	2.58	1234.26
-2.66	1234.43	-2.00	1233.77	2.00	41+17.018	PT		1233.73	1234.32	-0.59	2.00	1233.69	-2.00	2.54	1234.23
-2.49	1234.28	-2.00	1233.79	2.00	42+0.000			1233.75	1234.32	-0.58	2.00	1233.71	-2.00	2.55	1234.25
-2.34	1234.15	-2.00	1233.80	2.00	42+3.765	PC		1233.76	1234.08	-0.32	2.00	1233.72	-2.00	2.25	1233.98
-2.30	1234.11	-2.00	1233.81	2.00	42+5.000			1233.77	1234.01	-0.24	2.00	1233.73	-2.00	2.11	1233.84
-2.27	1234.09	-2.00	1233.81	2.00	42+5.802			1233.77	1233.97	-0.19	2.00	1233.73	-2.00	2.05	1233.78
-2.23	1234.05	-2.00	1233.83	2.00	42+7.838	PT		1233.79	1233.90	-0.12	2.00	1233.75	-2.00	2.04	1233.72
-2.17	1234.01	-2.00	1233.84	2.00	42+10.000			1233.80	1233.86	-0.07	2.00	1233.76	-2.00	2.05	1233.72



## EIXO 05 ( 0+0.000 - 55+15.960)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.26	1234.15	-2.00	1233.89	2.00	43+0.000			1233.85	1233.99	-0.14	2.00	1233.81	-2.00	2.04	1233.85
-2.38	1234.31	-2.00	1233.94	2.00	43+10.000			1233.90	1234.15	-0.25	2.00	1233.86	-2.00	2.15	1234.01
-2.50	1234.49	-2.00	1233.99	2.00	44+0.000		PCV	1233.95	1234.23	-0.28	2.00	1233.91	-2.00	2.17	1234.08
-2.61	1234.70	-2.00	1234.09	2.00	44+10.000			1234.05	1234.41	-0.36	2.00	1234.01	-2.00	2.16	1234.17
-2.84	1235.14	-2.00	1234.30	2.00	45+0.000		PTV	1234.26	1234.64	-0.38	2.00	1234.22	-2.00	2.17	1234.39
-2.80	1235.36	-2.00	1234.56	2.00	45+10.000			1234.52	1234.91	-0.39	2.00	1234.48	-2.00	2.19	1234.67
-2.78	1235.60	-2.00	1234.82	2.00	46+0.000			1234.78	1235.23	-0.45	2.00	1234.74	-2.00	2.20	1234.94
-2.89	1235.98	-2.00	1235.09	2.00	46+10.000			1235.05	1235.57	-0.52	2.00	1235.01	-2.00	2.32	1235.32
-3.00	1236.35	-2.00	1235.35	2.00	47+0.000			1235.31	1235.88	-0.58	2.00	1235.27	-2.00	2.38	1235.65
-3.07	1236.68	-2.00	1235.61	2.00	47+10.000			1235.57	1236.23	-0.66	2.00	1235.53	-2.00	2.46	1235.99
-2.95	1236.82	-2.00	1235.87	2.00	48+0.000			1235.83	1236.45	-0.62	2.00	1235.79	-2.00	2.42	1236.21
-2.83	1236.96	-2.00	1236.13	2.00	48+10.000			1236.09	1236.55	-0.45	2.00	1236.05	-2.00	2.27	1236.32
-2.68	1237.08	-2.00	1236.40	2.00	49+0.000		PCV	1236.36	1236.69	-0.34	2.00	1236.32	-2.00	2.17	1236.48
-2.82	1237.48	-2.00	1236.66	2.00	49+10.000			1236.62	1237.11	-0.49	2.00	1236.58	-2.00	2.27	1236.85
-2.79	1237.76	-2.00	1236.97	2.00	50+0.000		PTV	1236.93	1237.42	-0.49	2.00	1236.89	-2.00	2.31	1237.20
-2.77	1238.10	-2.00	1237.33	2.00	50+10.000			1237.29	1237.74	-0.45	2.00	1237.25	-2.00	2.30	1237.55
-2.61	1238.30	-2.00	1237.69	2.00	51+0.000			1237.65	1238.02	-0.37	2.00	1237.61	-2.00	2.20	1237.81
-2.37	1238.42	-2.00	1238.05	2.00	51+10.000			1238.01	1238.16	-0.15	2.00	1237.97	-2.00	2.02	1237.96
-2.12	1238.53	-2.00	1238.41	2.00	52+0.000			1238.37	1238.30	0.07	2.00	1238.33	-2.00	2.40	1238.07
-2.19	1238.65	-2.00	1238.77	2.00	52+10.000			1238.73	1238.41	0.33	2.00	1238.69	-2.00	2.79	1238.16
-2.28	1238.95	-2.00	1239.13	2.00	53+0.000			1239.09	1238.56	0.54	2.00	1239.05	-2.00	2.57	1238.67

## EIXO 05 ( 0+0.000 - 55+15.960)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.44	1239.20	-2.00	1239.50	2.00	53+10.000		PCV	1239.46	1239.74	-0.29	2.00	1239.42	-2.00	2.37	1239.79
-2.28	1240.16	-2.00	1239.88	2.00	54+0.000			1239.84	1239.88	-0.03	2.00	1239.80	-2.00	3.62	1238.72
-2.34	1240.14	-2.00	1240.37	2.00	54+10.000		PTV	1240.33	1239.52	0.81	2.00	1240.29	-2.00	3.94	1238.99
-2.35	1240.49	-2.00	1240.72	2.00	54+16.299	PC		1240.68	1240.00	0.68	2.00	1240.64	-2.00	3.83	1239.42
-2.63	1240.51	-2.00	1240.92	2.00	54+19.841			1240.88	1240.07	0.81	2.00	1240.84	-2.00	4.21	1239.37
-2.64	1240.51	-2.00	1240.93	2.00	55+0.000			1240.89	1240.07	0.83	2.00	1240.85	-2.00	4.23	1239.37
-2.97	1240.48	-2.00	1241.13	2.00	55+3.382	PT		1241.09	1239.75	1.34	2.00	1241.05	-2.00	4.60	1239.31
-3.23	1240.38	-2.00	1241.20	2.00	55+4.676	PC		1241.16	1239.59	1.57	2.00	1241.12	-2.00	4.90	1239.19
-3.26	1240.38	-2.00	1241.22	2.00	55+5.000			1241.18	1239.55	1.62	2.00	1241.14	-2.00	5.03	1239.12
-3.45	1240.41	-2.00	1241.38	2.00	55+7.818			1241.34	1239.83	1.51	2.00	1241.30	-2.00	5.19	1239.18
-3.52	1240.49	-2.00	1241.51	2.00	55+10.000			1241.47	1240.27	1.19	2.00	1241.43	-2.00	4.05	1240.06
-3.54	1240.54	-2.00	1241.56	2.00	55+10.960	PT		1241.52	1240.49	1.03	2.00	1241.48	-2.00	3.29	1240.62
-2.46	1241.54	-2.00	1241.85	2.00	55+15.960			1241.81	1241.62	0.19	2.00	1241.77	-2.00	2.10	1241.70

## EIXO 06 (0+0.000 - 92+5.002)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.17	1242.02	-2.00	1241.85	2.00	0+0.000			1241.81	1242.03	-0.23	2.00	1241.77	-2.00	2.33	1242.10
-2.26	1241.70	-2.00	1241.87	2.00	0+5.000	PC		1241.83	1241.76	0.08	2.00	1241.79	-2.00	2.01	1241.81
-2.41	1241.61	-2.00	1241.89	2.00	0+7.945			1241.85	1241.62	0.22	2.00	1241.81	-2.00	2.26	1241.63
-2.46	1241.59	-2.00	1241.90	2.00	0+10.000			1241.86	1241.58	0.28	2.00	1241.82	-2.00	2.37	1241.57
-2.48	1241.58	-2.00	1241.90	2.00	0+10.890	PT		1241.86	1241.57	0.29	2.00	1241.82	-2.00	2.40	1241.55
-2.50	1241.57	-2.00	1241.91	2.00	0+12.716	PC		1241.87	1241.54	0.33	2.00	1241.83	-2.00	2.46	1241.53
-2.54	1241.56	-2.00	1241.92	2.00	0+15.000			1241.88	1241.53	0.35	2.00	1241.84	-2.00	2.50	1241.51
-2.55	1241.56	-2.00	1241.92	2.00	0+15.264			1241.88	1241.53	0.35	2.00	1241.84	-2.00	2.50	1241.51
-2.57	1241.56	-2.00	1241.94	2.00	0+17.811	PT		1241.90	1241.52	0.38	2.00	1241.86	-2.00	2.55	1241.49
-2.69	1241.49	-2.00	1241.95	2.00	1+0.000			1241.91	1241.45	0.46	2.00	1241.87	-2.00	2.66	1241.43
-3.20	1241.20	-2.00	1242.00	2.00	1+10.000			1241.96	1241.01	0.94	2.00	1241.92	-2.00	3.28	1241.06
-3.19	1241.25	-2.00	1242.05	2.00	2+0.000			1242.01	1240.98	1.03	2.00	1241.97	-2.00	3.76	1240.80
-3.32	1241.22	-2.00	1242.10	2.00	2+10.000			1242.06	1240.94	1.12	2.00	1242.02	-2.00	3.80	1240.82
-3.45	1241.18	-2.00	1242.15	2.00	3+0.000			1242.11	1241.07	1.04	2.00	1242.07	-2.00	3.67	1240.96
-3.36	1241.27	-2.00	1242.18	2.00	3+6.411	PC		1242.14	1241.17	0.98	2.00	1242.10	-2.00	3.57	1241.06
-3.29	1241.34	-2.00	1242.20	2.00	3+10.000			1242.16	1241.25	0.91	2.00	1242.12	-2.00	3.44	1241.16
-3.26	1241.37	-2.00	1242.21	2.00	3+11.018			1242.17	1241.28	0.88	2.00	1242.13	-2.00	3.40	1241.19
-3.10	1241.50	-2.00	1242.23	2.00	3+15.000			1242.19	1241.40	0.78	2.00	1242.15	-2.00	3.21	1241.34
-3.04	1241.53	-2.00	1242.23	2.00	3+15.624	PT		1242.19	1241.42	0.77	2.00	1242.15	-2.00	3.18	1241.36
-2.60	1241.85	-2.00	1242.25	2.00	4+0.000			1242.21	1241.67	0.54	2.00	1242.17	-2.00	2.99	1241.51
-2.29	1242.08	-2.00	1242.27	2.00	4+3.114	PC		1242.23	1241.92	0.31	2.00	1242.19	-2.00	2.71	1241.72

## EIXO 06 (0+0.000 - 92+5.002)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.11	1242.21	-2.00	1242.28	2.00	4+5.000			1242.24	1242.03	0.21	2.00	1242.20	-2.00	2.57	1241.81
-2.04	1242.33	-2.00	1242.29	2.00	4+7.721			1242.25	1242.15	0.10	2.00	1242.21	-2.00	2.42	1241.93
-2.11	1242.42	-2.00	1242.30	2.00	4+10.000			1242.26	1242.22	0.04	2.00	1242.22	-2.00	2.33	1242.00
-2.16	1242.48	-2.00	1242.31	2.00	4+12.328	PT		1242.27	1242.27	0.01	2.00	1242.23	-2.00	2.27	1242.05
-2.25	1242.60	-2.00	1242.35	2.00	5+0.000			1242.31	1242.42	-0.11	2.00	1242.27	-2.00	2.01	1242.29
-2.48	1242.88	-2.00	1242.40	2.00	5+10.000		PCV	1242.36	1242.57	-0.20	2.00	1242.32	-2.00	2.10	1242.42
-2.69	1243.19	-2.00	1242.50	2.00	6+0.000			1242.46	1242.71	-0.25	2.00	1242.42	-2.00	2.18	1242.60
-2.71	1243.40	-2.00	1242.69	2.00	6+10.000		PTV	1242.65	1242.99	-0.34	2.00	1242.61	-2.00	2.29	1242.90
-2.59	1243.51	-2.00	1242.93	2.00	7+0.000			1242.89	1243.32	-0.44	2.00	1242.85	-2.00	2.38	1243.23
-2.60	1243.76	-2.00	1243.16	2.00	7+10.000			1243.12	1243.56	-0.44	2.00	1243.08	-2.00	2.39	1243.47
-2.60	1244.00	-2.00	1243.40	2.00	8+0.000			1243.36	1243.78	-0.43	2.00	1243.32	-2.00	2.34	1243.66
-2.60	1244.23	-2.00	1243.63	2.00	8+10.000			1243.59	1244.03	-0.44	2.00	1243.55	-2.00	2.30	1243.85
-2.63	1244.50	-2.00	1243.87	2.00	9+0.000			1243.83	1244.29	-0.46	2.00	1243.79	-2.00	2.32	1244.10
-2.65	1244.75	-2.00	1244.10	2.00	9+10.000			1244.06	1244.54	-0.48	2.00	1244.02	-2.00	2.33	1244.36
-2.67	1245.01	-2.00	1244.34	2.00	10+0.000			1244.30	1244.79	-0.49	2.00	1244.26	-2.00	2.27	1244.53
-2.68	1245.25	-2.00	1244.57	2.00	10+10.000			1244.53	1244.94	-0.41	2.00	1244.49	-2.00	2.20	1244.69
-2.72	1245.53	-2.00	1244.81	2.00	11+0.000			1244.77	1245.13	-0.36	2.00	1244.73	-2.00	2.16	1244.88
-2.84	1245.88	-2.00	1245.04	2.00	11+10.000			1245.00	1245.45	-0.45	2.00	1244.96	-2.00	2.16	1245.12
-2.75	1246.02	-2.00	1245.28	2.00	12+0.000			1245.24	1245.60	-0.37	2.00	1245.20	-2.00	2.09	1245.28
-2.59	1246.10	-2.00	1245.51	2.00	12+10.000			1245.47	1245.75	-0.28	2.00	1245.43	-2.00	2.08	1245.51
-2.51	1246.26	-2.00	1245.75	2.00	13+0.000			1245.71	1245.90	-0.19	2.00	1245.67	-2.00	2.10	1245.77

## EIXO 06 (0+0.000 - 92+5.002)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.41	1246.39	-2.00	1245.98	2.00	13+10.000			1245.94	1246.12	-0.17	2.00	1245.90	-2.00		
-2.42	1246.64	-2.00	1246.22	2.00	14+0.000			1246.18	1246.36	-0.18	2.00	1246.14	-2.00	2.03	1246.17
-2.51	1246.96	-2.00	1246.45	2.00	14+10.000			1246.41	1246.64	-0.22	2.00	1246.37	-2.00	2.16	1246.53
-2.88	1247.57	-2.00	1246.69	2.00	15+0.000			1246.65	1247.01	-0.36	2.00	1246.61	-2.00	2.13	1246.74
-2.82	1247.74	-2.00	1246.93	2.00	15+10.000			1246.89	1247.34	-0.45	2.00	1246.85	-2.00	2.13	1246.98
-2.71	1247.87	-2.00	1247.16	2.00	16+0.000			1247.12	1247.52	-0.40	2.00	1247.08	-2.00	2.15	1247.23
-2.79	1248.19	-2.00	1247.40	2.00	16+10.000			1247.36	1247.80	-0.44	2.00	1247.32	-2.00	2.16	1247.47
-2.70	1248.33	-2.00	1247.63	2.00	17+0.000			1247.59	1248.02	-0.42	2.00	1247.55	-2.00	2.18	1247.73
-2.84	1248.71	-2.00	1247.87	2.00	17+10.000			1247.83	1248.34	-0.51	2.00	1247.79	-2.00	2.22	1248.01
-2.95	1249.05	-2.00	1248.10	2.00	18+0.000			1248.06	1248.62	-0.56	2.00	1248.02	-2.00	2.27	1248.29
-2.73	1249.07	-2.00	1248.34	2.00	18+10.000			1248.30	1248.79	-0.49	2.00	1248.26	-2.00	2.22	1248.48
-2.47	1249.04	-2.00	1248.57	2.00	19+0.000			1248.53	1248.79	-0.26	2.00	1248.49	-2.00	2.09	1248.58
-2.33	1249.14	-2.00	1248.81	2.00	19+10.000			1248.77	1248.90	-0.13	2.00	1248.73	-2.00	2.05	1248.70
-2.20	1249.24	-2.00	1249.04	2.00	20+0.000			1249.00	1249.06	-0.06	2.00	1248.96	-2.00	2.08	1248.91
-2.24	1249.52	-2.00	1249.28	2.00	20+10.000			1249.24	1249.27	-0.03	2.00	1249.20	-2.00	2.13	1249.11
-2.43	1249.95	-2.00	1249.51	2.00	21+0.000			1249.47	1249.64	-0.16	2.00	1249.43	-2.00	2.09	1249.38
-2.40	1250.15	-2.00	1249.75	2.00	21+10.000			1249.71	1249.86	-0.15	2.00	1249.67	-2.00	2.08	1249.62
-2.37	1250.36	-2.00	1249.98	2.00	22+0.000			1249.94	1250.08	-0.13	2.00	1249.90	-2.00	2.09	1249.85
-2.34	1250.56	-2.00	1250.22	2.00	22+10.000			1250.18	1250.29	-0.11	2.00	1250.14	-2.00	2.05	1250.19
-2.46	1250.92	-2.00	1250.46	2.00	23+0.000			1250.42	1250.57	-0.16	2.00	1250.38	-2.00	2.48	1250.85
-2.54	1251.23	-2.00	1250.69	2.00	23+10.000			1250.65	1250.87	-0.22	2.00	1250.61	-2.00	2.48	1251.09

## EIXO 06 (0+0.000 - 92+5.002)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.62	1251.55	-2.00	1250.93	2.00	24+0.000		PCV	1250.89	1251.18	-0.29	2.00	1250.85	-2.00	2.48	1251.33
-2.64	1251.77	-2.00	1251.14	2.00	24+10.000			1251.10	1251.48	-0.38	2.00	1251.06	-2.00	2.51	1251.57
-2.73	1252.04	-2.00	1251.31	2.00	25+0.000		PTV	1251.27	1251.75	-0.48	2.00	1251.23	-2.00	2.47	1251.69
-2.59	1252.05	-2.00	1251.46	2.00	25+10.000			1251.42	1251.82	-0.40	2.00	1251.38	-2.00	2.29	1251.66
-2.45	1252.05	-2.00	1251.60	2.00	26+0.000			1251.56	1251.83	-0.27	2.00	1251.52	-2.00	2.18	1251.70
-2.30	1252.05	-2.00	1251.75	2.00	26+10.000			1251.71	1251.85	-0.14	2.00	1251.67	-2.00	2.07	1251.74
-2.45	1252.35	-2.00	1251.90	2.00	27+0.000			1251.86	1252.00	-0.14	2.00	1251.82	-2.00	2.05	1251.87
-2.78	1252.82	-2.00	1252.05	2.00	27+10.000			1252.01	1252.42	-0.42	2.00	1251.97	-2.00	2.16	1252.13
-2.65	1252.84	-2.00	1252.19	2.00	28+0.000			1252.15	1252.61	-0.46	2.00	1252.11	-2.00	2.32	1252.43
-2.81	1253.15	-2.00	1252.34	2.00	28+10.000			1252.30	1252.93	-0.63	2.00	1252.26	-2.00	2.48	1252.74
-2.66	1253.15	-2.00	1252.49	2.00	29+0.000			1252.45	1252.98	-0.53	2.00	1252.41	-2.00	2.42	1252.83
-2.50	1253.13	-2.00	1252.63	2.00	29+10.000			1252.59	1252.82	-0.22	2.00	1252.55	-2.00	2.13	1252.68
-2.51	1253.29	-2.00	1252.78	2.00	30+0.000		PCV	1252.74	1252.93	-0.19	2.00	1252.70	-2.00	2.02	1252.72
-2.54	1253.50	-2.00	1252.95	2.00	30+10.000			1252.91	1253.13	-0.21	2.00	1252.87	-2.00	2.12	1252.99
-2.33	1253.58	-2.00	1253.25	2.00	31+0.000		PTV	1253.21	1253.34	-0.13	2.00	1253.17	-2.00	2.05	1253.22
-2.02	1253.63	-2.00	1253.64	2.00	31+10.000			1253.60	1253.36	0.24	2.00	1253.56	-2.00	2.64	1253.13
-2.38	1253.79	-2.00	1254.04	2.00	32+0.000			1254.00	1253.45	0.55	2.00	1253.96	-2.00	3.21	1253.15
-2.63	1254.02	-2.00	1254.44	2.00	32+10.000		PCV	1254.40	1253.64	0.75	2.00	1254.36	-2.00	3.53	1253.34
-2.83	1254.25	-2.00	1254.80	2.00	33+0.000			1254.76	1253.84	0.92	2.00	1254.72	-2.00	3.81	1253.52
-2.90	1254.40	-2.00	1255.00	2.00	33+10.000		PTV	1254.96	1254.00	0.96	2.00	1254.92	-2.00	4.05	1253.55
-2.72	1254.58	-2.00	1255.06	2.00	34+0.000			1255.02	1254.18	0.84	2.00	1254.98	-2.00	4.07	1253.60

## EIXO 06 (0+0.000 - 92+5.002)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.44	1255.55	-2.00	1255.11	2.00	34+10.000		PCV	1255.07	1255.50	-0.43	2.00	1255.03	-2.00	2.42	1255.44
-2.37	1254.91	-2.00	1255.15	2.00	35+0.000			1255.11	1254.61	0.50	2.00	1255.07	-2.00	3.29	1254.21
-2.60	1254.75	-2.00	1255.15	2.00	35+10.000		PTV	1255.11	1254.35	0.76	2.00	1255.07	-2.00	3.49	1254.08
-2.27	1254.93	-2.00	1255.11	2.00	36+0.000			1255.07	1254.55	0.52	2.00	1255.03	-2.00	3.16	1254.26
-2.14	1255.20	-2.00	1255.06	2.00	36+10.000		PCV	1255.02	1254.84	0.17	2.00	1254.98	-2.00	2.81	1254.44
-2.10	1255.11	-2.00	1255.01	2.00	37+0.000			1254.97	1254.77	0.21	2.00	1254.93	-2.00	2.48	1254.61
-2.01	1255.05	-2.00	1255.04	2.00	37+10.000		PTV	1255.00	1254.92	0.08	2.00	1254.96	-2.00	2.27	1254.77
-2.09	1255.24	-2.00	1255.15	2.00	38+0.000			1255.11	1255.12	0.00	2.00	1255.07	-2.00	2.13	1254.99
-2.51	1255.81	-2.00	1255.29	2.00	38+10.000			1255.25	1255.51	-0.25	2.00	1255.21	-2.00	2.10	1255.15
-2.48	1255.91	-2.00	1255.44	2.00	39+0.000			1255.40	1255.49	-0.09	2.00	1255.36	-2.00	2.42	1255.07
-2.55	1256.12	-2.00	1255.57	2.00	39+9.582	PC		1255.53	1255.70	-0.16	2.00	1255.49	-2.00	2.24	1255.33
-2.56	1256.13	-2.00	1255.58	2.00	39+10.000			1255.54	1255.71	-0.17	2.00	1255.50	-2.00	2.23	1255.35
-2.63	1256.28	-2.00	1255.65	2.00	39+15.000			1255.61	1255.85	-0.25	2.00	1255.57	-2.00	2.08	1255.51
-2.72	1256.44	-2.00	1255.72	2.00	40+0.000			1255.68	1255.99	-0.32	2.00	1255.64	-2.00	2.03	1255.66
-2.79	1256.58	-2.00	1255.79	2.00	40+5.000			1255.75	1256.12	-0.37	2.00	1255.71	-2.00	2.08	1255.78
-2.79	1256.58	-2.00	1255.79	2.00	40+5.048			1255.75	1256.12	-0.37	2.00	1255.71	-2.00	2.08	1255.78
-2.86	1256.72	-2.00	1255.86	2.00	40+10.000			1255.82	1256.25	-0.43	2.00	1255.78	-2.00	2.13	1255.91
-2.92	1256.85	-2.00	1255.93	2.00	40+15.000			1255.89	1256.38	-0.49	2.00	1255.85	-2.00	2.20	1256.04
-2.99	1256.99	-2.00	1256.00	2.00	41+0.000			1255.96	1256.50	-0.54	2.00	1255.92	-2.00	2.26	1256.18
-3.00	1257.00	-2.00	1256.01	2.00	41+0.515	PT		1255.97	1256.51	-0.55	2.00	1255.93	-2.00	2.27	1256.19
-3.09	1257.23	-2.00	1256.14	2.00	41+10.000			1256.10	1256.81	-0.71	2.00	1256.06	-2.00	2.56	1256.62



## EIXO 06 (0+0.000 - 92+5.002)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-3.17	1257.45	-2.00	1256.28	2.00	42+0.000			1256.24	1257.32	-1.08	2.00	1256.20	-2.00	2.91	1257.11
-3.38	1257.80	-2.00	1256.42	2.00	42+10.000			1256.38	1257.76	-1.38	2.00	1256.34	-2.00	3.21	1257.55
-3.35	1257.91	-2.00	1256.56	2.00	43+0.000			1256.52	1257.67	-1.15	2.00	1256.48	-2.00	2.91	1257.39
-2.99	1257.69	-2.00	1256.70	2.00	43+10.000			1256.66	1257.28	-0.62	2.00	1256.62	-2.00	2.34	1256.96
-2.67	1257.51	-2.00	1256.84	2.00	44+0.000			1256.80	1257.19	-0.39	2.00	1256.76	-2.00	2.17	1256.93
-2.65	1257.63	-2.00	1256.99	2.00	44+10.000			1256.95	1257.36	-0.42	2.00	1256.91	-2.00	2.23	1257.13
-2.64	1257.76	-2.00	1257.13	2.00	45+0.000			1257.09	1257.36	-0.27	2.00	1257.05	-2.00	2.04	1257.08
-2.52	1257.78	-2.00	1257.27	2.00	45+10.000			1257.23	1257.31	-0.08	2.00	1257.19	-2.00	2.52	1256.84
-2.27	1257.67	-2.00	1257.41	2.00	46+0.000			1257.37	1257.34	0.03	2.00	1257.33	-2.00	2.54	1256.97
-2.39	1257.93	-2.00	1257.55	2.00	46+10.000			1257.51	1257.58	-0.08	2.00	1257.47	-2.00	2.34	1257.24
-2.63	1258.32	-2.00	1257.69	2.00	47+0.000			1257.65	1257.90	-0.25	2.00	1257.61	-2.00	2.06	1257.57
-2.77	1258.60	-2.00	1257.83	2.00	47+10.000			1257.79	1258.32	-0.52	2.00	1257.75	-2.00	2.30	1258.05
-2.79	1258.65	-2.00	1257.86	2.00	47+12.198	PC		1257.82	1258.36	-0.54	2.00	1257.78	-2.00	2.34	1258.12
-2.81	1258.72	-2.00	1257.90	2.00	47+15.000			1257.86	1258.42	-0.56	2.00	1257.82	-2.00	2.36	1258.18
-2.78	1258.75	-2.00	1257.97	2.00	48+0.000		PCV	1257.93	1258.46	-0.53	2.00	1257.89	-2.00	2.33	1258.22
-2.71	1258.75	-2.00	1258.04	2.00	48+5.000			1258.00	1258.47	-0.47	2.00	1257.96	-2.00	2.27	1258.23
-2.71	1258.75	-2.00	1258.05	2.00	48+5.256			1258.01	1258.47	-0.47	2.00	1257.97	-2.00	2.27	1258.23
-2.63	1258.73	-2.00	1258.10	2.00	48+10.000			1258.06	1258.48	-0.41	2.00	1258.02	-2.00	2.20	1258.23
-2.62	1258.77	-2.00	1258.15	2.00	48+15.000			1258.11	1258.47	-0.36	2.00	1258.07	-2.00	2.15	1258.22
-2.58	1258.76	-2.00	1258.18	2.00	48+18.313	PT		1258.14	1258.46	-0.32	2.00	1258.10	-2.00	2.12	1258.22
-2.56	1258.75	-2.00	1258.19	2.00	49+0.000		PTV	1258.15	1258.45	-0.30	2.00	1258.11	-2.00	2.10	1258.21

## EIXO 06 (0+0.000 - 92+5.002)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.70	1258.94	-2.00	1258.24	2.00	49+10.000			1258.20	1258.59	-0.39	2.00	1258.16	-2.00	2.11	1258.28
-2.91	1259.21	-2.00	1258.29	2.00	50+0.000			1258.25	1258.77	-0.52	2.00	1258.21	-2.00	2.23	1258.44
-2.81	1259.15	-2.00	1258.34	2.00	50+10.000			1258.30	1258.88	-0.57	2.00	1258.26	-2.00	2.31	1258.58
-2.72	1259.11	-2.00	1258.39	2.00	51+0.000			1258.35	1258.85	-0.49	2.00	1258.31	-2.00	2.31	1258.62
-2.68	1259.13	-2.00	1258.44	2.00	51+10.000			1258.40	1258.86	-0.46	2.00	1258.36	-2.00	2.27	1258.64
-2.87	1259.36	-2.00	1258.49	2.00	52+0.000			1258.45	1259.02	-0.56	2.00	1258.41	-2.00	2.29	1258.71
-2.74	1259.28	-2.00	1258.54	2.00	52+10.000			1258.50	1259.01	-0.51	2.00	1258.46	-2.00	2.26	1258.73
-2.61	1259.21	-2.00	1258.59	2.00	53+0.000			1258.55	1258.96	-0.41	2.00	1258.51	-2.00	2.25	1258.77
-2.59	1259.23	-2.00	1258.64	2.00	53+10.000			1258.60	1258.99	-0.38	2.00	1258.56	-2.00	2.25	1258.81
-2.58	1259.27	-2.00	1258.69	2.00	54+0.000			1258.65	1259.01	-0.36	2.00	1258.61	-2.00	2.25	1258.86
-2.53	1259.27	-2.00	1258.74	2.00	54+10.000			1258.70	1259.02	-0.31	2.00	1258.66	-2.00	2.24	1258.90
-2.56	1259.35	-2.00	1258.79	2.00	55+0.000			1258.75	1259.04	-0.29	2.00	1258.71	-2.00	2.24	1258.96
-2.64	1259.48	-2.00	1258.84	2.00	55+10.000			1258.80	1259.13	-0.33	2.00	1258.76	-2.00	2.22	1258.98
-2.67	1259.56	-2.00	1258.89	2.00	56+0.000			1258.85	1259.21	-0.35	2.00	1258.81	-2.00	2.20	1259.01
-2.74	1259.69	-2.00	1258.94	2.00	56+10.000			1258.90	1259.43	-0.52	2.00	1258.86	-2.00	2.34	1259.20
-2.84	1259.83	-2.00	1258.99	2.00	57+0.000			1258.95	1259.54	-0.59	2.00	1258.91	-2.00	2.43	1259.35
-3.02	1260.07	-2.00	1259.04	2.00	57+10.000			1259.00	1259.69	-0.69	2.00	1258.96	-2.00	2.46	1259.42
-3.18	1260.28	-2.00	1259.09	2.00	58+0.000			1259.05	1259.88	-0.83	2.00	1259.01	-2.00	2.53	1259.55
-3.37	1260.52	-2.00	1259.14	2.00	58+10.000			1259.10	1260.04	-0.93	2.00	1259.06	-2.00	2.55	1259.62
-3.46	1260.66	-2.00	1259.19	2.00	59+0.000			1259.15	1260.09	-0.93	2.00	1259.11	-2.00	2.55	1259.67
-3.14	1260.38	-2.00	1259.24	2.00	59+10.000			1259.20	1260.05	-0.85	2.00	1259.16	-2.00	2.48	1259.64

## EIXO 06 (0+0.000 - 92+5.002)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.84	1260.13	-2.00	1259.29	2.00	60+0.000		PCV	1259.25	1259.84	-0.59	2.00	1259.21	-2.00	2.38	1259.59
-2.87	1260.26	-2.00	1259.39	2.00	60+10.000			1259.35	1259.81	-0.46	2.00	1259.31	-2.00	2.21	1259.52
-2.89	1260.32	-2.00	1259.43	2.00	60+12.456	PC		1259.39	1259.87	-0.48	2.00	1259.35	-2.00	2.17	1259.53
-2.86	1260.35	-2.00	1259.48	2.00	60+15.000			1259.44	1259.90	-0.45	2.00	1259.40	-2.00	2.15	1259.56
-2.78	1260.31	-2.00	1259.53	2.00	60+17.093			1259.49	1259.87	-0.38	2.00	1259.45	-2.00	2.09	1259.55
-2.57	1260.18	-2.00	1259.61	2.00	61+0.000		PTV	1259.57	1259.78	-0.21	2.00	1259.53	-2.00	2.09	1259.47
-2.40	1260.06	-2.00	1259.66	2.00	61+1.729	PT		1259.62	1259.70	-0.08	2.00	1259.58	-2.00	2.17	1259.47
-2.22	1259.94	-2.00	1259.71	2.00	61+3.467	PC		1259.67	1259.61	0.07	2.00	1259.63	-2.00	2.26	1259.46
-2.09	1259.85	-2.00	1259.76	2.00	61+5.000			1259.72	1259.55	0.17	2.00	1259.68	-2.00	2.34	1259.45
-2.13	1259.77	-2.00	1259.85	2.00	61+8.103			1259.81	1259.57	0.25	2.00	1259.77	-2.00	2.47	1259.46
-2.22	1259.76	-2.00	1259.91	2.00	61+10.000			1259.87	1259.58	0.29	2.00	1259.83	-2.00	2.54	1259.47
-2.30	1259.79	-2.00	1259.99	2.00	61+12.740	PT		1259.95	1259.62	0.33	2.00	1259.91	-2.00	2.61	1259.50
-2.41	1259.94	-2.00	1260.21	2.00	62+0.000			1260.17	1259.74	0.43	2.00	1260.13	-2.00	2.77	1259.62
-2.44	1260.02	-2.00	1260.31	2.00	62+3.297	PC		1260.27	1259.80	0.46	2.00	1260.23	-2.00	2.83	1259.68
-2.45	1260.06	-2.00	1260.36	2.00	62+5.000			1260.32	1259.84	0.48	2.00	1260.28	-2.00	2.84	1259.72
-2.41	1260.17	-2.00	1260.45	2.00	62+7.934			1260.41	1259.92	0.49	2.00	1260.37	-2.00	2.84	1259.81
-2.35	1260.28	-2.00	1260.51	2.00	62+10.000			1260.47	1259.99	0.48	2.00	1260.43	-2.00	2.82	1259.88
-2.22	1260.44	-2.00	1260.59	2.00	62+12.570	PT		1260.55	1260.16	0.38	2.00	1260.51	-2.00	2.77	1259.99
-2.09	1260.58	-2.00	1260.64	2.00	62+14.308	PC		1260.60	1260.31	0.28	2.00	1260.56	-2.00	2.75	1260.06
-2.04	1260.64	-2.00	1260.66	2.00	62+15.000			1260.62	1260.37	0.25	2.00	1260.58	-2.00	2.75	1260.08
-2.20	1260.64	-2.00	1260.78	2.00	62+18.944			1260.74	1260.65	0.09	2.00	1260.70	-2.00	2.64	1260.27

## EIXO 06 (0+0.000 - 92+5.002)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.26	1260.63	-2.00	1260.81	2.00	63+0.000		PCV	1260.77	1260.60	0.17	2.00	1260.73	-2.00	2.61	1260.33
-2.30	1260.72	-2.00	1260.92	2.00	63+3.581	PT		1260.88	1260.56	0.31	2.00	1260.84	-2.00	2.60	1260.44
-2.53	1260.73	-2.00	1261.08	2.00	63+10.000			1261.04	1260.61	0.44	2.00	1261.00	-2.00	2.81	1260.46
-2.94	1260.61	-2.00	1261.24	2.00	64+0.000		PTV	1261.20	1260.62	0.58	2.00	1261.16	-2.00	2.74	1260.66
-2.30	1261.60	-2.00	1261.29	2.00	64+10.000		PCV	1261.25	1261.67	-0.41	2.00	1261.21	-2.00	2.49	1261.71
-2.15	1261.22	-2.00	1261.32	2.00	65+0.000			1261.28	1261.12	0.16	2.00	1261.24	-2.00	2.45	1260.94
-2.52	1260.96	-2.00	1261.30	2.00	65+5.090	PC		1261.26	1260.80	0.46	2.00	1261.22	-2.00	2.87	1260.64
-2.55	1260.92	-2.00	1261.29	2.00	65+7.044			1261.25	1260.77	0.47	2.00	1261.21	-2.00	2.90	1260.60
-2.55	1260.90	-2.00	1261.27	2.00	65+8.998	PT	PTV	1261.23	1260.75	0.48	2.00	1261.19	-2.00	2.91	1260.58
-2.55	1260.82	-2.00	1261.19	2.00	65+15.000			1261.15	1260.70	0.45	2.00	1261.11	-2.00	2.91	1260.50
-2.52	1260.84	-2.00	1261.18	2.00	65+15.378	PC		1261.14	1260.70	0.45	2.00	1261.10	-2.00	2.86	1260.53
-2.52	1260.80	-2.00	1261.15	2.00	65+17.332			1261.11	1260.67	0.45	2.00	1261.07	-2.00	2.84	1260.51
-2.50	1260.79	-2.00	1261.12	2.00	65+19.286	PT		1261.08	1260.63	0.46	2.00	1261.04	-2.00	2.85	1260.48
-2.50	1260.70	-2.00	1261.04	2.00	66+5.000			1261.00	1260.49	0.50	2.00	1260.96	-2.00	2.85	1260.39
-2.30	1260.76	-2.00	1260.96	2.00	66+10.000		PCV	1260.92	1260.52	0.40	2.00	1260.88	-2.00	2.85	1260.32
-2.02	1260.85	-2.00	1260.83	2.00	67+0.000			1260.79	1260.66	0.13	2.00	1260.75	-2.00	2.51	1260.41
-2.19	1260.95	-2.00	1260.75	2.00	67+10.000		PTV	1260.71	1260.73	-0.01	2.00	1260.67	-2.00	2.36	1260.44
-2.27	1260.98	-2.00	1260.71	2.00	68+0.000			1260.67	1260.70	-0.03	2.00	1260.63	-2.00	2.34	1260.41
-2.20	1260.87	-2.00	1260.67	2.00	68+10.000			1260.63	1260.63	0.00	2.00	1260.59	-2.00	2.32	1260.38
-2.33	1260.96	-2.00	1260.63	2.00	69+0.000			1260.59	1260.72	-0.13	2.00	1260.55	-2.00	2.07	1260.51
-2.47	1261.06	-2.00	1260.59	2.00	69+10.000			1260.55	1260.84	-0.29	2.00	1260.51	-2.00	2.14	1260.65

## EIXO 06 (0+0.000 - 92+5.002)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.54	1261.09	-2.00	1260.55	2.00	70+0.000			1260.51	1260.85	-0.34	2.00	1260.47	-2.00	2.17	1260.64
-2.51	1261.02	-2.00	1260.50	2.00	70+10.000			1260.46	1260.80	-0.34	2.00	1260.42	-2.00	2.17	1260.59
-2.71	1261.17	-2.00	1260.46	2.00	71+0.000			1260.42	1260.83	-0.41	2.00	1260.38	-2.00	2.18	1260.56
-2.51	1260.93	-2.00	1260.42	2.00	71+10.000			1260.38	1260.72	-0.34	2.00	1260.34	-2.00	2.20	1260.54
-2.61	1260.99	-2.00	1260.38	2.00	72+0.000			1260.34	1260.76	-0.42	2.00	1260.30	-2.00	2.26	1260.56
-2.69	1261.03	-2.00	1260.34	2.00	72+10.000			1260.30	1260.81	-0.51	2.00	1260.26	-2.00	2.36	1260.62
-2.83	1261.13	-2.00	1260.30	2.00	73+0.000			1260.26	1260.89	-0.63	2.00	1260.22	-2.00	2.46	1260.68
-2.89	1261.14	-2.00	1260.26	2.00	73+10.000			1260.22	1260.76	-0.54	2.00	1260.18	-2.00	2.37	1260.55
-2.96	1261.17	-2.00	1260.21	2.00	74+0.000			1260.17	1260.77	-0.60	2.00	1260.13	-2.00	2.33	1260.46
-2.82	1260.99	-2.00	1260.17	2.00	74+10.000			1260.13	1260.60	-0.46	2.00	1260.09	-2.00	2.20	1260.29
-2.66	1260.79	-2.00	1260.13	2.00	75+0.000		PCV	1260.09	1260.36	-0.27	2.00	1260.05	-2.00	2.17	1260.22
-2.80	1260.91	-2.00	1260.11	2.00	75+10.000			1260.07	1260.46	-0.39	2.00	1260.03	-2.00	2.19	1260.21
-2.86	1261.08	-2.00	1260.22	2.00	76+0.000		PTV	1260.18	1260.63	-0.45	2.00	1260.14	-2.00	2.15	1260.29
-2.82	1261.27	-2.00	1260.45	2.00	76+10.000			1260.41	1260.97	-0.56	2.00	1260.37	-2.00	2.25	1260.62
-2.59	1261.29	-2.00	1260.71	2.00	77+0.000			1260.67	1261.05	-0.39	2.00	1260.63	-2.00	2.22	1260.85
-2.48	1261.44	-2.00	1260.96	2.00	77+10.000		PCV	1260.92	1261.26	-0.34	2.00	1260.88	-2.00	2.32	1261.20
-2.51	1261.71	-2.00	1261.20	2.00	78+0.000			1261.16	1261.60	-0.44	2.00	1261.12	-2.00	2.51	1261.64
-2.53	1261.88	-2.00	1261.36	2.00	78+10.000		PTV	1261.32	1261.90	-0.58	2.00	1261.28	-2.00	2.63	1261.91
-2.54	1261.96	-2.00	1261.42	2.00	79+0.000			1261.38	1261.98	-0.60	2.00	1261.34	-2.00	2.65	1261.99
-2.55	1262.01	-2.00	1261.47	2.00	79+10.000			1261.43	1262.01	-0.58	2.00	1261.39	-2.00	2.62	1262.01
-2.15	1261.67	-2.00	1261.52	2.00	80+0.000			1261.48	1261.82	-0.34	2.00	1261.44	-2.00	2.56	1262.00

## EIXO 06 (0+0.000 - 92+5.002)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.49	1262.05	-2.00	1261.57	2.00	80+10.000			1261.53	1262.03	-0.50	2.00	1261.49	-2.00	2.55	1262.04
-2.56	1262.18	-2.00	1261.62	2.00	81+0.000			1261.58	1262.19	-0.62	2.00	1261.54	-2.00	2.67	1262.21
-2.58	1262.25	-2.00	1261.67	2.00	81+10.000			1261.63	1262.26	-0.63	2.00	1261.59	-2.00	2.69	1262.28
-2.61	1262.33	-2.00	1261.72	2.00	82+0.000			1261.68	1262.34	-0.66	2.00	1261.64	-2.00	2.71	1262.35
-2.64	1262.41	-2.00	1261.77	2.00	82+10.000			1261.73	1262.41	-0.69	2.00	1261.69	-2.00	2.73	1262.42
-2.76	1262.57	-2.00	1261.82	2.00	83+0.000			1261.78	1262.55	-0.77	2.00	1261.74	-2.00	2.78	1262.52
-2.74	1262.61	-2.00	1261.87	2.00	83+10.000			1261.83	1262.60	-0.77	2.00	1261.79	-2.00	2.81	1262.60
-2.74	1262.65	-2.00	1261.92	2.00	84+0.000			1261.88	1262.72	-0.84	2.00	1261.84	-2.00	2.87	1262.71
-2.71	1262.68	-2.00	1261.97	2.00	84+10.000			1261.93	1262.75	-0.82	2.00	1261.89	-2.00	2.81	1262.70
-2.17	1262.19	-2.00	1262.02	2.00	85+0.000			1261.98	1262.03	-0.05	2.00	1261.94	-2.00	2.02	1261.96
-2.13	1262.20	-2.00	1262.07	2.00	85+10.000			1262.03	1261.84	0.19	2.00	1261.99	-2.00	2.51	1261.65
-2.35	1262.46	-2.00	1262.12	2.00	86+0.000			1262.08	1261.90	0.18	2.00	1262.04	-2.00	2.20	1261.91
-2.17	1262.34	-2.00	1262.17	2.00	86+10.000			1262.13	1262.38	-0.25	2.00	1262.09	-2.00	2.36	1262.44
-2.70	1262.92	-2.00	1262.22	2.00	87+0.000			1262.18	1262.94	-0.76	2.00	1262.14	-2.00	2.83	1262.97
-2.59	1262.86	-2.00	1262.27	2.00	87+10.000			1262.23	1262.87	-0.64	2.00	1262.19	-2.00	2.70	1262.89
-2.58	1262.90	-2.00	1262.32	2.00	88+0.000			1262.28	1262.87	-0.59	2.00	1262.24	-2.00	2.61	1262.84
-2.47	1262.83	-2.00	1262.37	2.00	88+10.000			1262.33	1262.80	-0.47	2.00	1262.29	-2.00	2.48	1262.77
-2.40	1262.82	-2.00	1262.42	2.00	89+0.000			1262.38	1262.77	-0.39	2.00	1262.34	-2.00	2.37	1262.71
-2.32	1262.78	-2.00	1262.47	2.00	89+10.000			1262.43	1262.75	-0.33	2.00	1262.39	-2.00	2.34	1262.73
-2.25	1262.77	-2.00	1262.52	2.00	90+0.000			1262.48	1262.75	-0.27	2.00	1262.44	-2.00	2.29	1262.73
-2.18	1262.75	-2.00	1262.57	2.00	90+10.000			1262.53	1262.73	-0.20	2.00	1262.49	-2.00	2.22	1262.71

## EIXO 06 (0+0.000 - 92+5.002)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.15	1262.77	-2.00	1262.62	2.00	91+0.000			1262.58	1262.74	-0.16	2.00	1262.54	-2.00	2.20	1262.74
-2.17	1262.81	-2.00	1262.64	2.00	91+4.162	PC		1262.60	1262.80	-0.20	2.00	1262.56	-2.00	2.23	1262.79
-2.19	1262.83	-2.00	1262.64	2.00	91+5.000			1262.60	1262.81	-0.21	2.00	1262.56	-2.00	2.23	1262.80
-2.21	1262.87	-2.00	1262.66	2.00	91+8.058			1262.62	1262.84	-0.22	2.00	1262.58	-2.00	2.23	1262.81
-2.21	1262.88	-2.00	1262.67	2.00	91+10.000			1262.63	1262.85	-0.22	2.00	1262.59	-2.00	2.23	1262.81
-2.19	1262.87	-2.00	1262.68	2.00	91+11.953	PT		1262.64	1262.84	-0.20	2.00	1262.60	-2.00	2.21	1262.81
-2.18	1262.87	-2.00	1262.68	2.00	91+12.928	PC		1262.64	1262.83	-0.19	2.00	1262.60	-2.00	2.21	1262.81
-2.18	1262.87	-2.00	1262.69	2.00	91+15.000			1262.65	1262.85	-0.19	2.00	1262.61	-2.00	2.22	1262.84
-2.18	1262.88	-2.00	1262.70	2.00	91+16.465			1262.66	1262.85	-0.19	2.00	1262.62	-2.00	2.22	1262.84
-2.21	1262.93	-2.00	1262.72	2.00	92+0.000			1262.68	1262.92	-0.24	2.00	1262.64	-2.00	2.28	1262.92
-2.31	1263.06	-2.00	1262.74	2.00	92+5.002			1262.70	1263.06	-0.35	2.00	1262.66	-2.00	2.39	1263.05

## EIXO 07 (0+0.000 - 12+3.341)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.44	1263.04	-2.00	1262.60	2.00	0+0.000			1262.56	1263.02	-0.45	2.00	1262.52	-2.00	2.49	1263.01
-2.39	1262.97	-2.00	1262.58	2.00	0+5.000	PC		1262.54	1262.97	-0.43	2.00	1262.50	-2.00	2.45	1262.95



## EIXO 07 (0+0.000 - 12+3.341)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.39	1262.95	-2.00	1262.56	2.00	0+8.534			1262.52	1262.93	-0.41	2.00	1262.48	-2.00	2.42	1262.90
-2.39	1262.95	-2.00	1262.55	2.00	0+10.000			1262.51	1262.92	-0.41	2.00	1262.47	-2.00	2.43	1262.91
-2.40	1262.95	-2.00	1262.54	2.00	0+12.069	PT		1262.50	1262.92	-0.42	2.00	1262.46	-2.00	2.45	1262.91
-2.42	1262.95	-2.00	1262.53	2.00	0+14.209	PC		1262.49	1262.92	-0.43	2.00	1262.45	-2.00	2.46	1262.91
-2.42	1262.95	-2.00	1262.53	2.00	0+15.000			1262.49	1262.92	-0.43	2.00	1262.45	-2.00	2.47	1262.92
-2.43	1262.94	-2.00	1262.52	2.00	0+17.378			1262.48	1262.92	-0.44	2.00	1262.44	-2.00	2.48	1262.92
-2.39	1262.89	-2.00	1262.50	2.00	1+0.000			1262.46	1262.92	-0.46	2.00	1262.42	-2.00	2.50	1262.92
-2.39	1262.89	-2.00	1262.50	2.00	1+0.547	PT		1262.46	1262.92	-0.46	2.00	1262.42	-2.00	2.50	1262.92
-2.44	1262.89	-2.00	1262.45	2.00	1+10.000			1262.41	1262.92	-0.51	2.00	1262.37	-2.00	2.56	1262.93
-2.48	1262.88	-2.00	1262.40	2.00	2+0.000		PCV	1262.36	1262.91	-0.55	2.00	1262.32	-2.00	2.59	1262.91
-2.52	1262.87	-2.00	1262.35	2.00	2+10.000			1262.31	1262.91	-0.60	2.00	1262.27	-2.00	2.63	1262.90
-2.54	1262.86	-2.00	1262.32	2.00	3+0.000			1262.28	1262.90	-0.62	2.00	1262.24	-2.00	2.64	1262.88
-2.60	1262.91	-2.00	1262.31	2.00	3+10.000			1262.27	1262.92	-0.64	2.00	1262.23	-2.00	2.66	1262.89
-2.63	1262.96	-2.00	1262.33	2.00	4+0.000		PTV	1262.29	1262.97	-0.67	2.00	1262.25	-2.00	2.73	1262.99
-2.62	1262.99	-2.00	1262.38	2.00	4+10.000			1262.34	1263.03	-0.69	2.00	1262.30	-2.00	2.78	1263.07
-2.60	1263.03	-2.00	1262.43	2.00	5+0.000			1262.39	1263.08	-0.69	2.00	1262.35	-2.00	2.78	1263.13
-2.51	1262.99	-2.00	1262.48	2.00	5+10.000			1262.44	1262.97	-0.53	2.00	1262.40	-2.00	2.54	1262.94
-2.33	1262.86	-2.00	1262.53	2.00	6+0.000			1262.49	1262.82	-0.34	2.00	1262.45	-2.00	2.34	1262.79
-2.28	1262.86	-2.00	1262.58	2.00	6+10.000			1262.54	1262.82	-0.28	2.00	1262.50	-2.00	2.28	1262.77
-2.27	1262.90	-2.00	1262.63	2.00	7+0.000			1262.59	1262.86	-0.27	2.00	1262.55	-2.00	2.37	1262.92
-2.42	1263.10	-2.00	1262.68	2.00	7+10.000			1262.64	1263.17	-0.53	2.00	1262.60	-2.00	2.61	1263.21

## EIXO 07 (0+0.000 - 12+3.341)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.36	1263.09	-2.00	1262.73	2.00	8+0.000			1262.69	1263.17	-0.48	2.00	1262.65	-2.00	2.60	1263.25
-2.14	1262.92	-2.00	1262.78	2.00	8+10.000			1262.74	1263.07	-0.33	2.00	1262.70	-2.00	2.66	1263.36
-2.15	1262.98	-2.00	1262.83	2.00	9+0.000			1262.79	1263.04	-0.25	2.00	1262.75	-2.00	2.50	1263.26
-2.12	1263.00	-2.00	1262.88	2.00	9+10.000			1262.84	1263.06	-0.22	2.00	1262.80	-2.00	2.34	1263.14
-2.06	1262.99	-2.00	1262.93	2.00	10+0.000			1262.89	1263.06	-0.17	2.00	1262.85	-2.00	2.28	1263.13
-2.03	1262.96	-2.00	1262.98	2.00	10+10.000			1262.94	1263.04	-0.09	2.00	1262.90	-2.00	2.22	1263.12
-2.08	1262.98	-2.00	1263.03	2.00	11+0.000			1262.99	1263.06	-0.06	2.00	1262.95	-2.00	2.20	1263.16
-2.05	1263.03	-2.00	1263.07	2.00	11+6.558	PC		1263.03	1263.09	-0.06	2.00	1262.99	-2.00	2.23	1263.22
-2.49	1263.57	-2.00	1263.08	2.00	11+10.000			1263.04	1263.63	-0.58	2.00	1263.00	-2.00	2.27	1263.27
-2.42	1263.50	-2.00	1263.09	2.00	11+10.283			1263.05	1263.63	-0.58	2.00	1263.01	-2.00	2.27	1263.28
-2.34	1263.44	-2.00	1263.10	2.00	11+14.008	PT		1263.06	1263.53	-0.46	2.00	1263.02	-2.00	2.42	1263.44
-2.37	1263.51	-2.00	1263.14	2.00	12+0.000			1263.10	1263.58	-0.49	2.00	1263.06	-2.00	2.52	1263.58
-2.27	1263.42	-2.00	1263.15	2.00	12+3.341			1263.11	1263.50	-0.39	2.00	1263.07	-2.00	2.26	1263.33

## EIXO 08 (0+0.000 - 15+4.845)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.38	1264.03	-2.00	1263.65	2.00	0+0.000			1263.61	1264.04	-0.43	2.00	1263.57	-2.00	2.48	1264.05
-2.43	1264.06	-2.00	1263.63	2.00	0+4.703	PC		1263.59	1264.06	-0.47	2.00	1263.55	-2.00	2.52	1264.07
-2.43	1264.06	-2.00	1263.63	2.00	0+5.000			1263.59	1264.07	-0.48	2.00	1263.55	-2.00	2.52	1264.07
-2.46	1264.07	-2.00	1263.61	2.00	0+9.000			1263.57	1264.08	-0.51	2.00	1263.53	-2.00	2.56	1264.09
-2.47	1264.07	-2.00	1263.60	2.00	0+10.000			1263.56	1264.08	-0.52	2.00	1263.52	-2.00	2.57	1264.09
-2.44	1264.03	-2.00	1263.59	2.00	0+13.296	PCC		1263.55	1264.03	-0.48	2.00	1263.51	-2.00	2.53	1264.04
-2.42	1264.00	-2.00	1263.58	2.00	0+15.000			1263.54	1263.99	-0.45	2.00	1263.50	-2.00	2.67	1264.17
-2.44	1263.99	-2.00	1263.55	2.00	1+0.000			1263.51	1263.90	-0.39	2.00	1263.47	-2.00	3.07	1264.54
-2.39	1263.92	-2.00	1263.53	2.00	1+5.000			1263.49	1263.77	-0.28	2.00	1263.45	-2.00	2.51	1263.96
-2.24	1263.74	-2.00	1263.50	2.00	1+10.000			1263.46	1263.65	-0.19	2.00	1263.42	-2.00	2.42	1263.84
-2.24	1263.72	-2.00	1263.48	2.00	1+15.000			1263.44	1263.66	-0.22	2.00	1263.40	-2.00	2.17	1263.57
-2.33	1263.78	-2.00	1263.45	2.00	2+0.000			1263.41	1263.70	-0.28	2.00	1263.37	-2.00	2.18	1263.55
-2.42	1263.85	-2.00	1263.43	2.00	2+5.000			1263.39	1263.74	-0.35	2.00	1263.35	-2.00	2.26	1263.60
-2.51	1263.91	-2.00	1263.40	2.00	2+10.000			1263.36	1263.78	-0.42	2.00	1263.32	-2.00	2.33	1263.65
-2.60	1263.98	-2.00	1263.38	2.00	2+15.000			1263.34	1263.83	-0.49	2.00	1263.30	-2.00	2.40	1263.70
-2.67	1264.03	-2.00	1263.35	2.00	3+0.000			1263.31	1263.79	-0.47	2.00	1263.27	-2.00	2.31	1263.58
-2.71	1264.04	-2.00	1263.33	2.00	3+5.000			1263.29	1263.77	-0.48	2.00	1263.25	-2.00	2.32	1263.56
-2.76	1264.07	-2.00	1263.30	2.00	3+10.000			1263.26	1263.79	-0.52	2.00	1263.22	-2.00	2.33	1263.55
-2.83	1264.10	-2.00	1263.28	2.00	3+15.000			1263.24	1263.79	-0.55	2.00	1263.20	-2.00	2.23	1263.43
-2.87	1264.13	-2.00	1263.25	2.00	4+0.000			1263.21	1263.80	-0.58	2.00	1263.17	-2.00	2.22	1263.40
-2.90	1264.13	-2.00	1263.23	2.00	4+5.000			1263.19	1263.81	-0.62	2.00	1263.15	-2.00	2.44	1263.59

## EIXO 08 (0+0.000 - 15+4.845)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.90	1264.11	-2.00	1263.20	2.00	4+10.000			1263.16	1263.75	-0.58	2.00	1263.12	-2.00	2.46	1263.59
-2.89	1264.07	-2.00	1263.18	2.00	4+15.000			1263.14	1263.61	-0.47	2.00	1263.10	-2.00	2.37	1263.47
-2.82	1263.97	-2.00	1263.15	2.00	5+0.000			1263.11	1263.49	-0.38	2.00	1263.07	-2.00	2.27	1263.35
-2.82	1263.97	-2.00	1263.15	2.00	5+0.592			1263.11	1263.48	-0.37	2.00	1263.07	-2.00	2.26	1263.33
-2.89	1264.02	-2.00	1263.13	2.00	5+5.000			1263.09	1263.38	-0.30	2.00	1263.05	-2.00	2.21	1263.26
-2.94	1264.05	-2.00	1263.10	2.00	5+10.000			1263.06	1263.38	-0.32	2.00	1263.02	-2.00	2.24	1263.26
-2.99	1264.07	-2.00	1263.08	2.00	5+15.000		PCV	1263.04	1263.41	-0.37	2.00	1263.00	-2.00	2.29	1263.29
-3.08	1264.13	-2.00	1263.05	2.00	6+0.000			1263.01	1263.45	-0.43	2.00	1262.97	-2.00	2.33	1263.30
-3.16	1264.19	-2.00	1263.03	2.00	6+5.000			1262.99	1263.46	-0.46	2.00	1262.95	-2.00	2.34	1263.29
-3.25	1264.28	-2.00	1263.02	2.00	6+10.000			1262.98	1263.44	-0.46	2.00	1262.94	-2.00	2.35	1263.29
-3.36	1264.38	-2.00	1263.02	2.00	6+15.000			1262.98	1263.45	-0.47	2.00	1262.94	-2.00	2.39	1263.32
-3.22	1264.24	-2.00	1263.02	2.00	7+0.000			1262.98	1263.48	-0.50	2.00	1262.94	-2.00	2.42	1263.36
-3.23	1264.26	-2.00	1263.03	2.00	7+5.000			1262.99	1263.51	-0.52	2.00	1262.95	-2.00	2.44	1263.38
-3.23	1264.28	-2.00	1263.05	2.00	7+10.000			1263.01	1263.54	-0.54	2.00	1262.97	-2.00	2.45	1263.42
-3.24	1264.31	-2.00	1263.07	2.00	7+15.000		PTV	1263.03	1263.58	-0.55	2.00	1262.99	-2.00	2.46	1263.45
-3.04	1264.15	-2.00	1263.11	2.00	8+0.000			1263.07	1263.59	-0.52	2.00	1263.03	-2.00	2.44	1263.46
-2.95	1264.10	-2.00	1263.15	2.00	8+5.000			1263.11	1263.56	-0.45	2.00	1263.07	-2.00	2.39	1263.46
-2.96	1264.15	-2.00	1263.18	2.00	8+10.000			1263.14	1263.53	-0.39	2.00	1263.10	-2.00	2.34	1263.44
-3.04	1264.26	-2.00	1263.22	2.00	8+15.000			1263.18	1263.52	-0.34	2.00	1263.14	-2.00	2.28	1263.42
-3.05	1264.31	-2.00	1263.26	2.00	9+0.000			1263.22	1263.54	-0.32	2.00	1263.18	-2.00	2.24	1263.42
-3.03	1264.33	-2.00	1263.30	2.00	9+5.000			1263.26	1263.56	-0.31	2.00	1263.22	-2.00	2.20	1263.41

## EIXO 08 (0+0.000 - 15+4.845)

LADO ESQUERDO					EIXO							LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET		
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	
-3.03	1264.35	-2.00	1263.32	2.00	9+7.887	PT		1263.28	1263.58	-0.31	2.00	1263.24	-2.00	2.17	1263.41	
-3.04	1264.37	-2.00	1263.33	2.00	9+10.000			1263.29	1263.60	-0.31	2.00	1263.25	-2.00	2.16	1263.41	
-3.05	1264.46	-2.00	1263.41	2.00	10+0.000			1263.37	1263.68	-0.31	2.00	1263.33	-2.00	2.11	1263.44	
-3.04	1264.53	-2.00	1263.48	2.00	10+10.000			1263.44	1263.76	-0.32	2.00	1263.40	-2.00	2.12	1263.52	
-2.93	1264.49	-2.00	1263.56	2.00	11+0.000			1263.52	1263.85	-0.33	2.00	1263.48	-2.00	2.12	1263.60	
-2.81	1264.44	-2.00	1263.63	2.00	11+10.000			1263.59	1264.01	-0.42	2.00	1263.55	-2.00	2.16	1263.72	
-2.75	1264.46	-2.00	1263.71	2.00	12+0.000			1263.67	1264.09	-0.43	2.00	1263.63	-2.00	2.13	1263.76	
-2.42	1264.20	-2.00	1263.78	2.00	12+10.000			1263.74	1263.78	-0.03	2.00	1263.70	-2.00	2.06	1263.76	
-2.39	1264.25	-2.00	1263.86	2.00	13+0.000			1263.82	1263.96	-0.14	2.00	1263.78	-2.00	2.02	1263.80	
-2.49	1264.43	-2.00	1263.93	2.00	13+10.000			1263.89	1264.06	-0.17	2.00	1263.85	-2.00	2.07	1263.80	
-2.40	1264.41	-2.00	1264.01	2.00	14+0.000			1263.97	1264.20	-0.23	2.00	1263.93	-2.00	2.09	1264.01	
-2.45	1264.51	-2.00	1264.06	2.00	14+7.179	PC		1264.02	1264.42	-0.40	2.00	1263.98	-2.00	2.28	1264.26	
-2.39	1264.47	-2.00	1264.08	2.00	14+9.442			1264.04	1264.41	-0.37	2.00	1264.00	-2.00	2.31	1264.31	
-2.39	1264.47	-2.00	1264.08	2.00	14+10.000			1264.04	1264.40	-0.36	2.00	1264.00	-2.00	2.31	1264.32	
-2.25	1264.35	-2.00	1264.10	2.00	14+11.704	PT		1264.06	1264.38	-0.32	2.00	1264.02	-2.00	2.33	1264.35	
-2.26	1264.35	-2.00	1264.10	2.00	14+11.860	PC		1264.06	1264.38	-0.33	2.00	1264.02	-2.00	2.34	1264.36	
-2.26	1264.38	-2.00	1264.12	2.00	14+15.000			1264.08	1264.41	-0.33	2.00	1264.04	-2.00	2.39	1264.43	
-2.26	1264.38	-2.00	1264.12	2.00	14+15.352			1264.08	1264.41	-0.33	2.00	1264.04	-2.00	2.39	1264.44	
-2.22	1264.37	-2.00	1264.15	2.00	14+18.844	PT		1264.11	1264.41	-0.30	2.00	1264.07	-2.00	2.37	1264.44	
-2.20	1264.36	-2.00	1264.16	2.00	15+0.000			1264.12	1264.41	-0.29	2.00	1264.08	-2.00	2.36	1264.43	
-2.09	1264.28	-2.00	1264.19	2.00	15+4.845			1264.15	1264.33	-0.18	2.00	1264.11	-2.00	2.28	1264.39	

## EIXO 09 (0+0.000 - 33+17.996)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.69	1263.98	-2.00	1263.30	-2.00	0+0.000			1263.77	1264.05	-0.28	2.00	1263.38	2.00	2.71	1264.09
-2.79	1264.11	-2.00	1263.32	-2.00	0+3.304	PC		1263.79	1264.16	-0.37	2.00	1263.40	2.00	2.70	1264.10
-2.75	1264.07	-2.00	1263.32	-2.00	0+5.000			1263.79	1264.13	-0.34	2.00	1263.40	2.00	2.70	1264.10
-2.73	1264.06	-2.00	1263.33	-2.00	0+6.734			1263.80	1264.12	-0.32	2.00	1263.41	2.00	2.68	1264.10
-2.75	1264.10	-2.00	1263.35	-2.00	0+10.000			1263.82	1264.09	-0.28	2.00	1263.43	2.00	2.64	1264.07
-2.76	1264.11	-2.00	1263.35	-2.00	0+10.165	PCR		1263.82	1264.09	-0.27	2.00	1263.43	2.00	2.64	1264.07
-2.61	1263.98	-2.00	1263.37	-2.00	0+15.000			1263.84	1263.96	-0.12	2.00	1263.45	2.00	2.49	1263.95
-2.54	1263.94	-2.00	1263.40	-2.00	1+0.000			1263.87	1263.91	-0.04	2.00	1263.48	2.00	2.40	1263.87
-2.52	1263.94	-2.00	1263.42	-2.00	1+5.000			1263.89	1263.90	-0.01	2.00	1263.50	2.00	2.37	1263.87
-2.49	1263.94	-2.00	1263.45	-2.00	1+10.000			1263.92	1263.90	0.01	2.00	1263.53	2.00	2.34	1263.87
-2.47	1263.94	-2.00	1263.47	-2.00	1+15.000			1263.94	1263.91	0.04	2.00	1263.55	2.00	2.32	1263.87
-2.39	1263.89	-2.00	1263.50	-2.00	2+0.000			1263.97	1263.85	0.12	2.00	1263.58	2.00	2.27	1263.85
-2.31	1263.83	-2.00	1263.52	-2.00	2+5.000			1263.99	1263.85	0.15	2.00	1263.60	2.00	2.28	1263.88
-2.30	1263.84	-2.00	1263.55	-2.00	2+10.000			1264.02	1263.88	0.14	2.00	1263.63	2.00	2.29	1263.92
-2.26	1263.84	-2.00	1263.57	-2.00	2+15.000			1264.04	1263.88	0.16	2.00	1263.65	2.00	2.27	1263.92
-2.26	1263.85	-2.00	1263.60	-2.00	3+0.000			1264.07	1263.87	0.20	2.00	1263.68	2.00	2.23	1263.91
-2.25	1263.87	-2.00	1263.62	-2.00	3+5.000			1264.09	1263.88	0.21	2.00	1263.70	2.00	2.19	1263.90
-2.25	1263.87	-2.00	1263.63	-2.00	3+5.772			1264.10	1263.88	0.21	2.00	1263.71	2.00	2.19	1263.89
-2.23	1263.88	-2.00	1263.65	-2.00	3+10.000		PCV	1264.12	1263.89	0.23	2.00	1263.73	2.00	2.16	1263.89

## EIXO 09 (0+0.000 - 33+17.996)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.20	1263.87	-2.00	1263.67	-2.00	3+15.000			1264.14	1263.88	0.26	2.00	1263.75	2.00	2.10	1263.85
-2.19	1263.88	-2.00	1263.69	-2.00	4+0.000			1264.16	1263.88	0.27	2.00	1263.77	2.00	2.05	1263.82
-2.16	1263.85	-2.00	1263.69	-2.00	4+5.000			1264.16	1263.86	0.30	2.00	1263.77	2.00	2.04	1263.80
-2.13	1263.81	-2.00	1263.67	-2.00	4+10.000		PTV	1264.14	1263.81	0.33	2.00	1263.75	2.00	2.05	1263.80
-2.16	1263.81	-2.00	1263.65	-2.00	4+15.000			1264.12	1263.82	0.30	2.00	1263.73	2.00	2.06	1263.79
-2.21	1263.84	-2.00	1263.63	-2.00	5+0.000			1264.10	1263.85	0.25	2.00	1263.71	2.00	2.09	1263.79
-2.26	1263.86	-2.00	1263.60	-2.00	5+5.000			1264.07	1263.88	0.19	2.00	1263.68	2.00	2.12	1263.80
-2.30	1263.87	-2.00	1263.58	-2.00	5+10.000			1264.05	1263.87	0.18	2.00	1263.66	2.00	2.15	1263.80
-2.33	1263.88	-2.00	1263.55	-2.00	5+15.000			1264.02	1263.84	0.18	2.00	1263.63	2.00	2.15	1263.78
-2.34	1263.87	-2.00	1263.53	-2.00	6+0.000			1264.00	1263.90	0.09	2.00	1263.61	2.00	2.24	1263.84
-2.34	1263.86	-2.00	1263.52	-2.00	6+1.379	PT		1263.99	1263.91	0.08	2.00	1263.60	2.00	2.26	1263.86
-2.35	1263.83	-2.00	1263.48	-2.00	6+10.000			1263.95	1263.88	0.07	2.00	1263.56	2.00	2.37	1263.92
-2.37	1263.79	-2.00	1263.43	-2.00	7+0.000			1263.90	1263.84	0.06	2.00	1263.51	2.00	2.38	1263.88
-2.38	1263.76	-2.00	1263.38	-2.00	7+10.000			1263.85	1263.80	0.05	2.00	1263.46	2.00	2.38	1263.83
-2.40	1263.72	-2.00	1263.33	-2.00	8+0.000			1263.80	1263.76	0.03	2.00	1263.41	2.00	2.32	1263.72
-2.42	1263.69	-2.00	1263.28	-2.00	8+10.000			1263.75	1263.72	0.03	2.00	1263.36	2.00	2.28	1263.63
-2.48	1263.71	-2.00	1263.23	-2.00	9+0.000			1263.70	1263.71	-0.01	2.00	1263.31	2.00	2.31	1263.61
-2.49	1263.71	-2.00	1263.22	-2.00	9+0.846	PC		1263.69	1263.71	-0.02	2.00	1263.30	2.00	2.32	1263.62
-2.51	1263.71	-2.00	1263.20	-2.00	9+5.000			1263.67	1263.71	-0.04	2.00	1263.28	2.00	2.40	1263.68
-2.54	1263.72	-2.00	1263.18	-2.00	9+10.000			1263.65	1263.71	-0.07	2.00	1263.26	2.00	2.45	1263.71
-2.57	1263.72	-2.00	1263.15	-2.00	9+15.000			1263.62	1263.71	-0.09	2.00	1263.23	2.00	2.48	1263.71



## EIXO 09 (0+0.000 - 33+17.996)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.62	1263.74	-2.00	1263.13	-2.00	10+0.000			1263.60	1263.72	-0.13	2.00	1263.21	2.00	2.51	1263.72
-2.65	1263.76	-2.00	1263.11	-2.00	10+3.687			1263.58	1263.74	-0.16	2.00	1263.19	2.00	2.53	1263.72
-2.65	1263.75	-2.00	1263.10	-2.00	10+5.000			1263.57	1263.73	-0.16	2.00	1263.18	2.00	2.54	1263.72
-2.65	1263.72	-2.00	1263.08	-2.00	10+10.000			1263.55	1263.72	-0.17	2.00	1263.16	2.00	2.51	1263.66
-2.67	1263.72	-2.00	1263.05	-2.00	10+15.000			1263.52	1263.72	-0.20	2.00	1263.13	2.00	2.47	1263.60
-2.68	1263.71	-2.00	1263.03	-2.00	11+0.000			1263.50	1263.71	-0.22	2.00	1263.11	2.00	2.45	1263.55
-2.66	1263.66	-2.00	1263.00	-2.00	11+5.000			1263.47	1263.63	-0.16	2.00	1263.08	2.00	2.51	1263.59
-2.64	1263.63	-2.00	1262.99	-2.00	11+6.527	PCC		1263.46	1263.60	-0.13	2.00	1263.07	2.00	2.49	1263.56
-2.60	1263.57	-2.00	1262.98	-2.00	11+10.000			1263.45	1263.53	-0.08	2.00	1263.06	2.00	2.43	1263.49
-2.57	1263.53	-2.00	1262.96	-2.00	11+12.680			1263.43	1263.48	-0.05	2.00	1263.04	2.00	2.39	1263.44
-2.56	1263.51	-2.00	1262.95	-2.00	11+15.000			1263.42	1263.46	-0.04	2.00	1263.03	2.00	2.39	1263.42
-2.59	1263.52	-2.00	1262.93	-2.00	11+18.833	PT		1263.40	1263.47	-0.07	2.00	1263.01	2.00	2.42	1263.43
-2.60	1263.52	-2.00	1262.93	-2.00	11+19.118	PC		1263.40	1263.47	-0.07	2.00	1263.01	2.00	2.42	1263.43
-2.62	1263.55	-2.00	1262.93	-2.00	12+0.000			1263.40	1263.48	-0.08	2.00	1263.01	2.00	2.43	1263.43
-2.58	1263.48	-2.00	1262.90	-2.00	12+4.413			1263.37	1263.52	-0.14	2.00	1262.98	2.00	2.47	1263.46
-2.57	1263.47	-2.00	1262.90	-2.00	12+5.000			1263.37	1263.51	-0.14	2.00	1262.98	2.00	2.48	1263.46
-2.54	1263.42	-2.00	1262.88	-2.00	12+9.709	PCR		1263.35	1263.46	-0.11	2.00	1262.96	2.00	2.53	1263.49
-2.54	1263.41	-2.00	1262.88	-2.00	12+10.000			1263.35	1263.46	-0.11	2.00	1262.96	2.00	2.54	1263.49
-2.52	1263.37	-2.00	1262.85	-2.00	12+15.000			1263.32	1263.41	-0.09	2.00	1262.93	2.00	2.53	1263.46
-2.65	1263.48	-2.00	1262.83	-2.00	13+0.000			1263.30	1263.51	-0.21	2.00	1262.91	2.00	2.56	1263.46
-2.67	1263.47	-2.00	1262.80	-2.00	13+5.000			1263.27	1263.48	-0.21	2.00	1262.88	2.00	2.56	1263.44

## EIXO 09 (0+0.000 - 33+17.996)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.56	1263.34	-2.00	1262.78	-2.00	13+10.000			1263.25	1263.36	-0.11	2.00	1262.86	2.00	2.52	1263.37
-2.51	1263.27	-2.00	1262.76	-2.00	13+12.682			1263.23	1263.29	-0.06	2.00	1262.84	2.00	2.47	1263.31
-2.50	1263.25	-2.00	1262.75	-2.00	13+15.000			1263.22	1263.28	-0.06	2.00	1262.83	2.00	2.48	1263.31
-2.52	1263.24	-2.00	1262.73	-2.00	14+0.000			1263.20	1263.26	-0.07	2.00	1262.81	2.00	2.48	1263.29
-2.53	1263.23	-2.00	1262.70	-2.00	14+5.000			1263.17	1263.25	-0.08	2.00	1262.78	2.00	2.49	1263.27
-2.54	1263.21	-2.00	1262.68	-2.00	14+10.000			1263.15	1263.23	-0.08	2.00	1262.76	2.00	2.50	1263.25
-2.55	1263.20	-2.00	1262.65	-2.00	14+15.000			1263.12	1263.22	-0.10	2.00	1262.73	2.00	2.50	1263.23
-2.56	1263.20	-2.00	1262.65	-2.00	14+15.654	PCR		1263.12	1263.22	-0.10	2.00	1262.73	2.00	2.50	1263.23
-2.54	1263.16	-2.00	1262.63	-2.00	15+0.000			1263.10	1263.18	-0.09	2.00	1262.71	2.00	2.50	1263.21
-2.51	1263.12	-2.00	1262.61	-2.00	15+2.972			1263.08	1263.15	-0.07	2.00	1262.69	2.00	2.49	1263.18
-2.50	1263.10	-2.00	1262.60	-2.00	15+5.000			1263.07	1263.13	-0.06	2.00	1262.68	2.00	2.50	1263.18
-2.46	1263.03	-2.00	1262.58	-2.00	15+10.000			1263.05	1263.06	-0.01	2.00	1262.66	2.00	2.42	1263.08
-2.45	1263.02	-2.00	1262.57	-2.00	15+10.290	PT		1263.04	1263.05	0.00	2.00	1262.65	2.00	2.42	1263.07
-2.39	1262.96	-2.00	1262.57	-2.00	15+12.020	PC		1263.04	1262.98	0.05	2.00	1262.65	2.00	2.36	1263.00
-2.31	1262.86	-2.00	1262.55	-2.00	15+15.000			1263.02	1262.87	0.15	2.00	1262.63	2.00	2.25	1262.88
-2.17	1262.70	-2.00	1262.53	-2.00	16+0.000			1263.00	1262.67	0.32	2.00	1262.61	2.00	2.06	1262.66
-2.17	1262.69	-2.00	1262.52	-2.00	16+0.481			1262.99	1262.65	0.34	2.00	1262.60	2.00	2.04	1262.64
-2.17	1262.67	-2.00	1262.50	-2.00	16+5.000			1262.97	1262.53	0.44	2.00	1262.58	2.00	2.19	1262.45
-2.22	1262.70	-2.00	1262.48	-2.00	16+8.942	PCC		1262.95	1262.56	0.39	2.00	1262.56	2.00	2.22	1262.41
-2.24	1262.71	-2.00	1262.48	-2.00	16+10.000			1262.95	1262.56	0.38	2.00	1262.56	2.00	2.20	1262.42
-2.29	1262.74	-2.00	1262.45	-2.00	16+15.000			1262.92	1262.60	0.32	2.00	1262.53	2.00	2.10	1262.46

## EIXO 09 (0+0.000 - 33+17.996)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.28	1262.71	-2.00	1262.43	-2.00	17+0.000			1262.90	1262.63	0.27	2.00	1262.51	2.00		
-2.29	1262.69	-2.00	1262.40	-2.00	17+5.000			1262.87	1262.60	0.27	2.00	1262.48	2.00	2.05	1262.53
-2.34	1262.72	-2.00	1262.38	-2.00	17+10.000			1262.85	1262.63	0.21	2.00	1262.46	2.00	2.10	1262.56
-2.39	1262.75	-2.00	1262.36	-2.00	17+13.572			1262.83	1262.67	0.15	2.00	1262.44	2.00	2.16	1262.60
-2.36	1262.71	-2.00	1262.35	-2.00	17+15.000			1262.82	1262.69	0.13	2.00	1262.43	2.00	2.18	1262.61
-2.27	1262.59	-2.00	1262.33	-2.00	18+0.000			1262.80	1262.65	0.15	2.00	1262.41	2.00	2.26	1262.67
-2.29	1262.59	-2.00	1262.30	-2.00	18+5.000			1262.77	1262.62	0.15	2.00	1262.38	2.00	2.28	1262.66
-2.31	1262.59	-2.00	1262.28	-2.00	18+10.000		PCV	1262.75	1262.65	0.10	2.00	1262.36	2.00	2.33	1262.69
-2.29	1262.54	-2.00	1262.25	-2.00	18+15.000			1262.72	1262.64	0.08	2.00	1262.33	2.00	2.38	1262.71
-2.28	1262.51	-2.00	1262.23	-2.00	18+18.201	PT		1262.70	1262.61	0.09	2.00	1262.31	2.00	2.41	1262.72
-2.27	1262.49	-2.00	1262.22	-2.00	19+0.000			1262.69	1262.59	0.10	2.00	1262.30	2.00	2.40	1262.70
-2.28	1262.42	-2.00	1262.14	-2.00	19+10.000		PTV	1262.61	1262.54	0.07	2.00	1262.22	2.00	2.43	1262.65
-2.54	1262.58	-2.00	1262.04	-2.00	20+0.000			1262.51	1262.43	0.07	2.00	1262.12	2.00	2.47	1262.59
-2.29	1262.23	-2.00	1261.94	-2.00	20+10.000			1262.41	1262.36	0.05	2.00	1262.02	2.00	2.49	1262.50
-2.36	1262.19	-2.00	1261.84	-2.00	21+0.000			1262.31	1262.32	-0.01	2.00	1261.92	2.00	2.54	1262.46
-2.41	1262.14	-2.00	1261.74	-2.00	21+10.000			1262.21	1262.28	-0.08	2.00	1261.82	2.00	2.61	1262.43
-2.43	1262.06	-2.00	1261.64	-2.00	22+0.000			1262.11	1262.20	-0.10	2.00	1261.72	2.00	2.64	1262.35
-2.43	1261.96	-2.00	1261.53	-2.00	22+10.000		PCV	1262.00	1262.11	-0.10	2.00	1261.61	2.00	2.65	1262.26
-2.41	1261.85	-2.00	1261.44	-2.00	23+0.000			1261.91	1261.99	-0.08	2.00	1261.52	2.00	2.62	1262.14
-2.39	1261.76	-2.00	1261.37	-2.00	23+10.000		PTV	1261.84	1261.88	-0.04	2.00	1261.45	2.00	2.57	1262.02
-2.38	1261.68	-2.00	1261.31	-2.00	24+0.000			1261.78	1261.80	-0.03	2.00	1261.39	2.00	2.55	1261.94

## EIXO 09 (0+0.000 - 33+17.996)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.36	1261.60	-2.00	1261.24	-2.00	24+10.000			1261.71	1261.63	0.08	2.00	1261.32	2.00	2.51	1261.83
-2.32	1261.50	-2.00	1261.18	-2.00	25+0.000			1261.65	1261.56	0.09	2.00	1261.26	2.00	2.42	1261.67
-2.35	1261.46	-2.00	1261.11	-2.00	25+10.000			1261.58	1261.57	0.02	2.00	1261.19	2.00	2.49	1261.68
-2.32	1261.37	-2.00	1261.05	-2.00	26+0.000			1261.52	1261.48	0.04	2.00	1261.13	2.00	2.46	1261.59
-2.26	1261.25	-2.00	1260.98	-2.00	26+10.000			1261.45	1261.36	0.10	2.00	1261.06	2.00	2.41	1261.48
-2.22	1261.14	-2.00	1260.92	-2.00	27+0.000			1261.39	1261.26	0.12	2.00	1261.00	2.00	2.38	1261.38
-2.20	1261.08	-2.00	1260.88	-2.00	27+5.677	PC		1261.35	1261.22	0.13	2.00	1260.96	2.00	2.39	1261.35
-2.17	1261.02	-2.00	1260.86	-2.00	27+9.800			1261.33	1261.15	0.17	2.00	1260.94	2.00	2.36	1261.30
-2.16	1261.02	-2.00	1260.85	-2.00	27+10.000			1261.32	1261.15	0.18	2.00	1260.93	2.00	2.36	1261.29
-2.09	1260.92	-2.00	1260.83	-2.00	27+13.922	PT		1261.30	1261.03	0.27	2.00	1260.91	2.00	2.24	1261.15
-2.08	1260.91	-2.00	1260.83	-2.00	27+14.018	PC		1261.30	1261.03	0.27	2.00	1260.91	2.00	2.24	1261.15
-2.06	1260.88	-2.00	1260.82	-2.00	27+15.000			1261.29	1260.99	0.30	2.00	1260.90	2.00	2.22	1261.12
-2.08	1260.75	-2.00	1260.80	-2.00	27+18.069			1261.27	1260.85	0.42	2.00	1260.88	2.00	2.07	1260.95
-2.13	1260.70	-2.00	1260.79	-2.00	28+0.000			1261.26	1260.72	0.54	2.00	1260.87	2.00	2.05	1260.83
-2.14	1260.69	-2.00	1260.78	-2.00	28+2.119	PT		1261.25	1260.59	0.66	2.00	1260.86	2.00	2.19	1260.73
-2.18	1260.61	-2.00	1260.73	-2.00	28+10.000			1261.20	1260.49	0.70	2.00	1260.81	2.00	2.64	1260.38
-2.24	1260.50	-2.00	1260.66	-2.00	29+0.000			1261.13	1260.39	0.75	2.00	1260.74	2.00	2.71	1260.27
-2.30	1260.40	-2.00	1260.60	-2.00	29+10.000			1261.07	1260.28	0.79	2.00	1260.68	2.00	2.83	1260.13
-2.35	1260.30	-2.00	1260.53	-2.00	30+0.000			1261.00	1260.17	0.84	2.00	1260.61	2.00	2.93	1260.00
-2.42	1260.19	-2.00	1260.47	-2.00	30+10.000			1260.94	1260.04	0.90	2.00	1260.55	2.00	2.99	1259.89
-2.44	1260.11	-2.00	1260.40	-2.00	31+0.000			1260.87	1259.95	0.92	2.00	1260.48	2.00	3.04	1259.79

## EIXO 09 (0+0.000 - 33+17.996)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.45	1260.04	-2.00	1260.34	-2.00	31+10.000			1260.81	1259.88	0.93	2.00	1260.42	2.00	3.06	1259.71
-2.44	1259.98	-2.00	1260.28	-2.00	32+0.000			1260.75	1259.89	0.85	2.00	1260.36	2.00	3.11	1259.62
-2.13	1260.12	-2.00	1260.21	-2.00	32+10.000			1260.68	1259.91	0.77	2.00	1260.29	2.00	3.14	1259.53
-2.46	1259.84	-2.00	1260.15	-2.00	33+0.000			1260.62	1259.63	0.98	2.00	1260.23	2.00	3.17	1259.45
-2.39	1259.82	-2.00	1260.08	-2.00	33+10.000			1260.55	1259.55	1.00	2.00	1260.16	2.00	3.18	1259.38
-2.23	1259.88	-2.00	1260.03	-2.00	33+17.996			1260.50	1259.64	0.87	2.00	1260.11	2.00	2.72	1259.63

## EIXO 10 (0+0.000 - 10+11.823)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.03	1259.92	-2.00	1259.88	-2.00	0+0.000			1259.92	1259.51	0.42	2.00	1259.96	2.00	3.14	1259.20
		-2.00	1259.58	-2.00	0+10.000			1259.62	1259.37	0.26	2.00	1259.66	2.00	2.86	1259.09
-2.16	1259.44	-2.00	1259.28	-2.00	1+0.000			1259.32	1259.25	0.07	2.00	1259.36	2.00	2.51	1259.02
-2.37	1259.35	-2.00	1258.98	-2.00	1+10.000		PCV	1259.02	1259.13	-0.11	2.00	1259.06	2.00	2.18	1258.94
-2.55	1259.24	-2.00	1258.69	-2.00	2+0.000			1258.73	1259.01	-0.29	2.00	1258.77	2.00	2.06	1258.83
-2.63	1259.11	-2.00	1258.48	-2.00	2+10.000		PTV	1258.52	1258.89	-0.37	2.00	1258.56	2.00	2.15	1258.71
-2.59	1258.94	-2.00	1258.35	-2.00	3+0.000			1258.39	1258.75	-0.36	2.00	1258.43	2.00	2.16	1258.59

## EIXO 10 (0+0.000 - 10+11.823)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.54	1258.78	-2.00	1258.24	-2.00	3+10.000			1258.28	1258.59	-0.31	2.00	1258.32	2.00	2.12	1258.44
-2.56	1258.68	-2.00	1258.12	-2.00	4+0.000			1258.16	1258.47	-0.31	2.00	1258.20	2.00	2.09	1258.29
-2.54	1258.55	-2.00	1258.01	-2.00	4+10.000			1258.05	1258.32	-0.28	2.00	1258.09	2.00	2.05	1258.14
-2.70	1258.58	-2.00	1257.89	-2.00	5+0.000			1257.93	1258.21	-0.28	2.00	1257.97	2.00	2.02	1257.98
-2.75	1258.53	-2.00	1257.77	-2.00	5+10.000			1257.81	1258.12	-0.31	2.00	1257.85	2.00	2.02	1257.84
-2.64	1258.32	-2.00	1257.68	-2.00	5+18.282			1257.72	1257.94	-0.23	2.00	1257.76	2.00	2.13	1257.88
-2.62	1258.28	-2.00	1257.66	-2.00	6+0.000			1257.70	1257.91	-0.22	2.00	1257.74	2.00	2.16	1257.90
-2.52	1258.06	-2.00	1257.54	-2.00	6+10.000			1257.58	1257.73	-0.15	2.00	1257.62	2.00	2.37	1257.99
-2.33	1257.75	-2.00	1257.43	-2.00	7+0.000			1257.47	1257.86	-0.39	2.00	1257.51	2.00	2.68	1258.19
-2.34	1257.65	-2.00	1257.31	-2.00	7+10.000			1257.35	1257.92	-0.57	2.00	1257.39	2.00	2.61	1258.00
-2.47	1257.66	-2.00	1257.19	-2.00	8+0.000			1257.23	1257.74	-0.51	2.00	1257.27	2.00	2.56	1257.84
-2.33	1257.40	-2.00	1257.08	-2.00	8+10.000			1257.12	1257.62	-0.50	2.00	1257.16	2.00	2.55	1257.71
-2.24	1257.20	-2.00	1256.96	-2.00	9+0.000			1257.00	1257.48	-0.48	2.00	1257.04	2.00	2.55	1257.59
-2.33	1257.17	-2.00	1256.85	-2.00	9+10.000			1256.89	1257.21	-0.32	2.00	1256.93	2.00	2.54	1257.46
-2.50	1257.23	-2.00	1256.73	-2.00	10+0.000			1256.77	1257.15	-0.38	2.00	1256.81	2.00	2.53	1257.34
-2.64	1257.25	-2.00	1256.61	-2.00	10+10.000			1256.65	1257.09	-0.44	2.00	1256.69	2.00	2.52	1257.21
-2.46	1257.06	-2.00	1256.59	-2.00	10+11.823			1256.63	1257.08	-0.45	2.00	1256.67	2.00	2.36	1257.03

## EIXO 11 (0+0.000 - 48+3.763)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.25	1255.65	-2.00	1255.41	-2.00	0+0.000			1255.45	1255.85	-0.41	2.00	1255.49	2.00	2.27	1255.75
-2.38	1255.30	-2.00	1254.92	-2.00	0+9.210	PC		1254.96	1255.33	-0.37	2.00	1255.00	2.00	2.56	1255.55
-2.40	1255.27	-2.00	1254.88	-2.00	0+10.000			1254.92	1255.28	-0.37	2.00	1254.96	2.00	2.55	1255.51
-2.47	1255.09	-2.00	1254.61	-2.00	0+15.000		PCV	1254.65	1255.01	-0.36	2.00	1254.69	2.00	2.59	1255.28
-2.48	1255.08	-2.00	1254.61	-2.00	0+15.063			1254.65	1255.00	-0.36	2.00	1254.69	2.00	2.59	1255.28
-2.53	1254.89	-2.00	1254.37	-2.00	1+0.000			1254.41	1254.74	-0.34	2.00	1254.45	2.00	2.70	1255.14
-2.57	1254.90	-2.00	1254.33	-2.00	1+0.916	PT		1254.37	1254.70	-0.33	2.00	1254.41	2.00	2.71	1255.12
-2.57	1254.57	-2.00	1254.00	-2.00	1+10.000			1254.04	1254.37	-0.33	2.00	1254.08	2.00	2.79	1254.87
-2.56	1254.49	-2.00	1253.93	-2.00	1+12.926	PC		1253.97	1254.28	-0.32	2.00	1254.01	2.00	2.75	1254.75
-2.55	1254.43	-2.00	1253.88	-2.00	1+15.000		PTV	1253.92	1254.23	-0.30	2.00	1253.96	2.00	2.70	1254.66
-2.52	1254.34	-2.00	1253.82	-2.00	1+18.263			1253.86	1254.14	-0.28	2.00	1253.90	2.00	2.60	1254.50
-2.51	1254.30	-2.00	1253.78	-2.00	2+0.000			1253.82	1254.09	-0.27	2.00	1253.86	2.00	2.55	1254.41
-2.50	1254.22	-2.00	1253.71	-2.00	2+3.601	PT		1253.75	1253.99	-0.24	2.00	1253.79	2.00	2.42	1254.21
-2.58	1254.16	-2.00	1253.58	-2.00	2+10.000			1253.62	1253.84	-0.22	2.00	1253.66	2.00	2.17	1253.84
-2.74	1254.12	-2.00	1253.39	-2.00	3+0.000			1253.43	1253.76	-0.33	2.00	1253.47	2.00	2.15	1253.62
-2.88	1254.07	-2.00	1253.19	-2.00	3+10.000			1253.23	1253.69	-0.46	2.00	1253.27	2.00	2.17	1253.44
-2.90	1253.89	-2.00	1252.99	-2.00	4+0.000			1253.03	1253.54	-0.51	2.00	1253.07	2.00	2.21	1253.28
-2.91	1253.70	-2.00	1252.79	-2.00	4+10.000			1252.83	1253.35	-0.52	2.00	1252.87	2.00	2.21	1253.09
-2.94	1253.53	-2.00	1252.59	-2.00	5+0.000			1252.63	1253.18	-0.55	2.00	1252.67	2.00	2.24	1252.92
-2.87	1253.27	-2.00	1252.40	-2.00	5+10.000			1252.44	1252.96	-0.52	2.00	1252.48	2.00	2.24	1252.72
-2.81	1253.01	-2.00	1252.20	-2.00	6+0.000			1252.24	1252.73	-0.50	2.00	1252.28	2.00	2.22	1252.50



## EIXO 11 (0+0.000 - 48+3.763)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.58	1252.58	-2.00	1252.00	-2.00	6+10.000			1252.04	1252.43	-0.39	2.00	1252.08	2.00	2.20	1252.27
-2.78	1252.58	-2.00	1251.80	-2.00	7+0.000			1251.84	1252.27	-0.43	2.00	1251.88	2.00	2.20	1252.08
-2.66	1252.26	-2.00	1251.60	-2.00	7+10.000			1251.64	1252.09	-0.45	2.00	1251.68	2.00	2.21	1251.89
-2.37	1251.78	-2.00	1251.40	-2.00	8+0.000		PCV	1251.44	1251.69	-0.25	2.00	1251.48	2.00	2.20	1251.68
-2.25	1251.45	-2.00	1251.21	-2.00	8+10.000			1251.25	1251.45	-0.21	2.00	1251.29	2.00	2.21	1251.49
-2.48	1251.49	-2.00	1251.00	-2.00	9+0.000		PTV	1251.04	1251.36	-0.31	2.00	1251.08	2.00	2.22	1251.31
-2.82	1251.62	-2.00	1250.80	-2.00	9+10.000			1250.84	1251.41	-0.57	2.00	1250.88	2.00	2.26	1251.15
-2.96	1251.55	-2.00	1250.60	-2.00	10+0.000			1250.64	1251.21	-0.57	2.00	1250.68	2.00	2.26	1250.94
-2.91	1251.36	-2.00	1250.45	-2.00	10+7.358	PC		1250.49	1251.05	-0.56	2.00	1250.53	2.00	2.26	1250.79
-2.81	1251.21	-2.00	1250.40	-2.00	10+10.000			1250.44	1250.92	-0.49	2.00	1250.48	2.00	2.26	1250.74
-2.80	1251.18	-2.00	1250.39	-2.00	10+10.351			1250.43	1250.90	-0.48	2.00	1250.47	2.00	2.27	1250.74
-2.63	1250.95	-2.00	1250.33	-2.00	10+13.343	PT		1250.37	1250.76	-0.39	2.00	1250.41	2.00	2.40	1250.81
-2.52	1250.75	-2.00	1250.24	-2.00	10+17.781	PC		1250.28	1250.77	-0.49	2.00	1250.32	2.00	2.71	1251.03
-2.52	1250.71	-2.00	1250.19	-2.00	11+0.000			1250.23	1250.82	-0.59	2.00	1250.27	2.00	2.94	1251.21
-2.52	1250.70	-2.00	1250.18	-2.00	11+0.769			1250.22	1250.84	-0.62	2.00	1250.26	2.00	3.00	1251.25
-2.58	1250.69	-2.00	1250.12	-2.00	11+3.758	PT		1250.16	1250.87	-0.72	2.00	1250.20	2.00	3.07	1251.27
-2.73	1250.72	-2.00	1249.99	-2.00	11+10.000			1250.03	1250.91	-0.88	2.00	1250.07	2.00	3.04	1251.11
-2.86	1250.65	-2.00	1249.79	-2.00	12+0.000			1249.83	1250.87	-1.05	2.00	1249.87	2.00	3.22	1251.08
-2.94	1250.52	-2.00	1249.58	-2.00	12+10.000			1249.62	1250.68	-1.06	2.00	1249.66	2.00	3.20	1250.86
-2.76	1250.14	-2.00	1249.38	-2.00	13+0.000			1249.42	1250.35	-0.93	2.00	1249.46	2.00	3.12	1250.58
-2.58	1249.75	-2.00	1249.18	-2.00	13+10.000			1249.22	1249.89	-0.68	2.00	1249.26	2.00	3.05	1250.30

## EIXO 11 (0+0.000 - 48+3.763)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.44	1249.41	-2.00	1248.97	-2.00	14+0.000			1249.01	1249.68	-0.66	2.00	1249.05	2.00	3.05	1250.10
-2.41	1249.18	-2.00	1248.77	-2.00	14+10.000			1248.81	1249.24	-0.43	2.00	1248.85	2.00	3.08	1249.93
-2.45	1248.98	-2.00	1248.54	-2.00	15+0.000			1248.58	1249.17	-0.59	2.00	1248.62	2.00	3.16	1249.77
-2.66	1248.96	-2.00	1248.30	-2.00	15+10.000			1248.34	1249.21	-0.87	2.00	1248.38	2.00	3.12	1249.50
-2.48	1248.55	-2.00	1248.06	-2.00	16+0.000			1248.10	1248.75	-0.65	2.00	1248.14	2.00	3.12	1249.26
-2.30	1248.13	-2.00	1247.83	-2.00	16+10.000			1247.87	1248.28	-0.41	2.00	1247.91	2.00	2.99	1248.90
-2.31	1247.91	-2.00	1247.59	-2.00	17+0.000			1247.63	1248.09	-0.45	2.00	1247.67	2.00	3.12	1248.80
-2.37	1247.73	-2.00	1247.36	-2.00	17+10.000			1247.40	1247.91	-0.52	2.00	1247.44	2.00	3.04	1248.48
-2.65	1247.77	-2.00	1247.12	-2.00	18+0.000			1247.16	1247.84	-0.68	2.00	1247.20	2.00	3.14	1248.35
-2.83	1247.72	-2.00	1246.89	-2.00	18+10.000			1246.93	1247.78	-0.85	2.00	1246.97	2.00	3.28	1248.25
-2.46	1247.12	-2.00	1246.65	-2.00	19+0.000			1246.69	1247.22	-0.53	2.00	1246.73	2.00	3.29	1248.02
-2.37	1246.79	-2.00	1246.42	-2.00	19+10.000			1246.46	1246.95	-0.49	2.00	1246.50	2.00	3.29	1247.79
-2.38	1246.57	-2.00	1246.18	-2.00	20+0.000			1246.22	1246.68	-0.45	2.00	1246.26	2.00	3.21	1247.47
-2.27	1246.22	-2.00	1245.95	-2.00	20+10.000			1245.99	1246.44	-0.45	2.00	1246.03	2.00	3.27	1247.30
-2.26	1245.97	-2.00	1245.71	-2.00	21+0.000			1245.75	1246.20	-0.45	2.00	1245.79	2.00	3.34	1247.13
-2.25	1245.72	-2.00	1245.48	-2.00	21+10.000			1245.52	1246.04	-0.52	2.00	1245.56	2.00	3.20	1246.76
-2.35	1245.59	-2.00	1245.24	-2.00	22+0.000			1245.28	1245.97	-0.69	2.00	1245.32	2.00	3.21	1246.53
-2.34	1245.35	-2.00	1245.01	-2.00	22+10.000			1245.05	1245.76	-0.72	2.00	1245.09	2.00	3.26	1246.35
-2.28	1245.05	-2.00	1244.77	-2.00	23+0.000			1244.81	1245.43	-0.62	2.00	1244.85	2.00	3.34	1246.19
-2.29	1244.82	-2.00	1244.54	-2.00	23+10.000		PCV	1244.58	1245.20	-0.62	2.00	1244.62	2.00	3.28	1245.89
-2.28	1244.59	-2.00	1244.31	-2.00	24+0.000			1244.35	1244.94	-0.60	2.00	1244.39	2.00	3.23	1245.62

## EIXO 11 (0+0.000 - 48+3.763)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.25	1244.35	-2.00	1244.10	-2.00	24+10.000		PTV	1244.14	1244.68	-0.54	2.00	1244.18	2.00	3.17	1245.35
-2.24	1244.14	-2.00	1243.90	-2.00	25+0.000			1243.94	1244.44	-0.50	2.00	1243.98	2.00	3.08	1245.06
-2.26	1243.95	-2.00	1243.70	-2.00	25+10.000			1243.74	1244.20	-0.46	2.00	1243.78	2.00	3.01	1244.79
-2.31	1243.81	-2.00	1243.50	-2.00	26+0.000			1243.54	1244.05	-0.51	2.00	1243.58	2.00	3.06	1244.64
-2.29	1243.59	-2.00	1243.30	-2.00	26+10.000			1243.34	1243.87	-0.54	2.00	1243.38	2.00	2.96	1244.33
-2.28	1243.46	-2.00	1243.18	-2.00	26+15.830	PC		1243.22	1243.71	-0.49	2.00	1243.26	2.00	2.89	1244.15
-2.24	1243.33	-2.00	1243.09	-2.00	27+0.000			1243.13	1243.65	-0.51	2.00	1243.17	2.00	2.92	1244.10
-2.22	1243.22	-2.00	1242.99	-2.00	27+4.931			1243.03	1243.59	-0.55	2.00	1243.07	2.00	2.94	1244.01
-2.22	1243.21	-2.00	1242.99	-2.00	27+5.000			1243.03	1243.58	-0.55	2.00	1243.07	2.00	2.93	1244.01
-2.22	1243.11	-2.00	1242.89	-2.00	27+10.000			1242.93	1243.49	-0.55	2.00	1242.97	2.00	2.79	1243.76
-2.20	1243.01	-2.00	1242.81	-2.00	27+14.033	PT		1242.85	1243.38	-0.53	2.00	1242.89	2.00	2.74	1243.63
-2.13	1242.82	-2.00	1242.69	-2.00	28+0.000			1242.73	1243.18	-0.45	2.00	1242.77	2.00	2.67	1243.44
-2.15	1242.39	-2.00	1242.49	-2.00	28+10.000			1242.53	1242.81	-0.28	2.00	1242.57	2.00	2.56	1243.13
-2.10	1242.39	-2.00	1242.29	-2.00	29+0.000			1242.33	1242.52	-0.19	2.00	1242.37	2.00	2.47	1242.84
-2.29	1242.38	-2.00	1242.09	-2.00	29+10.000		PCV	1242.13	1242.52	-0.39	2.00	1242.17	2.00	2.48	1242.65
-2.36	1242.21	-2.00	1241.85	-2.00	30+0.000		PTV	1241.89	1242.34	-0.44	2.00	1241.93	2.00	2.49	1242.42
-2.42	1241.95	-2.00	1241.54	-2.00	30+10.000			1241.58	1242.05	-0.47	2.00	1241.62	2.00	2.52	1242.14
-2.42	1241.85	-2.00	1241.43	-2.00	30+13.454			1241.47	1241.94	-0.48	2.00	1241.51	2.00	2.53	1242.04
-2.40	1241.62	-2.00	1241.22	-2.00	31+0.000			1241.26	1241.69	-0.43	2.00	1241.30	2.00	2.42	1241.71
-2.41	1241.30	-2.00	1240.90	-2.00	31+10.000			1240.94	1241.40	-0.46	2.00	1240.98	2.00	2.54	1241.51
-2.39	1240.97	-2.00	1240.58	-2.00	32+0.000			1240.62	1241.06	-0.44	2.00	1240.66	2.00	2.51	1241.16

## EIXO 11 (0+0.000 - 48+3.763)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.49	1240.75	-2.00	1240.26	-2.00	32+10.000			1240.30	1240.70	-0.41	2.00	1240.34	2.00	2.39	1240.73
-2.49	1240.43	-2.00	1239.94	-2.00	33+0.000			1239.98	1240.35	-0.37	2.00	1240.02	2.00	2.48	1240.50
-2.48	1240.09	-2.00	1239.62	-2.00	33+10.000			1239.66	1240.09	-0.44	2.00	1239.70	2.00	2.58	1240.28
-3.58	1240.89	-2.00	1239.31	-1.50	34+0.000			1239.34	1239.69	-0.36	2.00	1239.37	1.50	2.51	1239.87
-3.38	1240.38	-2.00	1239.01	-0.50	34+10.000			1239.02	1239.39	-0.37	2.00	1239.03	0.50	2.55	1239.58
-4.15	1240.86	-2.00	1238.71	0.50	35+0.000			1238.70	1239.05	-0.35	2.00	1238.69	-0.50	2.52	1239.20
-2.73	1239.13	-2.00	1238.41	1.50	35+10.000			1238.38	1238.76	-0.38	2.00	1238.35	-1.50	2.51	1238.85
-2.89	1239.14	-2.00	1238.26	2.00	35+14.973	PC		1238.22	1238.64	-0.42	2.00	1238.18	-2.00	2.55	1238.73
-2.89	1239.15	-2.00	1238.26	2.00	35+15.000			1238.22	1238.64	-0.42	2.00	1238.18	-2.00	2.56	1238.73
-2.89	1238.98	-2.00	1238.10	2.00	36+0.000			1238.06	1238.50	-0.44	2.00	1238.02	-2.00	2.51	1238.53
-2.74	1238.67	-2.00	1237.94	2.00	36+5.000			1237.90	1238.34	-0.44	2.00	1237.86	-2.00	2.52	1238.37
-2.59	1238.37	-2.00	1237.78	2.00	36+10.000			1237.74	1238.16	-0.43	2.00	1237.70	-2.00	2.51	1238.21
-2.68	1238.29	-2.00	1237.62	2.00	36+15.000			1237.58	1238.00	-0.42	2.00	1237.54	-2.00	2.49	1238.02
-2.69	1238.28	-2.00	1237.60	2.00	36+15.576			1237.56	1237.98	-0.43	2.00	1237.52	-2.00	2.48	1238.00
-2.73	1238.18	-2.00	1237.45	2.00	37+0.000		PCV	1237.41	1237.88	-0.47	2.00	1237.37	-2.00	2.45	1237.82
-2.89	1238.19	-2.00	1237.30	2.00	37+5.000			1237.26	1237.71	-0.45	2.00	1237.22	-2.00	2.37	1237.58
-3.19	1238.34	-2.00	1237.15	2.00	37+10.000			1237.11	1237.62	-0.51	2.00	1237.07	-2.00	2.32	1237.39
-3.36	1238.38	-2.00	1237.02	2.00	37+15.000			1236.98	1237.61	-0.63	2.00	1236.94	-2.00	2.46	1237.40
-3.34	1238.33	-2.00	1236.99	2.00	37+16.179	PCR		1236.95	1237.61	-0.66	2.00	1236.91	-2.00	2.47	1237.38
-3.29	1238.19	-2.00	1236.91	2.00	38+0.000		PTV	1236.87	1237.58	-0.71	2.00	1236.83	-2.00	2.46	1237.29
-3.23	1238.03	-2.00	1236.80	2.00	38+5.000			1236.76	1237.41	-0.65	2.00	1236.72	-2.00	2.56	1237.28

## EIXO 11 (0+0.000 - 48+3.763)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-3.13	1237.83	-2.00	1236.71	2.00	38+10.000			1236.67	1237.33	-0.66	2.00	1236.63	-2.00	2.56	1237.19
-3.10	1237.79	-2.00	1236.69	2.00	38+10.786			1236.65	1237.32	-0.67	2.00	1236.61	-2.00	2.56	1237.17
-2.97	1237.57	-2.00	1236.61	2.00	38+15.000			1236.57	1237.23	-0.67	2.00	1236.53	-2.00	2.54	1237.06
-2.83	1237.34	-2.00	1236.51	2.00	39+0.000			1236.47	1237.10	-0.63	2.00	1236.43	-2.00	2.50	1236.92
-2.74	1237.15	-2.00	1236.41	2.00	39+5.000			1236.37	1237.00	-0.63	2.00	1236.33	-2.00	2.50	1236.83
-2.74	1237.14	-2.00	1236.40	2.00	39+5.394	PT		1236.36	1236.99	-0.63	2.00	1236.32	-2.00	2.50	1236.82
-2.72	1237.03	-2.00	1236.31	2.00	39+10.000		PCV	1236.27	1236.92	-0.65	2.00	1236.23	-2.00	2.46	1236.69
-2.77	1236.87	-2.00	1236.10	2.00	40+0.000			1236.06	1236.76	-0.70	2.00	1236.02	-2.00	2.39	1236.41
-2.86	1236.68	-2.00	1235.82	2.00	40+10.000		PTV	1235.78	1236.44	-0.66	2.00	1235.74	-2.00	2.37	1236.11
-2.90	1236.37	-2.00	1235.47	2.00	41+0.000		PCV	1235.43	1236.07	-0.64	2.00	1235.39	-2.00	2.41	1235.80
-2.97	1236.09	-2.00	1235.12	2.00	41+10.000			1235.08	1235.69	-0.60	2.00	1235.04	-2.00	2.43	1235.47
-3.11	1235.91	-2.00	1234.81	2.00	42+0.000		PTV	1234.77	1235.26	-0.50	2.00	1234.73	-2.00	2.45	1235.17
-3.26	1235.76	-2.00	1234.50	2.00	42+10.000			1234.46	1234.84	-0.38	2.00	1234.42	-2.00	2.43	1234.85
-3.33	1235.53	-2.00	1234.20	2.00	43+0.000			1234.16	1234.50	-0.34	2.00	1234.12	-2.00	2.39	1234.51
-3.13	1235.02	-2.00	1233.89	2.00	43+10.000			1233.85	1234.18	-0.33	2.00	1233.81	-2.00	2.37	1234.18
-2.87	1234.45	-2.00	1233.58	2.00	44+0.000			1233.54	1233.86	-0.32	2.00	1233.50	-2.00	2.35	1233.86
-2.93	1234.21	-2.00	1233.28	2.00	44+10.000			1233.24	1233.58	-0.34	2.00	1233.20	-2.00	2.37	1233.57
-2.93	1233.90	-2.00	1232.97	2.00	45+0.000			1232.93	1233.33	-0.39	2.00	1232.89	-2.00	2.40	1233.29
-2.60	1233.27	-2.00	1232.67	2.00	45+10.000		PCV	1232.63	1233.06	-0.43	2.00	1232.59	-2.00	2.42	1233.01
-2.41	1232.82	-2.00	1232.41	2.00	45+18.817	PC		1232.37	1232.79	-0.42	2.00	1232.33	-2.00	2.44	1232.77
-2.40	1232.78	-2.00	1232.38	2.00	46+0.000			1232.34	1232.75	-0.41	2.00	1232.30	-2.00	2.43	1232.73

## EIXO 11 (0+0.000 - 48+3.763)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.39	1232.71	-2.00	1232.32	2.00	46+2.361			1232.28	1232.69	-0.40	2.00	1232.24	-2.00	2.42	1232.66
-2.38	1232.65	-2.00	1232.27	2.00	46+5.000			1232.23	1232.63	-0.39	2.00	1232.19	-2.00	2.41	1232.60
-2.38	1232.63	-2.00	1232.26	2.00	46+5.906	PT		1232.22	1232.61	-0.39	2.00	1232.18	-2.00	2.40	1232.58
-2.34	1232.53	-2.00	1232.19	2.00	46+10.000			1232.15	1232.51	-0.36	2.00	1232.11	-2.00	2.37	1232.48
-2.32	1232.49	-2.00	1232.17	2.00	46+11.873	PC		1232.13	1232.47	-0.33	2.00	1232.09	-2.00	2.35	1232.44
-2.31	1232.46	-2.00	1232.15	2.00	46+15.000		PTV	1232.11	1232.41	-0.30	2.00	1232.07	-2.00	2.29	1232.36
-2.31	1232.46	-2.00	1232.14	2.00	46+15.214			1232.10	1232.41	-0.30	2.00	1232.06	-2.00	2.29	1232.35
-2.36	1232.48	-2.00	1232.12	2.00	46+18.556	PT		1232.08	1232.42	-0.34	2.00	1232.04	-2.00	2.32	1232.36
-2.38	1232.50	-2.00	1232.11	2.00	47+0.000			1232.07	1232.45	-0.38	2.00	1232.03	-2.00	2.36	1232.39
-2.43	1232.47	-2.00	1232.05	2.00	47+10.000			1232.01	1232.47	-0.46	2.00	1231.97	-2.00	2.46	1232.42
-2.34	1232.38	-2.00	1232.04	2.00	47+11.694	PC		1232.00	1232.48	-0.48	2.00	1231.96	-2.00	2.45	1232.40
-2.49	1232.51	-2.00	1232.02	2.00	47+15.000			1231.98	1232.46	-0.49	2.00	1231.94	-2.00	2.46	1232.40
-2.49	1232.50	-2.00	1232.01	2.00	47+15.228			1231.97	1232.46	-0.49	2.00	1231.93	-2.00	2.46	1232.40
-2.40	1232.39	-2.00	1231.99	2.00	47+18.763	PT		1231.95	1232.37	-0.42	2.00	1231.91	-2.00	2.45	1232.36
-2.37	1232.35	-2.00	1231.98	2.00	48+0.000			1231.94	1232.33	-0.39	2.00	1231.90	-2.00	2.42	1232.32
-2.32	1232.28	-2.00	1231.96	2.00	48+3.763			1231.92	1232.25	-0.34	2.00	1231.88	-2.00	2.35	1232.23

## EIXO 12 (0+0.000 - 30+19.547)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.03	1231.40	-2.00	1231.37	-2.00	0+0.000			1231.41	1231.43	-0.02	2.00	1231.45	2.00	2.01	1231.45
-2.01	1231.18	-2.00	1231.18	-2.00	0+5.000	PC		1231.22	1231.21	0.02	2.00	1231.26	2.00	2.04	1231.24
-2.08	1231.00	-2.00	1231.05	-2.00	0+8.534			1231.09	1231.09	0.00	2.00	1231.13	2.00	2.04	1231.17
-2.04	1230.97	-2.00	1231.00	-2.00	0+10.000			1231.04	1231.07	-0.03	2.00	1231.08	2.00	2.08	1231.16
-2.06	1230.98	-2.00	1230.92	-2.00	0+12.069	PT		1230.96	1231.07	-0.11	2.00	1231.00	2.00	2.17	1231.17
-2.12	1231.00	-2.00	1230.87	-2.00	0+13.316	PC		1230.91	1231.09	-0.18	2.00	1230.95	2.00	2.24	1231.19
-2.19	1231.00	-2.00	1230.81	-2.00	0+15.000			1230.85	1231.09	-0.24	2.00	1230.89	2.00	2.30	1231.19
-2.23	1230.98	-2.00	1230.75	-2.00	0+16.766			1230.79	1231.06	-0.28	2.00	1230.83	2.00	2.32	1231.15
-2.30	1230.92	-2.00	1230.63	-2.00	1+0.000			1230.67	1230.95	-0.28	2.00	1230.71	2.00	2.27	1230.98
-2.30	1230.92	-2.00	1230.62	-2.00	1+0.217	PT		1230.66	1230.94	-0.28	2.00	1230.70	2.00	2.26	1230.96
-2.24	1230.50	-2.00	1230.26	-2.00	1+10.000			1230.30	1230.52	-0.22	2.00	1230.34	2.00	2.21	1230.54
-2.19	1230.07	-2.00	1229.89	-2.00	2+0.000			1229.93	1230.09	-0.17	2.00	1229.97	2.00	2.15	1230.12
-2.26	1229.78	-2.00	1229.52	-2.00	2+10.000		PCV	1229.56	1229.81	-0.25	2.00	1229.60	2.00	2.23	1229.83
-2.40	1229.55	-2.00	1229.15	-2.00	3+0.000			1229.19	1229.58	-0.39	2.00	1229.23	2.00	2.37	1229.60
-2.48	1229.28	-2.00	1228.80	-2.00	3+10.000		PTV	1228.84	1229.28	-0.44	2.00	1228.88	2.00	2.40	1229.28
-2.49	1228.96	-2.00	1228.47	-2.00	4+0.000			1228.51	1228.95	-0.44	2.00	1228.55	2.00	2.39	1228.94
-2.50	1228.63	-2.00	1228.13	-2.00	4+10.000			1228.17	1228.60	-0.43	2.00	1228.21	2.00	2.36	1228.57
-2.48	1228.28	-2.00	1227.80	-2.00	5+0.000			1227.84	1228.23	-0.39	2.00	1227.88	2.00	2.30	1228.18
-2.46	1227.92	-2.00	1227.46	-2.00	5+10.000			1227.50	1227.90	-0.40	2.00	1227.54	2.00	2.31	1227.85
-2.42	1227.55	-2.00	1227.13	-2.00	6+0.000			1227.17	1227.57	-0.40	2.00	1227.21	2.00	2.32	1227.53
-2.44	1227.23	-2.00	1226.79	-2.00	6+10.000		PCV	1226.83	1227.25	-0.42	2.00	1226.87	2.00	2.39	1227.26

## EIXO 12 (0+0.000 - 30+19.547)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.49	1226.94	-2.00	1226.45	-2.00	7+0.000			1226.49	1226.93	-0.44	2.00	1226.53	2.00	2.40	1226.93
-2.52	1226.61	-2.00	1226.10	-2.00	7+10.000		PTV	1226.14	1226.59	-0.45	2.00	1226.18	2.00	2.45	1226.63
-2.50	1226.24	-2.00	1225.74	-2.00	8+0.000			1225.78	1226.20	-0.42	2.00	1225.82	2.00	2.45	1226.27
-2.45	1225.84	-2.00	1225.39	-2.00	8+10.000			1225.43	1225.81	-0.39	2.00	1225.47	2.00	2.46	1225.93
-2.51	1225.54	-2.00	1225.03	-2.00	9+0.000			1225.07	1225.46	-0.39	2.00	1225.11	2.00	2.60	1225.71
-2.49	1225.16	-2.00	1224.67	-2.00	9+10.000			1224.71	1225.09	-0.37	2.00	1224.75	2.00	2.66	1225.41
-2.46	1224.91	-2.00	1224.45	-2.00	9+16.318	PC		1224.49	1224.87	-0.39	2.00	1224.53	2.00	2.74	1225.27
-2.45	1224.76	-2.00	1224.31	-2.00	10+0.000			1224.35	1224.78	-0.42	2.00	1224.39	2.00	2.78	1225.17
-2.44	1224.67	-2.00	1224.23	-2.00	10+2.478			1224.27	1224.70	-0.44	2.00	1224.31	2.00	2.79	1225.10
-2.42	1224.56	-2.00	1224.14	-2.00	10+5.000			1224.18	1224.62	-0.44	2.00	1224.22	2.00	2.80	1225.02
-2.42	1224.43	-2.00	1224.01	-2.00	10+8.638	PT		1224.05	1224.47	-0.42	2.00	1224.09	2.00	2.76	1224.85
-2.43	1224.39	-2.00	1223.96	-2.00	10+10.000			1224.00	1224.39	-0.40	2.00	1224.04	2.00	2.74	1224.77
-2.51	1224.11	-2.00	1223.60	-2.00	11+0.000			1223.64	1223.99	-0.35	2.00	1223.68	2.00	2.53	1224.21
-2.54	1223.79	-2.00	1223.24	-2.00	11+10.000			1223.28	1223.67	-0.39	2.00	1223.32	2.00	2.60	1223.92
-2.47	1223.41	-2.00	1222.93	-2.00	11+18.681	PC		1222.97	1223.39	-0.41	2.00	1223.01	2.00	2.48	1223.49
-2.45	1223.34	-2.00	1222.89	-2.00	12+0.000		PCV	1222.93	1223.34	-0.42	2.00	1222.97	2.00	2.45	1223.41
-2.47	1223.18	-2.00	1222.72	-2.00	12+5.000			1222.76	1223.21	-0.45	2.00	1222.80	2.00	2.44	1223.24
-2.47	1223.06	-2.00	1222.59	-2.00	12+10.000			1222.63	1223.09	-0.46	2.00	1222.67	2.00	2.45	1223.12
-2.44	1222.94	-2.00	1222.50	-2.00	12+15.000			1222.54	1222.99	-0.45	2.00	1222.58	2.00	2.46	1223.03
-2.44	1222.93	-2.00	1222.49	-2.00	12+15.300			1222.53	1222.98	-0.45	2.00	1222.57	2.00	2.46	1223.03
-2.41	1222.85	-2.00	1222.45	-2.00	13+0.000		PTV	1222.49	1222.90	-0.42	2.00	1222.53	2.00	2.46	1222.98



## EIXO 12 (0+0.000 - 30+19.547)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.37	1222.79	-2.00	1222.42	-2.00	13+5.000			1222.46	1222.88	-0.41	2.00	1222.50	2.00	2.47	1222.98
-2.28	1222.69	-2.00	1222.41	-2.00	13+10.000			1222.45	1222.84	-0.39	2.00	1222.49	2.00	2.58	1223.07
-2.25	1222.65	-2.00	1222.40	-2.00	13+11.918	PT	PCV	1222.44	1222.85	-0.41	2.00	1222.48	2.00	2.60	1223.08
-2.29	1222.68	-2.00	1222.39	-2.00	13+15.053	PC		1222.43	1222.89	-0.46	2.00	1222.47	2.00	2.66	1223.12
-2.33	1222.68	-2.00	1222.35	-2.00	14+0.000			1222.39	1222.89	-0.50	2.00	1222.43	2.00	2.70	1223.13
-2.32	1222.59	-2.00	1222.27	-2.00	14+5.000			1222.31	1222.78	-0.47	2.00	1222.35	2.00	2.65	1223.00
-2.25	1222.40	-2.00	1222.15	-2.00	14+10.000			1222.19	1222.57	-0.37	2.00	1222.23	2.00	2.52	1222.75
-2.24	1222.37	-2.00	1222.13	-2.00	14+10.761			1222.17	1222.53	-0.36	2.00	1222.21	2.00	2.49	1222.70
-2.25	1222.24	-2.00	1222.00	-2.00	14+15.000		PTV	1222.04	1222.26	-0.23	2.00	1222.08	2.00	2.32	1222.40
-2.31	1222.13	-2.00	1221.82	-2.00	15+0.000			1221.86	1222.11	-0.25	2.00	1221.90	2.00	2.20	1222.09
-2.34	1221.98	-2.00	1221.64	-2.00	15+5.000			1221.68	1221.94	-0.27	2.00	1221.72	2.00	2.19	1221.91
-2.36	1221.94	-2.00	1221.59	-2.00	15+6.469	PT		1221.63	1221.90	-0.27	2.00	1221.67	2.00	2.19	1221.86
-2.38	1221.84	-2.00	1221.46	-2.00	15+10.000			1221.50	1221.79	-0.30	2.00	1221.54	2.00	2.21	1221.75
-2.46	1221.56	-2.00	1221.10	-2.00	16+0.000			1221.14	1221.55	-0.40	2.00	1221.18	2.00	2.35	1221.53
-2.52	1221.26	-2.00	1220.75	-2.00	16+10.000			1220.79	1221.34	-0.56	2.00	1220.83	2.00	2.52	1221.34
-2.50	1220.89	-2.00	1220.39	-2.00	17+0.000			1220.43	1221.02	-0.59	2.00	1220.47	2.00	2.65	1221.11
-2.47	1220.50	-2.00	1220.03	-2.00	17+10.000			1220.07	1220.63	-0.56	2.00	1220.11	2.00	2.66	1220.78
-2.44	1220.12	-2.00	1219.67	-2.00	18+0.000			1219.71	1220.23	-0.52	2.00	1219.75	2.00	2.61	1220.36
-2.45	1219.77	-2.00	1219.32	-2.00	18+10.000			1219.36	1219.92	-0.57	2.00	1219.40	2.00	2.65	1220.05
-2.42	1219.38	-2.00	1218.96	-2.00	19+0.000			1219.00	1219.55	-0.55	2.00	1219.04	2.00	2.70	1219.74
-2.31	1218.91	-2.00	1218.60	-2.00	19+10.000			1218.64	1219.07	-0.42	2.00	1218.68	2.00	2.57	1219.25

## EIXO 12 (0+0.000 - 30+19.547)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.25	1218.49	-2.00	1218.25	-2.00	20+0.000			1218.29	1218.63	-0.35	2.00	1218.33	2.00	2.57	1218.90
-2.11	1218.00	-2.00	1217.89	-2.00	20+10.000			1217.93	1218.19	-0.26	2.00	1217.97	2.00	2.55	1218.52
-2.04	1217.51	-2.00	1217.53	-2.00	21+0.000			1217.57	1217.75	-0.18	2.00	1217.61	2.00	2.56	1218.17
-2.02	1217.16	-2.00	1217.18	-2.00	21+10.000			1217.22	1217.52	-0.31	2.00	1217.26	2.00	2.78	1218.03
-2.03	1217.15	-2.00	1217.11	-2.00	21+11.787	PC		1217.15	1217.51	-0.36	2.00	1217.19	2.00	2.83	1218.02
-2.10	1217.15	-2.00	1217.05	-2.00	21+13.485			1217.09	1217.52	-0.43	2.00	1217.13	2.00	2.91	1218.04
-2.20	1217.20	-2.00	1217.00	-2.00	21+15.000			1217.04	1217.58	-0.54	2.00	1217.08	2.00	2.96	1218.03
-2.22	1217.21	-2.00	1216.99	-2.00	21+15.183	PT		1217.03	1217.59	-0.56	2.00	1217.07	2.00	2.96	1218.03
-2.35	1217.27	-2.00	1216.92	-2.00	21+17.086	PC		1216.96	1217.61	-0.64	2.00	1217.00	2.00	3.10	1218.10
-2.39	1217.25	-2.00	1216.86	-2.00	21+18.739			1216.90	1217.59	-0.68	2.00	1216.94	2.00	3.09	1218.04
-2.40	1217.22	-2.00	1216.82	-2.00	22+0.000			1216.86	1217.55	-0.69	2.00	1216.90	2.00	3.05	1217.95
-2.40	1217.20	-2.00	1216.80	-2.00	22+0.393	PT		1216.84	1217.53	-0.69	2.00	1216.88	2.00	3.04	1217.93
-2.35	1216.96	-2.00	1216.62	-2.00	22+5.643	PC		1216.66	1217.28	-0.63	2.00	1216.70	2.00	3.03	1217.73
-2.35	1216.91	-2.00	1216.55	-2.00	22+7.444			1216.59	1217.19	-0.59	2.00	1216.63	2.00	3.10	1217.73
-2.38	1216.87	-2.00	1216.49	-2.00	22+9.246	PT		1216.53	1217.03	-0.50	2.00	1216.57	2.00	3.00	1217.57
-2.39	1216.82	-2.00	1216.43	-2.00	22+10.993	PC		1216.47	1216.87	-0.40	2.00	1216.51	2.00	2.85	1217.36
-2.39	1216.75	-2.00	1216.36	-2.00	22+12.749			1216.40	1216.79	-0.38	2.00	1216.44	2.00	2.79	1217.23
-2.37	1216.67	-2.00	1216.30	-2.00	22+14.506	PT		1216.34	1216.71	-0.37	2.00	1216.38	2.00	2.77	1217.16
-2.31	1216.41	-2.00	1216.10	-2.00	23+0.000			1216.14	1216.44	-0.30	2.00	1216.18	2.00	2.74	1216.92
-2.19	1215.93	-2.00	1215.75	-2.00	23+10.000			1215.79	1215.96	-0.18	2.00	1215.83	2.00	2.73	1216.55
-2.15	1215.54	-2.00	1215.39	-2.00	24+0.000			1215.43	1215.64	-0.21	2.00	1215.47	2.00	2.74	1216.22

## EIXO 12 (0+0.000 - 30+19.547)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.26	1215.29	-2.00	1215.03	-2.00	24+10.000			1215.07	1215.42	-0.34	2.00	1215.11	2.00	2.79	1215.91
-2.43	1215.11	-2.00	1214.68	-2.00	25+0.000			1214.72	1215.14	-0.43	2.00	1214.76	2.00	2.93	1215.69
-2.37	1214.69	-2.00	1214.32	-2.00	25+10.000			1214.36	1214.76	-0.40	2.00	1214.40	2.00	2.92	1215.32
-2.31	1214.27	-2.00	1213.96	-2.00	26+0.000			1214.00	1214.39	-0.38	2.00	1214.04	2.00	2.90	1214.94
-2.29	1213.90	-2.00	1213.61	-2.00	26+10.000			1213.65	1214.04	-0.40	2.00	1213.69	2.00	2.89	1214.58
-2.27	1213.52	-2.00	1213.25	-2.00	27+0.000			1213.29	1213.70	-0.41	2.00	1213.33	2.00	2.89	1214.22
-2.23	1213.12	-2.00	1212.89	-2.00	27+10.000			1212.93	1213.24	-0.31	2.00	1212.97	2.00	2.71	1213.68
-2.21	1212.74	-2.00	1212.54	-2.00	28+0.000			1212.58	1212.88	-0.30	2.00	1212.62	2.00	2.50	1213.12
-2.19	1212.37	-2.00	1212.18	-2.00	28+10.000			1212.22	1212.54	-0.32	2.00	1212.26	2.00	2.51	1212.77
-2.22	1212.04	-2.00	1211.82	-2.00	29+0.000			1211.86	1212.21	-0.35	2.00	1211.90	2.00	2.53	1212.43
-2.27	1211.73	-2.00	1211.46	-2.00	29+10.000		PCV	1211.50	1211.89	-0.39	2.00	1211.54	2.00	2.52	1212.07
-2.29	1211.45	-2.00	1211.16	-2.00	30+0.000			1211.20	1211.58	-0.38	2.00	1211.24	2.00	2.48	1211.72
-2.30	1211.30	-2.00	1211.00	-2.00	30+10.000		PTV	1211.04	1211.42	-0.38	2.00	1211.08	2.00	2.49	1211.58
-2.45	1211.40	-2.00	1210.95	-2.00	30+19.547			1210.99	1211.44	-0.44	2.00	1211.03	2.00	2.41	1211.45

## EIXO 13 (0+0.000 - 29+4.398)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.02	1210.55	-2.00	1210.53	-2.00	0+0.000			1210.57	1210.68	-0.11	2.00	1210.61	2.00	2.29	1210.90
-2.44	1209.64	-2.00	1209.93	-2.00	0+10.000		PCV	1209.97	1209.50	0.47	2.00	1210.01	2.00	2.14	1210.15
-2.64	1208.94	-2.00	1209.37	-2.00	1+0.000			1209.41	1209.15	0.26	2.00	1209.45	2.00	2.45	1209.90
-2.67	1208.43	-2.00	1208.88	-2.00	1+10.000		PTV	1208.92	1209.00	-0.08	2.00	1208.96	2.00	2.72	1209.67
-2.48	1208.10	-2.00	1208.42	-2.00	2+0.000			1208.46	1208.79	-0.33	2.00	1208.50	2.00	2.77	1209.27
-2.49	1207.64	-2.00	1207.96	-2.00	2+10.000			1208.00	1208.32	-0.32	2.00	1208.04	2.00	2.82	1208.86
-2.21	1207.72	-2.00	1207.51	-2.00	3+0.000			1207.55	1207.86	-0.31	2.00	1207.59	2.00	2.96	1208.55
-2.32	1207.37	-2.00	1207.05	-2.00	3+10.000		PCV	1207.09	1207.50	-0.41	2.00	1207.13	2.00	3.09	1208.22
-2.21	1206.83	-2.00	1206.62	-2.00	4+0.000			1206.66	1207.18	-0.52	2.00	1206.70	2.00	2.96	1207.66
-2.21	1206.83	-2.00	1206.61	-2.00	4+0.152	PC		1206.65	1207.18	-0.53	2.00	1206.69	2.00	2.96	1207.65
-2.26	1206.74	-2.00	1206.48	-2.00	4+3.493			1206.52	1206.86	-0.34	2.00	1206.56	2.00	2.98	1207.54
-2.30	1206.72	-2.00	1206.42	-2.00	4+5.000			1206.46	1206.61	-0.14	2.00	1206.50	2.00	2.84	1207.34
-2.36	1206.71	-2.00	1206.35	-2.00	4+6.833	PT		1206.39	1206.48	-0.09	2.00	1206.43	2.00	2.43	1206.86
-2.48	1206.71	-2.00	1206.24	-2.00	4+10.000		PTV	1206.28	1206.48	-0.20	2.00	1206.32	2.00	2.06	1206.28
-2.57	1206.72	-2.00	1206.14	-2.00	4+12.616	PC		1206.18	1206.47	-0.29	2.00	1206.22	2.00	2.05	1206.27
-2.62	1206.68	-2.00	1206.06	-2.00	4+15.000			1206.10	1206.44	-0.34	2.00	1206.14	2.00	2.10	1206.24
-2.66	1206.68	-2.00	1206.03	-2.00	4+15.927			1206.07	1206.41	-0.34	2.00	1206.11	2.00	2.11	1206.22
-2.68	1206.59	-2.00	1205.91	-2.00	4+19.238	PT		1205.95	1206.31	-0.36	2.00	1205.99	2.00	2.11	1206.10
-2.68	1206.56	-2.00	1205.88	-2.00	5+0.000			1205.92	1206.28	-0.36	2.00	1205.96	2.00	2.10	1206.06
-2.66	1206.19	-2.00	1205.52	-2.00	5+10.000			1205.56	1205.89	-0.33	2.00	1205.60	2.00	2.06	1205.67
-2.65	1205.82	-2.00	1205.17	-2.00	6+0.000			1205.21	1205.56	-0.36	2.00	1205.25	2.00	2.07	1205.32

## EIXO 13 (0+0.000 - 29+4.398)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.62	1205.43	-2.00	1204.81	-2.00	6+10.000			1204.85	1205.23	-0.38	2.00	1204.89	2.00	2.16	1205.05
-2.54	1205.00	-2.00	1204.45	-2.00	7+0.000			1204.49	1204.88	-0.38	2.00	1204.53	2.00	2.24	1204.78
-2.61	1204.70	-2.00	1204.10	-2.00	7+10.000			1204.14	1204.62	-0.48	2.00	1204.18	2.00	2.37	1204.54
-2.65	1204.39	-2.00	1203.74	-2.00	8+0.000			1203.78	1204.50	-0.72	2.00	1203.82	2.00	2.74	1204.56
-2.54	1203.92	-2.00	1203.38	-2.00	8+10.000			1203.42	1203.81	-0.39	2.00	1203.46	2.00	2.45	1203.91
-2.49	1203.52	-2.00	1203.02	-2.00	9+0.000			1203.06	1203.47	-0.41	2.00	1203.10	2.00	2.39	1203.49
-2.56	1203.23	-2.00	1202.67	-2.00	9+10.000			1202.71	1203.26	-0.55	2.00	1202.75	2.00	2.59	1203.34
-2.58	1202.89	-2.00	1202.31	-2.00	10+0.000			1202.35	1202.86	-0.51	2.00	1202.39	2.00	2.49	1202.88
-2.55	1202.50	-2.00	1201.95	-2.00	10+10.000			1201.99	1202.50	-0.50	2.00	1202.03	2.00	2.46	1202.49
-2.60	1202.20	-2.00	1201.60	-2.00	11+0.000			1201.64	1202.19	-0.56	2.00	1201.68	2.00	2.51	1202.19
-2.66	1201.90	-2.00	1201.24	-2.00	11+10.000			1201.28	1201.89	-0.61	2.00	1201.32	2.00	2.56	1201.88
-2.72	1201.60	-2.00	1200.88	-2.00	12+0.000			1200.92	1201.59	-0.66	2.00	1200.96	2.00	2.59	1201.55
-2.75	1201.28	-2.00	1200.53	-2.00	12+10.000			1200.57	1201.24	-0.67	2.00	1200.61	2.00	2.52	1201.13
-2.75	1200.91	-2.00	1200.17	-2.00	13+0.000			1200.21	1200.88	-0.67	2.00	1200.25	2.00	2.58	1200.83
-2.56	1200.37	-2.00	1199.81	-2.00	13+10.000			1199.85	1200.33	-0.48	2.00	1199.89	2.00	2.41	1200.30
-2.76	1200.21	-2.00	1199.45	-2.00	14+0.000			1199.49	1200.12	-0.62	2.00	1199.53	2.00	2.49	1200.03
-2.68	1199.78	-2.00	1199.10	-2.00	14+10.000			1199.14	1199.65	-0.51	2.00	1199.18	2.00	2.36	1199.54
-2.59	1199.33	-2.00	1198.74	-2.00	15+0.000			1198.78	1199.19	-0.40	2.00	1198.82	2.00	2.29	1199.11
-2.77	1199.15	-2.00	1198.38	-2.00	15+10.000			1198.42	1199.06	-0.64	2.00	1198.46	2.00	2.55	1199.01
-2.67	1198.70	-2.00	1198.03	-2.00	16+0.000		PCV	1198.07	1198.66	-0.60	2.00	1198.11	2.00	2.52	1198.62
-2.64	1198.52	-2.00	1197.88	-2.00	16+4.173	PC		1197.92	1198.48	-0.56	2.00	1197.96	2.00	2.48	1198.44

## EIXO 13 (0+0.000 - 29+4.398)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.62	1198.47	-2.00	1197.85	-2.00	16+5.000			1197.89	1198.44	-0.55	2.00	1197.93	2.00	2.48	1198.41
-2.61	1198.43	-2.00	1197.83	-2.00	16+5.630			1197.87	1198.41	-0.54	2.00	1197.91	2.00	2.48	1198.39
-2.57	1198.35	-2.00	1197.78	-2.00	16+7.087	PT		1197.82	1198.34	-0.52	2.00	1197.86	2.00	2.48	1198.33
-2.55	1198.22	-2.00	1197.68	-2.00	16+10.000			1197.72	1198.20	-0.49	2.00	1197.76	2.00	2.44	1198.20
-2.51	1198.02	-2.00	1197.52	-2.00	16+14.592	PC		1197.56	1198.00	-0.44	2.00	1197.60	2.00	2.39	1197.98
-2.51	1198.01	-2.00	1197.51	-2.00	16+15.000			1197.55	1197.99	-0.44	2.00	1197.59	2.00	2.38	1197.96
-2.51	1197.98	-2.00	1197.47	-2.00	16+16.049			1197.51	1197.94	-0.43	2.00	1197.55	2.00	2.36	1197.91
-2.51	1197.93	-2.00	1197.42	-2.00	16+17.507	PT		1197.46	1197.88	-0.42	2.00	1197.50	2.00	2.33	1197.83
-2.50	1197.83	-2.00	1197.34	-2.00	17+0.000		PTV	1197.38	1197.78	-0.40	2.00	1197.42	2.00	2.32	1197.74
-2.49	1197.50	-2.00	1197.01	-2.00	17+10.000			1197.05	1197.39	-0.34	2.00	1197.09	2.00	2.40	1197.48
-2.53	1197.21	-2.00	1196.68	-2.00	18+0.000			1196.72	1197.04	-0.32	2.00	1196.76	2.00	2.42	1197.18
-2.53	1196.88	-2.00	1196.35	-2.00	18+10.000			1196.39	1196.80	-0.42	2.00	1196.43	2.00	2.37	1196.80
-2.69	1196.71	-2.00	1196.02	-2.00	19+0.000			1196.06	1196.62	-0.56	2.00	1196.10	2.00	2.44	1196.54
-2.61	1196.30	-2.00	1195.69	-2.00	19+10.000			1195.73	1196.21	-0.49	2.00	1195.77	2.00	2.39	1196.16
-2.21	1195.57	-2.00	1195.36	-2.00	20+0.000			1195.40	1195.59	-0.20	2.00	1195.44	2.00	2.54	1195.98
-2.19	1195.22	-2.00	1195.03	-2.00	20+10.000			1195.07	1195.31	-0.24	2.00	1195.11	2.00	2.60	1195.71
-2.53	1195.23	-2.00	1194.70	-2.00	21+0.000			1194.74	1195.03	-0.29	2.00	1194.78	2.00	2.56	1195.34
-2.81	1195.18	-2.00	1194.37	-2.00	21+10.000			1194.41	1195.04	-0.63	2.00	1194.45	2.00	2.50	1194.95
-2.71	1194.75	-2.00	1194.04	-2.00	22+0.000			1194.08	1194.69	-0.61	2.00	1194.12	2.00	2.54	1194.66
-2.49	1194.20	-2.00	1193.71	-2.00	22+10.000			1193.75	1194.17	-0.43	2.00	1193.79	2.00	2.42	1194.21
-2.31	1193.69	-2.00	1193.38	-2.00	23+0.000			1193.42	1193.66	-0.24	2.00	1193.46	2.00	2.43	1193.89

## EIXO 13 (0+0.000 - 29+4.398)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.39	1193.44	-2.00	1193.05	-2.00	23+10.000			1193.09	1193.31	-0.22	2.00	1193.13	2.00	2.45	1193.57
-2.34	1193.06	-2.00	1192.72	-2.00	24+0.000			1192.76	1193.17	-0.41	2.00	1192.80	2.00	2.49	1193.29
-2.57	1192.95	-2.00	1192.39	-2.00	24+10.000			1192.43	1193.05	-0.62	2.00	1192.47	2.00	2.71	1193.18
-2.84	1192.90	-2.00	1192.06	-2.00	25+0.000			1192.10	1192.94	-0.84	2.00	1192.14	2.00	2.94	1193.08
-2.92	1192.65	-2.00	1191.73	-2.00	25+10.000			1191.77	1192.83	-1.06	2.00	1191.81	2.00	3.17	1192.98
-2.78	1192.44	-2.00	1191.66	-2.00	25+12.179	PC		1191.70	1192.75	-1.05	2.00	1191.74	2.00	3.20	1192.94
-2.97	1192.53	-2.00	1191.56	-2.00	25+15.000			1191.60	1192.56	-0.96	2.00	1191.64	2.00	3.21	1192.85
-2.84	1192.24	-2.00	1191.40	-2.00	26+0.000			1191.44	1192.28	-0.84	2.00	1191.48	2.00	3.07	1192.54
-2.67	1191.90	-2.00	1191.23	-2.00	26+5.000		PCV	1191.27	1192.01	-0.74	2.00	1191.31	2.00	2.92	1192.24
-2.68	1191.75	-2.00	1191.08	-2.00	26+10.000			1191.12	1191.78	-0.66	2.00	1191.16	2.00	2.81	1191.97
-2.64	1191.59	-2.00	1190.96	-2.00	26+15.000			1191.00	1191.51	-0.51	2.00	1191.04	2.00	2.66	1191.70
-2.49	1191.36	-2.00	1190.87	-2.00	27+0.000			1190.91	1191.22	-0.31	2.00	1190.95	2.00	2.52	1191.47
-2.48	1191.34	-2.00	1190.87	-2.00	27+0.515			1190.91	1191.20	-0.29	2.00	1190.95	2.00	2.50	1191.45
-2.36	1191.19	-2.00	1190.82	-2.00	27+5.000		PTV	1190.86	1191.24	-0.38	2.00	1190.90	2.00	2.51	1191.41
-2.32	1191.11	-2.00	1190.80	-2.00	27+10.000			1190.84	1191.22	-0.39	2.00	1190.88	2.00	2.36	1191.24
-2.27	1191.04	-2.00	1190.77	-2.00	27+15.000			1190.81	1191.05	-0.24	2.00	1190.85	2.00	2.22	1191.07
-2.13	1190.88	-2.00	1190.75	-2.00	28+0.000			1190.79	1190.89	-0.10	2.00	1190.83	2.00	2.08	1190.91
-2.01	1190.71	-2.00	1190.72	-2.00	28+5.000			1190.76	1190.77	0.00	2.00	1190.80	2.00	2.02	1190.83
-2.09	1190.64	-2.00	1190.70	-2.00	28+8.850	PCC		1190.74	1190.70	0.04	2.00	1190.78	2.00	2.03	1190.76
-2.12	1190.62	-2.00	1190.70	-2.00	28+10.000			1190.74	1190.69	0.05	2.00	1190.78	2.00	2.02	1190.76
-2.12	1190.62	-2.00	1190.69	-2.00	28+11.228			1190.73	1190.68	0.05	2.00	1190.77	2.00	2.01	1190.78

## EIXO 13 (0+0.000 - 29+4.398)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.26	1190.51	-2.00	1190.68	-2.00	28+13.605	PT		1190.72	1190.75	-0.03	2.00	1190.76	2.00	2.10	1190.86
-2.03	1190.65	-2.00	1190.67	-2.00	28+14.719	PC		1190.71	1190.83	-0.12	2.00	1190.75	2.00	2.19	1190.94
		-2.00	1190.67	-2.00	28+15.000			1190.71	1190.85	-0.14	2.00	1190.75	2.00	2.22	1190.97
-2.08	1190.74	-2.00	1190.66	-2.00	28+17.059			1190.70	1190.96	-0.26	2.00	1190.74	2.00	2.46	1191.20
-2.09	1190.74	-2.00	1190.65	-2.00	28+19.398	PCR		1190.69	1191.00	-0.31	2.00	1190.73	2.00	2.58	1191.31
-2.07	1190.72	-2.00	1190.65	-2.00	29+0.000			1190.69	1191.00	-0.31	2.00	1190.73	2.00	2.57	1191.30
-2.01	1190.65	-2.00	1190.64	-2.00	29+1.898			1190.68	1190.95	-0.27	2.00	1190.72	2.00	2.53	1191.25
-2.14	1190.53	-2.00	1190.63	-2.00	29+4.398			1190.67	1190.85	-0.18	2.00	1190.71	2.00	2.48	1191.19

## EIXO 14 (0+0.000 - 63+3.564)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.10	1190.73	-2.00	1190.63	-2.00	0+0.000			1190.67	1190.87	-0.21	2.00	1190.71	2.00	2.22	1190.93
-2.19	1190.40	-2.00	1190.53	-2.00	0+2.517			1190.57	1190.80	-0.24	2.00	1190.61	2.00	2.25	1190.86
-2.63	1190.00	-2.00	1190.43	-2.00	0+5.000			1190.47	1190.71	-0.24	2.00	1190.51	2.00	2.28	1190.79
-2.64	1190.00	-2.00	1190.42	-2.00	0+5.033	PCR		1190.46	1190.71	-0.24	2.00	1190.50	2.00	2.28	1190.79
-2.77	1189.82	-2.00	1190.33	-2.00	0+7.389			1190.37	1190.27	0.10	2.00	1190.41	2.00	2.26	1190.67



## EIXO 14 (0+0.000 - 63+3.564)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.96	1189.59	-2.00	1190.24	-2.00	0+9.744	PT		1190.28	1189.64	0.64	2.00	1190.32	2.00	2.88	1189.73
-3.22	1189.38	-2.00	1190.19	-2.00	0+10.804	PC		1190.23	1189.45	0.78	2.00	1190.27	2.00	3.16	1189.50
-3.34	1189.21	-2.00	1190.10	-2.00	0+13.198			1190.14	1189.37	0.77	2.00	1190.18	2.00	3.10	1189.45
-3.14	1189.27	-2.00	1190.03	-2.00	0+15.000			1190.07	1189.30	0.77	2.00	1190.11	2.00	3.03	1189.42
-3.14	1189.24	-2.00	1190.00	-2.00	0+15.592	PCC		1190.04	1189.28	0.76	2.00	1190.08	2.00	3.00	1189.41
-3.04	1189.13	-2.00	1189.83	-2.00	1+0.000			1189.87	1189.15	0.71	2.00	1189.91	2.00	2.93	1189.29
-2.94	1189.00	-2.00	1189.63	-2.00	1+5.000			1189.67	1189.02	0.65	2.00	1189.71	2.00	2.85	1189.14
-2.84	1188.87	-2.00	1189.43	-2.00	1+10.000			1189.47	1188.90	0.57	2.00	1189.51	2.00	2.76	1189.00
-2.74	1188.74	-2.00	1189.23	-2.00	1+15.000			1189.27	1188.78	0.49	2.00	1189.31	2.00	2.67	1188.86
-2.67	1188.65	-2.00	1189.10	-2.00	1+18.263			1189.14	1188.70	0.43	2.00	1189.18	2.00	2.61	1188.77
-2.63	1188.60	-2.00	1189.03	-2.00	2+0.000			1189.07	1188.66	0.40	2.00	1189.11	2.00	2.58	1188.72
-2.41	1188.55	-2.00	1188.83	-2.00	2+5.000			1188.87	1188.53	0.34	2.00	1188.91	2.00	2.50	1188.57
-2.19	1188.50	-2.00	1188.63	-2.00	2+10.000			1188.67	1188.48	0.19	2.00	1188.71	2.00	2.38	1188.45
-2.02	1188.45	-2.00	1188.43	-2.00	2+15.000		PCV	1188.47	1188.42	0.04	2.00	1188.51	2.00	2.16	1188.40
-2.17	1188.40	-2.00	1188.23	-2.00	3+0.000			1188.27	1188.37	-0.10	2.00	1188.31	2.00	2.04	1188.34
-2.20	1188.39	-2.00	1188.19	-2.00	3+0.935	PT		1188.23	1188.36	-0.13	2.00	1188.27	2.00	2.06	1188.33
-2.41	1188.27	-2.00	1187.86	-2.00	3+10.000			1187.90	1188.24	-0.34	2.00	1187.94	2.00	2.27	1188.21
-2.57	1188.13	-2.00	1187.56	-2.00	4+0.000			1187.60	1188.09	-0.49	2.00	1187.64	2.00	2.41	1188.05
-2.60	1188.10	-2.00	1187.50	-2.00	4+2.219	PC		1187.54	1188.05	-0.52	2.00	1187.58	2.00	2.44	1188.02
-2.63	1188.06	-2.00	1187.43	-2.00	4+5.000			1187.47	1188.01	-0.55	2.00	1187.51	2.00	2.47	1187.97
-2.67	1187.98	-2.00	1187.31	-2.00	4+10.000			1187.35	1187.94	-0.59	2.00	1187.39	2.00	2.51	1187.90

## EIXO 14 (0+0.000 - 63+3.564)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.58	1187.79	-2.00	1187.21	-2.00	4+15.000			1187.25	1187.76	-0.51	2.00	1187.29	2.00	2.47	1187.76
-2.51	1187.64	-2.00	1187.12	-2.00	5+0.000			1187.16	1187.64	-0.48	2.00	1187.20	2.00	2.44	1187.65
-2.53	1187.58	-2.00	1187.05	-2.00	5+5.000			1187.09	1187.51	-0.41	2.00	1187.13	2.00	2.38	1187.51
-2.60	1187.60	-2.00	1186.99	-2.00	5+10.000			1187.03	1187.49	-0.45	2.00	1187.07	2.00	2.31	1187.39
-2.64	1187.59	-2.00	1186.95	-2.00	5+15.000		PTV	1186.99	1187.51	-0.51	2.00	1187.03	2.00	2.37	1187.40
-2.69	1187.61	-2.00	1186.92	-2.00	6+0.000			1186.96	1187.52	-0.56	2.00	1187.00	2.00	2.41	1187.41
-2.56	1187.45	-2.00	1186.90	-2.00	6+5.000			1186.94	1187.51	-0.57	2.00	1186.98	2.00	2.44	1187.41
-2.52	1187.39	-2.00	1186.87	-2.00	6+10.000			1186.91	1187.46	-0.55	2.00	1186.95	2.00	2.47	1187.42
-2.48	1187.33	-2.00	1186.85	-2.00	6+15.000			1186.89	1187.41	-0.53	2.00	1186.93	2.00	2.49	1187.42
-2.45	1187.27	-2.00	1186.82	-2.00	7+0.000			1186.86	1187.37	-0.51	2.00	1186.90	2.00	2.52	1187.42
-2.43	1187.23	-2.00	1186.80	-2.00	7+5.000			1186.84	1187.33	-0.49	2.00	1186.88	2.00	2.54	1187.42
-2.42	1187.21	-2.00	1186.78	-2.00	7+8.071			1186.82	1187.30	-0.48	2.00	1186.86	2.00	2.55	1187.41
-2.44	1187.22	-2.00	1186.77	-2.00	7+10.000			1186.81	1187.31	-0.50	2.00	1186.85	2.00	2.55	1187.40
-2.48	1187.23	-2.00	1186.75	-2.00	7+15.000			1186.79	1187.29	-0.50	2.00	1186.83	2.00	2.52	1187.35
-2.45	1187.18	-2.00	1186.72	-2.00	8+0.000			1186.76	1187.23	-0.47	2.00	1186.80	2.00	2.53	1187.33
-2.43	1187.12	-2.00	1186.70	-2.00	8+5.000			1186.74	1187.17	-0.44	2.00	1186.78	2.00	2.55	1187.32
-2.40	1187.07	-2.00	1186.67	-2.00	8+10.000			1186.71	1187.11	-0.40	2.00	1186.75	2.00	2.57	1187.32
-2.36	1187.01	-2.00	1186.65	-2.00	8+15.000			1186.69	1187.06	-0.37	2.00	1186.73	2.00	2.60	1187.32
-2.40	1187.02	-2.00	1186.62	-2.00	9+0.000			1186.66	1187.00	-0.34	2.00	1186.70	2.00	2.63	1187.33
-2.48	1187.08	-2.00	1186.60	-2.00	9+5.000			1186.64	1186.96	-0.32	2.00	1186.68	2.00	2.67	1187.35
-2.50	1187.07	-2.00	1186.57	-2.00	9+10.000			1186.61	1186.98	-0.36	2.00	1186.65	2.00	2.72	1187.37

## EIXO 14 (0+0.000 - 63+3.564)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.52	1187.06	-2.00	1186.55	-2.00	9+15.000			1186.59	1187.05	-0.46	2.00	1186.63	2.00	2.52	1187.15
-2.61	1187.14	-2.00	1186.52	-2.00	10+0.000			1186.56	1187.12	-0.56	2.00	1186.60	2.00	2.50	1187.11
-2.67	1187.17	-2.00	1186.50	-2.00	10+5.000			1186.54	1187.07	-0.53	2.00	1186.58	2.00	2.52	1187.10
-2.55	1187.02	-2.00	1186.47	-2.00	10+10.000			1186.51	1186.93	-0.42	2.00	1186.55	2.00	2.66	1187.21
-2.44	1186.89	-2.00	1186.45	-2.00	10+13.923	PCR		1186.49	1186.94	-0.45	2.00	1186.53	2.00	2.77	1187.30
-2.41	1186.85	-2.00	1186.45	-2.00	10+15.000			1186.49	1186.96	-0.47	2.00	1186.53	2.00	2.81	1187.34
-2.42	1186.86	-2.00	1186.44	-2.00	10+16.583			1186.48	1186.98	-0.50	2.00	1186.52	2.00	2.86	1187.38
-2.48	1186.90	-2.00	1186.43	-2.00	10+19.242	PT		1186.47	1186.85	-0.39	2.00	1186.51	2.00	2.83	1187.33
-2.48	1186.91	-2.00	1186.42	-2.00	10+19.553	PC		1186.46	1186.85	-0.39	2.00	1186.50	2.00	2.82	1187.32
-2.49	1186.92	-2.00	1186.42	-2.00	11+0.000			1186.46	1186.85	-0.38	2.00	1186.50	2.00	2.81	1187.31
-2.54	1186.95	-2.00	1186.41	-2.00	11+2.289			1186.45	1186.87	-0.42	2.00	1186.49	2.00	2.62	1187.11
-2.58	1186.98	-2.00	1186.40	-2.00	11+5.000			1186.44	1186.88	-0.44	2.00	1186.48	2.00	2.51	1186.99
-2.58	1186.98	-2.00	1186.40	-2.00	11+5.024	PCC		1186.44	1186.88	-0.44	2.00	1186.48	2.00	2.51	1186.99
-2.67	1187.05	-2.00	1186.37	-2.00	11+10.000			1186.41	1187.02	-0.61	2.00	1186.45	2.00	2.56	1187.01
-2.64	1186.98	-2.00	1186.35	-2.00	11+15.000			1186.39	1186.99	-0.60	2.00	1186.43	2.00	2.55	1186.98
-2.57	1186.89	-2.00	1186.32	-2.00	12+0.000			1186.36	1186.91	-0.54	2.00	1186.40	2.00	2.52	1186.92
-2.56	1186.86	-2.00	1186.30	-2.00	12+5.000			1186.34	1186.82	-0.49	2.00	1186.38	2.00	2.46	1186.84
-2.64	1186.91	-2.00	1186.27	-2.00	12+10.000			1186.31	1186.87	-0.56	2.00	1186.35	2.00	2.48	1186.83
-2.53	1186.78	-2.00	1186.25	-2.00	12+15.000			1186.29	1186.77	-0.48	2.00	1186.33	2.00	2.42	1186.74
-2.52	1186.74	-2.00	1186.22	-2.00	13+0.000			1186.26	1186.68	-0.41	2.00	1186.30	2.00	2.35	1186.65
-2.58	1186.78	-2.00	1186.20	-2.00	13+5.000			1186.24	1186.70	-0.47	2.00	1186.28	2.00	2.36	1186.63

## EIXO 14 (0+0.000 - 63+3.564)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.64	1186.81	-2.00	1186.17	-2.00	13+10.000			1186.21	1186.71	-0.50	2.00	1186.25	2.00	2.35	1186.60
-2.59	1186.74	-2.00	1186.15	-2.00	13+15.000			1186.19	1186.62	-0.43	2.00	1186.23	2.00	2.29	1186.51
-2.44	1186.56	-2.00	1186.12	-2.00	14+0.000			1186.16	1186.53	-0.37	2.00	1186.20	2.00	2.22	1186.43
-2.29	1186.39	-2.00	1186.10	-2.00	14+5.000			1186.14	1186.37	-0.23	2.00	1186.18	2.00	2.16	1186.34
-2.25	1186.33	-2.00	1186.07	-2.00	14+10.000			1186.11	1186.29	-0.18	2.00	1186.15	2.00	2.10	1186.25
-2.29	1186.34	-2.00	1186.05	-2.00	14+15.000			1186.09	1186.30	-0.21	2.00	1186.13	2.00	2.16	1186.29
-2.28	1186.30	-2.00	1186.02	-2.00	15+0.000			1186.06	1186.31	-0.25	2.00	1186.10	2.00	2.25	1186.35
-2.29	1186.29	-2.00	1186.00	-2.00	15+5.000			1186.04	1186.44	-0.41	2.00	1186.08	2.00	2.46	1186.54
-2.43	1186.40	-2.00	1185.97	-2.00	15+10.000			1186.01	1186.61	-0.59	2.00	1186.05	2.00	2.57	1186.62
-2.60	1186.55	-2.00	1185.95	-2.00	15+15.000			1185.99	1186.71	-0.72	2.00	1186.03	2.00	2.64	1186.67
-2.67	1186.59	-2.00	1185.92	-2.00	16+0.000			1185.96	1186.63	-0.66	2.00	1186.00	2.00	2.53	1186.53
-2.64	1186.53	-2.00	1185.90	-2.00	16+5.000			1185.94	1186.49	-0.55	2.00	1185.98	2.00	2.42	1186.39
-2.57	1186.44	-2.00	1185.87	-2.00	16+10.000			1185.91	1186.34	-0.43	2.00	1185.95	2.00	2.30	1186.26
-2.44	1186.29	-2.00	1185.85	-2.00	16+15.000			1185.89	1186.20	-0.31	2.00	1185.93	2.00	2.21	1186.14
-2.34	1186.16	-2.00	1185.82	-2.00	17+0.000			1185.86	1186.14	-0.27	2.00	1185.90	2.00	2.22	1186.12
-2.34	1186.14	-2.00	1185.80	-2.00	17+5.000			1185.84	1186.12	-0.28	2.00	1185.88	2.00	2.25	1186.13
-2.35	1186.12	-2.00	1185.77	-2.00	17+10.000			1185.81	1186.12	-0.31	2.00	1185.85	2.00	2.28	1186.14
-2.39	1186.13	-2.00	1185.75	-2.00	17+15.000			1185.79	1186.10	-0.31	2.00	1185.83	2.00	2.29	1186.11
-2.43	1186.15	-2.00	1185.72	-2.00	18+0.000			1185.76	1186.10	-0.34	2.00	1185.80	2.00	2.28	1186.09
-2.47	1186.17	-2.00	1185.70	-2.00	18+5.000			1185.74	1186.12	-0.38	2.00	1185.78	2.00	2.30	1186.07
-2.41	1186.08	-2.00	1185.67	-2.00	18+10.000			1185.71	1186.06	-0.34	2.00	1185.75	2.00	2.28	1186.03

## EIXO 14 (0+0.000 - 63+3.564)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.40	1186.06	-2.00	1185.67	-2.00	18+10.682			1185.71	1186.04	-0.33	2.00	1185.75	2.00	2.29	1186.04
-2.35	1186.00	-2.00	1185.65	-2.00	18+15.000			1185.69	1186.05	-0.36	2.00	1185.73	2.00	2.37	1186.10
-2.44	1186.06	-2.00	1185.62	-2.00	19+0.000			1185.66	1186.12	-0.45	2.00	1185.70	2.00	2.47	1186.17
-2.54	1186.13	-2.00	1185.60	-2.00	19+5.000			1185.64	1186.19	-0.55	2.00	1185.68	2.00	2.57	1186.24
-2.64	1186.21	-2.00	1185.57	-2.00	19+10.000			1185.61	1186.26	-0.65	2.00	1185.65	2.00	2.66	1186.32
-2.74	1186.28	-2.00	1185.55	-2.00	19+15.000			1185.59	1186.32	-0.73	2.00	1185.63	2.00	2.68	1186.31
-2.74	1186.27	-2.00	1185.52	-2.00	20+0.000			1185.56	1186.25	-0.69	2.00	1185.60	2.00	2.64	1186.24
-2.72	1186.21	-2.00	1185.50	-2.00	20+5.000			1185.54	1186.20	-0.66	2.00	1185.58	2.00	2.61	1186.19
-2.69	1186.16	-2.00	1185.47	-2.00	20+10.000			1185.51	1186.15	-0.64	2.00	1185.55	2.00	2.58	1186.14
-2.67	1186.11	-2.00	1185.45	-2.00	20+15.000			1185.49	1186.10	-0.61	2.00	1185.53	2.00	2.56	1186.08
-2.64	1186.06	-2.00	1185.42	-2.00	21+0.000			1185.46	1186.05	-0.59	2.00	1185.50	2.00	2.52	1186.03
-2.60	1185.99	-2.00	1185.40	-2.00	21+5.000			1185.44	1185.99	-0.56	2.00	1185.48	2.00	2.49	1185.97
-2.58	1185.95	-2.00	1185.37	-2.00	21+10.000			1185.41	1185.93	-0.52	2.00	1185.45	2.00	2.46	1185.91
-2.53	1185.88	-2.00	1185.35	-2.00	21+15.000			1185.39	1185.87	-0.49	2.00	1185.43	2.00	2.42	1185.85
-2.50	1185.82	-2.00	1185.32	-2.00	22+0.000			1185.36	1185.82	-0.46	2.00	1185.40	2.00	2.39	1185.79
-2.46	1185.76	-2.00	1185.30	-2.00	22+5.000			1185.34	1185.76	-0.42	2.00	1185.38	2.00	2.38	1185.76
-2.42	1185.70	-2.00	1185.27	-2.00	22+10.000			1185.31	1185.70	-0.39	2.00	1185.35	2.00	2.49	1185.84
-2.41	1185.65	-2.00	1185.25	-2.00	22+15.000			1185.29	1185.74	-0.46	2.00	1185.33	2.00	2.55	1185.88
-2.44	1185.66	-2.00	1185.22	-2.00	23+0.000			1185.26	1185.71	-0.45	2.00	1185.30	2.00	2.54	1185.84
-2.46	1185.66	-2.00	1185.20	-2.00	23+5.000			1185.24	1185.67	-0.44	2.00	1185.28	2.00	2.53	1185.81
-2.48	1185.65	-2.00	1185.17	-2.00	23+10.000			1185.21	1185.64	-0.43	2.00	1185.25	2.00	2.53	1185.78

## EIXO 14 (0+0.000 - 63+3.564)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.57	1185.71	-2.00	1185.15	-2.00	23+15.000			1185.19	1185.64	-0.45	2.00	1185.23	2.00	2.55	1185.77
-2.59	1185.71	-2.00	1185.12	-2.00	24+0.000			1185.16	1185.67	-0.50	2.00	1185.20	2.00	2.55	1185.75
-2.67	1185.76	-2.00	1185.10	-2.00	24+5.000			1185.14	1185.71	-0.57	2.00	1185.18	2.00	2.49	1185.67
-2.81	1185.88	-2.00	1185.07	-2.00	24+10.000			1185.11	1185.71	-0.60	2.00	1185.15	2.00	2.44	1185.59
-2.84	1185.89	-2.00	1185.05	-2.00	24+15.000			1185.09	1185.71	-0.63	2.00	1185.13	2.00	2.44	1185.57
-2.85	1185.87	-2.00	1185.02	-2.00	25+0.000			1185.06	1185.71	-0.64	2.00	1185.10	2.00	2.46	1185.56
-2.71	1185.71	-2.00	1185.00	-2.00	25+5.000			1185.04	1185.70	-0.66	2.00	1185.08	2.00	2.47	1185.55
-2.57	1185.55	-2.00	1184.97	-2.00	25+10.000			1185.01	1185.59	-0.58	2.00	1185.05	2.00	2.48	1185.53
-2.44	1185.38	-2.00	1184.95	-2.00	25+15.000			1184.99	1185.42	-0.44	2.00	1185.03	2.00	2.44	1185.46
-2.44	1185.38	-2.00	1184.94	-2.00	25+16.340	PCR		1184.98	1185.39	-0.41	2.00	1185.02	2.00	2.40	1185.42
-2.45	1185.37	-2.00	1184.92	-2.00	25+19.665			1184.96	1185.38	-0.42	2.00	1185.00	2.00	2.37	1185.37
-2.45	1185.37	-2.00	1184.92	-2.00	26+0.000			1184.96	1185.38	-0.42	2.00	1185.00	2.00	2.37	1185.37
-2.45	1185.35	-2.00	1184.91	-2.00	26+2.990	PT		1184.95	1185.34	-0.39	2.00	1184.99	2.00	2.33	1185.32
-2.53	1185.41	-2.00	1184.88	-2.00	26+7.827	PC		1184.92	1185.36	-0.44	2.00	1184.96	2.00	2.33	1185.29
-2.53	1185.41	-2.00	1184.87	-2.00	26+10.000			1184.91	1185.32	-0.41	2.00	1184.95	2.00	2.29	1185.25
-2.50	1185.36	-2.00	1184.87	-2.00	26+11.413			1184.91	1185.28	-0.38	2.00	1184.95	2.00	2.27	1185.21
-2.47	1185.32	-2.00	1184.85	-2.00	26+15.000	PCC		1184.89	1185.18	-0.29	2.00	1184.93	2.00	2.19	1185.12
-2.44	1185.27	-2.00	1184.82	-2.00	27+0.000			1184.86	1185.03	-0.17	2.00	1184.90	2.00	2.07	1184.97
-2.33	1185.13	-2.00	1184.80	-2.00	27+4.069			1184.84	1184.93	-0.09	2.00	1184.88	2.00	2.02	1184.87
-2.28	1185.08	-2.00	1184.80	-2.00	27+5.000			1184.84	1184.89	-0.05	2.00	1184.88	2.00	2.04	1184.85
-2.06	1184.83	-2.00	1184.77	-2.00	27+10.000			1184.81	1184.75	0.06	2.00	1184.85	2.00	2.16	1184.75

## EIXO 14 (0+0.000 - 63+3.564)

LADO ESQUERDO					EIXO							LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET		
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	
-2.09	1184.70	-2.00	1184.76	-2.00	27+13.139	PCC		1184.80	1184.69	0.11	2.00	1184.84	2.00	2.23	1184.68	
-2.14	1184.65	-2.00	1184.75	-2.00	27+15.000			1184.79	1184.65	0.14	2.00	1184.83	2.00	2.27	1184.65	
-2.01	1184.74	-2.00	1184.73	-2.00	27+18.454			1184.77	1184.77	0.00	2.00	1184.81	2.00	2.02	1184.80	
-2.14	1184.86	-2.00	1184.72	-2.00	28+0.000			1184.76	1184.88	-0.11	2.00	1184.80	2.00	2.09	1184.89	
-2.46	1185.16	-2.00	1184.70	-2.00	28+3.769	PT		1184.74	1185.13	-0.39	2.00	1184.78	2.00	2.23	1185.01	
-2.68	1185.37	-2.00	1184.68	-2.00	28+7.460	PC		1184.72	1185.27	-0.55	2.00	1184.76	2.00	2.44	1185.21	
-2.83	1185.50	-2.00	1184.67	-2.00	28+10.000			1184.71	1185.43	-0.72	2.00	1184.75	2.00	2.61	1185.37	
-2.90	1185.56	-2.00	1184.66	-2.00	28+12.444			1184.70	1185.50	-0.80	2.00	1184.74	2.00	2.70	1185.44	
-2.99	1185.63	-2.00	1184.65	-2.00	28+15.000			1184.69	1185.58	-0.89	2.00	1184.73	2.00	2.81	1185.53	
-2.95	1185.58	-2.00	1184.63	-2.00	28+17.427	PCR		1184.67	1185.66	-0.99	2.00	1184.71	2.00	2.91	1185.62	
-2.86	1185.48	-2.00	1184.62	-2.00	29+0.000			1184.66	1185.69	-1.03	2.00	1184.70	2.00	3.01	1185.71	
-2.69	1185.29	-2.00	1184.60	-2.00	29+5.000			1184.64	1185.48	-0.85	2.00	1184.68	2.00	3.03	1185.71	
-2.61	1185.20	-2.00	1184.59	-2.00	29+7.283			1184.63	1185.39	-0.77	2.00	1184.67	2.00	2.95	1185.61	
-2.52	1185.09	-2.00	1184.57	-2.00	29+10.000			1184.61	1185.28	-0.67	2.00	1184.65	2.00	2.84	1185.49	
-2.36	1184.90	-2.00	1184.55	-2.00	29+15.000			1184.59	1185.08	-0.49	2.00	1184.63	2.00	2.74	1185.36	
-2.29	1184.82	-2.00	1184.54	-2.00	29+17.139	PT		1184.58	1185.04	-0.46	2.00	1184.62	2.00	2.75	1185.37	
-2.25	1184.77	-2.00	1184.52	-2.00	30+0.000			1184.56	1185.04	-0.48	2.00	1184.60	2.00	2.77	1185.37	
-2.21	1184.68	-2.00	1184.47	-2.00	30+10.000			1184.51	1184.96	-0.44	2.00	1184.55	2.00	2.75	1185.30	
-2.15	1184.58	-2.00	1184.42	-2.00	31+0.000			1184.46	1184.84	-0.38	2.00	1184.50	2.00	2.54	1185.04	
-2.27	1184.64	-2.00	1184.37	-2.00	31+10.000			1184.41	1184.71	-0.29	2.00	1184.45	2.00	2.33	1184.78	
-2.48	1184.80	-2.00	1184.32	-2.00	32+0.000			1184.36	1184.73	-0.37	2.00	1184.40	2.00	2.27	1184.67	

## EIXO 14 (0+0.000 - 63+3.564)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.36	1184.63	-2.00	1184.27	-2.00	32+10.000			1184.31	1184.63	-0.32	2.00	1184.35	2.00	2.28	1184.63
-2.58	1184.80	-2.00	1184.22	-2.00	33+0.000			1184.26	1184.79	-0.52	2.00	1184.30	2.00	2.38	1184.68
-2.58	1184.75	-2.00	1184.17	-2.00	33+10.000			1184.21	1184.64	-0.42	2.00	1184.25	2.00	2.28	1184.54
-2.61	1184.73	-2.00	1184.12	-2.00	34+0.000			1184.16	1184.61	-0.45	2.00	1184.20	2.00	2.31	1184.51
-2.57	1184.64	-2.00	1184.07	-2.00	34+10.000			1184.11	1184.66	-0.55	2.00	1184.15	2.00	2.50	1184.65
-2.49	1184.51	-2.00	1184.02	-2.00	35+0.000			1184.06	1184.52	-0.46	2.00	1184.10	2.00	2.43	1184.54
-2.65	1184.63	-2.00	1183.97	-2.00	35+10.000			1184.01	1184.64	-0.63	2.00	1184.05	2.00	2.60	1184.65
-2.81	1184.73	-2.00	1183.92	-2.00	36+0.000			1183.96	1184.75	-0.79	2.00	1184.00	2.00	2.77	1184.77
-2.95	1184.82	-2.00	1183.87	-2.00	36+10.000			1183.91	1184.86	-0.95	2.00	1183.95	2.00	2.91	1184.86
-2.98	1184.80	-2.00	1183.82	-2.00	37+0.000			1183.86	1184.86	-1.00	2.00	1183.90	2.00	2.99	1184.89
-2.99	1184.76	-2.00	1183.77	-2.00	37+10.000			1183.81	1184.82	-1.01	2.00	1183.85	2.00	3.00	1184.85
-2.92	1184.65	-2.00	1183.72	-2.00	38+0.000			1183.76	1184.69	-0.93	2.00	1183.80	2.00	2.92	1184.72
-2.87	1184.55	-2.00	1183.68	-2.00	38+7.736	PC		1183.72	1184.58	-0.86	2.00	1183.76	2.00	2.82	1184.59
-2.86	1184.53	-2.00	1183.67	-2.00	38+10.000			1183.71	1184.56	-0.85	2.00	1183.75	2.00	2.81	1184.56
-2.83	1184.47	-2.00	1183.65	-2.00	38+15.000			1183.69	1184.51	-0.82	2.00	1183.73	2.00	2.79	1184.51
-2.79	1184.41	-2.00	1183.62	-2.00	39+0.000			1183.66	1184.46	-0.80	2.00	1183.70	2.00	2.76	1184.46
-2.76	1184.35	-2.00	1183.60	-2.00	39+5.000			1183.64	1184.40	-0.76	2.00	1183.68	2.00	2.70	1184.38
-2.73	1184.30	-2.00	1183.57	-2.00	39+10.000		PCV	1183.61	1184.34	-0.73	2.00	1183.65	2.00	2.65	1184.30
-2.71	1184.25	-2.00	1183.54	-2.00	39+15.000			1183.58	1184.26	-0.68	2.00	1183.62	2.00	2.59	1184.22
-2.70	1184.20	-2.00	1183.50	-2.00	40+0.000			1183.54	1184.18	-0.64	2.00	1183.58	2.00	2.55	1184.14
-2.69	1184.14	-2.00	1183.45	-2.00	40+5.000			1183.49	1184.11	-0.61	2.00	1183.53	2.00	2.52	1184.06



## EIXO 14 (0+0.000 - 63+3.564)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.66	1184.05	-2.00	1183.39	-2.00	40+10.000			1183.43	1183.99	-0.56	2.00	1183.47	2.00	2.47	1183.94
-2.60	1183.93	-2.00	1183.33	-2.00	40+15.000			1183.37	1183.87	-0.51	2.00	1183.41	2.00	2.42	1183.82
-2.56	1183.81	-2.00	1183.25	-2.00	41+0.000			1183.29	1183.76	-0.47	2.00	1183.33	2.00	2.40	1183.73
-2.55	1183.70	-2.00	1183.16	-2.00	41+5.000			1183.20	1183.67	-0.47	2.00	1183.24	2.00	2.40	1183.64
-2.53	1183.59	-2.00	1183.06	-2.00	41+10.000		PTV	1183.10	1183.56	-0.46	2.00	1183.14	2.00	2.39	1183.53
-2.55	1183.50	-2.00	1182.96	-2.00	41+15.000			1183.00	1183.44	-0.44	2.00	1183.04	2.00	2.37	1183.40
-2.56	1183.49	-2.00	1182.93	-2.00	41+16.425			1182.97	1183.40	-0.44	2.00	1183.01	2.00	2.36	1183.37
-2.59	1183.45	-2.00	1182.85	-2.00	42+0.000			1182.89	1183.32	-0.43	2.00	1182.93	2.00	2.35	1183.28
-2.65	1183.40	-2.00	1182.75	-2.00	42+5.000			1182.79	1183.24	-0.45	2.00	1182.83	2.00	2.36	1183.19
-2.59	1183.24	-2.00	1182.65	-2.00	42+10.000			1182.69	1183.08	-0.39	2.00	1182.73	2.00	2.36	1183.08
-2.54	1183.09	-2.00	1182.54	-2.00	42+15.000			1182.58	1182.95	-0.36	2.00	1182.62	2.00	2.34	1182.96
-2.51	1182.95	-2.00	1182.44	-2.00	43+0.000			1182.48	1182.83	-0.35	2.00	1182.52	2.00	2.32	1182.84
-2.46	1182.80	-2.00	1182.34	-2.00	43+5.000			1182.38	1182.71	-0.33	2.00	1182.42	2.00	2.30	1182.71
-2.43	1182.66	-2.00	1182.23	-2.00	43+10.000			1182.27	1182.60	-0.33	2.00	1182.31	2.00	2.31	1182.62
-2.43	1182.56	-2.00	1182.13	-2.00	43+15.000			1182.17	1182.54	-0.36	2.00	1182.21	2.00	2.32	1182.53
-2.46	1182.49	-2.00	1182.03	-2.00	44+0.000			1182.07	1182.47	-0.40	2.00	1182.11	2.00	2.34	1182.45
-2.50	1182.43	-2.00	1181.93	-2.00	44+5.000			1181.97	1182.40	-0.44	2.00	1182.01	2.00	2.38	1182.38
-2.45	1182.27	-2.00	1181.82	-2.00	44+10.000			1181.86	1182.30	-0.44	2.00	1181.90	2.00	2.42	1182.32
-2.42	1182.14	-2.00	1181.72	-2.00	44+15.000			1181.76	1182.10	-0.34	2.00	1181.80	2.00	2.33	1182.13
-2.39	1182.01	-2.00	1181.62	-2.00	45+0.000			1181.66	1181.95	-0.29	2.00	1181.70	2.00	2.22	1181.92
-2.35	1181.87	-2.00	1181.51	-2.00	45+5.000			1181.55	1181.81	-0.26	2.00	1181.59	2.00	2.16	1181.76

## EIXO 14 (0+0.000 - 63+3.564)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.35	1181.86	-2.00	1181.51	-2.00	45+5.113	PT		1181.55	1181.81	-0.26	2.00	1181.59	2.00	2.16	1181.75
-2.33	1181.74	-2.00	1181.41	-2.00	45+10.000			1181.45	1181.69	-0.24	2.00	1181.49	2.00	2.15	1181.64
-2.30	1181.51	-2.00	1181.20	-2.00	46+0.000			1181.24	1181.46	-0.21	2.00	1181.28	2.00	2.17	1181.46
-2.29	1181.44	-2.00	1181.15	-2.00	46+2.542	PC		1181.19	1181.40	-0.20	2.00	1181.23	2.00	2.19	1181.42
-2.28	1181.38	-2.00	1181.10	-2.00	46+5.000			1181.14	1181.34	-0.20	2.00	1181.18	2.00	2.20	1181.38
-2.28	1181.27	-2.00	1181.00	-2.00	46+10.000			1181.04	1181.25	-0.22	2.00	1181.08	2.00	2.21	1181.29
-2.31	1181.21	-2.00	1180.89	-2.00	46+15.000			1180.93	1181.19	-0.26	2.00	1180.97	2.00	2.23	1181.20
-2.35	1181.14	-2.00	1180.79	-2.00	47+0.000			1180.83	1181.13	-0.30	2.00	1180.87	2.00	2.27	1181.14
-2.38	1181.07	-2.00	1180.69	-2.00	47+5.000			1180.73	1181.07	-0.34	2.00	1180.77	2.00	2.31	1181.08
-2.38	1181.04	-2.00	1180.65	-2.00	47+6.641			1180.69	1181.05	-0.35	2.00	1180.73	2.00	2.33	1181.06
-2.44	1181.02	-2.00	1180.58	-2.00	47+10.000			1180.62	1181.03	-0.40	2.00	1180.66	2.00	2.38	1181.04
-2.53	1181.01	-2.00	1180.48	-2.00	47+15.000			1180.52	1181.01	-0.49	2.00	1180.56	2.00	2.46	1181.02
-2.55	1180.93	-2.00	1180.38	-2.00	48+0.000			1180.42	1180.94	-0.53	2.00	1180.46	2.00	2.39	1180.85
-2.51	1180.78	-2.00	1180.28	-2.00	48+5.000			1180.32	1180.70	-0.39	2.00	1180.36	2.00	2.35	1180.70
-2.44	1180.62	-2.00	1180.17	-2.00	48+10.000			1180.21	1180.62	-0.41	2.00	1180.25	2.00	2.37	1180.62
-2.45	1180.60	-2.00	1180.16	-2.00	48+10.740	PT		1180.20	1180.61	-0.41	2.00	1180.24	2.00	2.37	1180.61
-2.43	1180.39	-2.00	1179.97	-2.00	49+0.000			1180.01	1180.46	-0.46	2.00	1180.05	2.00	2.44	1180.49
-2.38	1180.14	-2.00	1179.76	-2.00	49+10.000			1179.80	1180.17	-0.37	2.00	1179.84	2.00	2.37	1180.21
-2.39	1179.94	-2.00	1179.55	-2.00	50+0.000			1179.59	1180.01	-0.41	2.00	1179.63	2.00	2.45	1180.08
-2.44	1179.80	-2.00	1179.36	-2.00	50+9.555	PC		1179.40	1179.91	-0.51	2.00	1179.44	2.00	2.59	1180.03
-2.44	1179.79	-2.00	1179.35	-2.00	50+10.000			1179.39	1179.90	-0.51	2.00	1179.43	2.00	2.59	1180.02

## EIXO 14 (0+0.000 - 63+3.564)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.42	1179.66	-2.00	1179.24	-2.00	50+15.000			1179.28	1179.77	-0.48	2.00	1179.32	2.00	2.56	1179.88
-2.40	1179.54	-2.00	1179.14	-2.00	51+0.000			1179.18	1179.62	-0.44	2.00	1179.22	2.00	2.51	1179.73
-2.38	1179.42	-2.00	1179.04	-2.00	51+5.000			1179.08	1179.48	-0.41	2.00	1179.12	2.00	2.46	1179.58
-2.37	1179.37	-2.00	1179.00	-2.00	51+6.637			1179.04	1179.44	-0.40	2.00	1179.08	2.00	2.44	1179.52
-2.35	1179.29	-2.00	1178.93	-2.00	51+10.000			1178.97	1179.35	-0.38	2.00	1179.01	2.00	2.40	1179.42
-2.32	1179.15	-2.00	1178.83	-2.00	51+15.000			1178.87	1179.23	-0.36	2.00	1178.91	2.00	2.40	1179.31
-2.33	1179.05	-2.00	1178.73	-2.00	52+0.000			1178.77	1179.15	-0.38	2.00	1178.81	2.00	2.42	1179.22
-2.31	1178.96	-2.00	1178.65	-2.00	52+3.718	PT		1178.69	1179.06	-0.37	2.00	1178.73	2.00	2.42	1179.15
-2.32	1178.84	-2.00	1178.52	-2.00	52+10.000			1178.56	1178.90	-0.33	2.00	1178.60	2.00	2.43	1179.03
-2.74	1179.06	-2.00	1178.32	-2.00	53+0.000			1178.36	1178.92	-0.56	2.00	1178.40	2.00	2.42	1178.82
-2.53	1178.64	-2.00	1178.11	-2.00	53+10.000		PCV	1178.15	1178.68	-0.53	2.00	1178.19	2.00	2.52	1178.71
-2.38	1178.29	-2.00	1177.91	-2.00	54+0.000			1177.95	1178.42	-0.47	2.00	1177.99	2.00	2.54	1178.52
-2.77	1178.50	-2.00	1177.73	-2.00	54+10.000		PTV	1177.77	1178.38	-0.61	2.00	1177.81	2.00	2.49	1178.30
-2.50	1178.08	-2.00	1177.58	-2.00	55+0.000			1177.62	1178.12	-0.50	2.00	1177.66	2.00	2.50	1178.16
-2.43	1177.87	-2.00	1177.44	-2.00	55+10.000			1177.48	1177.95	-0.47	2.00	1177.52	2.00	2.50	1178.02
-2.44	1177.74	-2.00	1177.29	-2.00	56+0.000			1177.33	1177.73	-0.40	2.00	1177.37	2.00	2.44	1177.81
-2.53	1177.68	-2.00	1177.15	-2.00	56+10.000			1177.19	1177.66	-0.47	2.00	1177.23	2.00	2.43	1177.66
-2.49	1177.49	-2.00	1177.00	-2.00	57+0.000			1177.04	1177.59	-0.55	2.00	1177.08	2.00	2.42	1177.50
-2.38	1177.24	-2.00	1176.86	-2.00	57+10.000			1176.90	1177.24	-0.34	2.00	1176.94	2.00	2.31	1177.25
-2.33	1177.04	-2.00	1176.71	-2.00	58+0.000			1176.75	1177.04	-0.29	2.00	1176.79	2.00	2.26	1177.05
-2.27	1176.84	-2.00	1176.57	-2.00	58+10.000			1176.61	1176.92	-0.31	2.00	1176.65	2.00	2.35	1177.00

## EIXO 14 (0+0.000 - 63+3.564)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-2.27	1176.70	-2.00	1176.42	-2.00	59+0.000			1176.46	1176.80	-0.34	2.00	1176.50	2.00	2.41	1176.91
-2.29	1176.57	-2.00	1176.28	-2.00	59+10.000			1176.32	1176.68	-0.36	2.00	1176.36	2.00	2.43	1176.79
-2.26	1176.39	-2.00	1176.13	-2.00	60+0.000			1176.17	1176.52	-0.35	2.00	1176.21	2.00	2.45	1176.66
-2.50	1176.49	-2.00	1175.99	-2.00	60+10.000			1176.03	1176.65	-0.62	2.00	1176.07	2.00	2.71	1176.78
-2.50	1176.34	-2.00	1175.84	-2.00	61+0.000			1175.88	1176.42	-0.54	2.00	1175.92	2.00	2.66	1176.58
-2.51	1176.21	-2.00	1175.70	-2.00	61+10.000			1175.74	1176.28	-0.54	2.00	1175.78	2.00	2.60	1176.38
-2.54	1176.10	-2.00	1175.55	-2.00	62+0.000			1175.59	1176.21	-0.61	2.00	1175.63	2.00	2.60	1176.24
-2.52	1176.02	-2.00	1175.50	-2.00	62+3.839	PC		1175.54	1176.12	-0.58	2.00	1175.58	2.00	2.57	1176.15
-2.53	1176.01	-2.00	1175.48	-2.00	62+5.000			1175.52	1176.08	-0.56	2.00	1175.56	2.00	2.56	1176.12
-2.53	1176.00	-2.00	1175.47	-2.00	62+5.606			1175.51	1176.06	-0.55	2.00	1175.55	2.00	2.59	1176.14
-2.53	1175.98	-2.00	1175.45	-2.00	62+7.374	PT		1175.49	1176.01	-0.52	2.00	1175.53	2.00	2.51	1176.04
-2.48	1175.89	-2.00	1175.41	-2.00	62+10.000			1175.45	1175.92	-0.47	2.00	1175.49	2.00	2.46	1175.95
-2.48	1175.89	-2.00	1175.41	-2.00	62+10.029	PC		1175.45	1175.92	-0.47	2.00	1175.49	2.00	2.46	1175.95
-2.43	1175.81	-2.00	1175.38	-2.00	62+11.796			1175.42	1175.87	-0.44	2.00	1175.46	2.00	2.46	1175.93
-2.40	1175.75	-2.00	1175.36	-2.00	62+13.563	PT		1175.40	1175.83	-0.43	2.00	1175.44	2.00	2.47	1175.91
-2.40	1175.66	-2.00	1175.26	-2.00	63+0.000			1175.30	1175.71	-0.41	2.00	1175.34	2.00	2.44	1175.78
-2.44	1175.66	-2.00	1175.21	-2.00	63+3.564			1175.25	1175.68	-0.43	2.00	1175.29	2.00	2.43	1175.72

## 12.2. Anexo II – Quadro de Ordenada de Massas

### EIXO 01 - (0+0.000 - 7+7.122)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m <sup>2</sup> )		VOLUMES (m <sup>3</sup> )							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+0.000		0.98	1.38									0.00	0.00
	0.00			3.05	0.00	0.00	8.69	0.00	13.84	17.30	3.05		
0+10.000		1.37	1.38									0.00	-14.25
	5.00			1.67	0.00	0.00	2.83	0.00	4.40	5.50	1.67		
0+13.177		1.46	1.38									0.00	-18.08
	1.59			1.10	0.00	0.00	1.64	0.00	2.52	3.15	1.10		
0+15.000		1.54	1.38									0.00	-20.13
	0.91			0.32	0.00	0.00	0.44	0.00	0.68	0.85	0.32		
0+15.491		1.57	1.38									0.00	-20.66
	0.25			1.59	0.00	0.00	2.10	0.00	3.21	4.01	1.59		
0+17.805		1.61	1.38									0.00	-23.08
	1.16			1.52	0.00	0.00	1.99	0.00	3.03	3.79	1.52		
1+0.000		1.60	1.38									0.00	-25.35
	1.10			0.96	0.00	0.00	1.27	0.00	1.94	2.42	0.96		
1+1.402		1.58	1.38									0.00	-26.81
	0.70			1.55	0.00	0.00	2.07	0.00	3.17	3.96	1.55		
1+3.692		1.60	1.38									0.00	-29.22
	1.15			0.91	0.00	0.00	1.20	0.00	1.81	2.27	0.91		
1+5.000		1.63	1.38									0.00	-30.58
	0.65			0.72	0.00	0.00	0.90	0.00	1.36	1.70	0.72		

## EIXO 01 - (0+0.000 - 7+7.122)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
1+5.982		1.67	1.38									0.00	-31.56
	0.49			3.32	0.00	0.00	3.71	0.00	5.56	6.95	3.32		
1+10.000		1.83	1.38									0.00	-35.19
	2.01			9.77	0.00	0.00	9.37	0.00	13.84	17.30	9.77		
2+0.000		2.00	1.38									0.00	-42.72
	5.00			10.10	0.00	0.00	9.42	0.00	13.84	17.30	10.10		
2+10.000		1.91	1.38									0.00	-49.92
	5.00			10.01	0.00	0.00	9.41	0.00	13.84	17.30	10.01		
3+0.000		1.98	1.38									0.00	-57.21
	5.00			10.09	0.00	0.00	9.39	0.00	13.84	17.30	10.09		
3+10.000		1.92	1.38									0.00	-64.42
	5.00			9.39	0.00	0.00	9.29	0.00	13.84	17.30	9.39		
4+0.000		1.82	1.38									0.00	-72.33
	5.00			9.42	0.00	0.00	9.27	0.00	13.84	17.30	9.42		
4+10.000		1.92	1.38									0.00	-80.21
	5.00			7.10	0.00	0.00	6.68	0.00	9.96	12.46	7.10		
4+17.197		1.91	1.38									0.00	-85.57
	3.60			2.78	0.00	0.00	2.60	0.00	3.88	4.84	2.78		
5+0.000		1.95	1.38									0.00	-87.63
	1.40			5.33	0.00	0.00	4.69	0.00	6.92	8.65	5.33		
5+5.000		2.06	1.38									0.00	-90.95
	2.50			1.36	0.00	0.00	1.11	0.00	1.62	2.02	1.36		

## EIXO 01 - (0+0.000 - 7+7.122)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
5+6.174		2.14	1.38									0.00	-91.61
	0.59			4.49	0.00	0.00	3.63	0.00	5.30	6.63	4.49		
5+10.000		2.11	1.38									0.00	-93.75
	1.92			5.08	0.00	0.00	4.66	0.00	6.92	8.65	5.08		
5+15.000		1.81	1.38									0.00	-97.32
	2.50			0.13	0.00	0.00	0.14	0.00	0.21	0.26	0.13		
5+15.152		1.80	1.38									0.00	-97.45
	0.08			3.50	0.00	0.00	4.41	0.00	6.71	8.39	3.50		
6+0.000		1.46	1.38									0.00	-102.34
	2.43			6.13	0.00	0.00	8.98	0.00	13.84	17.30	6.13		
6+10.000		1.56	1.38									0.00	-113.51
	5.00			5.79	0.00	0.00	8.92	0.00	13.84	17.30	5.79		
7+0.000		1.39	1.38									0.00	-125.02
	5.00			2.54	0.00	0.00	6.19	0.00	9.85	12.32	2.54		
7+7.122		1.07	1.38									0.00	-134.80
<b>TOTAL</b>				<b>119.72</b>	<b>0.00</b>	<b>0.00</b>	<b>135.00</b>	<b>0.00</b>	<b>203.61</b>	<b>254.52</b>	<b>119.72</b>		

## EIXO 02 (0+0.000 - 24+13.384)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+0.000		1.26	1.38									0.00	0.00
	0.00			3.87	0.00	0.00	4.55	0.00	6.92	8.65	3.87		
0+5.000		2.11	1.38									0.00	-4.78
	2.50			4.27	0.00	0.00	3.39	0.00	4.89	6.11	4.27		
0+8.534		2.09	1.38									0.00	-6.62
	1.77			1.71	0.00	0.00	1.41	0.00	2.03	2.54	1.71		
0+10.000		2.00	1.38									0.00	-7.45
	0.74			2.10	0.00	0.00	1.96	0.00	2.86	3.58	2.10		
0+12.069		1.77	1.38									0.00	-8.93
	1.04			2.72	0.00	0.00	3.74	0.00	5.74	7.18	2.72		
0+16.217		1.34	1.38									0.00	-13.39
	2.08			1.41	0.00	0.00	3.29	0.00	5.23	6.54	1.41		
1+0.000		1.21	1.38									0.00	-18.52
	1.89			1.79	0.00	0.00	4.35	0.00	6.92	8.65	1.79		
1+5.000		1.30	1.38									0.00	-25.38
	2.50			0.03	0.00	0.00	0.06	0.00	0.10	0.12	0.03		
1+5.066		1.30	1.38									0.00	-25.47
	0.04			2.52	0.00	0.00	4.38	0.00	6.82	8.53	2.52		
1+10.000		1.52	1.38									0.00	-31.48
	2.47			2.57	0.00	0.00	3.54	0.00	5.43	6.78	2.57		
1+13.916		1.60	1.38									0.00	-35.69
	1.96			4.25	0.00	0.00	5.52	0.00	8.41	10.52	4.25		



## EIXO 02 (0+0.000 - 24+13.384)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
2+0.000		1.61	1.38									0.00	-41.96
	3.04			7.20	0.00	0.00	9.09	0.00	13.84	17.30	7.20		
2+10.000		1.65	1.38									0.00	-52.06
	5.00			7.69	0.00	0.00	9.13	0.00	13.84	17.30	7.69		
3+0.000		1.72	1.38									0.00	-61.67
	5.00			7.03	0.00	0.00	7.60	0.00	11.42	14.27	7.03		
3+8.254		1.83	1.38									0.00	-68.91
	4.13			1.57	0.00	0.00	1.62	0.00	2.42	3.03	1.57		
3+10.000		1.82	1.38									0.00	-70.37
	0.88			2.56	0.00	0.00	2.67	0.00	4.00	5.00	2.56		
3+12.890		1.79	1.38									0.00	-72.81
	1.45			1.80	0.00	0.00	1.94	0.00	2.92	3.65	1.80		
3+15.000		1.75	1.38									0.00	-74.66
	1.06			2.05	0.00	0.00	2.30	0.00	3.50	4.38	2.05		
3+17.527		1.69	1.38									0.00	-76.99
	1.27			1.32	0.00	0.00	1.58	0.00	2.39	2.99	1.32		
3+19.264		1.65	1.38									0.00	-78.66
	0.87			0.54	0.00	0.00	0.67	0.00	1.02	1.28	0.54		
4+0.000		1.64	1.38									0.00	-79.40
	0.37			2.85	0.00	0.00	3.52	0.00	5.40	6.75	2.85		
4+3.901		1.63	1.38									0.00	-83.30
	1.95			0.80	0.00	0.00	0.99	0.00	1.52	1.90	0.80		

## EIXO 02 (0+0.000 - 24+13.384)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
4+5.000		1.63	1.38									0.00	-84.40
	0.55			2.97	0.00	0.00	3.27	0.00	4.90	6.12	2.97		
4+8.537		1.90	1.38									0.00	-87.55
	1.77			1.42	0.00	0.00	1.39	0.00	2.02	2.53	1.42		
4+10.000		1.95	1.38									0.00	-88.66
	0.73			1.96	0.00	0.00	1.85	0.00	2.68	3.36	1.96		
4+11.939		1.99	1.38									0.00	-90.06
	0.97			3.16	0.00	0.00	2.94	0.00	4.24	5.29	3.16		
4+15.000		2.00	1.38									0.00	-92.19
	1.53			0.30	0.00	0.00	0.27	0.00	0.40	0.50	0.30		
4+15.286		2.00	1.38									0.00	-92.39
	0.15			3.43	0.00	0.00	3.22	0.00	4.62	5.78	3.43		
4+18.633		1.97	1.38									0.00	-94.74
	1.67			1.35	0.00	0.00	1.31	0.00	1.90	2.37	1.35		
5+0.000		1.95	1.38									0.00	-95.76
	0.69			3.40	0.00	0.00	3.42	0.00	5.02	6.28	3.40		
5+3.630		1.84	1.38									0.00	-98.64
	1.82			1.22	0.00	0.00	1.28	0.00	1.90	2.37	1.22		
5+5.000		1.84	1.38									0.00	-99.79
	0.69			3.42	0.00	0.00	3.39	0.00	5.02	6.28	3.42		
5+8.627		1.94	1.38									0.00	-102.65
	1.82			1.43	0.00	0.00	1.28	0.00	1.90	2.37	1.43		

## EIXO 02 (0+0.000 - 24+13.384)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
5+10.000		2.01	1.38									0.00	-103.59
	0.69			0.23	0.00	0.00	0.20	0.00	0.29	0.36	0.23		
5+10.212		2.02	1.38									0.00	-103.72
	0.10			4.90	0.00	0.00	4.15	0.00	6.05	7.56	4.90		
5+14.577		2.10	1.38									0.00	-106.38
	2.19			0.49	0.00	0.00	0.41	0.00	0.58	0.73	0.49		
5+15.000		2.10	1.38									0.00	-106.62
	0.21			4.52	0.00	0.00	3.78	0.00	5.45	6.82	4.52		
5+18.941		2.06	1.38									0.00	-108.92
	1.97			1.16	0.00	0.00	1.01	0.00	1.47	1.83	1.16		
6+0.000		2.04	1.38									0.00	-109.59
	0.53			5.43	0.00	0.00	4.74	0.00	6.92	8.65	5.43		
6+5.000		2.03	1.38									0.00	-112.81
	2.50			5.01	0.00	0.00	4.69	0.00	6.92	8.65	5.01		
6+10.000		1.85	1.38									0.00	-116.45
	2.50			4.12	0.00	0.00	4.59	0.00	6.92	8.65	4.12		
6+15.000		1.63	1.38									0.00	-120.98
	2.50			2.51	0.00	0.00	4.43	0.03	6.92	8.69	2.51		
7+0.000		1.14	1.39									0.00	-127.16
	2.50			0.61	0.00	0.00	2.02	0.04	3.22	4.08	0.61		
7+2.330		1.12	1.40									0.00	-130.63
	1.17			0.67	0.00	0.00	2.31	0.06	3.70	4.69	0.67		

## EIXO 02 (0+0.000 - 24+13.384)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
7+5.000		1.11	1.40									0.00	-134.65
	1.33			1.59	0.00	0.00	4.36	0.06	6.92	8.73	1.59		
7+10.000		1.27	1.38									0.00	-141.79
	2.50			2.60	0.00	0.00	4.46	0.00	6.92	8.65	2.60		
7+15.000		1.55	1.38									0.00	-147.84
	2.50			3.76	0.00	0.00	4.57	0.00	6.92	8.65	3.76		
8+0.000		1.78	1.38									0.00	-152.73
	2.50			4.10	0.00	0.00	4.59	0.00	6.92	8.65	4.10		
8+5.000		1.70	1.38									0.00	-157.28
	2.50			0.56	0.00	0.00	0.66	0.00	1.00	1.25	0.56		
8+5.720		1.69	1.38									0.00	-157.96
	0.36			3.12	0.00	0.00	3.90	0.00	5.92	7.40	3.12		
8+10.000		1.59	1.38									0.00	-162.25
	2.14			6.07	0.00	0.00	8.99	0.00	13.84	17.30	6.07		
9+0.000		1.42	1.38									0.00	-173.48
	5.00			6.74	0.00	0.00	9.03	0.00	13.84	17.30	6.74		
9+10.000		1.73	1.38									0.00	-184.04
	5.00			8.61	0.00	0.00	9.19	0.00	13.84	17.30	8.61		
10+0.000		1.83	1.38									0.00	-192.73
	5.00			8.04	0.00	0.00	9.16	0.00	13.84	17.30	8.04		
10+10.000		1.61	1.38									0.00	-201.99
	5.00			5.43	0.00	0.00	8.92	0.00	13.84	17.30	5.43		

## EIXO 02 (0+0.000 - 24+13.384)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
11+0.000		1.26	1.38									0.00	-213.86
	5.00			2.42	0.00	0.00	8.63	0.31	13.84	17.69	2.42		
11+10.000		0.95	1.44									0.00	-229.13
	5.00			0.85	0.00	0.00	8.40	1.26	13.84	18.88	0.85		
12+0.000		0.90	1.57									0.00	-247.15
	5.00			2.48	0.00	0.00	8.55	0.96	13.84	18.50	2.48		
12+10.000		1.31	1.38									0.00	-263.17
	5.00			5.28	0.00	0.00	8.88	0.01	13.84	17.31	5.28		
13+0.000		1.53	1.38									0.00	-275.20
	5.00			6.09	0.00	0.00	9.03	0.00	13.84	17.30	6.09		
13+10.000		1.50	1.38									0.00	-286.41
	5.00			7.87	0.00	0.00	9.19	0.00	13.84	17.30	7.87		
14+0.000		1.91	1.38									0.00	-295.84
	5.00			8.80	0.00	0.00	9.25	0.00	13.84	17.30	8.80		
14+10.000		1.70	1.38									0.00	-304.34
	5.00			8.06	0.00	0.00	9.20	0.00	13.84	17.30	8.06		
15+0.000		1.76	1.38									0.00	-313.58
	5.00			7.55	0.00	0.00	9.14	0.00	13.84	17.30	7.55		
15+10.000		1.58	1.38									0.00	-323.33
	5.00			6.88	0.00	0.00	9.08	0.00	13.84	17.30	6.88		
16+0.000		1.61	1.38									0.00	-333.75
	5.00			6.57	0.00	0.00	9.05	0.00	13.84	17.30	6.57		

## EIXO 02 (0+0.000 - 24+13.384)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
16+10.000		1.51	1.38									0.00	-344.48
	5.00			6.68	0.00	0.00	7.89	0.00	11.92	14.90	6.68		
16+18.614		1.87	1.38									0.00	-352.70
	4.31			1.25	0.00	0.00	1.28	0.00	1.92	2.40	1.25		
17+0.000		1.81	1.38									0.00	-353.85
	0.69			2.64	0.00	0.00	2.98	0.00	4.50	5.62	2.64		
17+3.251		1.68	1.38									0.00	-356.84
	1.63			1.27	0.00	0.00	1.59	0.00	2.42	3.03	1.27		
17+5.000		1.62	1.38									0.00	-358.59
	0.88			1.91	0.00	0.00	2.60	0.00	4.00	5.00	1.91		
17+7.887		1.53	1.38									0.00	-361.68
	1.44			1.06	0.00	0.00	1.56	0.00	2.39	2.99	1.06		
17+9.625		1.48	1.38									0.00	-363.62
	0.87			0.22	0.00	0.00	0.34	0.00	0.53	0.66	0.22		
17+10.000		1.47	1.38									0.00	-364.05
	0.19			2.21	0.00	0.00	3.80	0.00	5.90	7.37	2.21		
17+14.261		1.33	1.38									0.00	-369.21
	2.13			0.33	0.00	0.00	0.65	0.00	1.02	1.28	0.33		
17+15.000		1.30	1.38									0.00	-370.16
	0.37			1.38	0.00	0.00	3.41	0.00	5.40	6.75	1.38		
17+18.898		1.14	1.38									0.00	-375.53
	1.95			0.28	0.00	0.00	0.95	0.00	1.52	1.90	0.28		

## EIXO 02 (0+0.000 - 24+13.384)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
18+0.000		1.10	1.38									0.00	-377.15
	0.55			2.16	0.00	0.00	8.13	0.00	13.09	16.37	2.16		
18+9.455		1.08	1.38									0.00	-391.36
	4.73			0.13	0.00	0.00	0.46	0.00	0.75	0.93	0.13		
18+10.000		1.10	1.38									0.00	-392.16
	0.27			1.36	0.00	0.00	3.55	0.00	5.66	7.08	1.36		
18+14.092		1.30	1.38									0.00	-397.88
	2.04			0.40	0.00	0.00	0.80	0.00	1.26	1.57	0.40		
18+15.000		1.35	1.38									0.00	-399.05
	0.46			2.08	0.00	0.00	3.32	0.00	5.16	6.45	2.08		
18+18.728		1.54	1.38									0.00	-403.43
	1.87			0.84	0.00	0.00	1.15	0.00	1.76	2.20	0.84		
19+0.000		1.58	1.38									0.00	-404.78
	0.63			0.32	0.00	0.00	0.42	0.00	0.65	0.81	0.32		
19+0.466		1.59	1.38									0.00	-405.28
	0.24			3.29	0.00	0.00	4.12	0.00	6.27	7.84	3.29		
19+5.000		1.69	1.38									0.00	-409.82
	2.26			0.08	0.00	0.00	0.09	0.00	0.14	0.17	0.08		
19+5.102		1.69	1.38									0.00	-409.92
	0.05			2.53	0.00	0.00	4.13	0.00	6.42	8.03	2.53		
19+9.739		1.20	1.38									0.00	-415.41
	2.32			0.09	0.00	0.00	0.22	0.00	0.36	0.45	0.09		

## EIXO 02 (0+0.000 - 24+13.384)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
19+10.000		1.20	1.38									0.00	-415.77
	0.13			3.42	0.00	0.00	8.72	0.00	13.84	17.30	3.42		
20+0.000		1.23	1.38									0.00	-429.65
	5.00			4.03	0.00	0.00	8.79	0.00	13.84	17.30	4.03		
20+10.000		1.33	1.38									0.00	-442.92
	5.00			4.92	0.00	0.00	8.88	0.00	13.84	17.30	4.92		
21+0.000		1.43	1.38									0.00	-455.30
	5.00			6.89	0.00	0.00	9.06	0.00	13.84	17.30	6.89		
21+10.000		1.76	1.38									0.00	-465.71
	5.00			9.42	0.00	0.00	9.28	0.00	13.84	17.30	9.42		
22+0.000		1.98	1.38									0.00	-473.59
	5.00			11.11	0.00	0.00	9.47	0.00	13.84	17.30	11.11		
22+10.000		2.14	1.38									0.00	-479.78
	5.00			3.17	0.00	0.00	2.45	0.00	3.53	4.41	3.17		
22+12.547		2.27	1.38									0.00	-481.02
	1.28			3.37	0.00	0.00	2.37	0.00	3.39	4.24	3.37		
22+15.000		2.43	1.38									0.00	-481.89
	1.22			1.60	0.00	0.00	1.06	0.00	1.49	1.87	1.60		
22+16.081		2.45	1.38									0.00	-482.16
	0.54			5.02	0.00	0.00	3.45	0.00	4.90	6.12	5.02		
22+19.615		2.30	1.38									0.00	-483.27
	1.77			0.51	0.00	0.00	0.37	0.00	0.53	0.66	0.51		



## EIXO 02 (0+0.000 - 24+13.384)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
23+0.000		2.27	1.38									0.00	-483.41
	0.19			9.65	0.00	0.00	9.32	0.00	13.84	17.30	9.65		
23+10.000		1.52	1.38									0.00	-491.06
	5.00			0.93	0.00	0.00	1.44	0.00	2.24	2.80	0.93		
23+11.615		1.42	1.38									0.00	-492.94
	0.81			1.40	0.00	0.00	2.96	0.00	4.68	5.85	1.40		
23+15.000		1.20	1.38									0.00	-497.38
	1.69			0.05	0.00	0.00	0.13	0.00	0.21	0.26	0.05		
23+15.150		1.20	1.38									0.00	-497.59
	0.07			1.43	0.00	0.00	3.10	0.00	4.89	6.11	1.43		
23+18.684		1.37	1.38									0.00	-502.27
	1.77			0.69	0.00	0.00	1.17	0.00	1.83	2.28	0.69		
24+0.000		1.46	1.38									0.00	-503.86
	0.66			7.41	0.00	0.00	9.10	0.00	13.84	17.30	7.41		
24+10.000		1.85	1.38									0.00	-513.75
	5.00			3.20	0.00	0.00	3.14	0.00	4.68	5.85	3.20		
24+13.384		1.90	1.38									0.00	-516.40
<b>TOTAL</b>				<b>340.56</b>	<b>0.00</b>	<b>0.00</b>	<b>447.18</b>	<b>2.73</b>	<b>682.84</b>	<b>856.96</b>	<b>340.56</b>		

## EIXO 03 (0+0.000 - 9+1.778)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+0.000		0.82	1.59									0.00	0.00
	0.00			1.73	0.00	0.00	8.46	1.07	13.84	18.64	1.73		
0+10.000		1.22	1.38									0.00	-16.91
	5.00			0.11	0.00	0.00	0.26	0.00	0.42	0.52	0.11		
0+10.300		1.23	1.38									0.00	-17.32
	0.15			1.64	0.00	0.00	3.15	0.00	4.89	6.11	1.64		
0+13.834		1.41	1.38									0.00	-21.78
	1.77			0.68	0.00	0.00	1.06	0.00	1.62	2.02	0.68		
0+15.000		1.46	1.38									0.00	-23.13
	0.59			1.47	0.00	0.00	2.16	0.00	3.28	4.10	1.47		
0+17.369		1.46	1.38									0.00	-25.76
	1.19			1.38	0.00	0.00	2.35	0.00	3.64	4.55	1.38		
1+0.000		1.37	1.38									0.00	-28.93
	1.32			6.08	0.00	0.00	8.46	0.00	12.97	16.21	6.08		
1+9.369		1.73	1.38									0.00	-39.06
	4.69			0.48	0.00	0.00	0.57	0.00	0.87	1.09	0.48		
1+10.000		1.76	1.38									0.00	-39.67
	0.32			2.31	0.00	0.00	2.62	0.00	4.01	5.02	2.31		
1+12.903		1.78	1.38									0.00	-42.37
	1.45			1.72	0.00	0.00	1.89	0.00	2.91	3.63	1.72		
1+15.000		1.80	1.38									0.00	-44.29
	1.05			1.24	0.00	0.00	1.30	0.00	1.99	2.49	1.24		

## EIXO 03 (0+0.000 - 9+1.778)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
1+16.437		1.84	1.38									0.00	-45.54
	0.72			3.50	0.00	0.00	3.27	0.00	4.93	6.16	3.50		
2+0.000		1.96	1.38									0.00	-48.20
	1.78			10.23	0.00	0.00	9.26	0.00	13.84	17.30	10.23		
2+10.000		1.94	1.38									0.00	-55.27
	5.00			10.63	0.00	0.00	9.39	0.00	13.84	17.30	10.63		
3+0.000		2.06	1.38									0.00	-61.94
	5.00			10.81	0.00	0.00	9.40	0.00	13.84	17.30	10.81		
3+10.000		1.98	1.38									0.00	-68.43
	5.00			8.51	0.00	0.00	9.20	0.00	13.84	17.30	8.51		
4+0.000		1.56	1.38									0.00	-77.22
	5.00			4.81	0.00	0.00	8.86	0.00	13.84	17.30	4.81		
4+10.000		1.17	1.38									0.00	-89.71
	5.00			3.76	0.00	0.00	8.76	0.00	13.84	17.30	3.76		
5+0.000		1.33	1.38									0.00	-103.25
	5.00			5.13	0.00	0.00	8.87	0.00	13.84	17.30	5.13		
5+10.000		1.47	1.38									0.00	-115.42
	5.00			7.32	0.00	0.00	9.09	0.00	13.84	17.30	7.32		
6+0.000		1.81	1.38									0.00	-125.40
	5.00			4.35	0.00	0.00	5.08	0.00	7.70	9.62	4.35		
6+5.558		1.58	1.38									0.00	-130.67
	2.78			2.57	0.00	0.00	3.98	0.00	6.14	7.68	2.57		

## EIXO 03 (0+0.000 - 9+1.778)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
6+10.000		1.37	1.38									0.00	-135.78
	2.22			1.32	0.00	0.00	2.65	0.00	4.15	5.19	1.32		
6+13.000		1.28	1.38									0.00	-139.65
	1.50			0.79	0.00	0.00	1.76	0.00	2.77	3.46	0.79		
6+15.000		1.28	1.38									0.00	-142.32
	1.00			2.39	0.00	0.00	4.44	0.00	6.92	8.65	2.39		
7+0.000		1.46	1.38									0.00	-148.58
	2.50			0.25	0.00	0.00	0.40	0.00	0.61	0.76	0.25		
7+0.443		1.48	1.38									0.00	-149.09
	0.22			4.92	0.00	0.00	6.74	0.00	10.34	12.92	4.92		
7+7.906		1.65	1.38									0.00	-157.09
	3.74			1.49	0.00	0.00	1.90	0.00	2.89	3.62	1.49		
7+10.000		1.60	1.38									0.00	-159.22
	1.05			3.90	0.00	0.00	4.57	0.00	6.92	8.65	3.90		
7+15.000		1.80	1.38									0.00	-163.97
	2.50			0.66	0.00	0.00	0.69	0.00	1.02	1.28	0.66		
7+15.744		1.84	1.38									0.00	-164.59
	0.37			4.28	0.00	0.00	3.98	0.00	5.90	7.37	4.28		
8+0.000		2.04	1.38									0.00	-167.68
	2.13			3.71	0.00	0.00	3.36	0.00	4.95	6.19	3.71		
8+3.581		1.90	1.38									0.00	-170.16
	1.79			4.99	0.00	0.00	5.60	0.00	8.48	10.60	4.99		

## EIXO 03 (0+0.000 - 9+1.778)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
8+9.709		1.55	1.38									0.00	-175.78
	3.07			0.19	0.00	0.00	0.26	0.00	0.40	0.50	0.19		
8+10.000		1.53	1.38									0.00	-176.09
	0.14			1.77	0.00	0.00	2.88	0.00	4.48	5.61	1.77		
8+13.244		1.35	1.38									0.00	-179.92
	1.62			0.80	0.00	0.00	1.55	0.00	2.44	3.04	0.80		
8+15.000		1.34	1.38									0.00	-182.17
	0.88			0.86	0.00	0.00	1.57	0.00	2.46	3.08	0.86		
8+16.778		1.40	1.38									0.00	-184.39
	0.89			1.86	0.00	0.00	2.89	0.00	4.46	5.57	1.86		
9+0.000		1.55	1.38									0.00	-188.10
	1.61			1.22	0.00	0.00	1.61	0.00	2.46	3.08	1.22		
9+1.778		1.63	1.38									0.00	-189.96
<b>TOTAL</b>				<b>125.86</b>	<b>0.00</b>	<b>0.00</b>	<b>164.29</b>	<b>1.07</b>	<b>251.58</b>	<b>315.82</b>	<b>125.86</b>		

## EIXO 04 (0+0.000 - 27+10.267)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+0.000		1.84	1.38									0.00	0.00
	0.00			2.10	0.00	0.00	3.19	0.00	4.89	6.11	2.10		
0+3.534		1.14	1.38									0.00	-4.01
	1.77			0.37	0.00	0.00	1.27	0.00	2.03	2.54	0.37		
0+5.000		1.17	1.38									0.00	-6.18
	0.74			0.93	0.00	0.00	1.82	0.00	2.86	3.58	0.93		
0+7.069		1.53	1.38									0.00	-8.83
	1.04			2.76	0.00	0.00	2.71	0.00	4.06	5.07	2.76		
0+10.000		2.20	1.38									0.00	-11.14
	1.47			5.15	0.00	0.00	3.62	0.00	5.20	6.50	5.15		
0+13.764		2.46	1.38									0.00	-12.49
	1.88			1.76	0.00	0.00	1.19	0.00	1.72	2.15	1.76		
0+15.000		2.41	1.38									0.00	-12.88
	0.62			6.72	0.00	0.00	4.79	0.00	6.92	8.65	6.72		
1+0.000		2.29	1.38									0.00	-14.81
	2.50			1.95	0.00	0.00	1.49	0.00	2.16	2.70	1.95		
1+1.564		2.20	1.38									0.00	-15.56
	0.78			3.83	0.00	0.00	3.22	0.00	4.76	5.95	3.83		
1+5.000		1.99	1.38									0.00	-17.68
	1.72			3.66	0.00	0.00	4.00	0.00	6.03	7.54	3.66		
1+9.364		1.59	1.38									0.00	-21.56
	2.18			0.42	0.00	0.00	0.58	0.00	0.89	1.11	0.42		

## EIXO 04 (0+0.000 - 27+10.267)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
1+10.000		1.56	1.38									0.00	-22.25
	0.32			6.20	0.00	0.00	9.02	0.00	13.84	17.30	6.20		
2+0.000		1.48	1.38									0.00	-33.35
	5.00			1.34	0.00	0.00	2.01	0.00	3.10	3.88	1.34		
2+2.241		1.51	1.38									0.00	-35.89
	1.12			1.73	0.00	0.00	2.48	0.00	3.82	4.77	1.73		
2+5.000		1.55	1.38									0.00	-38.93
	1.38			3.40	0.00	0.00	4.52	0.00	6.92	8.65	3.40		
2+10.000		1.62	1.38									0.00	-44.18
	2.50			3.80	0.00	0.00	4.57	0.00	6.92	8.65	3.80		
2+15.000		1.73	1.38									0.00	-49.03
	2.50			4.35	0.00	0.00	4.62	0.00	6.92	8.65	4.35		
3+0.000		1.86	1.38									0.00	-53.33
	2.50			1.48	0.00	0.00	1.43	0.00	2.15	2.68	1.48		
3+1.548		1.91	1.38									0.00	-54.53
	0.77			3.53	0.00	0.00	3.23	0.00	4.77	5.97	3.53		
3+5.000		2.01	1.38									0.00	-56.97
	1.73			5.80	0.00	0.00	4.74	0.00	6.92	8.65	5.80		
3+10.000		2.20	1.38									0.00	-59.82
	2.50			6.45	0.00	0.00	4.79	0.00	6.92	8.65	6.45		
3+15.000		2.29	1.38									0.00	-62.02
	2.50			6.64	0.00	0.00	4.81	0.00	6.92	8.65	6.64		

## EIXO 04 (0+0.000 - 27+10.267)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
4+0.000		2.28	1.38									0.00	-64.03
	2.50			1.13	0.00	0.00	0.82	0.00	1.18	1.47	1.13		
4+0.854		2.28	1.38									0.00	-64.37
	0.42			9.85	0.00	0.00	8.61	0.00	12.66	15.83	9.85		
4+10.000		1.76	1.38									0.00	-70.35
	4.58			5.93	0.00	0.00	9.07	0.00	13.84	17.30	5.93		
5+0.000		1.24	1.38									0.00	-81.72
	5.00			3.29	0.00	0.00	8.94	0.63	13.84	18.09	3.29		
5+10.000		1.20	1.51									0.00	-96.52
	5.00			3.95	0.00	0.00	8.98	1.17	13.84	18.76	3.95		
6+0.000		1.38	1.49									0.00	-111.33
	5.00			6.44	0.00	0.00	9.28	0.68	13.84	18.15	6.44		
6+10.000		1.76	1.41									0.00	-123.04
	5.00			8.66	0.00	0.00	9.59	0.14	13.84	17.48	8.66		
7+0.000		1.89	1.38									0.00	-131.86
	5.00			11.34	0.00	0.00	9.89	0.00	13.84	17.30	11.34		
7+10.000		2.36	1.38									0.00	-137.82
	5.00			19.83	0.00	0.00	10.42	0.00	13.84	17.30	17.30		
8+0.000		3.69	1.38									0.00	-135.29
	5.00			26.46	0.00	0.00	10.60	0.00	13.84	17.30	17.30		
8+10.000		3.72	1.38									0.00	-126.13
	5.00			19.46	0.00	0.00	11.09	8.19	13.84	27.54	19.46		



## EIXO 04 (0+0.000 - 27+10.267)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
9+0.000		2.39	3.02									0.00	-134.20
	5.00			15.76	0.00	0.00	11.07	8.19	13.84	27.54	15.76		
9+10.000		2.98	1.38									0.00	-145.98
	5.00			6.81	0.00	0.00	3.80	0.00	5.20	6.50	6.50		
9+13.761		2.67	1.38									0.00	-145.67
	1.88			1.74	0.00	0.00	1.19	0.00	1.72	2.15	1.74		
9+15.000		2.06	1.38									0.00	-146.08
	0.62			4.10	0.00	0.00	4.58	0.00	6.92	8.65	4.10		
10+0.000		1.42	1.38									0.00	-150.63
	2.50			1.71	0.00	0.00	4.21	0.00	6.62	8.27	1.71		
10+4.782		1.06	1.38									0.00	-157.19
	2.39			0.04	0.00	0.00	0.19	0.00	0.30	0.38	0.04		
10+5.000		1.05	1.38									0.00	-157.53
	0.11			0.52	0.00	0.00	4.31	0.15	6.92	8.84	0.52		
10+10.000		0.89	1.44									0.00	-165.85
	2.50			0.22	0.00	0.00	4.25	0.56	6.92	9.35	0.22		
10+15.000		0.90	1.54									0.00	-174.98
	2.50			0.05	0.00	0.00	0.67	0.13	1.11	1.55	0.05		
10+15.803		0.90	1.55									0.00	-176.47
	0.40			0.31	0.00	0.00	3.52	0.72	5.81	8.17	0.31		
11+0.000		0.92	1.55									0.00	-184.33
	2.10			0.48	0.00	0.00	8.28	2.59	13.84	20.54	0.48		

## EIXO 04 (0+0.000 - 27+10.267)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
11+0.000		0.83	1.73									0.00	-204.39
	5.00			0.06	0.00	0.00	8.18	4.66	13.84	23.13	0.06		
12+0.000		0.82	1.97									0.00	-227.45
	5.00			5.75	0.00	0.00	8.85	2.94	13.84	20.98	5.75		
12+10.000		2.10	1.38									0.00	-242.68
	5.00			13.23	0.00	0.00	9.75	0.00	13.84	17.30	13.23		
13+0.000		2.49	1.38									0.00	-246.75
	5.00			11.22	0.00	0.00	9.56	0.00	13.84	17.30	11.22		
13+10.000		1.67	1.38									0.00	-252.83
	5.00			9.93	0.00	0.00	9.40	0.00	13.84	17.30	9.93		
14+0.000		2.20	1.38									0.00	-260.20
	5.00			19.44	0.00	0.00	10.23	0.00	13.84	17.30	17.30		
14+10.000		3.73	1.38									0.00	-258.06
	5.00			29.85	0.00	0.00	11.04	0.00	13.84	17.30	17.30		
15+0.000		4.44	1.38									0.00	-245.51
	5.00			28.32	0.00	0.00	10.87	0.00	13.84	17.30	17.30		
15+10.000		3.39	1.38									0.00	-234.49
	5.00			20.89	0.00	0.00	10.29	0.00	13.84	17.30	17.30		
16+0.000		2.84	1.38									0.00	-230.90
	5.00			16.32	0.00	0.00	9.93	0.00	13.84	17.30	16.32		
16+10.000		2.41	1.38									0.00	-231.88
	5.00			12.86	0.00	0.00	9.63	0.00	13.84	17.30	12.86		

## EIXO 04 (0+0.000 - 27+10.267)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
17+0.000		2.09	1.38									0.00	-236.32
	5.00			10.05	0.00	0.00	9.37	0.00	13.84	17.30	10.05		
17+10.000		1.79	1.38									0.00	-243.57
	5.00			8.49	0.00	0.00	9.24	0.00	13.84	17.30	8.49		
18+0.000		1.75	1.38									0.00	-252.38
	5.00			7.60	0.00	0.00	9.14	0.00	13.84	17.30	7.60		
18+10.000		1.60	1.38									0.00	-262.08
	5.00			6.48	0.00	0.00	9.02	0.00	13.84	17.30	6.48		
19+0.000		1.50	1.38									0.00	-272.90
	5.00			6.97	0.00	0.00	9.10	0.00	13.84	17.30	6.97		
19+10.000		1.71	1.38									0.00	-283.23
	5.00			7.84	0.00	0.00	9.18	0.00	13.84	17.30	7.84		
20+0.000		1.70	1.38									0.00	-292.69
	5.00			7.67	0.00	0.00	9.12	0.00	13.84	17.30	7.67		
20+10.000		1.66	1.38									0.00	-302.32
	5.00			7.98	0.00	0.00	9.14	0.00	13.84	17.30	7.98		
21+0.000		1.76	1.38									0.00	-311.64
	5.00			8.74	0.00	0.00	9.21	0.00	13.84	17.30	8.74		
21+10.000		1.83	1.38									0.00	-320.20
	5.00			9.45	0.00	0.00	9.29	0.00	13.84	17.30	9.45		
22+0.000		1.92	1.38									0.00	-328.05
	5.00			8.29	0.00	0.00	9.18	0.00	13.84	17.30	8.29		

## EIXO 04 (0+0.000 - 27+10.267)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
22+10.000		1.58	1.38									0.00	-337.06
	5.00			5.47	0.00	0.00	8.93	0.00	13.84	17.30	5.47		
23+0.000		1.30	1.38									0.00	-348.89
	5.00			5.53	0.00	0.00	8.96	0.00	13.84	17.30	5.53		
23+10.000		1.59	1.38									0.00	-360.66
	5.00			7.69	0.00	0.00	9.14	0.00	13.84	17.30	7.69		
24+0.000		1.77	1.38									0.00	-370.27
	5.00			10.38	0.00	0.00	9.36	0.00	13.84	17.30	10.38		
24+10.000		2.18	1.38									0.00	-377.19
	5.00			11.80	0.00	0.00	9.53	0.00	13.84	17.30	11.80		
25+0.000		2.09	1.38									0.00	-382.69
	5.00			10.01	0.00	0.00	9.38	0.00	13.84	17.30	10.01		
25+10.000		1.79	1.38									0.00	-389.98
	5.00			5.25	0.00	0.00	8.97	0.00	13.84	17.30	5.25		
26+0.000		1.06	1.38									0.00	-402.03
	5.00			1.00	0.00	0.00	8.47	0.99	13.84	18.54	1.00		
26+10.000		0.84	1.58									0.00	-419.56
	5.00			0.02	0.00	0.00	2.86	0.64	4.82	6.82	0.02		
26+13.481		0.82	1.55									0.00	-426.37
	1.74			0.00	0.00	0.00	1.25	0.25	2.10	2.94	0.00		
26+15.000		0.81	1.55									0.00	-429.31
	0.76			0.00	0.00	0.00	0.69	0.14	1.16	1.63	0.00		

## EIXO 04 (0+0.000 - 27+10.267)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
26+15.837		0.81	1.57									0.00	-430.94
	0.42			0.00	0.00	0.00	1.93	0.61	3.25	4.83	0.00		
26+18.193		0.80	1.77									0.00	-435.76
	1.18			0.00	0.00	0.00	1.45	1.05	2.51	4.44	0.00		
27+0.000		0.80	2.16									0.00	-440.21
	0.90			0.00	0.00	0.00	0.44	0.46	0.76	1.53	0.00		
27+0.555		0.80	2.27									0.00	-441.73
	0.27			0.00	0.00	0.00	1.87	2.17	3.27	6.80	0.00		
27+2.911		0.77	2.25									0.00	-448.53
	1.18			0.00	0.00	0.00	1.62	1.62	2.89	5.64	0.00		
27+5.000		0.77	2.05									0.00	-454.17
	1.05			0.00	0.00	0.00	0.21	0.17	0.37	0.68	0.00		
27+5.267		0.77	2.03									0.00	-454.85
	0.13			0.00	0.00	0.00	3.77	2.01	6.55	10.70	0.00		
27+10.000		0.82	1.58									0.00	-465.54
	2.37			0.00	0.00	0.00	0.22	0.06	0.37	0.54	0.00		
27+10.267		0.81	1.63									0.00	-466.09
<b>TOTAL</b>				<b>537.03</b>	<b>0.00</b>	<b>0.00</b>	<b>515.23</b>	<b>40.92</b>	<b>761.57</b>	<b>1003.12</b>	<b>495.73</b>		

## EIXO 05 ( 0+0.000 - 55+15.960)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+0.000		1.34	1.38									0.00	0.00
	0.00			1.12	0.00	0.00	4.22	1.16	6.92	10.10	1.12		
0+5.000		0.80	1.85									0.00	-8.98
	2.50			0.00	0.00	0.00	1.85	1.54	3.27	6.01	0.00		
0+7.356		0.76	2.26									0.00	-14.99
	1.18			0.00	0.00	0.00	1.85	2.32	3.25	6.97	0.00		
0+9.712		0.80	2.44									0.00	-21.95
	1.18			0.00	0.00	0.00	0.23	0.30	0.40	0.88	0.00		
0+10.000		0.80	2.44									0.00	-22.83
	0.15			0.00	0.00	0.00	1.53	2.03	2.67	5.88	0.00		
0+11.928		0.79	2.43									0.00	-28.71
	0.97			0.00	0.00	0.00	1.86	2.48	3.27	7.18	0.00		
0+14.289		0.80	2.47									0.00	-35.89
	1.18			0.00	0.00	0.00	0.57	0.77	0.98	2.19	0.00		
0+15.000		0.80	2.46									0.00	-38.08
	0.36			0.00	0.00	0.00	1.31	1.74	2.28	5.03	0.00		
0+16.651		0.79	2.43									0.00	-43.11
	0.82			0.00	0.00	0.00	2.64	3.54	4.64	10.22	0.00		
1+0.000		0.79	2.44									0.00	-53.33
	1.68			0.00	0.00	0.00	8.06	9.51	13.84	29.19	0.00		
1+10.000		0.83	2.23									0.00	-82.52
	5.00			0.00	0.00	0.00	8.29	5.37	13.84	24.01	0.00		

## EIXO 05 ( 0+0.000 - 55+15.960)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
2+0.000		0.83	1.61									0.00	-106.53
	5.00			8.17	0.00	0.00	9.10	1.14	13.84	18.73	8.17		
2+10.000		2.62	1.38									0.00	-117.09
	5.00			15.85	0.00	0.00	9.84	0.00	13.84	17.30	15.85		
3+0.000		2.52	1.38									0.00	-118.54
	5.00			13.33	0.00	0.00	9.66	0.00	13.84	17.30	13.33		
3+10.000		2.08	1.38									0.00	-122.51
	5.00			11.29	0.00	0.00	9.54	0.00	13.84	17.30	11.29		
4+0.000		2.09	1.38									0.00	-128.52
	5.00			11.96	0.00	0.00	9.58	0.00	13.84	17.30	11.96		
4+10.000		2.22	1.38									0.00	-133.86
	5.00			11.72	0.00	0.00	9.54	0.00	13.84	17.30	11.72		
5+0.000		2.03	1.38									0.00	-139.44
	5.00			10.54	0.00	0.00	9.44	0.00	13.84	17.30	10.54		
5+10.000		1.97	1.38									0.00	-146.20
	5.00			10.25	0.00	0.00	9.39	0.00	13.84	17.30	10.25		
6+0.000		1.96	1.38									0.00	-153.25
	5.00			6.56	0.00	0.00	6.37	0.00	9.41	11.76	6.56		
6+6.796		1.85	1.38									0.00	-158.45
	3.40			1.63	0.00	0.00	1.67	0.00	2.44	3.04	1.63		
6+8.563		1.83	1.38									0.00	-159.86
	0.88			1.31	0.00	0.00	1.35	0.00	1.99	2.49	1.31		

## EIXO 05 ( 0+0.000 - 55+15.960)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
6+10.000		1.81	1.38									0.00	-161.05
	0.72			0.30	0.00	0.00	0.31	0.00	0.46	0.57	0.30		
6+10.330		1.81	1.38									0.00	-161.32
	0.17			1.43	0.00	0.00	1.46	0.00	2.19	2.73	1.43		
6+11.906		1.85	1.38									0.00	-162.62
	0.79			1.66	0.00	0.00	1.63	0.00	2.44	3.04	1.66		
6+13.673		1.90	1.38									0.00	-164.00
	0.88			1.30	0.00	0.00	1.23	0.00	1.84	2.30	1.30		
6+15.000		1.91	1.38									0.00	-165.01
	0.67			0.43	0.00	0.00	0.41	0.00	0.61	0.76	0.43		
6+15.440		1.90	1.38									0.00	-165.34
	0.22			4.44	0.00	0.00	4.25	0.00	6.31	7.89	4.44		
7+0.000		1.91	1.38									0.00	-168.79
	2.28			10.49	0.00	0.00	9.35	0.00	13.84	17.30	10.49		
7+10.000		2.06	1.38									0.00	-175.60
	5.00			11.73	0.00	0.00	9.43	0.00	13.84	17.30	11.73		
8+0.000		2.17	1.38									0.00	-181.17
	5.00			12.57	0.00	0.00	9.56	0.00	13.84	17.30	12.57		
8+10.000		2.26	1.38									0.00	-185.90
	5.00			12.38	0.00	0.00	9.54	0.00	13.84	17.30	12.38		
9+0.000		2.13	1.38									0.00	-190.82
	5.00			9.44	0.00	0.00	9.09	0.98	13.84	18.53	9.44		



## EIXO 05 ( 0+0.000 - 55+15.960)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
9+10.000		1.58	1.58									0.00	-199.90
	5.00			8.07	0.00	0.00	8.91	1.07	13.84	18.64	8.07		
10+0.000		1.82	1.40									0.00	-210.47
	5.00			10.44	0.00	0.00	9.29	0.09	13.84	17.41	10.44		
10+10.000		2.13	1.38									0.00	-217.44
	5.00			12.26	0.00	0.00	9.52	0.00	13.84	17.30	12.26		
11+0.000		2.23	1.38									0.00	-222.48
	5.00			13.00	0.00	0.00	9.56	0.00	13.84	17.30	13.00		
11+10.000		2.28	1.38									0.00	-226.78
	5.00			12.71	0.00	0.00	9.55	0.00	13.84	17.30	12.71		
12+0.000		2.17	1.38									0.00	-231.37
	5.00			11.92	0.00	0.00	9.55	0.00	13.84	17.30	11.92		
12+10.000		2.12	1.38									0.00	-236.75
	5.00			11.52	0.00	0.00	9.57	0.00	13.84	17.30	11.52		
13+0.000		2.09	1.38									0.00	-242.53
	5.00			11.42	0.00	0.00	9.62	0.00	13.84	17.30	11.42		
13+10.000		2.11	1.38									0.00	-248.41
	5.00			10.70	0.00	0.00	9.56	0.00	13.84	17.30	10.70		
14+0.000		1.94	1.38									0.00	-255.01
	5.00			12.22	0.00	0.00	9.60	0.00	13.84	17.30	12.22		
14+10.000		2.43	1.38									0.00	-260.09
	5.00			15.04	0.00	0.00	9.72	0.00	13.84	17.30	15.04		

## EIXO 05 ( 0+0.000 - 55+15.960)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
15+0.000		2.53	1.38									0.00	-262.35
	5.00			11.25	0.00	0.00	6.36	0.00	8.87	11.09	11.09		
15+6.412		2.97	1.38									0.00	-262.19
	3.21			3.65	0.00	0.00	1.86	0.00	2.45	3.06	3.06		
15+8.179		2.89	1.38									0.00	-261.60
	0.88			3.25	0.00	0.00	1.83	0.00	2.45	3.06	3.06		
15+9.946		2.49	1.38									0.00	-261.41
	0.88			2.03	0.00	0.00	1.53	0.00	2.17	2.72	2.03		
15+11.522		2.03	1.38									0.00	-262.10
	0.78			1.61	0.00	0.00	1.64	0.00	2.45	3.06	1.61		
15+13.289		1.80	1.38									0.00	-263.55
	0.89			1.40	0.00	0.00	1.57	0.00	2.37	2.96	1.40		
15+15.000		1.77	1.38									0.00	-265.11
	0.85			0.05	0.00	0.00	0.05	0.00	0.08	0.10	0.05		
15+15.056		1.77	1.38									0.00	-265.16
	0.03			4.12	0.00	0.00	4.60	0.00	6.84	8.55	4.12		
16+0.000		1.76	1.38									0.00	-269.59
	2.47			6.06	0.00	0.00	5.80	0.00	8.51	10.64	6.06		
16+6.149		2.10	1.38									0.00	-274.17
	3.07			4.50	0.00	0.00	3.69	0.00	5.33	6.66	4.50		
16+10.000		2.16	1.38									0.00	-276.33
	1.93			5.90	0.00	0.00	4.82	0.00	6.92	8.65	5.90		

## EIXO 05 ( 0+0.000 - 55+15.960)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
16+15.000		2.13	1.38									0.00	-279.08
	2.50			5.92	0.00	0.00	4.88	0.00	6.92	8.65	5.92		
17+0.000		2.19	1.38									0.00	-281.81
	2.50			1.43	0.00	0.00	1.16	0.00	1.63	2.04	1.43		
17+1.180		2.20	1.38									0.00	-282.42
	0.59			4.71	0.00	0.00	3.77	0.00	5.29	6.61	4.71		
17+5.000		2.24	1.38									0.00	-284.32
	1.91			6.47	0.00	0.00	4.88	0.00	6.92	8.65	6.47		
17+10.000		2.30	1.38									0.00	-286.50
	2.50			6.81	0.00	0.00	4.83	0.00	6.92	8.65	6.81		
17+15.000		2.36	1.38									0.00	-288.34
	2.50			1.69	0.00	0.00	1.17	0.00	1.67	2.09	1.69		
17+16.211		2.37	1.38									0.00	-288.74
	0.60			5.28	0.00	0.00	3.67	0.00	5.25	6.56	5.28		
18+0.000		2.35	1.38									0.00	-290.02
	1.90			12.77	0.00	0.00	9.56	0.00	13.84	17.30	12.77		
18+10.000		2.11	1.38									0.00	-294.55
	5.00			9.44	0.00	0.00	9.27	0.00	13.84	17.30	9.44		
19+0.000		1.63	1.38									0.00	-302.41
	5.00			3.83	0.00	0.00	8.69	1.43	13.84	19.09	3.83		
19+10.000		0.87	1.67									0.00	-317.67
	5.00			0.46	0.00	0.00	8.31	3.00	13.84	21.05	0.46		

## EIXO 05 ( 0+0.000 - 55+15.960)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
20+0.000		0.88	1.70									0.00	-338.26
	5.00			0.81	0.00	0.00	8.41	1.81	13.84	19.56	0.81		
20+10.000		0.96	1.43									0.00	-357.01
	5.00			1.84	0.00	0.00	8.57	0.25	13.84	17.61	1.84		
21+0.000		1.12	1.38									0.00	-372.78
	5.00			3.84	0.00	0.00	8.80	0.02	13.84	17.33	3.84		
21+10.000		1.41	1.38									0.00	-386.27
	5.00			6.23	0.00	0.00	9.14	0.00	13.84	17.30	6.23		
22+0.000		1.66	1.38									0.00	-397.34
	5.00			7.03	0.00	0.00	10.22	0.00	13.84	17.30	7.03		
22+10.000		1.79	1.38									0.00	-407.61
	5.00			8.77	0.00	0.00	10.27	0.02	13.84	17.33	8.77		
23+0.000		2.02	1.38									0.00	-416.16
	5.00			10.28	0.00	0.00	9.45	0.02	13.84	17.33	10.28		
23+10.000		1.93	1.38									0.00	-423.21
	5.00			8.57	0.00	0.00	9.38	0.00	13.84	17.30	8.57		
24+0.000		1.66	1.38									0.00	-431.94
	5.00			6.37	0.00	0.00	9.23	0.00	13.84	17.30	6.37		
24+10.000		1.46	1.38									0.00	-442.87
	5.00			4.56	0.00	0.00	9.13	0.00	13.84	17.30	4.56		
25+0.000		1.28	1.38									0.00	-455.61
	5.00			3.27	0.00	0.00	9.07	0.02	13.84	17.33	3.27		

## EIXO 05 ( 0+0.000 - 55+15.960)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
25+10.000		1.18	1.38									0.00	-469.66
	5.00			2.55	0.00	0.00	8.94	0.35	13.84	17.74	2.55		
26+0.000		1.11	1.45									0.00	-484.85
	5.00			3.64	0.00	0.00	8.89	0.34	13.84	17.73	3.64		
26+10.000		1.39	1.38									0.00	-498.94
	5.00			5.08	0.00	0.00	8.95	0.00	13.84	17.30	5.08		
27+0.000		1.42	1.38									0.00	-511.16
	5.00			6.77	0.00	0.00	9.08	0.00	13.84	17.30	6.77		
27+10.000		1.76	1.38									0.00	-521.69
	5.00			8.30	0.00	0.00	9.22	0.00	13.84	17.30	8.30		
28+0.000		1.75	1.38									0.00	-530.69
	5.00			9.13	0.00	0.00	9.66	0.00	13.84	17.30	9.13		
28+10.000		2.01	1.38									0.00	-538.86
	5.00			11.26	0.00	0.00	9.82	0.00	13.84	17.30	11.26		
29+0.000		2.21	1.38									0.00	-544.90
	5.00			11.91	0.00	0.00	9.52	0.00	13.84	17.30	11.91		
29+10.000		2.08	1.38									0.00	-550.29
	5.00			10.71	0.00	0.00	9.43	0.00	13.84	17.30	10.71		
30+0.000		1.95	1.38									0.00	-556.88
	5.00			9.61	0.00	0.00	9.29	0.00	13.84	17.30	9.61		
30+10.000		1.83	1.38									0.00	-564.57
	5.00			8.52	0.00	0.00	9.19	0.00	13.84	17.30	8.52		

## EIXO 05 ( 0+0.000 - 55+15.960)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
31+0.000		1.71	1.38									0.00	-573.35
	5.00			7.33	0.00	0.00	9.12	0.00	13.84	17.30	7.33		
31+10.000		1.58	1.38									0.00	-583.32
	5.00			7.22	0.00	0.00	9.09	0.00	13.84	17.30	7.22		
32+0.000		1.68	1.38									0.00	-593.40
	5.00			8.17	0.00	0.00	9.17	0.00	13.84	17.30	8.17		
32+10.000		1.79	1.38									0.00	-602.53
	5.00			0.58	0.00	0.00	0.62	0.00	0.93	1.16	0.58		
32+10.669		1.79	1.38									0.00	-603.10
	0.33			1.61	0.00	0.00	1.65	0.00	2.45	3.06	1.61		
32+12.436		1.81	1.38									0.00	-604.56
	0.89			1.65	0.00	0.00	1.65	0.00	2.44	3.04	1.65		
32+14.203		1.80	1.38									0.00	-605.95
	0.88			1.36	0.00	0.00	1.45	0.00	2.19	2.73	1.36		
32+15.779		1.77	1.38									0.00	-607.32
	0.79			1.57	0.00	0.00	1.65	0.00	2.45	3.06	1.57		
32+17.546		1.93	1.38									0.00	-608.82
	0.88			1.84	0.00	0.00	1.70	0.00	2.44	3.04	1.84		
32+19.313		2.01	1.38									0.00	-610.02
	0.88			6.23	0.00	0.00	5.12	0.00	7.87	9.84	6.23		
33+5.000		1.98	1.38									0.00	-613.63
	2.85			5.84	0.00	0.00	4.58	0.00	6.92	8.65	5.84		

## EIXO 05 ( 0+0.000 - 55+15.960)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
33+10.000		2.19	1.38									0.00	-616.44
	2.50			13.03	0.00	0.00	9.68	0.00	13.84	17.30	13.03		
34+0.000		2.35	1.38									0.00	-620.71
	5.00			14.04	0.00	0.00	9.77	0.00	13.84	17.30	14.04		
34+10.000		2.41	1.38									0.00	-623.97
	5.00			13.86	0.00	0.00	9.97	0.00	13.84	17.30	13.86		
35+0.000		2.36	1.38									0.00	-627.41
	5.00			13.50	0.00	0.00	9.90	0.00	13.84	17.30	13.50		
35+10.000		2.32	1.38									0.00	-631.21
	5.00			14.46	0.00	0.00	9.97	0.00	13.84	17.30	14.46		
36+0.000		2.56	1.38									0.00	-634.05
	5.00			15.61	0.00	0.00	10.06	0.00	13.84	17.30	15.61		
36+10.000		2.57	1.38									0.00	-635.74
	5.00			15.53	0.00	0.00	10.07	0.00	13.84	17.30	15.53		
37+0.000		2.55	1.38									0.00	-637.51
	5.00			15.08	0.00	0.00	10.01	0.00	13.84	17.30	15.08		
37+10.000		2.47	1.38									0.00	-639.73
	5.00			14.31	0.00	0.00	9.89	0.00	13.84	17.30	14.31		
38+0.000		2.37	1.38									0.00	-642.72
	5.00			13.52	0.00	0.00	9.73	0.00	13.84	17.30	13.52		
38+10.000		2.28	1.38									0.00	-646.50
	5.00			12.84	0.00	0.00	9.65	0.00	13.84	17.30	12.84		

## EIXO 05 ( 0+0.000 - 55+15.960)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+) (-)	
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
39+0.000		2.22	1.38									0.00	-650.96
	5.00			12.47	0.00	0.00	9.59	0.00	13.84	17.30	12.47		
39+10.000		2.19	1.38									0.00	-655.79
	5.00			12.28	0.00	0.00	9.53	0.00	13.84	17.30	12.28		
40+0.000		2.17	1.38									0.00	-660.81
	5.00			12.08	0.00	0.00	9.53	0.00	13.84	17.30	12.08		
40+10.000		2.15	1.38									0.00	-666.03
	5.00			12.12	0.00	0.00	9.63	0.00	13.84	17.30	12.12		
41+0.000		2.20	1.38									0.00	-671.21
	5.00			15.95	0.00	0.00	10.00	0.00	13.84	17.30	15.95		
41+10.000		2.99	1.38									0.00	-672.56
	5.00			6.23	0.00	0.00	3.06	0.00	4.07	5.09	5.09		
41+12.944		3.32	1.38									0.00	-671.42
	1.47			4.73	0.00	0.00	2.19	0.00	2.82	3.53	3.53		
41+14.981		3.22	1.38									0.00	-670.22
	1.02			0.04	0.00	0.00	0.02	0.00	0.03	0.03	0.03		
41+15.000		3.22	1.38									0.00	-670.21
	0.01			4.06	0.00	0.00	2.10	0.00	2.80	3.49	3.49		
41+17.018		2.71	1.38									0.00	-669.65
	1.01			4.98	0.00	0.00	2.93	0.00	4.12	5.16	4.98		
42+0.000		2.60	1.38									0.00	-669.82
	1.49			3.95	0.00	0.00	3.48	0.00	5.20	6.50	3.95		



## EIXO 05 ( 0+0.000 - 55+15.960)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
42+3.765		1.35	1.38									0.00	-672.38
	1.88			0.35	0.00	0.00	1.05	0.03	1.72	2.18	0.35		
42+5.000		0.99	1.41									0.00	-674.21
	0.62			0.06	0.00	0.00	0.66	0.08	1.11	1.48	0.06		
42+5.802		0.88	1.50									0.00	-675.64
	0.40			0.04	0.00	0.00	1.63	0.57	2.82	4.24	0.04		
42+7.838		0.82	1.73									0.00	-679.84
	1.02			0.00	0.00	0.00	1.75	0.94	2.99	4.91	0.00		
42+10.000		0.80	1.91									0.00	-684.75
	1.08			0.09	0.00	0.00	8.12	3.80	13.84	22.05	0.09		
43+0.000		0.84	1.61									0.00	-706.71
	5.00			1.32	0.00	0.00	8.42	1.25	13.84	18.86	1.32		
43+10.000		1.11	1.40									0.00	-724.25
	5.00			3.31	0.00	0.00	8.78	0.10	13.84	17.43	3.31		
44+0.000		1.31	1.38									0.00	-738.37
	5.00			5.58	0.00	0.00	9.02	0.02	13.84	17.33	5.58		
44+10.000		1.61	1.38									0.00	-750.11
	5.00			7.52	0.00	0.00	9.37	0.01	13.84	17.31	7.52		
45+0.000		1.77	1.38									0.00	-759.90
	5.00			9.49	0.00	0.00	9.59	0.00	13.84	17.30	9.49		
45+10.000		2.05	1.38									0.00	-767.71
	5.00			11.04	0.00	0.00	9.55	0.00	13.84	17.30	11.04		

## EIXO 05 ( 0+0.000 - 55+15.960)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
46+0.000		2.07	1.38									0.00	-773.97
	5.00			13.09	0.00	0.00	9.77	0.00	13.84	17.30	13.09		
46+10.000		2.50	1.38									0.00	-778.18
	5.00			17.05	0.00	0.00	10.17	0.00	13.84	17.30	17.05		
47+0.000		2.94	1.38									0.00	-778.43
	5.00			20.20	0.00	0.00	10.49	0.00	13.84	17.30	17.30		
47+10.000		3.20	1.38									0.00	-775.53
	5.00			19.81	0.00	0.00	10.84	0.00	13.84	17.30	17.30		
48+0.000		2.93	1.38									0.00	-773.02
	5.00			15.12	0.00	0.00	10.40	0.00	13.84	17.30	15.12		
48+10.000		2.17	1.38									0.00	-775.20
	5.00			9.53	0.00	0.00	9.52	0.01	13.84	17.31	9.53		
49+0.000		1.63	1.38									0.00	-782.99
	5.00			10.11	0.00	0.00	9.51	0.01	13.84	17.31	10.11		
49+10.000		2.29	1.38									0.00	-790.19
	5.00			13.26	0.00	0.00	9.76	0.00	13.84	17.30	13.26		
50+0.000		2.31	1.38									0.00	-794.23
	5.00			12.80	0.00	0.00	9.75	0.00	13.84	17.30	12.80		
50+10.000		2.19	1.38									0.00	-798.73
	5.00			9.97	0.00	0.00	9.48	0.00	13.84	17.30	9.97		
51+0.000		1.69	1.38									0.00	-806.06
	5.00			4.39	0.00	0.00	8.79	1.34	13.84	18.98	4.39		

## EIXO 05 ( 0+0.000 - 55+15.960)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
51+10.000		0.94	1.65									0.00	-820.64
	5.00			0.52	0.00	0.00	8.50	7.31	13.84	26.44	0.52		
52+0.000		0.86	2.57									0.00	-846.56
	5.00			0.00	0.00	0.00	9.08	18.20	13.84	40.05	0.00		
52+10.000		0.95	3.83									0.00	-886.61
	5.00			0.00	0.00	0.00	9.37	27.71	13.84	51.94	0.00		
53+0.000		0.92	4.48									0.00	-938.55
	5.00			2.29	0.00	0.00	9.24	17.66	13.84	39.38	2.29		
53+10.000		1.39	1.82									0.00	-975.63
	5.00			2.34	0.00	0.00	10.33	11.72	13.84	31.95	2.34		
54+0.000		1.15	3.29									0.00	-1005.25
	5.00			0.05	0.00	0.00	11.73	37.00	13.84	63.55	0.05		
54+10.000		1.21	6.87									0.00	-1068.75
	5.00			0.00	0.00	0.00	8.37	33.47	8.72	52.74	0.00		
54+16.299		1.45	6.52									0.00	-1121.48
	3.15			0.00	0.00	0.00	3.56	15.05	4.90	24.94	0.00		
54+19.841		1.31	7.33									0.00	-1146.42
	1.77			0.00	0.00	0.00	0.17	0.78	0.22	1.25	0.00		
55+0.000		1.30	7.41									0.00	-1147.67
	0.08			0.00	0.00	0.00	3.72	20.89	4.68	31.96	0.00		
55+3.382		1.37	10.20									0.00	-1179.63
	1.69			0.00	0.00	0.00	1.91	12.77	1.80	18.21	0.00		

## EIXO 05 ( 0+0.000 - 55+15.960)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
55+4.676		1.58	12.29									0.00	-1197.84
	0.65			0.00	0.00	0.00	0.62	4.23	0.44	5.84	0.00		
55+5.000		1.61	12.78									0.00	-1203.68
	0.16			0.00	0.00	0.00	5.56	38.02	3.90	52.40	0.00		
55+7.818		1.68	12.99									0.00	-1256.09
	1.41			0.00	0.00	0.00	3.90	24.46	3.02	34.35	0.00		
55+10.000		1.47	9.81									0.00	-1290.43
	1.09			0.00	0.00	0.00	1.37	7.43	1.33	10.95	0.00		
55+10.960		1.33	8.24									0.00	-1301.38
	0.48			0.00	0.00	0.00	5.50	21.38	6.92	35.38	0.00		
55+15.960		0.87	3.07									0.00	-1336.76
<b>TOTAL</b>				<b>1028.28</b>	<b>0.00</b>	<b>0.00</b>	<b>1062.11</b>	<b>347.54</b>	<b>1544.49</b>	<b>2365.04</b>	<b>1019.02</b>		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+0.000		1.02	1.41									0.00	0.00
	0.00			0.41	0.00	0.00	4.18	2.92	6.92	12.30	0.41		
0+5.000		0.81	2.52									0.00	-11.89
	2.50			0.00	0.00	0.00	2.46	4.21	4.08	10.37	0.00		
0+7.945		0.90	3.25									0.00	-22.26
	1.48			0.00	0.00	0.00	1.84	4.02	2.84	8.57	0.00		
0+10.000		0.93	3.53									0.00	-30.83
	1.03			0.00	0.00	0.00	0.82	1.92	1.23	3.94	0.00		
0+10.890		0.94	3.62									0.00	-34.77
	0.45			0.00	0.00	0.00	1.72	4.25	2.53	8.48	0.00		
0+12.716		0.95	3.79									0.00	-43.25
	0.92			0.00	0.00	0.00	2.20	5.72	3.16	11.09	0.00		
0+15.000		0.97	3.93									0.00	-54.34
	1.14			0.00	0.00	0.00	0.26	0.68	0.36	1.30	0.00		
0+15.264		0.97	3.95									0.00	-55.64
	0.13			0.00	0.00	0.00	2.50	6.76	3.53	12.86	0.00		
0+17.811		0.98	4.08									0.00	-68.50
	1.28			0.00	0.00	0.00	2.20	6.45	3.03	11.85	0.00		
1+0.000		1.03	4.57									0.00	-80.35
	1.10			0.00	0.00	0.00	11.42	46.09	13.84	74.91	0.00		
1+10.000		1.25	7.41									0.00	-155.27
	5.00			0.00	0.00	0.00	13.01	64.93	13.84	98.46	0.00		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
2+0.000		1.35	8.34									0.00	-253.73
	5.00			0.00	0.00	0.00	13.66	72.08	13.84	107.40	0.00		
2+10.000		1.38	8.84									0.00	-361.13
	5.00			0.00	0.00	0.00	13.83	73.01	13.84	108.56	0.00		
3+0.000		1.38	8.52									0.00	-469.69
	5.00			0.00	0.00	0.00	8.75	44.28	8.87	66.44	0.00		
3+6.411		1.35	8.05									0.00	-536.13
	3.21			0.00	0.00	0.00	4.78	23.14	4.97	35.14	0.00		
3+10.000		1.31	7.55									0.00	-571.27
	1.80			0.00	0.00	0.00	1.33	6.22	1.41	9.54	0.00		
3+11.018		1.29	7.39									0.00	-580.80
	0.51			0.00	0.00	0.00	5.02	22.52	5.51	35.04	0.00		
3+15.000		1.22	6.66									0.00	-615.84
	1.99			0.00	0.00	0.00	0.76	3.25	0.86	5.14	0.00		
3+15.624		1.20	6.51									0.00	-620.98
	0.31			0.00	0.00	0.00	4.99	19.27	6.06	31.66	0.00		
4+0.000		1.08	5.06									0.00	-652.64
	2.19			0.00	0.00	0.00	3.17	9.42	4.30	17.16	0.00		
4+3.114		0.96	3.75									0.00	-669.80
	1.56			0.00	0.00	0.00	1.73	3.89	2.62	8.13	0.00		
4+5.000		0.90	3.21									0.00	-677.93
	0.95			0.00	0.00	0.00	2.35	4.19	3.76	9.94	0.00		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
4+7.721		0.85	2.70									0.00	-687.87
	1.36			0.00	0.00	0.00	1.92	2.63	3.16	7.23	0.00		
4+10.000		0.85	2.43									0.00	-695.10
	1.14			0.00	0.00	0.00	1.96	2.18	3.22	6.76	0.00		
4+12.328		0.85	2.26									0.00	-701.86
	1.17			0.02	0.00	0.00	6.36	4.69	10.62	19.13	0.02		
5+0.000		0.82	1.72									0.00	-720.97
	3.84			0.85	0.00	0.00	8.42	2.15	13.84	19.99	0.85		
5+10.000		1.04	1.47									0.00	-740.11
	5.00			3.36	0.00	0.00	9.02	0.57	13.84	18.01	3.36		
6+0.000		1.44	1.41									0.00	-754.76
	5.00			6.65	0.00	0.00	9.35	0.14	13.84	17.48	6.65		
6+10.000		1.76	1.38									0.00	-765.59
	5.00			9.42	0.00	0.00	9.47	0.00	13.84	17.30	9.42		
7+0.000		2.02	1.38									0.00	-773.47
	5.00			10.74	0.00	0.00	9.54	0.00	13.84	17.30	10.74		
7+10.000		2.04	1.38									0.00	-780.03
	5.00			10.56	0.00	0.00	9.51	0.00	13.84	17.30	10.56		
8+0.000		1.97	1.38									0.00	-786.77
	5.00			10.27	0.00	0.00	9.43	0.00	13.84	17.30	10.27		
8+10.000		1.97	1.38									0.00	-793.80
	5.00			10.84	0.00	0.00	9.44	0.00	13.84	17.30	10.84		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
9+0.000		2.09	1.38									0.00	-800.26
	5.00			11.79	0.00	0.00	9.53	0.00	13.84	17.30	11.79		
9+10.000		2.18	1.38									0.00	-805.77
	5.00			12.12	0.00	0.00	9.52	0.00	13.84	17.30	12.12		
10+0.000		2.15	1.38									0.00	-810.95
	5.00			10.71	0.00	0.00	9.42	0.00	13.84	17.30	10.71		
10+10.000		1.87	1.38									0.00	-817.54
	5.00			8.73	0.00	0.00	9.35	0.02	13.84	17.33	8.73		
11+0.000		1.74	1.38									0.00	-826.13
	5.00			9.71	0.00	0.00	9.46	0.02	13.84	17.33	9.71		
11+10.000		2.09	1.38									0.00	-833.75
	5.00			9.76	0.00	0.00	9.39	0.17	13.84	17.51	9.76		
12+0.000		1.74	1.41									0.00	-841.50
	5.00			6.48	0.00	0.00	9.06	0.69	13.84	18.16	6.48		
12+10.000		1.37	1.48									0.00	-853.18
	5.00			3.55	0.00	0.00	8.85	1.31	13.84	18.94	3.55		
13+0.000		1.11	1.54									0.00	-868.57
	5.00			1.93	0.00	0.00	8.59	1.95	13.84	19.74	1.93		
13+10.000		0.99	1.61									0.00	-886.38
	5.00			1.65	0.00	0.00	8.44	2.19	13.84	20.04	1.65		
14+0.000		1.02	1.58									0.00	-904.76
	5.00			2.40	0.00	0.00	8.69	1.42	13.84	19.08	2.40		



## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
14+10.000		1.19	1.46									0.00	-921.44
	5.00			6.04	0.00	0.00	9.24	0.66	13.84	18.13	6.04		
15+0.000		1.86	1.43									0.00	-933.52
	5.00			10.11	0.00	0.00	9.51	0.37	13.84	17.76	10.11		
15+10.000		2.06	1.40									0.00	-941.18
	5.00			10.16	0.00	0.00	9.39	0.12	13.84	17.45	10.16		
16+0.000		1.85	1.38									0.00	-948.47
	5.00			10.11	0.00	0.00	9.40	0.02	13.84	17.33	10.11		
16+10.000		2.05	1.38									0.00	-955.68
	5.00			10.47	0.00	0.00	9.42	0.01	13.84	17.31	10.47		
17+0.000		1.92	1.38									0.00	-962.52
	5.00			11.94	0.00	0.00	9.54	0.00	13.84	17.30	11.94		
17+10.000		2.37	1.38									0.00	-967.88
	5.00			15.29	0.00	0.00	9.87	0.00	13.84	17.30	15.29		
18+0.000		2.66	1.38									0.00	-969.89
	5.00			14.42	0.00	0.00	9.76	0.00	13.84	17.30	14.42		
18+10.000		2.18	1.38									0.00	-972.77
	5.00			7.82	0.00	0.00	9.11	0.29	13.84	17.66	7.82		
19+0.000		1.21	1.44									0.00	-982.62
	5.00			1.98	0.00	0.00	8.53	1.90	13.84	19.68	1.98		
19+10.000		0.89	1.70									0.00	-1000.31
	5.00			0.30	0.00	0.00	8.24	4.42	13.84	22.83	0.30		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
20+0.000		0.81	1.94									0.00	-1022.84
	5.00			0.00	0.00	0.00	8.25	6.04	13.84	24.85	0.00		
20+10.000		0.83	2.02									0.00	-1047.69
	5.00			0.84	0.00	0.00	8.48	4.68	13.84	23.15	0.84		
21+0.000		1.03	1.67									0.00	-1070.00
	5.00			1.47	0.00	0.00	8.58	2.94	13.84	20.98	1.47		
21+10.000		0.98	1.68									0.00	-1089.50
	5.00			1.10	0.00	0.00	8.53	3.29	13.84	21.41	1.10		
22+0.000		0.95	1.74									0.00	-1109.81
	5.00			0.71	0.00	0.00	8.44	3.48	13.84	21.65	0.71		
22+10.000		0.88	1.72									0.00	-1130.75
	5.00			1.89	0.00	0.00	8.88	1.93	13.84	19.71	1.89		
23+0.000		1.27	1.43									0.00	-1148.58
	5.00			4.05	0.00	0.00	9.48	0.31	13.84	17.69	4.05		
23+10.000		1.44	1.39									0.00	-1162.21
	5.00			5.80	0.00	0.00	9.64	0.06	13.84	17.38	5.80		
24+0.000		1.65	1.38									0.00	-1173.79
	5.00			7.86	0.00	0.00	9.71	0.11	13.84	17.44	7.86		
24+10.000		1.86	1.40									0.00	-1183.37
	5.00			11.20	0.00	0.00	9.82	0.11	13.84	17.44	11.20		
25+0.000		2.34	1.38									0.00	-1189.60
	5.00			11.19	0.00	0.00	9.65	0.00	13.84	17.30	11.19		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
25+10.000		1.83	1.38									0.00	-1195.71
	5.00			6.20	0.00	0.00	9.09	0.01	13.84	17.31	6.20		
26+0.000		1.23	1.38									0.00	-1206.83
	5.00			1.96	0.00	0.00	8.58	1.03	13.84	18.59	1.96		
26+10.000		0.88	1.58									0.00	-1223.45
	5.00			1.02	0.00	0.00	8.45	2.19	13.84	20.04	1.02		
27+0.000		1.02	1.61									0.00	-1242.47
	5.00			5.78	0.00	0.00	9.02	1.18	13.84	18.78	5.78		
27+10.000		1.94	1.38									0.00	-1255.47
	5.00			10.68	0.00	0.00	9.49	0.02	13.84	17.33	10.68		
28+0.000		2.09	1.38									0.00	-1262.11
	5.00			15.37	0.00	0.00	9.84	0.00	13.84	17.30	15.37		
28+10.000		2.95	1.38									0.00	-1264.04
	5.00			16.96	0.00	0.00	9.96	0.00	13.84	17.30	16.96		
29+0.000		2.43	1.38									0.00	-1264.38
	5.00			8.52	0.00	0.00	9.30	0.22	13.84	17.58	8.52		
29+10.000		1.13	1.42									0.00	-1273.44
	5.00			2.53	0.00	0.00	8.72	1.33	13.84	18.96	2.53		
30+0.000		1.12	1.60									0.00	-1289.87
	5.00			2.88	0.00	0.00	8.75	1.47	13.84	19.14	2.88		
30+10.000		1.21	1.45									0.00	-1306.13
	5.00			1.93	0.00	0.00	8.62	1.58	13.84	19.28	1.93		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
31+0.000		0.90	1.62									0.00	-1323.47
	5.00			0.34	0.00	0.00	8.62	10.88	13.84	30.90	0.34		
31+10.000		0.89	3.31									0.00	-1354.03
	5.00			0.00	0.00	0.00	9.81	28.72	13.84	53.20	0.00		
32+0.000		1.07	5.19									0.00	-1407.23
	5.00			0.00	0.00	0.00	11.31	44.72	13.84	73.20	0.00		
32+10.000		1.19	6.51									0.00	-1480.43
	5.00			0.00	0.00	0.00	12.36	57.14	13.84	88.73	0.00		
33+0.000		1.28	7.68									0.00	-1569.16
	5.00			0.00	0.00	0.00	13.14	65.44	13.84	99.10	0.00		
33+10.000		1.35	8.17									0.00	-1668.26
	5.00			0.00	0.00	0.00	13.31	64.09	13.84	97.41	0.00		
34+0.000		1.32	7.41									0.00	-1765.67
	5.00			4.84	0.00	0.00	11.24	30.13	13.84	54.96	4.84		
34+10.000		1.90	1.38									0.00	-1815.79
	5.00			4.84	0.00	0.00	10.10	17.89	13.84	39.66	4.84		
35+0.000		1.09	4.96									0.00	-1850.61
	5.00			0.00	0.00	0.00	11.33	42.85	13.84	70.86	0.00		
35+10.000		1.17	6.37									0.00	-1921.48
	5.00			0.00	0.00	0.00	11.09	42.59	13.84	70.54	0.00		
36+0.000		1.04	4.91									0.00	-1992.01
	5.00			0.00	0.00	0.00	9.94	26.81	13.84	50.81	0.00		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
36+10.000		0.95	3.22									0.00	-2042.83
	5.00			0.00	0.00	0.00	9.10	17.05	13.84	38.61	0.00		
37+0.000		0.87	2.96									0.00	-2081.44
	5.00			0.00	0.00	0.00	8.45	13.63	13.84	34.34	0.00		
37+10.000		0.82	2.53									0.00	-2115.78
	5.00			0.00	0.00	0.00	8.09	9.71	13.84	29.44	0.00		
38+0.000		0.80	2.17									0.00	-2145.21
	5.00			2.17	0.00	0.00	8.44	5.02	13.84	23.58	2.17		
38+10.000		1.32	1.59									0.00	-2166.62
	5.00			2.92	0.00	0.00	9.11	4.38	13.84	22.78	2.92		
39+0.000		1.09	2.04									0.00	-2186.47
	5.00			1.98	0.00	0.00	8.88	5.11	13.26	22.96	1.98		
39+9.582		1.18	1.78									0.00	-2207.45
	4.79			0.11	0.00	0.00	0.39	0.16	0.58	0.93	0.11		
39+10.000		1.19	1.77									0.00	-2208.27
	0.21			1.81	0.00	0.00	4.54	1.47	6.92	10.49	1.81		
39+15.000		1.35	1.58									0.00	-2216.95
	2.50			2.77	0.00	0.00	4.52	0.73	6.92	9.56	2.77		
40+0.000		1.57	1.47									0.00	-2223.74
	2.50			3.81	0.00	0.00	4.60	0.32	6.92	9.05	3.81		
40+5.000		1.80	1.42									0.00	-2228.98
	2.50			0.04	0.00	0.00	0.05	0.00	0.07	0.09	0.04		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
40+5.048		1.80	1.42									0.00	-2229.03
	0.02			4.86	0.00	0.00	4.68	0.12	6.85	8.71	4.86		
40+10.000		2.05	1.39									0.00	-2232.88
	2.48			6.13	0.00	0.00	4.84	0.02	6.92	8.68	6.13		
40+15.000		2.34	1.38									0.00	-2235.43
	2.50			7.48	0.00	0.00	4.98	0.00	6.92	8.65	7.48		
41+0.000		2.65	1.38									0.00	-2236.60
	2.50			0.85	0.00	0.00	0.52	0.00	0.72	0.90	0.85		
41+0.515		2.68	1.38									0.00	-2236.64
	0.26			19.85	0.00	0.00	9.96	0.00	13.12	16.40	16.40		
41+10.000		3.61	1.38									0.00	-2233.20
	4.74			33.79	0.00	0.00	11.32	0.00	13.84	17.30	17.30		
42+0.000		5.42	1.38									0.00	-2216.71
	5.00			50.79	0.00	0.00	12.27	0.00	13.84	17.30	17.30		
42+10.000		7.20	1.38									0.00	-2183.22
	5.00			52.92	0.00	0.00	12.44	0.00	13.84	17.30	17.30		
43+0.000		5.88	1.38									0.00	-2147.60
	5.00			33.00	0.00	0.00	11.16	0.00	13.84	17.30	17.30		
43+10.000		2.96	1.38									0.00	-2131.90
	5.00			13.83	0.00	0.00	9.75	0.00	13.84	17.30	13.83		
44+0.000		1.76	1.38									0.00	-2135.37
	5.00			8.91	0.00	0.00	9.30	0.00	13.84	17.30	8.91		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
44+10.000		1.88	1.38									0.00	-2143.76
	5.00			7.58	0.00	0.00	9.15	0.64	13.84	18.10	7.58		
45+0.000		1.46	1.51									0.00	-2154.28
	5.00			3.70	0.00	0.00	9.31	4.54	13.84	22.98	3.70		
45+10.000		1.14	2.16									0.00	-2173.55
	5.00			0.87	0.00	0.00	9.44	9.27	13.84	28.89	0.87		
46+0.000		0.92	2.46									0.00	-2201.57
	5.00			0.38	0.00	0.00	9.13	8.62	13.84	28.08	0.38		
46+10.000		0.98	2.03									0.00	-2229.26
	5.00			2.62	0.00	0.00	9.02	4.18	13.84	22.53	2.62		
47+0.000		1.35	1.57									0.00	-2249.17
	5.00			9.45	0.00	0.00	9.35	0.94	13.84	18.48	9.45		
47+10.000		2.41	1.38									0.00	-2258.19
	5.00			3.25	0.00	0.00	2.16	0.00	3.04	3.81	3.25		
47+12.198		2.51	1.38									0.00	-2258.75
	1.10			4.41	0.00	0.00	2.77	0.00	3.88	4.84	4.41		
47+15.000		2.62	1.38									0.00	-2259.18
	1.40			7.76	0.00	0.00	4.94	0.00	6.92	8.65	7.76		
48+0.000		2.46	1.38									0.00	-2260.07
	2.50			6.65	0.00	0.00	4.84	0.00	6.92	8.65	6.65		
48+5.000		2.14	1.38									0.00	-2262.07
	2.50			0.30	0.00	0.00	0.24	0.00	0.36	0.45	0.30		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
48+5.256		2.12	1.38									0.00	-2262.22
	0.13			4.92	0.00	0.00	4.45	0.00	6.56	8.20	4.92		
48+10.000		1.83	1.38									0.00	-2265.50
	2.37			4.00	0.00	0.00	4.59	0.02	6.92	8.68	4.00		
48+15.000		1.61	1.39									0.00	-2270.18
	2.50			2.08	0.00	0.00	3.00	0.05	4.58	5.79	2.08		
48+18.313		1.46	1.40									0.00	-2273.89
	1.65			0.89	0.00	0.00	1.51	0.05	2.34	2.99	0.89		
49+0.000		1.39	1.42									0.00	-2275.98
	0.85			6.69	0.00	0.00	9.06	0.26	13.84	17.63	6.69		
49+10.000		1.76	1.40									0.00	-2286.92
	5.00			11.53	0.00	0.00	9.54	0.08	13.84	17.40	11.53		
50+0.000		2.46	1.38									0.00	-2292.79
	5.00			15.48	0.00	0.00	9.86	0.00	13.84	17.30	15.48		
50+10.000		2.61	1.38									0.00	-2294.61
	5.00			14.59	0.00	0.00	9.74	0.00	13.84	17.30	14.59		
51+0.000		2.26	1.38									0.00	-2297.32
	5.00			12.10	0.00	0.00	9.57	0.00	13.84	17.30	12.10		
51+10.000		2.08	1.38									0.00	-2302.52
	5.00			13.89	0.00	0.00	9.71	0.00	13.84	17.30	13.89		
52+0.000		2.64	1.38									0.00	-2305.93
	5.00			14.81	0.00	0.00	9.76	0.00	13.84	17.30	14.81		



## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
52+10.000		2.27	1.38									0.00	-2308.42
	5.00			11.08	0.00	0.00	9.46	0.00	13.84	17.30	11.08		
53+0.000		1.84	1.38									0.00	-2314.64
	5.00			8.53	0.00	0.00	9.29	0.00	13.84	17.30	8.53		
53+10.000		1.73	1.38									0.00	-2323.41
	5.00			7.65	0.00	0.00	9.24	0.00	13.84	17.30	7.65		
54+0.000		1.65	1.38									0.00	-2333.06
	5.00			6.53	0.00	0.00	9.17	0.00	13.84	17.30	6.53		
54+10.000		1.49	1.38									0.00	-2343.83
	5.00			5.75	0.00	0.00	9.13	0.00	13.84	17.30	5.75		
55+0.000		1.49	1.38									0.00	-2355.38
	5.00			6.15	0.00	0.00	9.23	0.00	13.84	17.30	6.15		
55+10.000		1.59	1.38									0.00	-2366.53
	5.00			7.04	0.00	0.00	9.29	0.00	13.84	17.30	7.04		
56+0.000		1.68	1.38									0.00	-2376.79
	5.00			10.85	0.00	0.00	9.52	0.00	13.84	17.30	10.85		
56+10.000		2.40	1.38									0.00	-2383.24
	5.00			15.92	0.00	0.00	9.94	0.00	13.84	17.30	15.92		
57+0.000		2.77	1.38									0.00	-2384.62
	5.00			20.21	0.00	0.00	10.34	0.00	13.84	17.30	17.30		
57+10.000		3.33	1.38									0.00	-2381.71
	5.00			26.35	0.00	0.00	10.78	0.00	13.84	17.30	17.30		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
58+0.000		4.09	1.38									0.00	-2372.66
	5.00			32.87	0.00	0.00	11.24	0.00	13.84	17.30	17.30		
58+10.000		4.73	1.38									0.00	-2357.09
	5.00			36.12	0.00	0.00	11.53	0.00	13.84	17.30	17.30		
59+0.000		4.80	1.38									0.00	-2338.27
	5.00			32.75	0.00	0.00	11.22	0.00	13.84	17.30	17.30		
59+10.000		3.99	1.38									0.00	-2322.82
	5.00			23.21	0.00	0.00	10.44	0.00	13.84	17.30	17.30		
60+0.000		2.74	1.38									0.00	-2316.91
	5.00			14.81	0.00	0.00	9.88	0.00	13.84	17.30	14.81		
60+10.000		2.20	1.38									0.00	-2319.40
	5.00			3.08	0.00	0.00	2.39	0.00	3.40	4.26	3.08		
60+12.456		2.25	1.38									0.00	-2320.57
	1.23			3.26	0.00	0.00	2.50	0.00	3.52	4.39	3.26		
60+15.000		2.13	1.38									0.00	-2321.71
	1.27			2.25	0.00	0.00	2.01	0.03	2.89	3.65	2.25		
60+17.093		1.80	1.41									0.00	-2323.11
	1.04			1.86	0.00	0.00	2.71	0.38	4.03	5.51	1.86		
61+0.000		1.24	1.64									0.00	-2326.76
	1.46			0.39	0.00	0.00	1.55	0.66	2.39	3.82	0.39		
61+1.729		0.95	1.93									0.00	-2330.19
	0.87			0.07	0.00	0.00	1.50	1.35	2.41	4.70	0.07		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
61+3.467		0.85	2.38									0.00	-2334.82
	0.87			0.00	0.00	0.00	1.31	1.86	2.12	4.97	0.00		
61+5.000		0.84	2.74									0.00	-2339.79
	0.76			0.00	0.00	0.00	2.69	5.13	4.29	11.78	0.00		
61+8.103		0.88	3.27									0.00	-2351.56
	1.55			0.00	0.00	0.00	1.71	3.88	2.63	8.14	0.00		
61+10.000		0.91	3.53									0.00	-2359.70
	0.95			0.00	0.00	0.00	2.55	6.32	3.79	12.64	0.00		
61+12.740		0.94	3.80									0.00	-2372.34
	1.37			0.00	0.00	0.00	7.01	19.49	10.05	36.92	0.00		
62+0.000		0.99	4.33									0.00	-2409.26
	3.63			0.00	0.00	0.00	3.30	10.04	4.57	18.26	0.00		
62+3.297		1.01	4.52									0.00	-2427.52
	1.65			0.00	0.00	0.00	1.74	5.46	2.35	9.77	0.00		
62+5.000		1.01	4.59									0.00	-2437.29
	0.85			0.00	0.00	0.00	3.00	9.48	4.06	16.92	0.00		
62+7.934		1.01	4.56									0.00	-2454.21
	1.47			0.00	0.00	0.00	2.09	6.51	2.86	11.72	0.00		
62+10.000		0.99	4.41									0.00	-2465.93
	1.03			0.00	0.00	0.00	2.53	7.43	3.56	13.73	0.00		
62+12.570		0.96	4.02									0.00	-2479.66
	1.28			0.00	0.00	0.00	1.63	4.24	2.41	8.31	0.00		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
62+14.308		0.93	3.62									0.00	-2487.97
	0.87			0.00	0.00	0.00	0.63	1.45	0.95	3.01	0.00		
62+15.000		0.91	3.45									0.00	-2490.98
	0.35			0.00	0.00	0.00	3.58	7.27	5.45	15.90	0.00		
62+18.944		0.93	3.09									0.00	-2506.88
	1.97			0.00	0.00	0.00	0.98	1.83	1.47	4.12	0.00		
63+0.000		0.95	3.19									0.00	-2511.00
	0.53			0.00	0.00	0.00	3.36	7.07	4.95	15.03	0.00		
63+3.581		0.94	3.56									0.00	-2526.03
	1.79			0.00	0.00	0.00	6.32	16.84	8.89	32.16	0.00		
63+10.000		1.03	4.45									0.00	-2558.19
	3.21			0.00	0.00	0.00	10.60	34.85	13.84	60.86	0.00		
64+0.000		1.09	5.28									0.00	-2619.05
	5.00			4.38	0.00	0.00	10.06	19.52	13.84	41.70	4.38		
64+10.000		1.80	1.38									0.00	-2656.37
	5.00			4.38	0.00	0.00	9.00	7.98	13.84	27.28	4.38		
65+0.000		0.88	2.98									0.00	-2679.27
	5.00			0.00	0.00	0.00	4.88	12.17	7.04	24.02	0.00		
65+5.090		1.04	4.57									0.00	-2703.28
	2.54			0.00	0.00	0.00	2.06	6.42	2.70	11.40	0.00		
65+7.044		1.05	4.69									0.00	-2714.68
	0.98			0.00	0.00	0.00	2.07	6.56	2.71	11.59	0.00		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
65+8.998		1.05	4.71									0.00	-2726.27
	0.98			0.00	0.00	0.00	6.28	19.45	8.30	34.69	0.00		
65+15.000		1.04	4.53									0.00	-2760.97
	3.00			0.00	0.00	0.00	0.39	1.19	0.53	2.14	0.00		
65+15.378		1.03	4.52									0.00	-2763.11
	0.19			0.00	0.00	0.00	2.00	6.06	2.70	10.95	0.00		
65+17.332		1.03	4.51									0.00	-2774.06
	0.97			0.00	0.00	0.00	2.00	6.10	2.71	11.02	0.00		
65+19.286		1.03	4.56									0.00	-2785.07
	0.98			0.00	0.00	0.00	5.19	17.74	7.90	32.05	0.00		
66+5.000		0.79	4.41									0.00	-2817.13
	2.86			0.00	0.00	0.00	4.44	14.64	6.92	26.95	0.00		
66+10.000		0.99	4.20									0.00	-2844.08
	2.50			0.00	0.00	0.00	9.26	21.50	13.84	44.18	0.00		
67+0.000		0.86	2.86									0.00	-2888.25
	5.00			0.00	0.00	0.00	8.67	11.74	13.84	31.98	0.00		
67+10.000		0.87	2.25									0.00	-2920.23
	5.00			0.03	0.00	0.00	8.75	8.27	13.84	27.64	0.03		
68+0.000		0.89	2.16									0.00	-2947.84
	5.00			0.03	0.00	0.00	8.72	8.20	13.84	27.55	0.03		
68+10.000		0.86	2.24									0.00	-2975.36
	5.00			0.31	0.00	0.00	8.51	5.94	13.84	24.73	0.31		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
69+0.000		0.90	1.71									0.00	-2999.77
	5.00			2.40	0.00	0.00	8.61	1.72	13.84	19.45	2.40		
69+10.000		1.30	1.39									0.00	-3016.82
	5.00			5.16	0.00	0.00	8.93	0.07	13.84	17.39	5.16		
70+0.000		1.52	1.38									0.00	-3029.05
	5.00			5.92	0.00	0.00	9.00	0.01	13.84	17.31	5.92		
70+10.000		1.47	1.38									0.00	-3040.44
	5.00			7.57	0.00	0.00	9.16	0.01	13.84	17.31	7.57		
71+0.000		1.88	1.38									0.00	-3050.18
	5.00			7.72	0.00	0.00	9.19	0.00	13.84	17.30	7.72		
71+10.000		1.50	1.38									0.00	-3059.76
	5.00			7.79	0.00	0.00	9.18	0.00	13.84	17.30	7.79		
72+0.000		1.89	1.38									0.00	-3069.27
	5.00			11.58	0.00	0.00	9.51	0.00	13.84	17.30	11.58		
72+10.000		2.33	1.38									0.00	-3074.99
	5.00			16.44	0.00	0.00	9.93	0.00	13.84	17.30	16.44		
73+0.000		2.95	1.38									0.00	-3075.85
	5.00			17.93	0.00	0.00	10.13	0.00	13.84	17.30	17.30		
73+10.000		2.67	1.38									0.00	-3075.22
	5.00			17.46	0.00	0.00	10.12	0.00	13.84	17.30	17.30		
74+0.000		2.85	1.38									0.00	-3075.06
	5.00			15.17	0.00	0.00	9.89	0.00	13.84	17.30	15.17		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
74+10.000		2.16	1.38									0.00	-3077.19
	5.00			8.53	0.00	0.00	9.42	0.22	13.84	17.58	8.53		
75+0.000		1.43	1.42									0.00	-3086.24
	5.00			7.19	0.00	0.00	9.37	0.26	13.84	17.63	7.19		
75+10.000		1.88	1.39									0.00	-3096.67
	5.00			10.48	0.00	0.00	9.57	0.05	13.84	17.36	10.48		
76+0.000		2.13	1.38									0.00	-3103.56
	5.00			13.48	0.00	0.00	9.67	0.01	13.84	17.31	13.48		
76+10.000		2.50	1.38									0.00	-3107.39
	5.00			11.71	0.00	0.00	9.47	0.00	13.84	17.30	11.71		
77+0.000		1.73	1.38									0.00	-3112.98
	5.00			7.23	0.00	0.00	9.19	0.00	13.84	17.30	7.23		
77+10.000		1.55	1.38									0.00	-3123.05
	5.00			8.69	0.00	0.00	9.39	0.00	13.84	17.30	8.69		
78+0.000		2.07	1.38									0.00	-3131.66
	5.00			13.92	0.00	0.00	9.77	0.00	13.84	17.30	13.92		
78+10.000		2.67	1.38									0.00	-3135.04
	5.00			17.14	0.00	0.00	9.95	0.00	13.84	17.30	17.14		
79+0.000		2.75	1.38									0.00	-3135.20
	5.00			17.15	0.00	0.00	9.95	0.00	13.84	17.30	17.15		
79+10.000		2.67	1.38									0.00	-3135.35
	5.00			11.60	0.00	0.00	9.47	0.03	13.84	17.34	11.60		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
80+0.000		1.54	1.39									0.00	-3141.09
	5.00			9.69	0.00	0.00	9.34	0.03	13.84	17.34	9.69		
80+10.000		2.27	1.38									0.00	-3148.73
	5.00			15.70	0.00	0.00	9.86	0.00	13.84	17.30	15.70		
81+0.000		2.85	1.38									0.00	-3150.33
	5.00			18.87	0.00	0.00	10.10	0.00	13.84	17.30	17.30		
81+10.000		2.95	1.38									0.00	-3148.76
	5.00			19.89	0.00	0.00	10.19	0.00	13.84	17.30	17.30		
82+0.000		3.07	1.38									0.00	-3146.17
	5.00			21.14	0.00	0.00	10.28	0.00	13.84	17.30	17.30		
82+10.000		3.22	1.38									0.00	-3142.33
	5.00			23.89	0.00	0.00	10.50	0.00	13.84	17.30	17.30		
83+0.000		3.66	1.38									0.00	-3135.74
	5.00			26.06	0.00	0.00	10.68	0.00	13.84	17.30	17.30		
83+10.000		3.69	1.38									0.00	-3126.98
	5.00			27.51	0.00	0.00	10.75	0.00	13.84	17.30	17.30		
84+0.000		3.97	1.38									0.00	-3116.77
	5.00			28.25	0.00	0.00	10.74	0.00	13.84	17.30	17.30		
84+10.000		3.83	1.38									0.00	-3105.82
	5.00			13.83	0.00	0.00	9.31	2.53	13.84	20.46	13.83		
85+0.000		0.80	1.89									0.00	-3112.46
	5.00			0.00	0.00	0.00	8.42	10.03	13.84	29.84	0.00		



## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
85+10.000		0.89	2.88									0.00	-3142.29
	5.00			0.04	0.00	0.00	8.74	13.19	13.84	33.79	0.04		
86+0.000		0.87	2.52									0.00	-3176.04
	5.00			1.19	0.00	0.00	8.62	5.79	13.84	24.54	1.19		
86+10.000		1.09	1.40									0.00	-3199.39
	5.00			14.02	0.00	0.00	9.65	0.09	13.84	17.41	14.02		
87+0.000		3.64	1.38									0.00	-3202.78
	5.00			22.62	0.00	0.00	10.41	0.00	13.84	17.30	17.30		
87+10.000		2.97	1.38									0.00	-3197.46
	5.00			18.41	0.00	0.00	10.07	0.00	13.84	17.30	17.30		
88+0.000		2.73	1.38									0.00	-3196.35
	5.00			14.47	0.00	0.00	9.73	0.00	13.84	17.30	14.47		
88+10.000		2.11	1.38									0.00	-3199.18
	5.00			9.76	0.00	0.00	9.32	0.00	13.84	17.30	9.76		
89+0.000		1.70	1.38									0.00	-3206.72
	5.00			6.55	0.00	0.00	9.02	0.00	13.84	17.30	6.55		
89+10.000		1.41	1.38									0.00	-3217.47
	5.00			4.11	0.00	0.00	8.79	0.00	13.84	17.30	4.11		
90+0.000		1.17	1.38									0.00	-3230.66
	5.00			1.61	0.00	0.00	8.58	0.11	13.84	17.44	1.61		
90+10.000		0.87	1.40									0.00	-3246.49
	5.00			0.11	0.00	0.00	8.39	0.81	13.84	18.31	0.11		

## EIXO 06 (0+0.000 - 92+5.002)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
91+0.000		0.83	1.52									0.00	-3264.69
	5.00			0.07	0.00	0.00	3.48	0.35	5.76	7.63	0.07		
91+4.162		0.87	1.41									0.00	-3272.25
	2.08			0.03	0.00	0.00	0.70	0.02	1.16	1.48	0.03		
91+5.000		0.89	1.39									0.00	-3273.70
	0.42			0.19	0.00	0.00	2.58	0.02	4.24	5.32	0.19		
91+8.058		0.95	1.38									0.00	-3278.83
	1.53			0.16	0.00	0.00	1.64	0.00	2.68	3.36	0.16		
91+10.000		0.93	1.38									0.00	-3282.03
	0.97			0.08	0.00	0.00	1.65	0.01	2.70	3.39	0.08		
91+11.953		0.86	1.39									0.00	-3285.33
	0.98			0.01	0.00	0.00	0.82	0.02	1.36	1.72	0.01		
91+12.928		0.85	1.41									0.00	-3287.04
	0.49			0.04	0.00	0.00	1.74	0.06	2.86	3.66	0.04		
91+15.000		0.86	1.42									0.00	-3290.66
	1.04			0.03	0.00	0.00	1.24	0.05	2.03	2.61	0.03		
91+16.465		0.85	1.43									0.00	-3293.24
	0.74			0.39	0.00	0.00	3.01	0.06	4.89	6.18	0.39		
92+0.000		1.04	1.38									0.00	-3299.03
	1.76			2.04	0.00	0.00	4.39	0.00	6.92	8.65	2.04		
92+5.002		1.54	1.38									0.00	-3305.64
<b>TOTAL</b>				<b>1595.40</b>	<b>0.00</b>	<b>0.00</b>	<b>1781.05</b>	<b>1367.35</b>	<b>2553.48</b>	<b>4901.04</b>	<b>1371.21</b>		

## EIXO 07 (0+0.000 - 12+3.341)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+0.000		2.05	1.38									0.00	0.00
	0.00			5.13	0.00	0.00	4.69	0.00	6.92	8.65	5.13		
0+5.000		1.88	1.38									0.00	-3.52
	2.50			3.33	0.00	0.00	3.28	0.00	4.89	6.11	3.33		
0+8.534		1.81	1.38									0.00	-6.30
	1.77			1.33	0.00	0.00	1.36	0.00	2.03	2.54	1.33		
0+10.000		1.81	1.38									0.00	-7.51
	0.74			1.91	0.00	0.00	1.93	0.00	2.86	3.58	1.91		
0+12.069		1.86	1.38									0.00	-9.18
	1.04			2.05	0.00	0.00	1.99	0.00	2.96	3.70	2.05		
0+14.209		1.92	1.38									0.00	-10.83
	1.07			0.77	0.00	0.00	0.74	0.00	1.09	1.37	0.77		
0+15.000		1.94	1.38									0.00	-11.43
	0.40			2.38	0.00	0.00	2.22	0.00	3.29	4.12	2.38		
0+17.378		1.99	1.38									0.00	-13.17
	1.19			2.68	0.00	0.00	2.44	0.00	3.63	4.53	2.68		
1+0.000		2.00	1.38									0.00	-15.02
	1.31			0.56	0.00	0.00	0.51	0.00	0.76	0.95	0.56		
1+0.547		2.02	1.38									0.00	-15.41
	0.28			11.35	0.00	0.00	8.96	0.00	13.08	16.35	11.35		

## EIXO 07 (0+0.000 - 12+3.341)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
1+10.000		2.28	1.38									0.00	-20.41
	4.73			14.15	0.00	0.00	9.66	0.00	13.84	17.30	14.15		
2+0.000		2.48	1.38									0.00	-23.56
	5.00			16.03	0.00	0.00	9.81	0.00	13.84	17.30	16.03		
2+10.000		2.69	1.38									0.00	-24.83
	5.00			17.48	0.00	0.00	9.94	0.00	13.84	17.30	17.30		
3+0.000		2.80	1.38									0.00	-24.65
	5.00			18.69	0.00	0.00	10.05	0.00	13.84	17.30	17.30		
3+10.000		2.95	1.38									0.00	-23.26
	5.00			20.35	0.00	0.00	10.21	0.00	13.84	17.30	17.30		
4+0.000		3.16	1.38									0.00	-20.21
	5.00			21.77	0.00	0.00	10.35	0.00	13.84	17.30	17.30		
4+10.000		3.26	1.38									0.00	-15.74
	5.00			22.13	0.00	0.00	10.37	0.00	13.84	17.30	17.30		
5+0.000		3.24	1.38									0.00	-10.91
	5.00			18.18	0.00	0.00	10.03	0.00	13.84	17.30	17.30		
5+10.000		2.41	1.38									0.00	-10.03
	5.00			9.98	0.00	0.00	9.31	0.00	13.84	17.30	9.98		
6+0.000		1.45	1.38									0.00	-17.35
	5.00			4.38	0.00	0.00	8.82	0.00	13.84	17.30	4.38		
6+10.000		1.19	1.38									0.00	-30.27
	5.00			3.27	0.00	0.00	8.78	0.00	13.84	17.30	3.27		

## EIXO 07 (0+0.000 - 12+3.341)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
7+0.000		1.22	1.38									0.00	-44.30
	5.00			8.50	0.00	0.00	9.25	0.00	13.84	17.30	8.50		
7+10.000		2.33	1.38									0.00	-53.10
	5.00			12.76	0.00	0.00	9.57	0.00	13.84	17.30	12.76		
8+0.000		2.14	1.38									0.00	-57.64
	5.00			9.68	0.00	0.00	9.35	0.15	13.84	17.49	9.68		
8+10.000		1.66	1.41									0.00	-65.45
	5.00			5.13	0.00	0.00	9.03	0.25	13.84	17.61	5.13		
9+0.000		1.17	1.40									0.00	-77.93
	5.00			2.21	0.00	0.00	8.69	0.39	13.84	17.79	2.21		
9+10.000		1.01	1.44									0.00	-93.51
	5.00			1.07	0.00	0.00	8.39	1.15	13.84	18.74	1.07		
10+0.000		0.88	1.55									0.00	-111.18
	5.00			0.26	0.00	0.00	8.18	2.91	13.84	20.94	0.26		
10+10.000		0.81	1.79									0.00	-131.85
	5.00			0.00	0.00	0.00	8.12	4.73	13.84	23.21	0.00		
11+0.000		0.82	1.92									0.00	-155.07
	5.00			0.01	0.00	0.00	5.34	3.47	9.08	15.69	0.01		
11+6.558		0.82	1.90									0.00	-170.74
	3.28			2.40	0.00	0.00	2.99	1.03	4.76	7.24	2.40		
11+10.000		2.20	1.38									0.00	-175.58
	1.72			0.40	0.00	0.00	0.26	0.00	0.39	0.48	0.40		

## EIXO 07 (0+0.000 - 12+3.341)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
11+10.283		2.24	1.38									0.00	-175.66
	0.14			4.70	0.00	0.00	3.40	0.00	5.16	6.45	4.70		
11+14.008		2.15	1.38									0.00	-177.42
	1.86			6.84	0.00	0.00	5.55	0.00	8.29	10.36	6.84		
12+0.000		1.99	1.38									0.00	-180.94
	3.00			2.52	0.00	0.00	3.00	0.07	4.62	5.87	2.52		
12+3.341		1.32	1.42									0.00	-184.29
<b>TOTAL</b>				<b>254.38</b>	<b>0.00</b>	<b>0.00</b>	<b>226.57</b>	<b>14.15</b>	<b>336.78</b>	<b>438.67</b>	<b>239.58</b>		

## EIXO 08 (0+0.000 - 15+4.845)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+0.000		1.91	1.38									0.00	0.00
	0.00			5.05	0.00	0.00	4.42	0.00	6.50	8.13	5.05		
0+4.703		2.12	1.38									0.00	-3.08
	2.35			0.35	0.00	0.00	0.28	0.00	0.42	0.52	0.35		
0+5.000		2.13	1.38									0.00	-3.25

## EIXO 08 (0+0.000 - 15+4.845)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	0.15			5.06	0.00	0.00	3.83	0.00	5.54	6.92	5.06		
0+9.000		2.30	1.38									0.00	-5.11
	2.00			1.36	0.00	0.00	0.97	0.00	1.38	1.73	1.36		
0+10.000		2.34	1.38									0.00	-5.48
	0.50			4.20	0.00	0.00	3.27	0.00	4.57	5.71	4.20		
0+13.296		2.18	1.38									0.00	-6.99
	1.65			1.93	0.00	0.00	1.69	0.00	2.35	2.94	1.93		
0+15.000		2.07	1.38									0.00	-8.00
	0.85			5.98	0.00	0.00	5.06	0.00	6.92	8.65	5.98		
1+0.000		2.35	1.38									0.00	-10.67
	2.50			4.78	0.00	0.00	4.97	0.00	6.92	8.65	4.78		
1+5.000		1.55	1.38									0.00	-14.54
	2.50			2.01	0.00	0.00	4.56	0.02	6.92	8.68	2.01		
1+10.000		1.07	1.39									0.00	-21.21
	2.50			0.65	0.00	0.00	4.32	0.16	6.92	8.85	0.65		
1+15.000		0.91	1.43									0.00	-29.41
	2.50			0.97	0.00	0.00	4.26	0.14	6.92	8.83	0.97		
2+0.000		1.18	1.38									0.00	-37.26
	2.50			2.32	0.00	0.00	4.38	0.00	6.92	8.65	2.32		
2+5.000		1.51	1.38									0.00	-43.59
	2.50			3.84	0.00	0.00	4.55	0.00	6.92	8.65	3.84		
2+10.000		1.85	1.38									0.00	-48.40

## EIXO 08 (0+0.000 - 15+4.845)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.50			5.46	0.00	0.00	4.71	0.00	6.92	8.65	5.46		
2+15.000		2.22	1.38									0.00	-51.59
	2.50			6.15	0.00	0.00	4.79	0.00	6.92	8.65	6.15		
3+0.000		2.16	1.38									0.00	-54.09
	2.50			6.13	0.00	0.00	4.80	0.00	6.92	8.65	6.13		
3+5.000		2.22	1.38									0.00	-56.61
	2.50			6.68	0.00	0.00	4.85	0.00	6.92	8.65	6.68		
3+10.000		2.40	1.38									0.00	-58.58
	2.50			7.42	0.00	0.00	4.87	0.00	6.92	8.65	7.42		
3+15.000		2.52	1.38									0.00	-59.81
	2.50			7.98	0.00	0.00	4.88	0.00	6.92	8.65	7.98		
4+0.000		2.63	1.38									0.00	-60.48
	2.50			8.84	0.00	0.00	5.02	0.00	6.92	8.65	8.65		
4+5.000		2.92	1.38									0.00	-60.29
	2.50			9.43	0.00	0.00	5.14	0.00	6.92	8.65	8.65		
4+10.000		2.91	1.38									0.00	-59.51
	2.50			8.37	0.00	0.00	5.11	0.00	6.92	8.65	8.37		
4+15.000		2.48	1.38									0.00	-59.79
	2.50			6.17	0.00	0.00	4.96	0.00	6.92	8.65	6.17		
5+0.000		1.97	1.38									0.00	-62.27
	2.50			0.58	0.00	0.00	0.57	0.00	0.82	1.02	0.58		
5+0.592		1.92	1.38									0.00	-62.71



## EIXO 08 (0+0.000 - 15+4.845)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	0.30			3.79	0.00	0.00	4.29	0.00	6.10	7.63	3.79		
5+5.000		1.74	1.38									0.00	-66.55
	2.21			4.19	0.00	0.00	4.90	0.00	6.92	8.65	4.19		
5+10.000		1.90	1.38									0.00	-71.01
	2.50			5.11	0.00	0.00	5.00	0.00	6.92	8.65	5.11		
5+15.000		2.15	1.38									0.00	-74.55
	2.50			6.43	0.00	0.00	5.12	0.00	6.92	8.65	6.43		
6+0.000		2.47	1.38									0.00	-76.77
	2.50			7.74	0.00	0.00	5.22	0.00	6.92	8.65	7.74		
6+5.000		2.71	1.38									0.00	-77.68
	2.50			8.80	0.00	0.00	5.32	0.00	6.92	8.65	8.65		
6+10.000		2.93	1.38									0.00	-77.53
	2.50			9.69	0.00	0.00	5.46	0.00	6.92	8.65	8.65		
6+15.000		3.12	1.38									0.00	-76.49
	2.50			9.88	0.00	0.00	5.46	0.00	6.92	8.65	8.65		
7+0.000		3.01	1.38									0.00	-75.26
	2.50			9.81	0.00	0.00	5.42	0.00	6.92	8.65	8.65		
7+5.000		3.08	1.38									0.00	-74.10
	2.50			10.17	0.00	0.00	5.45	0.00	6.92	8.65	8.65		
7+10.000		3.17	1.38									0.00	-72.58
	2.50			10.56	0.00	0.00	5.46	0.00	6.92	8.65	8.65		
7+15.000		3.24	1.38									0.00	-70.67

## EIXO 08 (0+0.000 - 15+4.845)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.50			9.97	0.00	0.00	5.37	0.00	6.92	8.65	8.65		
8+0.000		2.89	1.38									0.00	-69.35
	2.50			8.37	0.00	0.00	5.20	0.00	6.92	8.65	8.37		
8+5.000		2.53	1.38									0.00	-69.63
	2.50			6.85	0.00	0.00	5.10	0.00	6.92	8.65	6.85		
8+10.000		2.24	1.38									0.00	-71.43
	2.50			5.93	0.00	0.00	5.08	0.00	6.92	8.65	5.93		
8+15.000		2.16	1.38									0.00	-74.15
	2.50			5.52	0.00	0.00	5.07	0.00	6.92	8.65	5.52		
9+0.000		2.08	1.38									0.00	-77.28
	2.50			5.01	0.00	0.00	5.03	0.00	6.92	8.65	5.01		
9+5.000		1.94	1.38									0.00	-80.92
	2.50			2.68	0.00	0.00	2.88	0.03	4.00	5.04	2.68		
9+7.887		1.91	1.40									0.00	-83.28
	1.44			1.95	0.00	0.00	2.10	0.07	2.92	3.74	1.95		
9+10.000		1.92	1.43									0.00	-85.06
	1.06			9.40	0.00	0.00	9.89	0.72	13.84	18.20	9.40		
10+0.000		1.94	1.48									0.00	-93.86
	5.00			9.53	0.00	0.00	9.86	0.95	13.84	18.49	9.53		
10+10.000		1.94	1.47									0.00	-102.82
	5.00			9.22	0.00	0.00	9.75	0.88	13.84	18.40	9.22		
11+0.000		1.85	1.46									0.00	-112.00

## EIXO 08 (0+0.000 - 15+4.845)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	5.00			9.47	0.00	0.00	9.58	0.42	13.84	17.83	9.47		
11+10.000		1.96	1.38									0.00	-120.36
	5.00			10.22	0.00	0.00	9.43	0.04	13.84	17.35	10.22		
12+0.000		1.97	1.39									0.00	-127.49
	5.00			5.55	0.00	0.00	8.93	2.17	13.84	20.01	5.55		
12+10.000		0.92	1.81									0.00	-141.95
	5.00			0.75	0.00	0.00	8.45	3.35	13.84	21.49	0.75		
13+0.000		0.92	1.62									0.00	-162.69
	5.00			1.50	0.00	0.00	8.54	2.80	13.84	20.80	1.50		
13+10.000		1.09	1.70									0.00	-181.99
	5.00			2.17	0.00	0.00	8.63	1.98	13.84	19.78	2.17		
14+0.000		1.07	1.46									0.00	-199.59
	5.00			3.44	0.00	0.00	6.33	0.29	9.94	12.78	3.44		
14+7.179		1.65	1.38									0.00	-208.94
	3.59			1.69	0.00	0.00	2.06	0.00	3.13	3.91	1.69		
14+9.442		1.55	1.38									0.00	-211.16
	1.13			0.36	0.00	0.00	0.51	0.00	0.78	0.97	0.36		
14+10.000		1.50	1.38									0.00	-211.77
	0.28			0.92	0.00	0.00	1.51	0.00	2.35	2.94	0.92		
14+11.704		1.36	1.38									0.00	-213.79
	0.85			0.08	0.00	0.00	0.13	0.00	0.22	0.28	0.08		
14+11.860		1.38	1.38									0.00	-213.98

## EIXO 08 (0+0.000 - 15+4.845)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	0.08			1.74	0.00	0.00	2.81	0.00	4.35	5.43	1.74		
14+15.000		1.43	1.38									0.00	-217.68
	1.57			0.20	0.00	0.00	0.32	0.00	0.48	0.61	0.20		
14+15.352		1.42	1.38									0.00	-218.08
	0.18			1.82	0.00	0.00	3.14	0.00	4.83	6.04	1.82		
14+18.844		1.30	1.38									0.00	-222.30
	1.74			0.44	0.00	0.00	1.02	0.00	1.61	2.01	0.44		
15+0.000		1.22	1.38									0.00	-223.87
	0.58			0.97	0.00	0.00	4.13	0.31	6.70	8.76	0.97		
15+4.845		0.89	1.51									0.00	-231.66
<b>TOTAL</b>				<b>313.63</b>	<b>0.00</b>	<b>0.00</b>	<b>294.21</b>	<b>14.33</b>	<b>421.90</b>	<b>545.29</b>	<b>304.33</b>		

## EIXO 09 (0+0.000 - 33+17.996)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+0.000		3.36	1.38									0.00	0.00
	0.00			8.22	0.00	0.00	3.46	0.00	4.57	5.71	5.71		

## EIXO 09 (0+0.000 - 33+17.996)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+3.304		3.72	1.38									2.51	0.00
	1.65			4.46	0.00	0.00	1.81	0.00	2.35	2.94	2.94		
0+5.000		3.58	1.38									4.03	0.00
	0.85			4.35	0.00	0.00	1.83	0.00	2.39	2.99	2.99		
0+6.734		3.48	1.38									5.39	0.00
	0.87			7.84	0.00	0.00	3.43	0.00	4.53	5.66	5.66		
0+10.000		3.31	1.38									7.57	0.00
	1.64			0.38	0.00	0.00	0.18	0.00	0.22	0.28	0.28		
0+10.165		3.29	1.38									7.67	0.00
	0.08			9.08	0.00	0.00	4.88	0.00	6.70	8.37	8.37		
0+15.000		2.49	1.38									8.38	0.00
	2.42			6.64	0.00	0.00	4.81	0.00	6.92	8.65	6.64		
1+0.000		2.10	1.38									6.37	0.00
	2.50			5.43	0.00	0.00	4.70	0.00	6.92	8.65	5.43		
1+5.000		1.96	1.38									3.15	0.00
	2.50			4.83	0.00	0.00	4.66	0.00	6.92	8.65	4.83		
1+10.000		1.84	1.38									0.00	-0.67
	2.50			4.30	0.00	0.00	4.60	0.00	6.92	8.65	4.30		
1+15.000		1.73	1.38									0.00	-5.02
	2.50			3.20	0.00	0.00	4.52	0.00	6.92	8.65	3.20		
2+0.000		1.36	1.38									0.00	-10.47
	2.50			2.04	0.00	0.00	4.41	0.00	6.92	8.65	2.04		

## EIXO 09 (0+0.000 - 33+17.996)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
2+5.000		1.22	1.38									0.00	-17.08
	2.50			1.81	0.00	0.00	4.38	0.00	6.92	8.65	1.81		
2+10.000		1.26	1.38									0.00	-23.92
	2.50			1.61	0.00	0.00	4.35	0.00	6.92	8.65	1.61		
2+15.000		1.13	1.38									0.00	-30.96
	2.50			1.01	0.00	0.00	4.31	0.00	6.92	8.65	1.01		
3+0.000		1.00	1.38									0.00	-38.60
	2.50			0.54	0.00	0.00	4.26	0.02	6.92	8.68	0.54		
3+5.000		0.92	1.39									0.00	-46.74
	2.50			0.06	0.00	0.00	0.65	0.01	1.07	1.34	0.06		
3+5.772		0.92	1.39									0.00	-48.02
	0.38			0.21	0.00	0.00	3.56	0.10	5.85	7.44	0.21		
3+10.000		0.86	1.42									0.00	-55.25
	2.12			0.07	0.00	0.00	4.14	0.41	6.92	9.16	0.07		
3+15.000		0.82	1.51									0.00	-64.35
	2.50			0.00	0.00	0.00	4.07	0.88	6.92	9.75	0.00		
4+0.000		0.81	1.60									0.00	-74.10
	2.50			0.00	0.00	0.00	4.02	1.35	6.92	10.34	0.00		
4+5.000		0.80	1.69									0.00	-84.43
	2.50			0.00	0.00	0.00	3.99	1.77	6.92	10.86	0.00		
4+10.000		0.80	1.77									0.00	-95.30
	2.50			0.00	0.00	0.00	4.00	1.71	6.92	10.79	0.00		

## EIXO 09 (0+0.000 - 33+17.996)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
4+15.000		0.81	1.67									0.00	-106.08
	2.50			0.02	0.00	0.00	4.06	1.00	6.92	9.90	0.02		
5+0.000		0.83	1.49									0.00	-115.96
	2.50			0.31	0.00	0.00	4.15	0.39	6.92	9.14	0.31		
5+5.000		0.96	1.42									0.00	-124.79
	2.50			0.79	0.00	0.00	4.21	0.17	6.92	8.86	0.79		
5+10.000		1.05	1.40									0.00	-132.86
	2.50			1.08	0.00	0.00	4.26	0.12	6.92	8.80	1.08		
5+15.000		1.09	1.40									0.00	-140.58
	2.50			1.78	0.00	0.00	4.33	0.06	6.92	8.73	1.78		
6+0.000		1.36	1.38									0.00	-147.53
	2.50			0.70	0.00	0.00	1.22	0.00	1.91	2.39	0.70		
6+1.379		1.42	1.38									0.00	-149.21
	0.69			5.21	0.00	0.00	7.69	0.00	11.93	14.91	5.21		
6+10.000		1.57	1.38									0.00	-158.92
	4.31			6.94	0.00	0.00	9.06	0.00	13.84	17.30	6.94		
7+0.000		1.63	1.38									0.00	-169.28
	5.00			7.44	0.00	0.00	9.11	0.00	13.84	17.30	7.44		
7+10.000		1.68	1.38									0.00	-179.14
	5.00			7.80	0.00	0.00	9.08	0.00	13.84	17.30	7.80		
8+0.000		1.70	1.38									0.00	-188.64
	5.00			7.81	0.00	0.00	9.01	0.00	13.84	17.30	7.81		

## EIXO 09 (0+0.000 - 33+17.996)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
8+10.000		1.67	1.38									0.00	-198.13
	5.00			8.85	0.00	0.00	9.10	0.00	13.84	17.30	8.85		
9+0.000		1.92	1.38									0.00	-206.58
	5.00			0.86	0.00	0.00	0.78	0.00	1.18	1.47	0.86		
9+0.846		1.95	1.38									0.00	-207.19
	0.42			4.54	0.00	0.00	3.88	0.00	5.74	7.18	4.54		
9+5.000		2.10	1.38									0.00	-209.83
	2.08			6.08	0.00	0.00	4.76	0.00	6.92	8.65	6.08		
9+10.000		2.24	1.38									0.00	-212.40
	2.50			6.71	0.00	0.00	4.82	0.00	6.92	8.65	6.71		
9+15.000		2.38	1.38									0.00	-214.34
	2.50			7.43	0.00	0.00	4.89	0.00	6.92	8.65	7.43		
10+0.000		2.55	1.38									0.00	-215.56
	2.50			6.06	0.00	0.00	3.65	0.00	5.11	6.38	6.06		
10+3.687		2.71	1.38									0.00	-215.88
	1.85			2.25	0.00	0.00	1.31	0.00	1.81	2.27	2.25		
10+5.000		2.71	1.38									0.00	-215.90
	0.66			8.72	0.00	0.00	4.98	0.00	6.92	8.65	8.65		
10+10.000		2.77	1.38									0.00	-215.83
	2.50			9.12	0.00	0.00	4.96	0.00	6.92	8.65	8.65		
10+15.000		2.86	1.38									0.00	-215.36
	2.50			9.51	0.00	0.00	4.94	0.00	6.92	8.65	8.65		



## EIXO 09 (0+0.000 - 33+17.996)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
11+0.000		2.92	1.38									0.00	-214.50
	2.50			9.17	0.00	0.00	4.89	0.00	6.92	8.65	8.65		
11+5.000		2.71	1.38									0.00	-213.98
	2.50			2.55	0.00	0.00	1.49	0.00	2.12	2.65	2.55		
11+6.527		2.58	1.38									0.00	-214.07
	0.77			5.08	0.00	0.00	3.37	0.00	4.80	6.00	5.08		
11+10.000		2.32	1.38									0.00	-215.00
	1.74			3.40	0.00	0.00	2.56	0.00	3.71	4.64	3.40		
11+12.680		2.16	1.38									0.00	-216.23
	1.34			2.73	0.00	0.00	2.20	0.00	3.21	4.01	2.73		
11+15.000		2.13	1.38									0.00	-217.52
	1.16			4.70	0.00	0.00	3.64	0.00	5.30	6.63	4.70		
11+18.833		2.26	1.38									0.00	-219.44
	1.92			0.37	0.00	0.00	0.28	0.00	0.40	0.50	0.37		
11+19.118		2.28	1.38									0.00	-219.58
	0.14			1.20	0.00	0.00	0.85	0.00	1.22	1.52	1.20		
12+0.000		2.33	1.38									0.00	-219.90
	0.44			6.50	0.00	0.00	4.29	0.00	6.10	7.63	6.50		
12+4.413		2.52	1.38									0.00	-221.03
	2.21			0.92	0.00	0.00	0.57	0.00	0.82	1.02	0.92		
12+5.000		2.53	1.38									0.00	-221.13
	0.30			7.18	0.00	0.00	4.58	0.00	6.52	8.15	7.18		

## EIXO 09 (0+0.000 - 33+17.996)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
12+9.709		2.46	1.38									0.00	-222.10
	2.36			0.43	0.00	0.00	0.28	0.00	0.40	0.50	0.43		
12+10.000		2.45	1.38									0.00	-222.17
	0.14			7.18	0.00	0.00	4.84	0.00	6.92	8.65	7.18		
12+15.000		2.36	1.38									0.00	-223.64
	2.50			8.24	0.00	0.00	4.93	0.00	6.92	8.65	8.24		
13+0.000		2.91	1.38									0.00	-224.05
	2.50			9.50	0.00	0.00	5.01	0.00	6.92	8.65	8.65		
13+5.000		2.90	1.38									0.00	-223.20
	2.50			8.42	0.00	0.00	4.96	0.00	6.92	8.65	8.42		
13+10.000		2.46	1.38									0.00	-223.43
	2.50			3.65	0.00	0.00	2.59	0.00	3.71	4.64	3.65		
13+12.682		2.20	1.38									0.00	-224.41
	1.34			2.87	0.00	0.00	2.22	0.00	3.21	4.01	2.87		
13+15.000		2.19	1.38									0.00	-225.56
	1.16			6.29	0.00	0.00	4.78	0.00	6.92	8.65	6.29		
14+0.000		2.24	1.38									0.00	-227.92
	2.50			6.53	0.00	0.00	4.81	0.00	6.92	8.65	6.53		
14+5.000		2.30	1.38									0.00	-230.04
	2.50			6.71	0.00	0.00	4.82	0.00	6.92	8.65	6.71		
14+10.000		2.32	1.38									0.00	-231.98
	2.50			6.90	0.00	0.00	4.84	0.00	6.92	8.65	6.90		

## EIXO 09 (0+0.000 - 33+17.996)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
14+15.000		2.38	1.38									0.00	-233.73
	2.50			0.93	0.00	0.00	0.63	0.00	0.90	1.12	0.93		
14+15.654		2.39	1.38									0.00	-233.92
	0.32			6.11	0.00	0.00	4.21	0.00	6.02	7.53	6.11		
15+0.000		2.35	1.38									0.00	-235.34
	2.18			3.98	0.00	0.00	2.86	0.00	4.11	5.14	3.98		
15+2.972		2.25	1.38									0.00	-236.50
	1.49			2.57	0.00	0.00	1.95	0.00	2.81	3.51	2.57		
15+5.000		2.20	1.38									0.00	-237.44
	1.01			5.69	0.00	0.00	4.74	0.00	6.92	8.65	5.69		
15+10.000		1.96	1.38									0.00	-240.40
	2.50			0.29	0.00	0.00	0.27	0.00	0.40	0.50	0.29		
15+10.290		1.92	1.38									0.00	-240.61
	0.15			1.49	0.00	0.00	1.59	0.00	2.39	2.99	1.49		
15+12.020		1.65	1.38									0.00	-242.11
	0.86			1.55	0.00	0.00	2.65	0.00	4.12	5.16	1.55		
15+15.000		1.19	1.38									0.00	-245.72
	1.49			0.78	0.00	0.00	4.17	0.91	6.92	9.79	0.78		
16+0.000		0.80	1.74									0.00	-254.73
	2.50			0.00	0.00	0.00	0.38	0.19	0.66	1.07	0.00		
16+0.481		0.80	1.80									0.00	-255.79
	0.24			0.00	0.00	0.00	3.68	2.91	6.26	11.46	0.00		

## EIXO 09 (0+0.000 - 33+17.996)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
16+5.000		0.83	2.22									0.00	-267.25
	2.26			0.00	0.00	0.00	3.31	3.13	5.45	10.73	0.00		
16+8.942		0.85	2.07									0.00	-277.98
	1.97			0.00	0.00	0.00	0.90	0.71	1.47	2.72	0.00		
16+10.000		0.85	2.02									0.00	-280.70
	0.53			0.10	0.00	0.00	4.22	2.64	6.92	11.95	0.10		
16+15.000		0.88	1.79									0.00	-292.55
	2.50			0.23	0.00	0.00	4.14	1.58	6.92	10.63	0.23		
17+0.000		0.87	1.60									0.00	-302.95
	2.50			0.26	0.00	0.00	4.11	1.02	6.92	9.93	0.26		
17+5.000		0.88	1.57									0.00	-312.61
	2.50			0.53	0.00	0.00	4.19	0.65	6.92	9.46	0.53		
17+10.000		1.01	1.45									0.00	-321.54
	2.50			0.88	0.00	0.00	3.07	0.15	4.94	6.36	0.88		
17+13.572		1.20	1.39									0.00	-327.03
	1.79			0.52	0.00	0.00	1.25	0.01	1.98	2.49	0.52		
17+15.000		1.27	1.38									0.00	-328.99
	0.72			1.85	0.00	0.00	4.34	0.00	6.92	8.65	1.85		
18+0.000		1.21	1.38									0.00	-335.79
	2.50			1.70	0.00	0.00	4.35	0.00	6.92	8.65	1.70		
18+5.000		1.21	1.38									0.00	-342.74
	2.50			2.20	0.00	0.00	4.40	0.00	6.92	8.65	2.20		

## EIXO 09 (0+0.000 - 33+17.996)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
18+10.000		1.43	1.38									0.00	-349.19
	2.50			2.89	0.00	0.00	4.46	0.00	6.92	8.65	2.89		
18+15.000		1.51	1.38									0.00	-354.95
	2.50			1.93	0.00	0.00	2.86	0.00	4.43	5.54	1.93		
18+18.201		1.48	1.38									0.00	-358.56
	1.60			1.03	0.00	0.00	1.61	0.00	2.49	3.11	1.03		
19+0.000		1.45	1.38									0.00	-360.64
	0.90			6.13	0.00	0.00	8.98	0.00	13.84	17.30	6.13		
19+10.000		1.57	1.38									0.00	-371.81
	5.00			6.70	0.00	0.00	9.20	0.00	13.84	17.30	6.70		
20+0.000		1.61	1.38									0.00	-382.41
	5.00			7.14	0.00	0.00	9.27	0.00	13.84	17.30	7.14		
20+10.000		1.67	1.38									0.00	-392.57
	5.00			9.03	0.00	0.00	9.27	0.00	13.84	17.30	9.03		
21+0.000		1.99	1.38									0.00	-400.84
	5.00			11.85	0.00	0.00	9.52	0.00	13.84	17.30	11.85		
21+10.000		2.29	1.38									0.00	-406.29
	5.00			13.71	0.00	0.00	9.68	0.00	13.84	17.30	13.71		
22+0.000		2.39	1.38									0.00	-409.88
	5.00			14.35	0.00	0.00	9.73	0.00	13.84	17.30	14.35		
22+10.000		2.42	1.38									0.00	-412.83
	5.00			13.87	0.00	0.00	9.70	0.00	13.84	17.30	13.87		

## EIXO 09 (0+0.000 - 33+17.996)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
23+0.000		2.29	1.38									0.00	-416.26
	5.00			12.51	0.00	0.00	9.58	0.00	13.84	17.30	12.51		
23+10.000		2.13	1.38									0.00	-421.05
	5.00			11.42	0.00	0.00	9.48	0.00	13.84	17.30	11.42		
24+0.000		2.05	1.38									0.00	-426.93
	5.00			9.20	0.00	0.00	9.38	0.00	13.84	17.30	9.20		
24+10.000		1.66	1.38									0.00	-435.03
	5.00			6.79	0.00	0.00	9.18	0.00	13.84	17.30	6.79		
25+0.000		1.53	1.38									0.00	-445.54
	5.00			7.65	0.00	0.00	9.16	0.00	13.84	17.30	7.65		
25+10.000		1.83	1.38									0.00	-455.19
	5.00			8.49	0.00	0.00	9.21	0.00	13.84	17.30	8.49		
26+0.000		1.71	1.38									0.00	-464.00
	5.00			6.78	0.00	0.00	9.05	0.00	13.84	17.30	6.78		
26+10.000		1.46	1.38									0.00	-474.52
	5.00			5.00	0.00	0.00	8.88	0.00	13.84	17.30	5.00		
27+0.000		1.32	1.38									0.00	-486.82
	5.00			2.39	0.00	0.00	5.00	0.00	7.86	9.83	2.39		
27+5.677		1.28	1.38									0.00	-494.26
	2.84			1.39	0.00	0.00	3.61	0.01	5.70	7.14	1.39		
27+9.800		1.11	1.39									0.00	-500.01
	2.06			0.05	0.00	0.00	0.17	0.00	0.28	0.35	0.05		

## EIXO 09 (0+0.000 - 33+17.996)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
27+10.000		1.10	1.39									0.00	-500.30
	0.10			0.51	0.00	0.00	3.32	0.33	5.43	7.19	0.51		
27+13.922		0.84	1.54									0.00	-506.99
	1.96			0.00	0.00	0.00	0.08	0.02	0.14	0.20	0.00		
27+14.018		0.84	1.55									0.00	-507.19
	0.05			0.01	0.00	0.00	0.80	0.23	1.36	1.98	0.01		
27+15.000		0.81	1.65									0.00	-509.16
	0.49			0.00	0.00	0.00	2.46	1.61	4.25	7.32	0.00		
27+18.069		0.79	2.14									0.00	-516.48
	1.54			0.00	0.00	0.00	1.53	1.91	2.67	5.73	0.00		
28+0.000		0.79	2.58									0.00	-522.21
	0.96			0.00	0.00	0.00	1.71	2.91	2.93	7.31	0.00		
28+2.119		0.82	2.92									0.00	-529.52
	1.06			0.00	0.00	0.00	6.87	14.58	10.91	31.86	0.00		
28+10.000		0.92	3.54									0.00	-561.37
	3.94			0.00	0.00	0.00	9.35	22.76	13.84	45.75	0.00		
29+0.000		0.95	3.78									0.00	-607.12
	5.00			0.00	0.00	0.00	9.66	25.25	13.84	48.86	0.00		
29+10.000		0.98	4.04									0.00	-655.98
	5.00			0.00	0.00	0.00	10.00	28.08	13.84	52.40	0.00		
30+0.000		1.02	4.34									0.00	-708.38
	5.00			0.00	0.00	0.00	10.27	31.34	13.84	56.48	0.00		

## EIXO 09 (0+0.000 - 33+17.996)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
30+10.000		1.04	4.69									0.00	-764.86
	5.00			0.00	0.00	0.00	10.46	33.78	13.84	59.53	0.00		
31+0.000		1.05	4.83									0.00	-824.38
	5.00			0.00	0.00	0.00	10.57	34.67	13.84	60.64	0.00		
31+10.000		1.06	4.87									0.00	-885.02
	5.00			0.00	0.00	0.00	10.68	33.79	13.84	59.54	0.00		
32+0.000		1.08	4.65									0.00	-944.56
	5.00			0.00	0.00	0.00	10.48	30.80	13.84	55.80	0.00		
32+10.000		1.02	4.27									0.00	-1000.36
	5.00			0.00	0.00	0.00	10.52	33.70	13.84	59.43	0.00		
33+0.000		1.08	5.23									0.00	-1059.79
	5.00			0.00	0.00	0.00	10.76	38.56	13.84	65.50	0.00		
33+10.000		1.07	5.24									0.00	-1125.29
	5.00			0.00	0.00	0.00	8.05	26.14	11.07	46.52	0.00		
33+17.996		0.95	4.06									0.00	-1171.80
<b>TOTAL</b>				<b>479.09</b>	<b>0.00</b>	<b>0.00</b>	<b>632.03</b>	<b>382.36</b>	<b>938.35</b>	<b>1650.89</b>	<b>467.94</b>		



## EIXO 10 (0+0.000 - 10+11.823)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+0.000		0.99	4.43									0.00	0.00
	0.00			0.00	0.00	0.00	9.57	26.18	13.84	50.03	0.00		
0+10.000		0.92	3.56									0.00	-50.03
	5.00			0.00	0.00	0.00	9.09	17.14	13.84	38.73	0.00		
1+0.000		0.89	2.63									0.00	-88.75
	5.00			0.45	0.00	0.00	8.81	8.51	13.84	27.94	0.45		
1+10.000		0.96	1.84									0.00	-116.24
	5.00			2.79	0.00	0.00	8.75	2.65	13.84	20.61	2.79		
2+0.000		1.35	1.45									0.00	-134.06
	5.00			6.21	0.00	0.00	8.99	0.39	13.84	17.79	6.21		
2+10.000		1.69	1.39									0.00	-145.64
	5.00			7.32	0.00	0.00	9.13	0.05	13.84	17.36	7.32		
3+0.000		1.60	1.38									0.00	-155.68
	5.00			6.06	0.00	0.00	9.00	0.15	13.84	17.49	6.06		
3+10.000		1.41	1.41									0.00	-167.11
	5.00			5.24	0.00	0.00	8.90	0.34	13.84	17.73	5.24		
4+0.000		1.42	1.42									0.00	-179.59
	5.00			4.86	0.00	0.00	8.84	0.63	13.84	18.09	4.86		
4+10.000		1.33	1.46									0.00	-192.82
	5.00			5.22	0.00	0.00	8.90	1.06	13.84	18.63	5.22		
5+0.000		1.50	1.51									0.00	-206.23
	5.00			6.51	0.00	0.00	9.07	1.32	13.84	18.95	6.51		

## EIXO 10 (0+0.000 - 10+11.823)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
5+10.000		1.62	1.51									0.00	-218.67
	5.00			4.75	0.00	0.00	7.54	1.27	11.46	15.91	4.75		
5+18.282		1.35	1.56									0.00	-229.83
	4.14			0.73	0.00	0.00	1.56	0.29	2.38	3.34	0.73		
6+0.000		1.32	1.54									0.00	-232.44
	0.86			3.69	0.00	0.00	9.21	0.97	13.84	18.51	3.69		
6+10.000		1.26	1.41									0.00	-247.26
	5.00			6.76	0.00	0.00	9.46	0.15	13.84	17.49	6.76		
7+0.000		1.98	1.38									0.00	-257.99
	5.00			13.35	0.00	0.00	9.58	0.00	13.84	17.30	13.35		
7+10.000		2.61	1.38									0.00	-261.94
	5.00			15.02	0.00	0.00	9.51	0.00	13.84	17.30	15.02		
8+0.000		2.30	1.38									0.00	-264.22
	5.00			12.94	0.00	0.00	9.42	0.00	13.84	17.30	12.94		
8+10.000		2.17	1.38									0.00	-268.58
	5.00			11.03	0.00	0.00	9.26	0.00	13.84	17.30	11.03		
9+0.000		1.88	1.38									0.00	-274.85
	5.00			8.36	0.00	0.00	9.22	0.00	13.84	17.30	8.36		
9+10.000		1.63	1.38									0.00	-283.79
	5.00			8.23	0.00	0.00	9.47	0.00	13.84	17.30	8.23		
10+0.000		1.91	1.38									0.00	-292.86
	5.00			11.06	0.00	0.00	9.75	0.00	13.84	17.30	11.06		

## EIXO 10 (0+0.000 - 10+11.823)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
10+10.000		2.25	1.38									0.00	-299.10
	5.00			2.33	0.00	0.00	1.75	0.00	2.52	3.15	2.33		
10+11.823		2.22	1.38									0.00	-299.91
<b>TOTAL</b>				<b>142.91</b>	<b>0.00</b>	<b>0.00</b>	<b>194.78</b>	<b>61.10</b>	<b>293.16</b>	<b>442.82</b>	<b>142.91</b>		

## EIXO 11 (0+0.000 - 48+3.763)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+0.000		1.34	1.38									0.00	0.00
	0.00			5.76	0.00	0.00	8.32	0.00	12.75	15.93	5.76		
0+9.210		1.71	1.38									0.00	-10.17
	4.61			0.61	0.00	0.00	0.74	0.00	1.09	1.37	0.61		
0+10.000		1.72	1.38									0.00	-10.93
	0.40			3.96	0.00	0.00	4.78	0.00	6.92	8.65	3.96		
0+15.000		1.79	1.38									0.00	-15.62
	2.50			0.05	0.00	0.00	0.06	0.00	0.08	0.10	0.05		
0+15.063		1.79	1.38									0.00	-15.67

## EIXO 11 (0+0.000 - 48+3.763)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	0.03			4.34	0.00	0.00	4.85	0.00	6.84	8.55	4.34		
1+0.000		1.94	1.38									0.00	-19.88
	2.47			0.88	0.00	0.00	0.92	0.00	1.27	1.59	0.88		
1+0.916		1.99	1.38									0.00	-20.59
	0.46			9.64	0.00	0.00	9.20	0.00	12.57	15.71	9.64		
1+10.000		2.16	1.38									0.00	-26.66
	4.54			3.16	0.00	0.00	2.97	0.00	4.06	5.07	3.16		
1+12.926		2.03	1.38									0.00	-28.57
	1.47			1.99	0.00	0.00	2.09	0.00	2.86	3.58	1.99		
1+15.000		1.90	1.38									0.00	-30.16
	1.04			2.59	0.00	0.00	3.23	0.00	4.51	5.64	2.59		
1+18.263		1.66	1.38									0.00	-33.21
	1.63			1.10	0.00	0.00	1.68	0.00	2.41	3.01	1.10		
2+0.000		1.54	1.38									0.00	-35.12
	0.87			1.73	0.00	0.00	3.42	0.00	4.98	6.23	1.73		
2+3.601		1.32	1.38									0.00	-39.62
	1.80			2.43	0.00	0.00	5.92	0.17	8.86	11.28	2.43		
2+10.000		1.29	1.43									0.00	-48.47
	3.20			5.57	0.00	0.00	9.24	0.39	13.84	17.79	5.57		
3+0.000		1.67	1.41									0.00	-60.69
	5.00			9.83	0.00	0.00	9.51	0.16	13.84	17.50	9.83		
3+10.000		2.19	1.39									0.00	-68.36

## EIXO 11 (0+0.000 - 48+3.763)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	5.00			13.39	0.00	0.00	9.74	0.03	13.84	17.34	13.39		
4+0.000		2.43	1.38									0.00	-72.31
	5.00			14.69	0.00	0.00	9.82	0.00	13.84	17.30	14.69		
4+10.000		2.47	1.38									0.00	-74.92
	5.00			15.58	0.00	0.00	9.89	0.00	13.84	17.30	15.58		
5+0.000		2.62	1.38									0.00	-76.64
	5.00			15.56	0.00	0.00	9.88	0.00	13.84	17.30	15.56		
5+10.000		2.47	1.38									0.00	-78.38
	5.00			14.24	0.00	0.00	9.74	0.00	13.84	17.30	14.24		
6+0.000		2.33	1.38									0.00	-81.44
	5.00			10.85	0.00	0.00	9.41	0.00	13.84	17.30	10.85		
6+10.000		1.72	1.38									0.00	-87.89
	5.00			9.30	0.00	0.00	9.35	0.00	13.84	17.30	9.30		
7+0.000		2.01	1.38									0.00	-95.89
	5.00			10.65	0.00	0.00	9.44	0.00	13.84	17.30	10.65		
7+10.000		2.01	1.38									0.00	-102.54
	5.00			6.58	0.00	0.00	9.03	0.04	13.84	17.35	6.58		
8+0.000		1.11	1.39									0.00	-113.31
	5.00			1.39	0.00	0.00	8.61	0.04	13.84	17.35	1.39		
8+10.000		0.89	1.38									0.00	-129.27
	5.00			2.70	0.00	0.00	8.74	0.00	13.84	17.30	2.70		
9+0.000		1.40	1.38									0.00	-143.87

## EIXO 11 (0+0.000 - 48+3.763)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	5.00			10.53	0.00	0.00	9.38	0.00	13.84	17.30	10.53		
9+10.000		2.58	1.38									0.00	-150.64
	5.00			16.54	0.00	0.00	9.90	0.00	13.84	17.30	16.54		
10+0.000		2.71	1.38									0.00	-151.40
	5.00			12.28	0.00	0.00	7.34	0.00	10.19	12.73	12.28		
10+7.358		2.63	1.38									0.00	-151.85
	3.68			4.03	0.00	0.00	2.63	0.00	3.65	4.57	4.03		
10+10.000		2.28	1.38									0.00	-152.39
	1.32			0.47	0.00	0.00	0.34	0.00	0.48	0.61	0.47		
10+10.351		2.23	1.38									0.00	-152.52
	0.17			3.41	0.00	0.00	2.90	0.00	4.14	5.17	3.41		
10+13.343		1.90	1.38									0.00	-154.29
	1.50			5.06	0.00	0.00	4.31	0.00	6.14	7.68	5.06		
10+17.781		2.32	1.38									0.00	-156.91
	2.22			3.46	0.00	0.00	2.28	0.00	3.07	3.84	3.46		
11+0.000		2.80	1.38									0.00	-157.29
	1.11			1.43	0.00	0.00	0.81	0.00	1.07	1.33	1.33		
11+0.769		2.96	1.38									0.00	-157.19
	0.39			6.47	0.00	0.00	3.22	0.00	4.14	5.17	5.17		
11+3.758		3.45	1.38									0.00	-155.89
	1.49			17.51	0.00	0.00	6.81	0.00	8.64	10.80	10.80		
11+10.000		4.34	1.38									0.00	-149.18

## EIXO 11 (0+0.000 - 48+3.763)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	3.12			36.75	0.00	0.00	11.37	0.00	13.84	17.30	17.30		
12+0.000		5.28	1.38									0.00	-129.73
	5.00			41.50	0.00	0.00	11.81	0.00	13.84	17.30	17.30		
12+10.000		5.38	1.38									0.00	-105.53
	5.00			38.34	0.00	0.00	11.61	0.00	13.84	17.30	17.30		
13+0.000		4.61	1.38									0.00	-84.49
	5.00			29.13	0.00	0.00	11.07	0.00	13.84	17.30	17.30		
13+10.000		3.43	1.38									0.00	-72.66
	5.00			22.26	0.00	0.00	10.66	0.00	13.84	17.30	17.30		
14+0.000		3.15	1.38									0.00	-67.70
	5.00			18.13	0.00	0.00	10.40	0.00	13.84	17.30	17.30		
14+10.000		2.55	1.38									0.00	-66.87
	5.00			17.29	0.00	0.00	10.54	0.00	13.84	17.30	17.29		
15+0.000		3.01	1.38									0.00	-66.88
	5.00			25.46	0.00	0.00	10.99	0.00	13.84	17.30	17.30		
15+10.000		4.28	1.38									0.00	-58.72
	5.00			26.37	0.00	0.00	10.95	0.00	13.84	17.30	17.30		
16+0.000		3.19	1.38									0.00	-49.65
	5.00			16.55	0.00	0.00	10.43	0.00	13.84	17.30	16.55		
16+10.000		2.21	1.38									0.00	-50.40
	5.00			13.11	0.00	0.00	10.26	0.00	13.84	17.30	13.11		
17+0.000		2.47	1.38									0.00	-54.59

## EIXO 11 (0+0.000 - 48+3.763)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	5.00			15.32	0.00	0.00	10.40	0.00	13.84	17.30	15.32		
17+10.000		2.68	1.38									0.00	-56.57
	5.00			20.53	0.00	0.00	10.76	0.00	13.84	17.30	17.30		
18+0.000		3.58	1.38									0.00	-53.34
	5.00			29.88	0.00	0.00	11.49	0.00	13.84	17.30	17.30		
18+10.000		4.69	1.38									0.00	-40.76
	5.00			28.43	0.00	0.00	11.45	0.00	13.84	17.30	17.30		
19+0.000		3.28	1.38									0.00	-29.63
	5.00			19.78	0.00	0.00	10.98	0.00	13.84	17.30	17.30		
19+10.000		2.87	1.38									0.00	-27.15
	5.00			17.47	0.00	0.00	10.81	0.00	13.84	17.30	17.30		
20+0.000		2.79	1.38									0.00	-26.98
	5.00			17.41	0.00	0.00	10.70	0.00	13.84	17.30	17.30		
20+10.000		2.83	1.38									0.00	-26.87
	5.00			17.67	0.00	0.00	10.64	0.00	13.84	17.30	17.30		
21+0.000		2.83	1.38									0.00	-26.50
	5.00			17.25	0.00	0.00	10.52	0.00	13.84	17.30	17.25		
21+10.000		2.73	1.38									0.00	-26.55
	5.00			20.01	0.00	0.00	10.56	0.00	13.84	17.30	17.30		
22+0.000		3.39	1.38									0.00	-23.84
	5.00			23.99	0.00	0.00	10.80	0.00	13.84	17.30	17.30		
22+10.000		3.57	1.38									0.00	-17.15



## EIXO 11 (0+0.000 - 48+3.763)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	5.00			24.51	0.00	0.00	10.56	0.00	13.84	17.30	17.30		
23+0.000		3.44	1.38									0.00	-9.94
	5.00			22.70	0.00	0.00	10.44	0.00	13.84	17.30	17.30		
23+10.000		3.18	1.38									0.00	-4.54
	5.00			20.51	0.00	0.00	10.63	0.00	13.84	17.30	17.30		
24+0.000		3.04	1.38									0.00	-1.33
	5.00			18.68	0.00	0.00	10.48	0.00	13.84	17.30	17.30		
24+10.000		2.79	1.38									0.05	0.00
	5.00			16.34	0.00	0.00	10.31	0.00	13.84	17.30	16.34		
25+0.000		2.54	1.38									0.00	-0.91
	5.00			14.43	0.00	0.00	10.15	0.00	13.84	17.30	14.43		
25+10.000		2.38	1.38									0.00	-3.78
	5.00			15.07	0.00	0.00	10.20	0.00	13.84	17.30	15.07		
26+0.000		2.68	1.38									0.00	-6.01
	5.00			15.85	0.00	0.00	10.18	0.00	13.84	17.30	15.85		
26+10.000		2.53	1.38									0.00	-7.46
	5.00			8.38	0.00	0.00	5.82	0.00	8.07	10.09	8.38		
26+15.830		2.34	1.38									0.00	-9.16
	2.92			5.88	0.00	0.00	4.13	0.00	5.77	7.21	5.88		
27+0.000		2.44	1.38									0.00	-10.50
	2.08			7.83	0.00	0.00	4.66	0.00	6.82	8.53	7.83		
27+4.931		2.60	1.38									0.00	-11.20

## EIXO 11 (0+0.000 - 48+3.763)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.46			0.12	0.00	0.00	0.06	0.00	0.10	0.12	0.12		
27+5.000		2.60	1.38									0.00	-11.20
	0.04			8.34	0.00	0.00	4.70	0.00	6.92	8.65	8.34		
27+10.000		2.59	1.38									0.00	-11.51
	2.50			6.35	0.00	0.00	3.89	0.00	5.58	6.97	6.35		
27+14.033		2.47	1.38									0.00	-12.13
	2.01			7.98	0.00	0.00	5.62	0.02	8.26	10.35	7.98		
28+0.000		2.09	1.39									0.00	-14.50
	2.99			8.92	0.00	0.00	9.23	1.32	13.84	18.95	8.92		
28+10.000		1.54	1.64									0.00	-24.53
	5.00			5.09	0.00	0.00	9.03	1.76	13.84	19.50	5.09		
29+0.000		1.28	1.48									0.00	-38.94
	5.00			6.06	0.00	0.00	9.02	0.48	13.84	17.90	6.06		
29+10.000		1.73	1.38									0.00	-50.78
	5.00			9.12	0.00	0.00	9.24	0.00	13.84	17.30	9.12		
30+0.000		1.94	1.38									0.00	-58.96
	5.00			10.83	0.00	0.00	9.38	0.00	13.84	17.30	10.83		
30+10.000		2.10	1.38									0.00	-65.43
	5.00			4.03	0.00	0.00	3.28	0.00	4.77	5.97	4.03		
30+13.454		2.13	1.38									0.00	-67.37
	1.73			7.03	0.00	0.00	6.25	0.00	9.07	11.33	7.03		
31+0.000		1.93	1.38									0.00	-71.67

## EIXO 11 (0+0.000 - 48+3.763)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+) (-)	
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	3.27			10.41	0.00	0.00	9.54	0.00	13.84	17.30	10.41		
31+10.000		2.06	1.38									0.00	-78.56
	5.00			10.69	0.00	0.00	9.43	0.00	13.84	17.30	10.69		
32+0.000		1.96	1.38									0.00	-85.17
	5.00			9.57	0.00	0.00	9.36	0.00	13.84	17.30	9.57		
32+10.000		1.83	1.38									0.00	-92.90
	5.00			8.46	0.00	0.00	9.71	0.00	13.84	17.30	8.46		
33+0.000		1.81	1.38									0.00	-101.74
	5.00			9.32	0.00	0.00	9.89	0.00	13.84	17.30	9.32		
33+10.000		2.03	1.38									0.00	-109.72
	5.00			11.07	0.00	0.00	10.58	0.00	13.84	17.30	11.07		
34+0.000		2.30	1.38									0.00	-115.95
	5.00			13.31	0.00	0.00	11.43	0.00	13.84	17.30	13.31		
34+10.000		2.65	1.38									0.00	-119.94
	5.00			12.69	0.00	0.00	12.04	0.14	13.84	17.48	12.69		
35+0.000		2.30	1.41									0.00	-124.73
	5.00			9.75	0.00	0.00	11.33	0.14	13.84	17.48	9.75		
35+10.000		1.92	1.38									0.00	-132.45
	5.00			4.99	0.00	0.00	5.06	0.00	6.88	8.60	4.99		
35+14.973		2.12	1.38									0.00	-136.06
	2.49			0.03	0.00	0.00	0.03	0.00	0.04	0.05	0.03		
35+15.000		2.12	1.38									0.00	-136.08

## EIXO 11 (0+0.000 - 48+3.763)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	0.01			5.41	0.00	0.00	5.14	0.00	6.92	8.65	5.41		
36+0.000		2.11	1.38									0.00	-139.32
	2.50			5.54	0.00	0.00	5.06	0.00	6.92	8.65	5.54		
36+5.000		2.13	1.38									0.00	-142.43
	2.50			5.44	0.00	0.00	4.94	0.00	6.92	8.65	5.44		
36+10.000		2.02	1.38									0.00	-145.64
	2.50			5.36	0.00	0.00	4.90	0.00	6.92	8.65	5.36		
36+15.000		2.09	1.38									0.00	-148.93
	2.50			0.64	0.00	0.00	0.57	0.00	0.80	1.00	0.64		
36+15.576		2.11	1.38									0.00	-149.30
	0.29			5.33	0.00	0.00	4.37	0.00	6.12	7.65	5.33		
37+0.000		2.29	1.38									0.00	-151.61
	2.21			6.89	0.00	0.00	4.99	0.00	6.92	8.65	6.89		
37+5.000		2.48	1.38									0.00	-153.37
	2.50			8.12	0.00	0.00	5.16	0.00	6.92	8.65	8.12		
37+10.000		2.87	1.38									0.00	-153.90
	2.50			10.35	0.00	0.00	5.41	0.00	6.92	8.65	8.65		
37+15.000		3.49	1.38									0.00	-152.20
	2.50			2.88	0.00	0.00	1.32	0.00	1.63	2.04	2.04		
37+16.179		3.64	1.38									0.00	-151.36
	0.59			9.90	0.00	0.00	4.74	0.00	5.29	6.61	6.61		
38+0.000		3.91	1.38									0.00	-148.07

## EIXO 11 (0+0.000 - 48+3.763)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+) (-)	
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	1.91			13.15	0.00	0.00	6.20	0.00	6.92	8.65	8.65		
38+5.000		3.73	1.38									0.00	-143.57
	2.50			13.25	0.00	0.00	5.58	0.00	6.92	8.65	8.65		
38+10.000		3.72	1.38									0.00	-138.97
	2.50			2.09	0.00	0.00	0.86	0.00	1.09	1.37	1.37		
38+10.786		3.71	1.38									0.00	-138.25
	0.39			10.76	0.00	0.00	4.56	0.00	5.83	7.28	7.28		
38+15.000		3.49	1.38									0.00	-134.77
	2.11			11.14	0.00	0.00	5.23	0.00	6.92	8.65	8.65		
39+0.000		3.01	1.38									0.00	-132.28
	2.50			9.72	0.00	0.00	5.07	0.00	6.92	8.65	8.65		
39+5.000		2.88	1.38									0.00	-131.21
	2.50			0.74	0.00	0.00	0.40	0.00	0.54	0.67	0.67		
39+5.394		2.88	1.38									0.00	-131.15
	0.19			8.78	0.00	0.00	4.61	0.00	6.38	7.98	7.98		
39+10.000		2.93	1.38									0.00	-130.34
	2.31			19.62	0.00	0.00	9.95	0.00	13.84	17.30	17.30		
40+0.000		2.98	1.38									0.00	-128.02
	5.00			20.42	0.00	0.00	10.01	0.00	13.84	17.30	17.30		
40+10.000		3.10	1.38									0.00	-124.90
	5.00			21.07	0.00	0.00	10.17	0.00	13.84	17.30	17.30		
41+0.000		3.15	1.38									0.00	-121.13

## EIXO 11 (0+0.000 - 48+3.763)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	5.00			21.15	0.00	0.00	10.34	0.00	13.84	17.30	17.30		
41+10.000		3.15	1.38									0.00	-117.28
	5.00			19.94	0.00	0.00	10.57	0.00	13.84	17.30	17.30		
42+0.000		2.95	1.38									0.00	-114.64
	5.00			17.82	0.00	0.00	10.81	0.00	13.84	17.30	17.30		
42+10.000		2.78	1.38									0.00	-114.12
	5.00			15.93	0.00	0.00	10.61	0.00	13.84	17.30	15.93		
43+0.000		2.53	1.38									0.00	-115.49
	5.00			12.51	0.00	0.00	10.40	0.00	13.84	17.30	12.51		
43+10.000		2.05	1.38									0.00	-120.28
	5.00			8.25	0.00	0.00	10.20	0.00	13.84	17.30	8.25		
44+0.000		1.64	1.38									0.00	-129.33
	5.00			6.97	0.00	0.00	9.98	0.00	13.84	17.30	6.97		
44+10.000		1.75	1.38									0.00	-139.66
	5.00			8.27	0.00	0.00	10.07	0.00	13.84	17.30	8.27		
45+0.000		1.92	1.38									0.00	-148.69
	5.00			9.40	0.00	0.00	9.83	0.00	13.84	17.30	9.40		
45+10.000		1.93	1.38									0.00	-156.59
	5.00			8.34	0.00	0.00	8.31	0.00	12.21	15.26	8.34		
45+18.817		1.85	1.38									0.00	-163.51
	4.41			1.08	0.00	0.00	1.10	0.00	1.63	2.04	1.08		
46+0.000		1.83	1.38									0.00	-164.47

## EIXO 11 (0+0.000 - 48+3.763)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	0.59			2.08	0.00	0.00	2.18	0.00	3.27	4.08	2.08		
46+2.361		1.78	1.38									0.00	-166.48
	1.18			2.21	0.00	0.00	2.43	0.00	3.65	4.57	2.21		
46+5.000		1.73	1.38									0.00	-168.83
	1.32			0.73	0.00	0.00	0.83	0.00	1.26	1.57	0.73		
46+5.906		1.71	1.38									0.00	-169.68
	0.45			2.96	0.00	0.00	3.72	0.00	5.66	7.08	2.96		
46+10.000		1.55	1.38									0.00	-173.79
	2.05			1.12	0.00	0.00	1.68	0.00	2.59	3.24	1.12		
46+11.873		1.44	1.38									0.00	-175.91
	0.94			1.53	0.00	0.00	2.77	0.00	4.33	5.41	1.53		
46+15.000		1.30	1.38									0.00	-179.79
	1.57			0.09	0.00	0.00	0.19	0.00	0.29	0.36	0.09		
46+15.214		1.29	1.38									0.00	-180.07
	0.11			1.60	0.00	0.00	2.95	0.00	4.64	5.80	1.60		
46+18.556		1.45	1.38									0.00	-184.26
	1.67			0.93	0.00	0.00	1.30	0.00	1.99	2.49	0.93		
47+0.000		1.63	1.38									0.00	-185.82
	0.72			9.24	0.00	0.00	9.22	0.00	13.84	17.30	9.24		
47+10.000		2.06	1.38									0.00	-193.88
	5.00			1.84	0.00	0.00	1.57	0.00	2.34	2.92	1.84		
47+11.694		1.97	1.38									0.00	-194.97

## EIXO 11 (0+0.000 - 48+3.763)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	0.85			3.68	0.00	0.00	3.08	0.00	4.58	5.73	3.68		
47+15.000		2.16	1.38									0.00	-197.01
	1.65			0.28	0.00	0.00	0.21	0.00	0.32	0.40	0.28		
47+15.228		2.15	1.38									0.00	-197.13
	0.12			3.75	0.00	0.00	3.31	0.00	4.89	6.11	3.75		
47+18.763		1.86	1.38									0.00	-199.49
	1.76			1.08	0.00	0.00	1.14	0.00	1.72	2.15	1.08		
48+0.000		1.72	1.38									0.00	-200.55
	0.62			2.57	0.00	0.00	3.41	0.00	5.20	6.50	2.57		
48+3.763		1.46	1.38									0.00	-204.49
<b>TOTAL</b>				<b>1468.68</b>	<b>0.00</b>	<b>0.00</b>	<b>976.81</b>	<b>4.69</b>	<b>1333.84</b>	<b>1673.17</b>	<b>1264.58</b>		

## EIXO 12 (0+0.000 - 30+19.547)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+0.000		0.77	2.07									0.00	0.00
	0.00			0.00	0.00	0.00	3.84	3.81	6.92	13.41	0.00		



## EIXO 12 (0+0.000 - 30+19.547)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+5.000		0.77	2.21									0.00	-13.41
	2.50			0.00	0.00	0.00	2.74	2.93	4.89	9.77	0.00		
0+8.534		0.78	2.18									0.00	-23.18
	1.77			0.00	0.00	0.00	1.15	1.12	2.03	3.94	0.00		
0+10.000		0.78	2.05									0.00	-27.13
	0.74			0.00	0.00	0.00	1.63	1.09	2.86	4.94	0.00		
0+12.069		0.81	1.72									0.00	-32.07
	1.04			0.01	0.00	0.00	1.02	0.28	1.73	2.51	0.01		
0+13.316		0.84	1.48									0.00	-34.57
	0.63			0.18	0.00	0.00	1.44	0.07	2.33	2.99	0.18		
0+15.000		1.02	1.38									0.00	-37.39
	0.84			0.47	0.00	0.00	1.54	0.00	2.45	3.06	0.47		
0+16.766		1.18	1.38									0.00	-39.98
	0.89			1.07	0.00	0.00	2.83	0.00	4.47	5.59	1.07		
1+0.000		1.21	1.38									0.00	-44.50
	1.62			0.07	0.00	0.00	0.19	0.00	0.30	0.38	0.07		
1+0.217		1.21	1.38									0.00	-44.81
	0.11			2.14	0.00	0.00	8.42	0.00	13.54	16.92	2.14		
1+10.000		0.95	1.38									0.00	-59.59
	4.89			0.51	0.00	0.00	8.39	0.62	13.84	18.08	0.51		
2+0.000		0.83	1.50									0.00	-77.15
	5.00			1.01	0.00	0.00	8.42	0.62	13.84	18.08	1.01		

## EIXO 12 (0+0.000 - 30+19.547)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+) (-)	
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
2+10.000		1.06	1.38									0.00	-94.22
	5.00			5.00	0.00	0.00	8.85	0.00	13.84	17.30	5.00		
3+0.000		1.71	1.38									0.00	-106.52
	5.00			9.07	0.00	0.00	9.25	0.00	13.84	17.30	9.07		
3+10.000		1.95	1.38									0.00	-114.75
	5.00			10.25	0.00	0.00	9.36	0.00	13.84	17.30	10.25		
4+0.000		1.97	1.38									0.00	-121.80
	5.00			10.02	0.00	0.00	9.34	0.00	13.84	17.30	10.02		
4+10.000		1.90	1.38									0.00	-129.08
	5.00			8.87	0.00	0.00	9.23	0.00	13.84	17.30	8.87		
5+0.000		1.72	1.38									0.00	-137.51
	5.00			8.15	0.00	0.00	9.16	0.00	13.84	17.30	8.15		
5+10.000		1.74	1.38									0.00	-146.66
	5.00			8.19	0.00	0.00	9.11	0.00	13.84	17.30	8.19		
6+0.000		1.72	1.38									0.00	-155.77
	5.00			8.71	0.00	0.00	9.17	0.00	13.84	17.30	8.71		
6+10.000		1.86	1.38									0.00	-164.36
	5.00			9.68	0.00	0.00	9.31	0.00	13.84	17.30	9.68		
7+0.000		1.94	1.38									0.00	-171.98
	5.00			10.43	0.00	0.00	9.43	0.00	13.84	17.30	10.43		
7+10.000		2.03	1.38									0.00	-178.85
	5.00			10.15	0.00	0.00	9.53	0.00	13.84	17.30	10.15		

## EIXO 12 (0+0.000 - 30+19.547)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
8+0.000		1.91	1.38									0.00	-186.00
	5.00			9.01	0.00	0.00	9.48	0.00	13.84	17.30	9.01		
8+10.000		1.79	1.38									0.00	-194.29
	5.00			9.36	0.00	0.00	9.59	0.00	13.84	17.30	9.36		
9+0.000		2.00	1.38									0.00	-202.23
	5.00			10.37	0.00	0.00	9.82	0.00	13.84	17.30	10.37		
9+10.000		2.04	1.38									0.00	-209.16
	5.00			7.00	0.00	0.00	6.26	0.00	8.75	10.93	7.00		
9+16.318		2.16	1.38									0.00	-213.09
	3.16			4.43	0.00	0.00	3.68	0.00	5.09	6.37	4.43		
10+0.000		2.24	1.38									0.00	-215.03
	1.84			3.11	0.00	0.00	2.49	0.00	3.43	4.29	3.11		
10+2.478		2.27	1.38									0.00	-216.21
	1.24			3.22	0.00	0.00	2.53	0.00	3.49	4.36	3.22		
10+5.000		2.28	1.38									0.00	-217.35
	1.26			4.50	0.00	0.00	3.64	0.00	5.04	6.30	4.50		
10+8.638		2.18	1.38									0.00	-219.14
	1.82			1.58	0.00	0.00	1.35	0.00	1.88	2.35	1.58		
10+10.000		2.13	1.38									0.00	-219.92
	0.68			9.97	0.00	0.00	9.76	0.00	13.84	17.30	9.97		
11+0.000		1.82	1.38									0.00	-227.25
	5.00			9.51	0.00	0.00	9.73	0.00	13.84	17.30	9.51		

## EIXO 12 (0+0.000 - 30+19.547)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
11+10.000		2.03	1.38									0.00	-235.04
	5.00			9.33	0.00	0.00	8.39	0.00	12.01	15.02	9.33		
11+18.681		2.05	1.38									0.00	-240.72
	4.34			1.40	0.00	0.00	1.25	0.00	1.83	2.28	1.40		
12+0.000		1.96	1.38									0.00	-241.61
	0.66			5.24	0.00	0.00	4.70	0.00	6.92	8.65	5.24		
12+5.000		2.01	1.38									0.00	-245.02
	2.50			5.47	0.00	0.00	4.72	0.00	6.92	8.65	5.47		
12+10.000		2.06	1.38									0.00	-248.20
	2.50			5.44	0.00	0.00	4.71	0.00	6.92	8.65	5.44		
12+15.000		2.00	1.38									0.00	-251.41
	2.50			0.32	0.00	0.00	0.28	0.00	0.42	0.52	0.32		
12+15.300		1.99	1.38									0.00	-251.60
	0.15			4.68	0.00	0.00	4.39	0.00	6.50	8.13	4.68		
13+0.000		1.87	1.38									0.00	-255.06
	2.35			4.61	0.00	0.00	4.64	0.00	6.92	8.65	4.61		
13+5.000		1.85	1.38									0.00	-259.10
	2.50			4.29	0.00	0.00	4.62	0.00	6.92	8.65	4.29		
13+10.000		1.76	1.38									0.00	-263.46
	2.50			1.63	0.00	0.00	1.77	0.00	2.66	3.32	1.63		
13+11.918		1.85	1.38									0.00	-265.15
	0.96			3.20	0.00	0.00	2.95	0.00	4.33	5.41	3.20		

## EIXO 12 (0+0.000 - 30+19.547)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
13+15.053		2.08	1.38									0.00	-267.36
	1.57			6.17	0.00	0.00	4.78	0.00	6.85	8.56	6.17		
14+0.000		2.28	1.38									0.00	-269.76
	2.47			6.33	0.00	0.00	4.84	0.00	6.92	8.65	6.33		
14+5.000		2.12	1.38									0.00	-272.08
	2.50			4.88	0.00	0.00	4.70	0.00	6.92	8.65	4.88		
14+10.000		1.65	1.38									0.00	-275.85
	2.50			0.55	0.00	0.00	0.69	0.00	1.05	1.31	0.55		
14+10.761		1.56	1.38									0.00	-276.61
	0.38			1.83	0.00	0.00	3.78	0.00	5.87	7.34	1.83		
14+15.000		1.05	1.38									0.00	-282.12
	2.12			1.00	0.00	0.00	4.33	0.00	6.92	8.65	1.00		
15+0.000		1.08	1.38									0.00	-289.77
	2.50			1.19	0.00	0.00	4.31	0.00	6.92	8.65	1.19		
15+5.000		1.14	1.38									0.00	-297.23
	2.50			0.41	0.00	0.00	1.27	0.00	2.03	2.54	0.41		
15+6.469		1.18	1.38									0.00	-299.36
	0.74			1.24	0.00	0.00	3.09	0.00	4.89	6.11	1.24		
15+10.000		1.27	1.38									0.00	-304.23
	1.76			6.25	0.00	0.00	9.00	0.00	13.84	17.30	6.25		
16+0.000		1.77	1.38									0.00	-315.28
	5.00			11.84	0.00	0.00	9.44	0.00	13.84	17.30	11.84		

## EIXO 12 (0+0.000 - 30+19.547)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
16+10.000		2.48	1.38									0.00	-320.74
	5.00			16.15	0.00	0.00	9.79	0.00	13.84	17.30	16.15		
17+0.000		2.71	1.38									0.00	-321.89
	5.00			16.51	0.00	0.00	9.87	0.00	13.84	17.30	16.51		
17+10.000		2.57	1.38									0.00	-322.68
	5.00			14.85	0.00	0.00	9.78	0.00	13.84	17.30	14.85		
18+0.000		2.36	1.38									0.00	-325.13
	5.00			14.82	0.00	0.00	9.75	0.00	13.84	17.30	14.82		
18+10.000		2.56	1.38									0.00	-327.61
	5.00			15.61	0.00	0.00	9.83	0.00	13.84	17.30	15.61		
19+0.000		2.53	1.38									0.00	-329.30
	5.00			12.54	0.00	0.00	9.59	0.00	13.84	17.30	12.54		
19+10.000		1.90	1.38									0.00	-334.06
	5.00			7.99	0.00	0.00	9.27	0.00	13.84	17.30	7.99		
20+0.000		1.56	1.38									0.00	-343.36
	5.00			5.20	0.00	0.00	9.04	0.47	13.84	17.89	5.20		
20+10.000		1.29	1.47									0.00	-356.05
	5.00			3.24	0.00	0.00	8.85	1.79	13.84	19.54	3.24		
21+0.000		1.13	1.64									0.00	-372.35
	5.00			4.66	0.00	0.00	9.00	1.95	13.84	19.74	4.66		
21+10.000		1.61	1.51									0.00	-387.43
	5.00			1.38	0.00	0.00	1.65	0.18	2.48	3.32	1.38		

## EIXO 12 (0+0.000 - 30+19.547)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
21+11.787		1.79	1.45									0.00	-389.37
	0.90			1.51	0.00	0.00	1.54	0.09	2.34	3.04	1.51		
21+13.485		2.10	1.40									0.00	-390.90
	0.84			1.87	0.00	0.00	1.42	0.02	2.10	2.65	1.87		
21+15.000		2.57	1.38									0.00	-391.68
	0.76			0.27	0.00	0.00	0.18	0.00	0.25	0.31	0.27		
21+15.183		2.63	1.38									0.00	-391.72
	0.09			3.54	0.00	0.00	1.95	0.00	2.64	3.30	3.30		
21+17.086		3.13	1.38									0.00	-391.49
	0.95			3.88	0.00	0.00	1.81	0.00	2.28	2.85	2.85		
21+18.739		3.40	1.38									0.00	-390.46
	0.83			3.16	0.00	0.00	1.38	0.00	1.74	2.18	2.18		
22+0.000		3.44	1.38									0.00	-389.48
	0.63			1.00	0.00	0.00	0.42	0.00	0.54	0.67	0.67		
22+0.393		3.43	1.38									0.00	-389.15
	0.19			12.14	0.00	0.00	5.50	0.00	7.27	9.08	9.08		
22+5.643		3.29	1.38									0.00	-386.10
	2.63			4.16	0.00	0.00	1.96	0.00	2.49	3.11	3.11		
22+7.444		3.11	1.38									0.00	-385.05
	0.90			3.54	0.00	0.00	1.95	0.00	2.51	3.13	3.13		
22+9.246		2.64	1.38									0.00	-384.64
	0.91			2.47	0.00	0.00	1.78	0.00	2.41	3.01	2.47		

## EIXO 12 (0+0.000 - 30+19.547)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
22+10.993		2.23	1.38									0.00	-385.18
	0.87			1.91	0.00	0.00	1.71	0.00	2.44	3.04	1.91		
22+12.749		2.06	1.38									0.00	-386.32
	0.88			1.71	0.00	0.00	1.70	0.00	2.44	3.04	1.71		
22+14.506		1.95	1.38									0.00	-387.65
	0.88			4.66	0.00	0.00	5.35	0.00	7.60	9.50	4.66		
23+0.000		1.69	1.38									0.00	-392.49
	2.75			5.64	0.00	0.00	9.50	0.18	13.84	17.53	5.64		
23+10.000		1.33	1.42									0.00	-404.38
	5.00			4.23	0.00	0.00	9.35	0.44	13.84	17.85	4.23		
24+0.000		1.38	1.43									0.00	-418.00
	5.00			6.75	0.00	0.00	9.49	0.26	13.84	17.63	6.75		
24+10.000		1.87	1.38									0.00	-428.87
	5.00			11.38	0.00	0.00	9.97	0.00	13.84	17.30	11.38		
25+0.000		2.40	1.38									0.00	-434.79
	5.00			13.00	0.00	0.00	10.20	0.00	13.84	17.30	13.00		
25+10.000		2.24	1.38									0.00	-439.09
	5.00			11.52	0.00	0.00	10.05	0.00	13.84	17.30	11.52		
26+0.000		2.08	1.38									0.00	-444.87
	5.00			10.77	0.00	0.00	9.93	0.00	13.84	17.30	10.77		
26+10.000		2.06	1.38									0.00	-451.40
	5.00			10.91	0.00	0.00	9.89	0.00	13.84	17.30	10.91		



## EIXO 12 (0+0.000 - 30+19.547)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
27+0.000		2.10	1.38									0.00	-457.79
	5.00			8.79	0.00	0.00	9.65	0.00	13.84	17.30	8.79		
27+10.000		1.59	1.38									0.00	-466.30
	5.00			5.48	0.00	0.00	9.20	0.02	13.84	17.33	5.48		
28+0.000		1.35	1.38									0.00	-478.14
	5.00			4.85	0.00	0.00	9.01	0.02	13.84	17.33	4.85		
28+10.000		1.43	1.38									0.00	-490.62
	5.00			5.84	0.00	0.00	9.06	0.00	13.84	17.30	5.84		
29+0.000		1.55	1.38									0.00	-502.08
	5.00			7.21	0.00	0.00	9.13	0.00	13.84	17.30	7.21		
29+10.000		1.71	1.38									0.00	-512.17
	5.00			7.71	0.00	0.00	9.15	0.00	13.84	17.30	7.71		
30+0.000		1.66	1.38									0.00	-521.76
	5.00			7.54	0.00	0.00	9.15	0.00	13.84	17.30	7.54		
30+10.000		1.68	1.38									0.00	-531.52
	5.00			8.60	0.00	0.00	8.83	0.00	13.22	16.52	8.60		
30+19.547		1.97	1.38									0.00	-539.44
<b>TOTAL</b>				<b>552.33</b>	<b>0.00</b>	<b>0.00</b>	<b>580.96</b>	<b>15.96</b>	<b>857.46</b>	<b>1091.77</b>	<b>545.25</b>		

## EIXO 13 (0+0.000 - 29+4.398)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+0.000		0.87	1.70									0.00	0.00
	0.00			0.28	0.00	0.00	8.38	13.12	13.84	33.70	0.28		
0+10.000		0.86	3.69									0.00	-33.42
	5.00			0.16	0.00	0.00	9.13	22.03	13.84	44.84	0.16		
1+0.000		1.00	3.48									0.00	-78.10
	5.00			2.31	0.00	0.00	9.96	16.87	13.84	38.39	2.31		
1+10.000		1.46	2.65									0.00	-114.18
	5.00			5.65	0.00	0.00	10.20	8.18	13.84	27.53	5.65		
2+0.000		1.71	1.74									0.00	-136.05
	5.00			7.80	0.00	0.00	10.17	3.99	13.84	22.29	7.80		
2+10.000		1.88	1.82									0.00	-150.54
	5.00			9.68	0.00	0.00	10.07	3.59	13.84	21.79	9.68		
3+0.000		2.07	1.66									0.00	-162.65
	5.00			11.05	0.00	0.00	9.63	2.25	13.84	20.11	11.05		
3+10.000		2.07	1.55									0.00	-171.71
	5.00			11.98	0.00	0.00	9.71	1.05	13.84	18.61	11.98		
4+0.000		2.27	1.42									0.00	-178.34
	5.00			0.19	0.00	0.00	0.16	0.01	0.21	0.27	0.19		
4+0.152		2.28	1.42									0.00	-178.42
	0.08			4.47	0.00	0.00	3.49	0.15	4.62	5.97	4.47		
4+3.493		2.12	1.44									0.00	-179.92
	1.67			1.50	0.00	0.00	1.54	0.12	2.09	2.76	1.50		

## EIXO 13 (0+0.000 - 29+4.398)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
4+5.000		1.61	1.48									0.00	-181.18
	0.76			0.75	0.00	0.00	1.75	0.33	2.53	3.58	0.75		
4+6.833		1.01	1.62									0.00	-184.01
	0.91			0.57	0.00	0.00	2.80	0.76	4.39	6.43	0.57		
4+10.000		1.12	1.61									0.00	-189.87
	1.59			0.98	0.00	0.00	2.29	0.41	3.63	5.05	0.98		
4+12.616		1.37	1.46									0.00	-193.94
	1.31			1.52	0.00	0.00	2.19	0.11	3.29	4.25	1.52		
4+15.000		1.56	1.41									0.00	-196.67
	1.19			0.69	0.00	0.00	0.87	0.02	1.29	1.63	0.69		
4+15.927		1.61	1.40									0.00	-197.62
	0.47			2.68	0.00	0.00	3.11	0.07	4.58	5.81	2.68		
4+19.238		1.69	1.41									0.00	-200.75
	1.65			0.58	0.00	0.00	0.70	0.02	1.05	1.34	0.58		
5+0.000		1.67	1.41									0.00	-201.51
	0.38			7.13	0.00	0.00	9.10	0.42	13.84	17.83	7.13		
5+10.000		1.57	1.44									0.00	-212.21
	5.00			7.04	0.00	0.00	9.05	0.43	13.84	17.84	7.04		
6+0.000		1.64	1.41									0.00	-223.00
	5.00			7.58	0.00	0.00	9.11	0.16	13.84	17.50	7.58		
6+10.000		1.69	1.38									0.00	-232.92
	5.00			7.86	0.00	0.00	9.17	0.01	13.84	17.31	7.86		

## EIXO 13 (0+0.000 - 29+4.398)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
7+0.000		1.71	1.38									0.00	-242.38
	5.00			10.09	0.00	0.00	9.35	0.00	13.84	17.30	10.09		
7+10.000		2.18	1.38									0.00	-249.59
	5.00			17.83	0.00	0.00	9.96	0.00	13.84	17.30	17.30		
8+0.000		3.38	1.38									0.00	-249.06
	5.00			16.36	0.00	0.00	10.03	0.00	13.84	17.30	16.36		
8+10.000		1.90	1.38									0.00	-250.00
	5.00			9.16	0.00	0.00	9.51	0.00	13.84	17.30	9.16		
9+0.000		1.84	1.38									0.00	-258.14
	5.00			12.15	0.00	0.00	9.61	0.00	13.84	17.30	12.15		
9+10.000		2.51	1.38									0.00	-263.29
	5.00			14.42	0.00	0.00	9.80	0.00	13.84	17.30	14.42		
10+0.000		2.33	1.38									0.00	-266.17
	5.00			13.30	0.00	0.00	9.67	0.00	13.84	17.30	13.30		
10+10.000		2.26	1.38									0.00	-270.17
	5.00			14.26	0.00	0.00	9.71	0.00	13.84	17.30	14.26		
11+0.000		2.53	1.38									0.00	-273.21
	5.00			16.74	0.00	0.00	9.93	0.00	13.84	17.30	16.74		
11+10.000		2.80	1.38									0.00	-273.77
	5.00			19.34	0.00	0.00	10.12	0.00	13.84	17.30	17.30		
12+0.000		3.09	1.38									0.00	-271.73
	5.00			20.67	0.00	0.00	10.18	0.00	13.84	17.30	17.30		

## EIXO 13 (0+0.000 - 29+4.398)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
12+10.000		3.08	1.38									0.00	-268.36
	5.00			20.86	0.00	0.00	10.21	0.00	13.84	17.30	17.30		
13+0.000		3.13	1.38									0.00	-264.80
	5.00			16.62	0.00	0.00	9.89	0.00	13.84	17.30	16.62		
13+10.000		2.17	1.38									0.00	-265.48
	5.00			15.54	0.00	0.00	9.81	0.00	13.84	17.30	15.54		
14+0.000		2.90	1.38									0.00	-267.24
	5.00			16.36	0.00	0.00	9.89	0.00	13.84	17.30	16.36		
14+10.000		2.35	1.38									0.00	-268.18
	5.00			11.45	0.00	0.00	9.51	0.00	13.84	17.30	11.45		
15+0.000		1.84	1.38									0.00	-274.03
	5.00			14.45	0.00	0.00	9.78	0.00	13.84	17.30	14.45		
15+10.000		3.00	1.38									0.00	-276.88
	5.00			18.65	0.00	0.00	10.10	0.00	13.84	17.30	17.30		
16+0.000		2.75	1.38									0.00	-275.53
	5.00			6.93	0.00	0.00	4.13	0.00	5.77	7.21	6.93		
16+4.173		2.55	1.38									0.00	-275.81
	2.09			1.30	0.00	0.00	0.82	0.00	1.15	1.44	1.30		
16+5.000		2.51	1.38									0.00	-275.95
	0.41			0.97	0.00	0.00	0.62	0.00	0.87	1.09	0.97		
16+5.630		2.47	1.38									0.00	-276.06
	0.31			2.14	0.00	0.00	1.43	0.00	2.02	2.53	2.14		

## EIXO 13 (0+0.000 - 29+4.398)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
16+7.087		2.37	1.38									0.00	-276.45
	0.73			3.86	0.00	0.00	2.81	0.00	4.03	5.03	3.86		
16+10.000		2.20	1.38									0.00	-277.63
	1.46			5.25	0.00	0.00	4.35	0.00	6.35	7.94	5.25		
16+14.592		1.98	1.38									0.00	-280.32
	2.29			0.41	0.00	0.00	0.38	0.00	0.57	0.71	0.41		
16+15.000		1.96	1.38									0.00	-280.62
	0.21			1.03	0.00	0.00	0.97	0.00	1.45	1.82	1.03		
16+16.049		1.91	1.38									0.00	-281.40
	0.53			1.36	0.00	0.00	1.34	0.00	2.02	2.53	1.36		
16+17.507		1.87	1.38									0.00	-282.57
	0.73			2.25	0.00	0.00	2.31	0.00	3.45	4.31	2.25		
17+0.000		1.79	1.38									0.00	-284.63
	1.25			7.42	0.00	0.00	9.24	0.00	13.84	17.30	7.42		
17+10.000		1.54	1.38									0.00	-294.51
	5.00			6.28	0.00	0.00	9.35	0.00	13.84	17.30	6.28		
18+0.000		1.58	1.38									0.00	-305.53
	5.00			7.79	0.00	0.00	9.40	0.00	13.84	17.30	7.79		
18+10.000		1.85	1.38									0.00	-315.04
	5.00			12.60	0.00	0.00	9.61	0.00	13.84	17.30	12.60		
19+0.000		2.59	1.38									0.00	-319.74
	5.00			14.09	0.00	0.00	9.80	0.00	13.84	17.30	14.09		

## EIXO 13 (0+0.000 - 29+4.398)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
19+10.000		2.19	1.38									0.00	-322.95
	5.00			7.55	0.00	0.00	9.40	0.38	13.84	17.78	7.55		
20+0.000		1.20	1.46									0.00	-333.17
	5.00			3.54	0.00	0.00	9.09	0.89	13.84	18.41	3.54		
20+10.000		1.33	1.48									0.00	-348.04
	5.00			5.97	0.00	0.00	9.43	0.51	13.84	17.94	5.97		
21+0.000		1.75	1.38									0.00	-360.01
	5.00			13.68	0.00	0.00	9.96	0.00	13.84	17.30	13.68		
21+10.000		2.97	1.38									0.00	-363.63
	5.00			19.00	0.00	0.00	10.14	0.00	13.84	17.30	17.30		
22+0.000		2.85	1.38									0.00	-361.93
	5.00			14.03	0.00	0.00	9.74	0.00	13.84	17.30	14.03		
22+10.000		1.90	1.38									0.00	-365.20
	5.00			6.13	0.00	0.00	9.20	0.00	13.84	17.30	6.13		
23+0.000		1.17	1.38									0.00	-376.37
	5.00			2.73	0.00	0.00	9.11	0.00	13.84	17.30	2.73		
23+10.000		1.20	1.38									0.00	-390.94
	5.00			5.93	0.00	0.00	9.24	0.00	13.84	17.30	5.93		
24+0.000		1.83	1.38									0.00	-402.31
	5.00			13.90	0.00	0.00	9.70	0.00	13.84	17.30	13.90		
24+10.000		2.89	1.38									0.00	-405.71
	5.00			24.70	0.00	0.00	10.64	0.00	13.84	17.30	17.30		

## EIXO 13 (0+0.000 - 29+4.398)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
25+0.000		4.18	1.38									0.00	-398.31
	5.00			36.06	0.00	0.00	11.46	0.00	13.84	17.30	17.30		
25+10.000		5.32	1.38									0.00	-379.55
	5.00			8.85	0.00	0.00	2.54	0.00	3.02	3.77	3.77		
25+12.179		5.13	1.38									0.00	-374.47
	1.09			11.16	0.00	0.00	3.32	0.00	3.90	4.88	4.88		
25+15.000		5.14	1.38									0.00	-368.19
	1.41			17.70	0.00	0.00	5.84	0.00	6.92	8.65	8.65		
26+0.000		4.28	1.38									0.00	-359.14
	2.50			14.14	0.00	0.00	5.53	0.00	6.92	8.65	8.65		
26+5.000		3.59	1.38									0.00	-353.65
	2.50			11.69	0.00	0.00	5.32	0.00	6.92	8.65	8.65		
26+10.000		3.22	1.38									0.00	-350.61
	2.50			9.29	0.00	0.00	5.18	0.00	6.92	8.65	8.65		
26+15.000		2.57	1.38									0.00	-349.97
	2.50			5.87	0.00	0.00	4.94	0.00	6.92	8.65	5.87		
27+0.000		1.75	1.38									0.00	-352.75
	2.50			0.39	0.00	0.00	0.49	0.00	0.71	0.88	0.39		
27+0.515		1.69	1.38									0.00	-353.24
	0.25			3.39	0.00	0.00	4.22	0.00	6.21	7.77	3.39		
27+5.000		1.71	1.38									0.00	-357.62
	2.25			3.77	0.00	0.00	4.57	0.00	6.92	8.65	3.77		



## EIXO 13 (0+0.000 - 29+4.398)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
27+10.000		1.63	1.38									0.00	-362.50
	2.50			2.24	0.00	0.00	4.38	0.00	6.92	8.65	2.24		
27+15.000		1.02	1.38									0.00	-368.91
	2.50			0.42	0.00	0.00	4.14	0.96	6.92	9.85	0.42		
28+0.000		0.80	1.76									0.00	-378.34
	2.50			0.00	0.00	0.00	3.92	2.83	6.92	12.19	0.00		
28+5.000		0.77	2.13									0.00	-390.53
	2.50			0.00	0.00	0.00	2.99	3.27	5.33	10.75	0.00		
28+8.850		0.78	2.33									0.00	-401.28
	1.93			0.00	0.00	0.00	0.91	1.14	1.59	3.41	0.00		
28+10.000		0.79	2.37									0.00	-404.69
	0.57			0.00	0.00	0.00	0.98	1.24	1.70	3.68	0.00		
28+11.228		0.78	2.35									0.00	-408.37
	0.62			0.00	0.00	0.00	1.95	2.29	3.28	6.96	0.00		
28+13.605		0.83	2.21									0.00	-415.33
	1.19			0.00	0.00	0.00	0.91	0.67	1.55	2.78	0.00		
28+14.719		0.80	1.75									0.00	-418.11
	0.56			0.00	0.00	0.00	0.23	0.08	0.39	0.58	0.00		
28+15.000		0.81	1.65									0.00	-418.69
	0.14			0.37	0.00	0.00	1.77	0.26	2.85	3.89	0.37		
28+17.059		1.15	1.42									0.00	-422.21
	1.03			1.10	0.00	0.00	2.15	0.06	3.24	4.12	1.10		

## EIXO 13 (0+0.000 - 29+4.398)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
28+19.398		1.37	1.42									0.00	-425.23
	1.17			0.28	0.00	0.00	0.54	0.03	0.83	1.08	0.28		
29+0.000		1.35	1.43									0.00	-426.03
	0.30			0.80	0.00	0.00	1.66	0.17	2.63	3.50	0.80		
29+1.898		1.25	1.50									0.00	-428.73
	0.95			0.79	0.00	0.00	2.19	0.54	3.46	5.00	0.79		
29+4.398		1.13	1.69									0.00	-432.94
<b>TOTAL</b>				<b>689.85</b>	<b>0.00</b>	<b>0.00</b>	<b>563.98</b>	<b>89.42</b>	<b>808.81</b>	<b>1122.79</b>	<b>621.56</b>		

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+0.000		0.86	1.39									0.00	0.00
	0.00			0.19	0.00	0.00	2.11	0.23	3.49	4.65	0.19		
0+2.517		0.97	1.55									0.00	-4.46
	1.26			0.33	0.00	0.00	2.24	1.00	3.43	5.54	0.33		
0+5.000		1.10	2.01									0.00	-9.67

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	1.24			0.01	0.00	0.00	0.03	0.02	0.04	0.08	0.01		
0+5.033		1.10	2.02									0.00	-9.73
	0.02			0.23	0.00	0.00	2.10	1.79	3.27	6.32	0.23		
0+7.389		0.95	2.85									0.00	-15.82
	1.18			0.01	0.00	0.00	2.35	6.31	3.25	11.95	0.01		
0+9.744		1.13	5.63									0.00	-27.77
	1.18			0.00	0.00	0.00	1.25	5.07	1.47	8.17	0.00		
0+10.804		1.24	6.69									0.00	-35.94
	0.53			0.00	0.00	0.00	3.03	12.71	3.32	20.04	0.00		
0+13.198		1.25	6.59									0.00	-55.98
	1.20			0.00	0.00	0.00	2.25	9.44	2.49	14.91	0.00		
0+15.000		1.19	6.48									0.00	-70.89
	0.90			0.00	0.00	0.00	0.71	3.06	0.82	4.85	0.00		
0+15.592		1.19	6.43									0.00	-75.74
	0.30			0.00	0.00	0.00	5.15	21.43	6.10	34.42	0.00		
1+0.000		1.15	6.05									0.00	-110.16
	2.21			0.00	0.00	0.00	5.67	22.27	6.92	36.49	0.00		
1+5.000		1.12	5.61									0.00	-146.64
	2.50			0.00	0.00	0.00	5.48	20.05	6.92	33.71	0.00		
1+10.000		1.08	5.17									0.00	-180.36
	2.50			0.00	0.00	0.00	5.29	17.78	6.92	30.88	0.00		
1+15.000		1.04	4.71									0.00	-211.23

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.50			0.00	0.00	0.00	3.37	10.38	4.51	18.61	0.00		
1+18.263		1.02	4.41									0.00	-229.84
	1.63			0.00	0.00	0.00	1.76	5.12	2.41	9.41	0.00		
2+0.000		1.00	4.24									0.00	-239.26
	0.87			0.00	0.00	0.00	4.86	13.15	6.92	25.09	0.00		
2+5.000		0.94	3.78									0.00	-264.34
	2.50			0.00	0.00	0.00	4.54	10.23	6.92	21.44	0.00		
2+10.000		0.87	3.08									0.00	-285.78
	2.50			0.00	0.00	0.00	4.18	6.67	6.92	16.99	0.00		
2+15.000		0.80	2.35									0.00	-302.77
	2.50			0.00	0.00	0.00	3.99	3.37	6.92	12.86	0.00		
3+0.000		0.80	1.75									0.00	-315.63
	2.50			0.00	0.00	0.00	0.75	0.30	1.30	2.00	0.00		
3+0.935		0.81	1.65									0.00	-317.63
	0.47			2.59	0.00	0.00	7.73	1.25	12.54	17.24	2.59		
3+10.000		1.47	1.38									0.00	-332.28
	4.53			9.09	0.00	0.00	9.26	0.00	13.84	17.30	9.09		
4+0.000		2.20	1.38									0.00	-340.49
	5.00			2.91	0.00	0.00	2.13	0.00	3.07	3.84	2.91		
4+2.219		2.34	1.38									0.00	-341.42
	1.11			4.01	0.00	0.00	2.70	0.00	3.85	4.81	4.01		
4+5.000		2.49	1.38									0.00	-342.22

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	1.39			8.04	0.00	0.00	4.94	0.00	6.92	8.65	8.04		
4+10.000		2.70	1.38									0.00	-342.83
	2.50			7.67	0.00	0.00	4.91	0.00	6.92	8.65	7.67		
4+15.000		2.33	1.38									0.00	-343.81
	2.50			6.37	0.00	0.00	4.80	0.00	6.92	8.65	6.37		
5+0.000		2.14	1.38									0.00	-346.09
	2.50			5.36	0.00	0.00	4.72	0.00	6.92	8.65	5.36		
5+5.000		1.90	1.38									0.00	-349.38
	2.50			5.14	0.00	0.00	4.71	0.00	6.92	8.65	5.14		
5+10.000		2.04	1.38									0.00	-352.89
	2.50			6.16	0.00	0.00	4.77	0.00	6.92	8.65	6.16		
5+15.000		2.33	1.38									0.00	-355.38
	2.50			7.26	0.00	0.00	4.85	0.00	6.92	8.65	7.26		
6+0.000		2.52	1.38									0.00	-356.77
	2.50			7.48	0.00	0.00	4.84	0.00	6.92	8.65	7.48		
6+5.000		2.41	1.38									0.00	-357.94
	2.50			7.19	0.00	0.00	4.79	0.00	6.92	8.65	7.19		
6+10.000		2.38	1.38									0.00	-359.40
	2.50			7.01	0.00	0.00	4.78	0.00	6.92	8.65	7.01		
6+15.000		2.34	1.38									0.00	-361.04
	2.50			6.77	0.00	0.00	4.77	0.00	6.92	8.65	6.77		
7+0.000		2.28	1.38									0.00	-362.92

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.50			6.46	0.00	0.00	4.77	0.00	6.92	8.65	6.46		
7+5.000		2.21	1.38									0.00	-365.11
	2.50			3.79	0.00	0.00	2.94	0.00	4.25	5.31	3.79		
7+8.071		2.17	1.38									0.00	-366.63
	1.54			2.40	0.00	0.00	1.84	0.00	2.67	3.34	2.40		
7+10.000		2.23	1.38									0.00	-367.57
	0.97			6.37	0.00	0.00	4.82	0.00	6.92	8.65	6.37		
7+15.000		2.25	1.38									0.00	-369.85
	2.50			6.05	0.00	0.00	4.81	0.00	6.92	8.65	6.05		
8+0.000		2.10	1.38									0.00	-372.45
	2.50			5.40	0.00	0.00	4.77	0.00	6.92	8.65	5.40		
8+5.000		1.97	1.38									0.00	-375.70
	2.50			4.81	0.00	0.00	4.75	0.00	6.92	8.65	4.81		
8+10.000		1.86	1.38									0.00	-379.54
	2.50			4.34	0.00	0.00	4.75	0.00	6.92	8.65	4.34		
8+15.000		1.78	1.38									0.00	-383.85
	2.50			4.09	0.00	0.00	4.77	0.00	6.92	8.65	4.09		
9+0.000		1.77	1.38									0.00	-388.41
	2.50			4.32	0.00	0.00	4.87	0.00	6.92	8.65	4.32		
9+5.000		1.91	1.38									0.00	-392.74
	2.50			4.84	0.00	0.00	4.95	0.00	6.92	8.65	4.84		
9+10.000		2.01	1.38									0.00	-396.55

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.50			5.33	0.00	0.00	4.89	0.00	6.92	8.65	5.33		
9+15.000		2.08	1.38									0.00	-399.87
	2.50			6.72	0.00	0.00	4.86	0.00	6.92	8.65	6.72		
10+0.000		2.55	1.38									0.00	-401.80
	2.50			7.60	0.00	0.00	4.94	0.00	6.92	8.65	7.60		
10+5.000		2.47	1.38									0.00	-402.85
	2.50			6.74	0.00	0.00	4.98	0.00	6.92	8.65	6.74		
10+10.000		2.22	1.38									0.00	-404.76
	2.50			4.92	0.00	0.00	3.91	0.00	5.43	6.78	4.92		
10+13.923		2.28	1.38									0.00	-406.62
	1.96			1.48	0.00	0.00	1.10	0.00	1.49	1.87	1.48		
10+15.000		2.34	1.38									0.00	-407.01
	0.54			2.34	0.00	0.00	1.62	0.00	2.19	2.73	2.34		
10+16.583		2.47	1.38									0.00	-407.40
	0.79			3.79	0.00	0.00	2.75	0.00	3.68	4.60	3.79		
10+19.242		2.27	1.38									0.00	-408.21
	1.33			0.38	0.00	0.00	0.32	0.00	0.43	0.54	0.38		
10+19.553		2.21	1.38									0.00	-408.37
	0.16			0.51	0.00	0.00	0.44	0.00	0.62	0.78	0.51		
11+0.000		2.15	1.38									0.00	-408.64
	0.22			2.50	0.00	0.00	2.26	0.00	3.17	3.96	2.50		
11+2.289		2.04	1.38									0.00	-410.10

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	1.15			3.02	0.00	0.00	2.69	0.00	3.75	4.69	3.02		
11+5.000		2.14	1.38									0.00	-411.77
	1.36			0.03	0.00	0.00	0.02	0.00	0.03	0.03	0.03		
11+5.024		2.14	1.38									0.00	-411.77
	0.01			7.28	0.00	0.00	5.00	0.00	6.89	8.62	7.28		
11+10.000		2.80	1.38									0.00	-413.11
	2.49			8.91	0.00	0.00	5.00	0.00	6.92	8.65	8.65		
11+15.000		2.76	1.38									0.00	-412.85
	2.50			8.16	0.00	0.00	4.93	0.00	6.92	8.65	8.16		
12+0.000		2.47	1.38									0.00	-413.34
	2.50			6.93	0.00	0.00	4.85	0.00	6.92	8.65	6.93		
12+5.000		2.24	1.38									0.00	-415.06
	2.50			7.13	0.00	0.00	4.87	0.00	6.92	8.65	7.13		
12+10.000		2.56	1.38									0.00	-416.58
	2.50			6.91	0.00	0.00	4.84	0.00	6.92	8.65	6.91		
12+15.000		2.14	1.38									0.00	-418.32
	2.50			5.33	0.00	0.00	4.70	0.00	6.92	8.65	5.33		
13+0.000		1.87	1.38									0.00	-421.64
	2.50			5.21	0.00	0.00	4.70	0.00	6.92	8.65	5.21		
13+5.000		2.09	1.38									0.00	-425.08
	2.50			6.07	0.00	0.00	4.76	0.00	6.92	8.65	6.07		
13+10.000		2.24	1.38									0.00	-427.66



## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.50			5.71	0.00	0.00	4.73	0.00	6.92	8.65	5.71		
13+15.000		1.93	1.38									0.00	-430.60
	2.50			4.11	0.00	0.00	4.57	0.00	6.92	8.65	4.11		
14+0.000		1.54	1.38									0.00	-435.14
	2.50			1.98	0.00	0.00	4.36	0.03	6.92	8.69	1.98		
14+5.000		1.00	1.39									0.00	-441.85
	2.50			0.45	0.00	0.00	4.21	0.34	6.92	9.08	0.45		
14+10.000		0.87	1.50									0.00	-450.47
	2.50			0.34	0.00	0.00	4.20	0.43	6.92	9.19	0.34		
14+15.000		0.95	1.43									0.00	-459.32
	2.50			0.86	0.00	0.00	4.28	0.12	6.92	8.80	0.86		
15+0.000		1.11	1.38									0.00	-467.26
	2.50			2.59	0.00	0.00	4.44	0.00	6.92	8.65	2.59		
15+5.000		1.70	1.38									0.00	-473.32
	2.50			6.36	0.00	0.00	4.71	0.00	6.92	8.65	6.36		
15+10.000		2.72	1.38									0.00	-475.61
	2.50			9.92	0.00	0.00	4.95	0.00	6.92	8.65	8.65		
15+15.000		3.23	1.38									0.00	-474.34
	2.50			10.42	0.00	0.00	5.03	0.00	6.92	8.65	8.65		
16+0.000		2.96	1.38									0.00	-472.57
	2.50			8.69	0.00	0.00	4.93	0.00	6.92	8.65	8.65		
16+5.000		2.49	1.38									0.00	-472.53

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.50			6.28	0.00	0.00	4.76	0.00	6.92	8.65	6.28		
16+10.000		1.93	1.38									0.00	-474.90
	2.50			3.68	0.00	0.00	4.55	0.00	6.92	8.65	3.68		
16+15.000		1.37	1.38									0.00	-479.87
	2.50			1.96	0.00	0.00	4.40	0.00	6.92	8.65	1.96		
17+0.000		1.18	1.38									0.00	-486.56
	2.50			1.65	0.00	0.00	4.37	0.00	6.92	8.65	1.65		
17+5.000		1.23	1.38									0.00	-493.56
	2.50			2.00	0.00	0.00	4.41	0.00	6.92	8.65	2.00		
17+10.000		1.33	1.38									0.00	-500.21
	2.50			2.37	0.00	0.00	4.44	0.00	6.92	8.65	2.37		
17+15.000		1.39	1.38									0.00	-506.49
	2.50			2.75	0.00	0.00	4.49	0.00	6.92	8.65	2.75		
18+0.000		1.50	1.38									0.00	-512.39
	2.50			3.45	0.00	0.00	4.54	0.00	6.92	8.65	3.45		
18+5.000		1.69	1.38									0.00	-517.59
	2.50			3.44	0.00	0.00	4.53	0.00	6.92	8.65	3.44		
18+10.000		1.50	1.38									0.00	-522.80
	2.50			0.40	0.00	0.00	0.61	0.00	0.94	1.18	0.40		
18+10.682		1.46	1.38									0.00	-523.57
	0.34			2.67	0.00	0.00	3.88	0.00	5.98	7.47	2.67		
18+15.000		1.58	1.38									0.00	-528.38

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.16			4.41	0.00	0.00	4.61	0.00	6.92	8.65	4.41		
19+0.000		2.03	1.38									0.00	-532.62
	2.50			6.54	0.00	0.00	4.81	0.00	6.92	8.65	6.54		
19+5.000		2.51	1.38									0.00	-534.73
	2.50			8.81	0.00	0.00	5.00	0.00	6.92	8.65	8.65		
19+10.000		3.02	1.38									0.00	-534.57
	2.50			10.94	0.00	0.00	5.16	0.00	6.92	8.65	8.65		
19+15.000		3.42	1.38									0.00	-532.28
	2.50			11.45	0.00	0.00	5.20	0.00	6.92	8.65	8.65		
20+0.000		3.24	1.38									0.00	-529.48
	2.50			10.68	0.00	0.00	5.15	0.00	6.92	8.65	8.65		
20+5.000		3.10	1.38									0.00	-527.45
	2.50			10.03	0.00	0.00	5.10	0.00	6.92	8.65	8.65		
20+10.000		2.96	1.38									0.00	-526.07
	2.50			9.40	0.00	0.00	5.05	0.00	6.92	8.65	8.65		
20+15.000		2.82	1.38									0.00	-525.32
	2.50			8.76	0.00	0.00	4.99	0.00	6.92	8.65	8.65		
21+0.000		2.68	1.38									0.00	-525.21
	2.50			8.08	0.00	0.00	4.93	0.00	6.92	8.65	8.08		
21+5.000		2.52	1.38									0.00	-525.78
	2.50			7.34	0.00	0.00	4.87	0.00	6.92	8.65	7.34		
21+10.000		2.36	1.38									0.00	-527.09

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.50			6.57	0.00	0.00	4.80	0.00	6.92	8.65	6.57		
21+15.000		2.19	1.38									0.00	-529.17
	2.50			5.80	0.00	0.00	4.72	0.00	6.92	8.65	5.80		
22+0.000		2.02	1.38									0.00	-532.02
	2.50			5.05	0.00	0.00	4.65	0.00	6.92	8.65	5.05		
22+5.000		1.86	1.38									0.00	-535.62
	2.50			4.64	0.00	0.00	4.67	0.00	6.92	8.65	4.64		
22+10.000		1.86	1.38									0.00	-539.63
	2.50			5.06	0.00	0.00	4.73	0.00	6.92	8.65	5.06		
22+15.000		2.05	1.38									0.00	-543.22
	2.50			5.46	0.00	0.00	4.76	0.00	6.92	8.65	5.46		
23+0.000		2.04	1.38									0.00	-546.41
	2.50			5.44	0.00	0.00	4.77	0.00	6.92	8.65	5.44		
23+5.000		2.05	1.38									0.00	-549.62
	2.50			5.53	0.00	0.00	4.80	0.00	6.92	8.65	5.53		
23+10.000		2.08	1.38									0.00	-552.74
	2.50			5.79	0.00	0.00	4.85	0.00	6.92	8.65	5.79		
23+15.000		2.17	1.38									0.00	-555.60
	2.50			6.42	0.00	0.00	4.92	0.00	6.92	8.65	6.42		
24+0.000		2.36	1.38									0.00	-557.83
	2.50			7.46	0.00	0.00	4.94	0.00	6.92	8.65	7.46		
24+5.000		2.60	1.38									0.00	-559.02

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.50			8.50	0.00	0.00	5.00	0.00	6.92	8.65	8.50		
24+10.000		2.80	1.38									0.00	-559.17
	2.50			9.29	0.00	0.00	5.06	0.00	6.92	8.65	8.65		
24+15.000		2.94	1.38									0.00	-558.53
	2.50			9.87	0.00	0.00	5.06	0.00	6.92	8.65	8.65		
25+0.000		3.03	1.38									0.00	-557.31
	2.50			9.93	0.00	0.00	5.02	0.00	6.92	8.65	8.65		
25+5.000		2.95	1.38									0.00	-556.03
	2.50			8.88	0.00	0.00	4.92	0.00	6.92	8.65	8.65		
25+10.000		2.57	1.38									0.00	-555.80
	2.50			6.51	0.00	0.00	4.77	0.00	6.92	8.65	6.51		
25+15.000		1.94	1.38									0.00	-557.94
	2.50			1.27	0.00	0.00	1.25	0.00	1.85	2.32	1.27		
25+16.340		1.82	1.38									0.00	-558.99
	0.67			2.98	0.00	0.00	3.07	0.00	4.61	5.76	2.98		
25+19.665		1.83	1.38									0.00	-561.77
	1.66			0.30	0.00	0.00	0.31	0.00	0.46	0.57	0.30		
26+0.000		1.83	1.38									0.00	-562.04
	0.17			2.52	0.00	0.00	2.74	0.00	4.14	5.17	2.52		
26+2.990		1.71	1.38									0.00	-564.69
	1.50			4.35	0.00	0.00	4.47	0.00	6.70	8.37	4.35		
26+7.827		1.93	1.38									0.00	-568.71

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.42			2.10	0.00	0.00	2.03	0.00	3.00	3.75	2.10		
26+10.000		1.82	1.38									0.00	-570.37
	1.08			1.20	0.00	0.00	1.30	0.00	1.95	2.44	1.20		
26+11.413		1.68	1.38									0.00	-571.61
	0.70			2.17	0.00	0.00	3.26	0.00	4.97	6.21	2.17		
26+15.000		1.30	1.38									0.00	-575.65
	1.80			1.53	0.00	0.00	4.38	0.44	6.92	9.20	1.53		
27+0.000		1.06	1.56									0.00	-583.32
	2.50			0.51	0.00	0.00	3.44	1.16	5.63	8.49	0.51		
27+4.069		0.88	1.78									0.00	-591.30
	2.04			0.03	0.00	0.00	0.77	0.41	1.29	2.12	0.03		
27+5.000		0.84	1.87									0.00	-593.39
	0.46			0.05	0.00	0.00	4.06	3.79	6.92	13.39	0.05		
27+10.000		0.80	2.40									0.00	-606.73
	2.50			0.00	0.00	0.00	2.55	3.61	4.35	9.94	0.00		
27+13.139		0.82	2.66									0.00	-616.67
	1.57			0.00	0.00	0.00	1.55	2.49	2.57	6.33	0.00		
27+15.000		0.84	2.80									0.00	-623.00
	0.93			0.00	0.00	0.00	2.77	3.78	4.77	10.69	0.00		
27+18.454		0.77	2.16									0.00	-633.70
	1.73			0.00	0.00	0.00	1.21	0.86	2.15	3.76	0.00		
28+0.000		0.81	1.71									0.00	-637.45

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+) (-)	
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	0.77			1.38	0.00	0.00	3.21	0.63	5.22	7.31	1.38		
28+3.769		1.61	1.38									0.00	-643.38
	1.88			4.15	0.00	0.00	3.47	0.00	5.11	6.38	4.15		
28+7.460		2.52	1.38									0.00	-645.62
	1.85			4.88	0.00	0.00	2.56	0.00	3.52	4.39	4.39		
28+10.000		3.40	1.38									0.00	-645.13
	1.27			6.20	0.00	0.00	2.59	0.00	3.38	4.22	4.22		
28+12.444		3.85	1.38									0.00	-643.15
	1.22			7.65	0.00	0.00	2.80	0.00	3.54	4.43	4.43		
28+15.000		4.38	1.38									0.00	-639.93
	1.28			8.41	0.00	0.00	2.72	0.00	3.36	4.20	4.20		
28+17.427		4.84	1.38									0.00	-635.72
	1.21			9.67	0.00	0.00	2.92	0.00	3.56	4.45	4.45		
29+0.000		4.95	1.38									0.00	-630.50
	1.29			17.12	0.00	0.00	5.60	0.00	6.92	8.65	8.65		
29+5.000		4.14	1.38									0.00	-622.03
	2.50			6.44	0.00	0.00	2.48	0.00	3.16	3.94	3.94		
29+7.283		3.68	1.38									0.00	-619.53
	1.14			6.42	0.00	0.00	2.86	0.00	3.76	4.71	4.71		
29+10.000		3.15	1.38									0.00	-617.82
	1.36			8.63	0.00	0.00	5.02	0.00	6.92	8.65	8.63		
29+15.000		2.31	1.38									0.00	-617.84

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.50			2.71	0.00	0.00	2.08	0.00	2.96	3.70	2.71		
29+17.139		2.17	1.38									0.00	-618.83
	1.07			3.51	0.00	0.00	2.76	0.00	3.96	4.95	3.51		
30+0.000		2.21	1.38									0.00	-620.27
	1.43			11.71	0.00	0.00	9.57	0.00	13.84	17.30	11.71		
30+10.000		2.04	1.38									0.00	-625.86
	5.00			9.20	0.00	0.00	9.24	0.02	13.84	17.33	9.20		
31+0.000		1.65	1.38									0.00	-633.99
	5.00			5.65	0.00	0.00	8.91	0.02	13.84	17.33	5.65		
31+10.000		1.27	1.38									0.00	-645.66
	5.00			5.56	0.00	0.00	8.96	0.00	13.84	17.30	5.56		
32+0.000		1.64	1.38									0.00	-657.40
	5.00			6.13	0.00	0.00	8.98	0.00	13.84	17.30	6.13		
32+10.000		1.38	1.38									0.00	-668.57
	5.00			9.07	0.00	0.00	9.20	0.00	13.84	17.30	9.07		
33+0.000		2.27	1.38									0.00	-676.80
	5.00			11.43	0.00	0.00	9.42	0.00	13.84	17.30	11.43		
33+10.000		1.90	1.38									0.00	-682.67
	5.00			10.47	0.00	0.00	9.39	0.00	13.84	17.30	10.47		
34+0.000		2.07	1.38									0.00	-689.50
	5.00			13.18	0.00	0.00	9.59	0.00	13.84	17.30	13.18		
34+10.000		2.48	1.38									0.00	-693.62



## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	5.00			13.11	0.00	0.00	9.58	0.00	13.84	17.30	13.11		
35+0.000		2.06	1.38									0.00	-697.81
	5.00			15.02	0.00	0.00	9.77	0.00	13.84	17.30	15.02		
35+10.000		2.90	1.38									0.00	-700.09
	5.00			23.05	0.00	0.00	10.42	0.00	13.84	17.30	17.30		
36+0.000		3.79	1.38									0.00	-694.34
	5.00			31.19	0.00	0.00	11.03	0.00	13.84	17.30	17.30		
36+10.000		4.65	1.38									0.00	-680.45
	5.00			36.61	0.00	0.00	11.42	0.00	13.84	17.30	17.30		
37+0.000		4.96	1.38									0.00	-661.14
	5.00			38.31	0.00	0.00	11.56	0.00	13.84	17.30	17.30		
37+10.000		5.02	1.38									0.00	-640.13
	5.00			36.45	0.00	0.00	11.43	0.00	13.84	17.30	17.30		
38+0.000		4.56	1.38									0.00	-620.98
	5.00			25.06	0.00	0.00	8.61	0.00	10.71	13.39	13.39		
38+7.736		4.15	1.38									0.00	-609.31
	3.87			6.83	0.00	0.00	2.48	0.00	3.13	3.91	3.91		
38+10.000		4.08	1.38									0.00	-606.39
	1.13			14.58	0.00	0.00	5.44	0.00	6.92	8.65	8.65		
38+15.000		3.93	1.38									0.00	-600.46
	2.50			13.86	0.00	0.00	5.38	0.00	6.92	8.65	8.65		
39+0.000		3.77	1.38									0.00	-595.25

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.50			13.03	0.00	0.00	5.31	0.00	6.92	8.65	8.65		
39+5.000		3.57	1.38									0.00	-590.87
	2.50			12.06	0.00	0.00	5.22	0.00	6.92	8.65	8.65		
39+10.000		3.35	1.38									0.00	-587.46
	2.50			11.05	0.00	0.00	5.14	0.00	6.92	8.65	8.65		
39+15.000		3.13	1.38									0.00	-585.06
	2.50			10.13	0.00	0.00	5.08	0.00	6.92	8.65	8.65		
40+0.000		2.96	1.38									0.00	-583.58
	2.50			9.42	0.00	0.00	5.03	0.00	6.92	8.65	8.65		
40+5.000		2.83	1.38									0.00	-582.81
	2.50			8.50	0.00	0.00	4.96	0.00	6.92	8.65	8.50		
40+10.000		2.56	1.38									0.00	-582.96
	2.50			7.24	0.00	0.00	4.87	0.00	6.92	8.65	7.24		
40+15.000		2.29	1.38									0.00	-584.37
	2.50			6.27	0.00	0.00	4.78	0.00	6.92	8.65	6.27		
41+0.000		2.14	1.38									0.00	-586.75
	2.50			5.88	0.00	0.00	4.75	0.00	6.92	8.65	5.88		
41+5.000		2.12	1.38									0.00	-589.52
	2.50			5.68	0.00	0.00	4.73	0.00	6.92	8.65	5.68		
41+10.000		2.05	1.38									0.00	-592.49
	2.50			5.33	0.00	0.00	4.71	0.00	6.92	8.65	5.33		
41+15.000		1.97	1.38									0.00	-595.81

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.50			1.46	0.00	0.00	1.35	0.00	1.97	2.46	1.46		
41+16.425		1.96	1.38									0.00	-596.81
	0.71			3.65	0.00	0.00	3.38	0.00	4.95	6.19	3.65		
42+0.000		1.97	1.38									0.00	-599.35
	1.79			5.39	0.00	0.00	4.76	0.00	6.92	8.65	5.39		
42+5.000		2.10	1.38									0.00	-602.61
	2.50			5.21	0.00	0.00	4.76	0.00	6.92	8.65	5.21		
42+10.000		1.90	1.38									0.00	-606.05
	2.50			4.41	0.00	0.00	4.70	0.00	6.92	8.65	4.41		
42+15.000		1.75	1.38									0.00	-610.29
	2.50			3.78	0.00	0.00	4.64	0.00	6.92	8.65	3.78		
43+0.000		1.63	1.38									0.00	-615.16
	2.50			3.27	0.00	0.00	4.58	0.00	6.92	8.65	3.27		
43+5.000		1.52	1.38									0.00	-620.54
	2.50			2.98	0.00	0.00	4.54	0.00	6.92	8.65	2.98		
43+10.000		1.49	1.38									0.00	-626.21
	2.50			3.18	0.00	0.00	4.55	0.00	6.92	8.65	3.18		
43+15.000		1.60	1.38									0.00	-631.68
	2.50			3.83	0.00	0.00	4.58	0.00	6.92	8.65	3.83		
44+0.000		1.77	1.38									0.00	-636.50
	2.50			4.64	0.00	0.00	4.64	0.00	6.92	8.65	4.64		
44+5.000		1.95	1.38									0.00	-640.51

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.50			5.06	0.00	0.00	4.67	0.00	6.92	8.65	5.06		
44+10.000		1.94	1.38									0.00	-644.10
	2.50			4.09	0.00	0.00	4.61	0.00	6.92	8.65	4.09		
44+15.000		1.54	1.38									0.00	-648.66
	2.50			2.53	0.00	0.00	4.48	0.00	6.92	8.65	2.53		
45+0.000		1.27	1.38									0.00	-654.78
	2.50			1.58	0.00	0.00	4.36	0.03	6.92	8.69	1.58		
45+5.000		1.11	1.39									0.00	-661.89
	2.50			0.03	0.00	0.00	0.10	0.00	0.15	0.19	0.03		
45+5.113		1.11	1.39									0.00	-662.05
	0.06			1.05	0.00	0.00	4.20	0.09	6.77	8.57	1.05		
45+10.000		1.04	1.41									0.00	-669.57
	2.44			1.51	0.00	0.00	8.54	0.35	13.84	17.74	1.51		
46+0.000		0.97	1.42									0.00	-685.80
	5.00			0.28	0.00	0.00	2.17	0.10	3.52	4.52	0.28		
46+2.542		0.96	1.41									0.00	-690.04
	1.27			0.23	0.00	0.00	2.10	0.06	3.40	4.33	0.23		
46+5.000		0.94	1.40									0.00	-694.14
	1.23			0.47	0.00	0.00	4.28	0.04	6.92	8.70	0.47		
46+10.000		0.96	1.38									0.00	-702.37
	2.50			0.89	0.00	0.00	4.32	0.00	6.92	8.65	0.89		
46+15.000		1.12	1.38									0.00	-710.13

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	2.50			1.67	0.00	0.00	4.37	0.00	6.92	8.65	1.67		
47+0.000		1.30	1.38									0.00	-717.11
	2.50			2.49	0.00	0.00	4.45	0.00	6.92	8.65	2.49		
47+5.000		1.48	1.38									0.00	-723.27
	2.50			1.00	0.00	0.00	1.48	0.00	2.27	2.84	1.00		
47+6.641		1.54	1.38									0.00	-725.10
	0.82			2.51	0.00	0.00	3.06	0.00	4.65	5.81	2.51		
47+10.000		1.78	1.38									0.00	-728.41
	1.68			5.25	0.00	0.00	4.70	0.00	6.92	8.65	5.25		
47+15.000		2.20	1.38									0.00	-731.81
	2.50			6.62	0.00	0.00	4.78	0.00	6.92	8.65	6.62		
48+0.000		2.36	1.38									0.00	-733.84
	2.50			5.88	0.00	0.00	4.71	0.00	6.92	8.65	5.88		
48+5.000		1.87	1.38									0.00	-736.61
	2.50			4.53	0.00	0.00	4.63	0.00	6.92	8.65	4.53		
48+10.000		1.79	1.38									0.00	-740.73
	2.50			0.65	0.00	0.00	0.68	0.00	1.02	1.28	0.65		
48+10.740		1.81	1.38									0.00	-741.36
	0.37			9.03	0.00	0.00	8.60	0.00	12.82	16.02	9.03		
49+0.000		2.00	1.38									0.00	-748.35
	4.63			8.95	0.00	0.00	9.21	0.00	13.84	17.30	8.95		
49+10.000		1.63	1.38									0.00	-756.70

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+) (-)	
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	5.00			8.10	0.00	0.00	9.18	0.00	13.84	17.30	8.10		
50+0.000		1.82	1.38									0.00	-765.90
	5.00			10.77	0.00	0.00	9.05	0.00	13.23	16.54	10.77		
50+9.555		2.33	1.38									0.00	-771.67
	4.78			0.60	0.00	0.00	0.43	0.00	0.61	0.76	0.60		
50+10.000		2.32	1.38									0.00	-771.83
	0.22			6.41	0.00	0.00	4.81	0.00	6.92	8.65	6.41		
50+15.000		2.17	1.38									0.00	-774.07
	2.50			5.66	0.00	0.00	4.74	0.00	6.92	8.65	5.66		
51+0.000		1.99	1.38									0.00	-777.06
	2.50			4.83	0.00	0.00	4.67	0.00	6.92	8.65	4.83		
51+5.000		1.81	1.38									0.00	-780.88
	2.50			1.40	0.00	0.00	1.51	0.00	2.27	2.84	1.40		
51+6.637		1.75	1.38									0.00	-782.31
	0.82			2.63	0.00	0.00	3.08	0.00	4.65	5.81	2.63		
51+10.000		1.64	1.38									0.00	-785.50
	1.68			3.47	0.00	0.00	4.53	0.00	6.92	8.65	3.47		
51+15.000		1.56	1.38									0.00	-790.68
	2.50			3.51	0.00	0.00	4.52	0.00	6.92	8.65	3.51		
52+0.000		1.65	1.38									0.00	-795.82
	2.50			2.71	0.00	0.00	3.38	0.00	5.15	6.44	2.71		
52+3.718		1.62	1.38									0.00	-799.54

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+) (-)	
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	1.86			4.15	0.00	0.00	5.72	0.00	8.69	10.86	4.15		
52+10.000		1.52	1.38									0.00	-806.26
	3.14			11.08	0.00	0.00	9.49	0.00	13.84	17.30	11.08		
53+0.000		2.59	1.38									0.00	-812.48
	5.00			15.10	0.00	0.00	9.80	0.00	13.84	17.30	15.10		
53+10.000		2.39	1.38									0.00	-814.68
	5.00			12.89	0.00	0.00	9.56	0.00	13.84	17.30	12.89		
54+0.000		2.10	1.38									0.00	-819.09
	5.00			14.90	0.00	0.00	9.75	0.00	13.84	17.30	14.90		
54+10.000		2.83	1.38									0.00	-821.49
	5.00			15.58	0.00	0.00	9.82	0.00	13.84	17.30	15.58		
55+0.000		2.25	1.38									0.00	-823.21
	5.00			12.22	0.00	0.00	9.51	0.00	13.84	17.30	12.22		
55+10.000		2.09	1.38									0.00	-828.29
	5.00			10.18	0.00	0.00	9.40	0.00	13.84	17.30	10.18		
56+0.000		1.82	1.38									0.00	-835.41
	5.00			10.59	0.00	0.00	9.45	0.00	13.84	17.30	10.59		
56+10.000		2.18	1.38									0.00	-842.12
	5.00			12.85	0.00	0.00	9.48	0.00	13.84	17.30	12.85		
57+0.000		2.28	1.38									0.00	-846.57
	5.00			9.69	0.00	0.00	9.19	0.00	13.84	17.30	9.69		
57+10.000		1.50	1.38									0.00	-854.18

## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+) (-)	
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	5.00			4.79	0.00	0.00	8.86	0.00	13.84	17.30	4.79		
58+0.000		1.23	1.38									0.00	-866.69
	5.00			4.01	0.00	0.00	8.80	0.00	13.84	17.30	4.01		
58+10.000		1.33	1.38									0.00	-879.98
	5.00			5.17	0.00	0.00	8.89	0.00	13.84	17.30	5.17		
59+0.000		1.49	1.38									0.00	-892.11
	5.00			6.29	0.00	0.00	9.00	0.00	13.84	17.30	6.29		
59+10.000		1.57	1.38									0.00	-903.12
	5.00			6.44	0.00	0.00	9.03	0.00	13.84	17.30	6.44		
60+0.000		1.52	1.38									0.00	-913.98
	5.00			12.26	0.00	0.00	9.52	0.00	13.84	17.30	12.26		
60+10.000		2.83	1.38									0.00	-919.02
	5.00			16.87	0.00	0.00	9.96	0.00	13.84	17.30	16.87		
61+0.000		2.53	1.38									0.00	-919.45
	5.00			15.13	0.00	0.00	9.85	0.00	13.84	17.30	15.13		
61+10.000		2.46	1.38									0.00	-921.62
	5.00			16.62	0.00	0.00	9.82	0.00	13.84	17.30	16.62		
62+0.000		2.82	1.38									0.00	-922.30
	5.00			6.72	0.00	0.00	3.77	0.00	5.31	6.64	6.64		
62+3.839		2.64	1.38									0.00	-922.22
	1.92			1.93	0.00	0.00	1.15	0.00	1.61	2.01	1.93		
62+5.000		2.58	1.38									0.00	-922.30



## EIXO 14 (0+0.000 - 63+3.564)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
	0.58			1.01	0.00	0.00	0.56	0.00	0.84	1.06	1.01		
62+5.606		2.53	1.38									0.00	-922.34
	0.31			2.72	0.00	0.00	1.61	0.00	2.44	3.04	2.72		
62+7.374		2.37	1.38									0.00	-922.67
	0.88			3.37	0.00	0.00	2.52	0.00	3.64	4.55	3.37		
62+10.000		2.12	1.38									0.00	-923.85
	1.32			0.03	0.00	0.00	0.03	0.00	0.04	0.05	0.03		
62+10.029		2.12	1.38									0.00	-923.87
	0.01			1.96	0.00	0.00	1.66	0.00	2.45	3.06	1.96		
62+11.796		1.98	1.38									0.00	-924.97
	0.88			1.77	0.00	0.00	1.64	0.00	2.44	3.04	1.77		
62+13.563		1.92	1.38									0.00	-926.25
	0.88			6.07	0.00	0.00	5.99	0.00	8.91	11.14	6.07		
63+0.000		1.82	1.38									0.00	-931.32
	3.22			3.34	0.00	0.00	3.32	0.00	4.93	6.16	3.34		
63+3.564		1.91	1.38									0.00	-934.14
<b>TOTAL</b>				<b>1489.86</b>	<b>0.00</b>	<b>0.00</b>	<b>1208.20</b>	<b>190.43</b>	<b>1748.77</b>	<b>2424.00</b>	<b>1328.48</b>		

## 12.3. Anexo III – Quadro de Orientação

### EIXO 01 - (0+0.000 - 7+7.122)

Procedência do Material								Dist. de Transp. (Km)	Momento de Transp. (m <sup>3</sup> *Km)	Destino do Material		Observações
De estaca a estaca	Corte nº	Escav	Emprest	Volume (m <sup>3</sup> )						Aterro nº	Aterro entre Estacas	
				1ª Cat	2ª Cat	3ª Cat	Mat.Brej.					
0+0.000 - 7+7.122	C1			119.72				0.05	-	A1	0+0.000 - 7+7.122	Compensação Lateral
			CxE	134.80				14.90	2008.52	A1	0+0.000 - 7+7.122	Empréstimo
<b>TOTAL</b>				<b>254.52</b>					<b>2008.52</b>			

### EIXO 02 (0+0.000 - 24+13.384)

Procedência do Material								Dist. de Transp. (Km)	Momento de Transp. (m <sup>3</sup> *Km)	Destino do Material		Observações
De estaca a estaca	Corte nº	Escav	Emprest	Volume (m <sup>3</sup> )						Aterro nº	Aterro entre Estacas	
				1ª Cat	2ª Cat	3ª Cat	Mat.Brej.					
0+0.000 - 24+13.384	C1			340.56				0.05	-	A1	0+0.000 - 24+13.384	Compensação Lateral
			CxE	516.40				14.90	7694.36	A1	0+0.000 - 24+13.384	Empréstimo
<b>TOTAL</b>				<b>856.96</b>					<b>7694.36</b>			

### EIXO 03 (0+0.000 - 9+1.778)

Procedência do Material								Dist. de Transp. (Km)	Momento de Transp. (m <sup>3</sup> *Km)	Destino do Material		Observações
De estaca a estaca	Corte nº	Escav	Emprest	Volume (m <sup>3</sup> )						Aterro nº	Aterro entre Estacas	
				1ª Cat	2ª Cat	3ª Cat	Mat.Brej.					
0+0.000 - 9+1.778	C1			125.86				0.05	-	A1	0+0.000 - 9+1.778	Compensação Lateral
			CxE	189.96				14.90	2830.40	A1	0+0.000 - 9+1.778	Empréstimo
<b>TOTAL</b>				<b>315.82</b>					<b>2830.40</b>			

## EIXO 04 (0+0.000 - 27+10.267)

Procedência do Material								Dist. de Transp. (Km)	Momento de Transp. (m <sup>3</sup> *Km)	Destino do Material		Observações
De estaca a estaca	Corte nº	Escav	Emprest	Volume (m <sup>3</sup> )						Aterro nº	Aterro entre Estacas	
				1ª Cat	2ª Cat	3ª Cat	Mat.Brej.					
0+0.000 - 0+5.000	C1			1.12				0.05	-	A1	0+0.000 - 27+10.267	Compensação Lateral
7+10.000 - 8+0.000	C1			11.69				0.05	-	A1	6+10.000 - 7+0.000	Compensação Longitudinal
9+0.000 - 9+10.000	C1			0.31				0.20		A1	6+10.000 - 7+0.000	Compensação Longitudinal
14+0.000 - 15+10.000	C1			29.30				0.20		A1	12+0.000 - 13+10.000	Compensação Longitudinal
			CxE	466.09				14.90	6944.74	A1	0+0.000 - 27+10.267	Empréstimo
<b>TOTAL</b>				<b>508.51</b>					<b>6944.74</b>			

## EIXO 05 (0+0.000 - 55+15.960)

Procedência do Material								Dist. de Transp. (Km)	Momento de Transp. (m <sup>3</sup> *Km)	Destino do Material		Observações
De estaca a estaca	Corte nº	Escav	Emprest	Volume (m <sup>3</sup> )						Aterro nº	Aterro entre Estacas	
				1ª Cat	2ª Cat	3ª Cat	Mat.Brej.					
0+0.000 - 0+5.000	C1			1.12				0.05	-	A1	0+0.000 - 0+5.000	Compensação Lateral
2+0.000 - 42+5.802	C2			834.43				0.05	-	A1	2+0.000 - 42+5.802	Compensação Lateral
15+0.000 - 15+8.179	C2			0.94				0.05	-	A1	14+0.000 - 14+10.000	Compensação Longitudinal
41.10.000 - 41+15.000	C2			2.92				0.05	-	A1	40+10.000 - 41+0.000	Compensação Longitudinal
42+10.000 - 51+10.000	C3			178.79				0.05	-	A1	42+10.000 - 51+10.000	Compensação Lateral
42+0.000 - 47+10.000	C3			5.41				0.05	-	A1	45+10.000 - 46+10.000	Compensação Longitudinal
53+0.000 - 54+0.000	C4			4.68				0.05		A1	53+0.000 - 54+0.000	Compensação Lateral
			CxE	1336.76				14.90	19917.72	A1	0+0.000 - 27+10.267	Empréstimo
<b>TOTAL</b>				<b>2365.05</b>					<b>19917.72</b>			

## EIXO 06 (0+0.000 - 92+5.002)

Procedência do Material								Dist. de Transp. (Km)	Momento de Transp. (m <sup>3</sup> *Km)	Destino do Material		Observações
De estaca a estaca	Corte nº	Escav	Emprest	Volume (m <sup>3</sup> )						Aterro nº	Aterro entre Estacas	
				1ª Cat	2ª Cat	3ª Cat	Mat.Brej.					
0+0.000 - 0+5.000	C1			0.41				0.05	-	A1	0+0.000 - 0+5.000	Compensação Lateral
4+12.328 - 19+10.000	C2			240.18				0.05	-	A1	4+12.328 - 19+10.000	Compensação Lateral
20+10.000 - 31+0.000	C3			120.28				0.05	-	A1	20+10.000 - 31+0.000	Compensação Lateral
34+0.000 - 34+10.000	C4			9.68				0.05	-	A1	34+0.000 - 34+10.000	Compensação Lateral
38+0.000 - 61+1.729	C5			500.24				0.05	-	A1	38+0.000 - 61+1.729	Compensação Lateral
41+0.515 - 43+0.000	C5			104.75				0.20	-	A1	37+10.000 - 41+0.000	Compensação Longitudinal
57+0.000 - 59+10.000	C5			67.71				0.20	-	A1	53+0.000 - 56+10.000	Compensação Longitudinal
64+0.000 - 64+10.000	C6			8.76				0.05	-	A1	64+0.000 - 64+10.000	Compensação Lateral
67+10.000 - 84+10.000	C7			402.16				0.05	-	A1	67+10.000 - 84+10.000	Compensação Lateral
73+0.000 - 73+10.000	C7			0.79				0.05	-	A1	72+0.000 - 72+10.000	Compensação Longitudinal
81+0.000 - 84+0.000	C7			44.51				0.20	-	A1	76+0.000 - 80+10.000	Compensação Longitudinal
85+10.000 - 92+5.002	C8			89.50				0.05	-	A1	85+10.000 - 92+5.002	Compensação Lateral
87+0.00 - 87+10.000	C8			6.43				0.05	-	A1	86+0.000 - 86+10.000	Compensação Longitudinal
			CxE	3305.64				14.90	49254.04	A1	0+0.000 - 92+5.002	Empréstimo
<b>TOTAL</b>				<b>4901.04</b>					<b>49254.04</b>			

## EIXO 07 (0+0.000 - 12+3.341)

Procedência do Material								Dist. de Transp. (Km)	Momento de Transp. (m <sup>3</sup> *Km)	Destino do Material		Observações
De estaca a estaca	Corte nº	Escav	Emprest	Volume (m <sup>3</sup> )						Aterro nº	Aterro entre Estacas	
				1ª Cat	2ª Cat	3ª Cat	Mat.Brej.					
0+0.000 - 10+0.000	C1			222.71				0.05	-	A1	0+0.000 - 10+0.000	Compensação Lateral
2+10.000 - 5+0.000	C1			14.80				0.20	-	A1	0+12.069 - 2+0.000	Compensação Longitudinal
11+0.000 - 12+3.341	C2			16.87				0.05	-	A1	11+0.000 - 12+3.341	Compensação Lateral
			CxE	184.29				14.90	2745.92	A1	0+0.000 - 12+3.341	Empréstimo
<b>TOTAL</b>				<b>438.67</b>					<b>2745.92</b>			

## EIXO 08 (0+0.000 - 15+4.845)

Procedência do Material								Dist. de Transp. (Km)	Momento de Transp. (m <sup>3</sup> *Km)	Destino do Material		Observações
De estaca a estaca	Corte nº	Escav	Emprest	Volume (m <sup>3</sup> )						Aterro nº	Aterro entre Estacas	
				1ª Cat	2ª Cat	3ª Cat	Mat.Brej.					
0+0.000 - 15+4.485	C1			304.33				0.05	-	A1	0+0.000 - 15+4.485	Compensação Lateral
4+0.000 - 4+5.000	C1			0.97				0.05	-	A1	3+10.000 - 3+15.000	Compensação Longitudinal
6+5.000 - 7+15.000	C1			8.33				0.05	-	A1	5+5.000 - 6+0.000	Compensação Longitudinal
			CxE	231.66				14.90	3451.73	A1	0+0.000 - 15+4.845	Empréstimo
<b>TOTAL</b>				<b>545.29</b>					<b>3451.73</b>			

## EIXO 09 (0+0.000 - 33+17.996)

Procedência do Material								Dist. de Transp. (Km)	Momento de Transp. (m <sup>3</sup> *Km)	Destino do Material		Observações
De estaca a estaca	Corte nº	Escav	Emprest	Volume (m <sup>3</sup> )						Aterro nº	Aterro entre Estacas	
				1ª Cat	2ª Cat	3ª Cat	Mat.Brej.					
0+0.000 - 3+10.000	C1			57.70				0.05	-	A1	0+0.000 - 3+10.000	Compensação Lateral
0+0.000 - 0+10.165	C1			8.38				0.05	-	A1	0+15.000 - 1+5.000	Compensação Longitudinal
4+15.000 - 15+15.000	C2			241.15				0.05	-	A1	4+15.000 - 15+15.000	Compensação Lateral
10+5.000 - 11+0.000	C2			1.92				0.05	-	A1	9+10.000 - 10+3.687	Compensação Longitudinal
13+0.000 - 13+5.000	C2			0.85				0.50	-	A1	12+10.000 - 12+15.000	Compensação Longitudinal
16+10.000 - 27+10.00	C3			169.08				0.05	-	A1	16+10.000 - 27+10.00	Compensação Lateral
27+14.018 - 27+15.000	C4			0.01				0.05	-	A1	27+14.018 - 27+15.000	Compensação Lateral
			CxE	1171.80				14.90	17459.82	A1	0+0.000 - 33+17.996	Empréstimo
<b>TOTAL</b>				<b>1650.89</b>					<b>17459.82</b>			

## EIXO 10 (0+0.000 - 10+11.823)

Procedência do Material								Dist. de Transp. (Km)	Momento de Transp. (m <sup>3</sup> *Km)	Destino do Material		Observações
De estaca a estaca	Corte nº	Escav	Emprest	Volume (m <sup>3</sup> )						Aterro nº	Aterro entre Estacas	
				1ª Cat	2ª Cat	3ª Cat	Mat.Brej.					
1+0.000 - 10+11.823	C1			142.91				0.05	-	A1	1+0.000 - 10+11.823	Compensação Lateral
			CxE	299.91				14.90	4468.66	A1	-	Empréstimo
<b>TOTAL</b>				<b>442.82</b>					<b>4468.66</b>			

## EIXO 11 (0+0.000 - 48+3.763)

Procedência do Material								Dist. de Transp. (Km)	Momento de Transp. (m <sup>3</sup> *Km)	Destino do Material		Observações
De estaca a estaca	Corte nº	Escav	Emprest	Volume (m <sup>3</sup> )						Aterro nº	Aterro entre Estacas	
				1ª Cat	2ª Cat	3ª Cat	Mat.Brej.					
0+0.000 - 48+3.763	C1			1264.58				0.05	-	A1	0+0.000 - 0+5.000	Compensação Lateral
11+0.000 - 14+0.000	C1			90.42				0.40	-	A1	3+0.000 - 10+17.781	Compensação Longitudinal
15+0.000 - 15+10.000	C1			6.92				0.50	-	A1	16+0.000 - 17+0.000	Compensação Longitudinal
15+0.000 - 15+10.000	C1			10.31				0.40	-	A1	24+10.000 - 26+15.830	Compensação Longitudinal
17+10.000 - 20+10.000	C1			30.07				0.40	-	A1	27+0.000 - 29+0.000	Compensação Longitudinal
21+10.000 - 24+0.000	C1			26.60				0.20	-	A1	29+10.000 - 31+0.000	Compensação Longitudinal
37.10.000 - 42.0.000	C1			39.78				0.20	-	A1	33+10.000 - 37+5.000	Compensação Longitudinal
			CxE	204.49				14.90	3046.90	A1	0+0.000 - 92+5.002	Empréstimo
<b>TOTAL</b>				<b>1673.17</b>					<b>3046.90</b>			

## EIXO 12 (0+0.000 - 22+7.444)

Procedência do Material								Dist. de Transp. (Km)	Momento de Transp. (m <sup>3</sup> *Km)	Destino do Material		Observações
De estaca a estaca	Corte nº	Escav	Emprest	Volume (m <sup>3</sup> )						Aterro nº	Aterro entre Estacas	
				1ª Cat	2ª Cat	3ª Cat	Mat.Brej.					
0+12.069 - 30+19.547	C1			545.25				0.05	-	A1	0+12.069 - 30+19.547	Compensação Lateral
21+15.183 - 22+7.444	C1			7.08				0.05	-	A1	21+0.000 - 21+15.000	Compensação Longitudinal
			CxE	539.44				14.90	8037.66	A1	0+0.000 - 15+4.845	Empréstimo
<b>TOTAL</b>				<b>1091.77</b>					<b>8037.66</b>			

## EIXO 13 (0+0.000 - 29+4.398)

Procedência do Material								Dist. de Transp. (Km)	Momento de Transp. (m <sup>3</sup> *Km)	Destino do Material		Observações
De estaca a estaca	Corte nº	Escav	Emprest	Volume (m <sup>3</sup> )						Aterro nº	Aterro entre Estacas	
				1ª Cat	2ª Cat	3ª Cat	Mat.Brej.					
0+0.000 - 27+15.000	C1			618.22				0.05	-	A1	0+0.000 - 27+15.000	Compensação Lateral
7+10.000 - 8+0.000	C1			0.53				0.05	-	A1	6+10.000 - 7+0.000	Compensação Longitudinal
11+10.000 - 12+10.000	C1			8.97				0.20	-	A1	9+10.000 - 11+0.000	Compensação Longitudinal
15+10.000 - 16+0.000	C1			1.35				0.05	-	A1	14+10.000 - 15+0.000	Compensação Longitudinal
21+10.000 - 22+0.000	C1			1.70				0.05	-	A1	20+10.000 - 21+0.000	Compensação Longitudinal
24+10.000 - 26+10.000	C1			43.78				0.20	-	A1	22+0.000 - 24+0.000	Compensação Longitudinal
24+10.000 - 26+10.000	C1			11.96				0.20	-	A1	26+15.000 - 27+5.000	Compensação Longitudinal
28+15.000 - 29+4.398	C2			3.34				0.05	-	A1	28+15.000 - 29+4.398	Compensação Lateral
			CxE	432.94				14.90	6450.81	A1	0+0.000 - 92+5.002	Empréstimo
<b>TOTAL</b>				<b>1122.79</b>					<b>6450.81</b>			

## EIXO 14 (0+0.000 - 63+3.564)

Procedência do Material								Dist. de Transp. (Km)	Momento de Transp. (m <sup>3</sup> *Km)	Destino do Material		Observações
De estaca a estaca	Corte nº	Escav	Emprest	Volume (m <sup>3</sup> )						Aterro nº	Aterro entre Estacas	
				1ª Cat	2ª Cat	3ª Cat	Mat.Brej.					
0+0.000 - 0+7.389	C1			0.77				0.05	-	A1	0+0.000 - 0+7.389	Compensação Lateral
3+0.935 - 27+5.000	C2			550.71				0.05	-	A1	3+0.935 - 27+5.000	Compensação Lateral
11+10.000 - 11+15.000	C2			0.26				0.05	-	A1	11+5.000 - 11+5.024	Compensação Longitudinal
15+10.000 - 16+0.000	C2			3.08				0.05	-	A1	15+0.000 - 15+5.000	Compensação Longitudinal
19+5.000 - 20+15.000	C2			9.52				0.05	-	A1	18+10.682 - 19+0.000	Compensação Longitudinal
24+10.000 - 25+5.000	C2			3.37				0.05	-	A1	23+15.000 - 24+5.000	Compensação Longitudinal
28+0.000 - 63+3.564	C3			777.00				0.05	-	A1	28+0.000 - 63+3.564	Compensação Lateral
28+7.460 - 29+7.283	C3			27.80				0.05	-	A1	27+13.139 - 28+3.769	Compensação Longitudinal
35+10.000 - 40+0.000	C3			82.27				0.40	-	A1	29+10.000 - 35+0.000	Compensação Longitudinal
35+10.000 - 40+0.000	C3			35.01				0.20	-	A1	40+5.000 - 43+0.000	Compensação Longitudinal
62+0.000 - 62+3.839	C3			0.08				0.05	-	A1	61+0.000 - 61+10.000	Compensação Longitudinal
			CxE	934.14				14.90	13918.69	A1	0+0.000 - 92+5.002	Empréstimo
<b>TOTAL</b>				<b>2424.01</b>					<b>13918.69</b>			



## 12.4. Anexo IV – Estacionamento

### 12.4.1. Notas de Serviços de Terraplenagem

#### EIXO ESTACIONAMENTO (0+0.000 - 8+1.204)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-13.40	1205.44	-12.50	1204.54	2.00	0+0.000			1204.29	1205.15	0.00	9.50	1204.10	-2.00	10.32	1204.92
-5.43	1205.33	-4.50	1204.40	2.00	0+5.000	PC		1204.31	1205.21	-0.04	4.50	1204.22	-2.00	5.35	1205.07
-5.42	1205.34	-4.50	1204.43	2.00	0+10.000			1204.34	1205.23	-0.04	4.50	1204.25	-2.00	5.37	1205.11
-5.41	1205.34	-4.50	1204.43	2.00	0+11.676			1204.34	1205.25	-0.05	4.50	1204.25	-2.00	5.41	1205.16
-5.40	1205.35	-4.50	1204.45	2.00	0+15.000			1204.36	1205.26	-0.04	4.50	1204.27	-2.00	5.46	1205.23
-5.39	1205.36	-4.50	1204.47	2.00	0+18.352	PT		1204.38	1205.30	-0.06	4.50	1204.29	-2.00	5.52	1205.31
-5.40	1205.38	-4.50	1204.48	2.00	1+0.000		PCV	1204.39	1205.32	-0.07	9.50	1204.20	-2.00	10.63	1205.33
-10.46	1205.63	-9.50	1204.68	2.00	1+10.000		PTV	1204.49	1205.53	-0.19	9.50	1204.30	-2.00	10.72	1205.52
-10.48	1205.87	-9.50	1204.89	2.00	2+0.000			1204.70	1205.76	-0.20	9.50	1204.51	-2.00	10.70	1205.71
-5.51	1206.02	-4.50	1205.01	2.00	2+10.000			1204.92	1206.00	-0.22	4.50	1204.83	-2.00	5.67	1206.00
-10.52	1206.34	-9.50	1205.32	2.00	3+0.000			1205.13	1206.22	-0.23	7.00	1204.99	-2.00	8.21	1206.21
-10.51	1206.55	-9.50	1205.54	2.00	3+10.000			1205.35	1206.42	-0.21	9.50	1205.16	-2.00	10.75	1206.40
-10.53	1206.79	-9.50	1205.76	2.00	4+0.000			1205.57	1206.63	-0.21	9.50	1205.38	-2.00	10.73	1206.60
-10.50	1206.98	-9.50	1205.97	2.00	4+10.000			1205.78	1206.84	-0.20	9.50	1205.59	-2.00	10.73	1206.82
-10.42	1207.10	-9.50	1206.19	2.00	5+0.000			1206.00	1207.05	-0.19	9.50	1205.81	-2.00	10.71	1207.02
-10.45	1207.36	-9.50	1206.40	2.00	5+10.000			1206.21	1206.94	0.13	9.50	1206.02	-2.00	10.38	1206.90
-10.37	1207.49	-9.50	1206.62	2.00	6+0.000			1206.43	1206.51	0.79	9.50	1206.24	-2.00	10.03	1206.77

## EIXO ESTACIONAMENTO (0+0.000 - 8+1.204)

LADO ESQUERDO					EIXO						LADO DIREITO				
OFFSET		BORDO DE TERRAPLENAGEM			ESTACA	PNH	PNV	COTA TERRAPLENAGEM	COTA TERRENO	COTA VERMELHA	BORDO DE TERRAPLENAGEM			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-10.42	1207.76	-9.50	1206.84	2.00	6+10.000			1206.65	1206.99	0.51	9.50	1206.46	-2.00	10.24	1207.19
-5.53	1207.98	-4.50	1206.95	2.00	7+0.000			1206.86	1207.72	0.01	9.50	1206.67	-2.00	10.38	1207.56
-5.56	1208.07	-4.50	1207.01	2.00	7+2.852	PC		1206.92	1207.78	0.01	9.50	1206.73	-2.00	10.38	1207.61
-5.54	1208.09	-4.50	1207.06	2.00	7+5.000			1206.97	1207.85	-0.02	4.50	1206.88	-2.00	5.37	1207.75
-5.50	1208.16	-4.50	1207.16	2.00	7+9.528			1207.07	1208.08	-0.16	4.50	1206.98	-2.00	5.51	1207.99
-5.50	1208.16	-4.50	1207.17	2.00	7+10.000			1207.08	1208.10	-0.16	4.50	1206.99	-2.00	5.55	1208.04
-5.41	1208.19	-4.50	1207.28	2.00	7+15.000			1207.19	1208.25	-0.20	4.50	1207.10	-2.00	5.72	1208.31
-5.39	1208.19	-4.50	1207.30	2.00	7+16.204	PT		1207.21	1208.25	-0.18	4.50	1207.12	-2.00	5.69	1208.31
-7.04	1208.06	-6.40	1207.42	2.00	8+0.000			1207.29	1208.21	-0.06	6.40	1207.17	-2.00	7.58	1208.35
-9.95	1207.96	-9.50	1207.51	2.00	8+1.204			1207.32	1208.18	0.00	9.50	1207.13	-2.00	10.81	1208.45

## 12.4.1. Quadro de Ordenada de Massas

### EIXO ESTACIONAMENTO (0+0.000 - 8+1.000)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m <sup>2</sup> )		VOLUMES (m <sup>3</sup> )							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
0+0.000		10.45	12.67									0.00	0.00
	0.00			27.51	0.00	0.00	11.23	0.00	24.36	30.45	27.51		
0+5.000		6.79	4.87									0.00	-2.94
	2.50			20.17	0.00	0.00	8.75	0.00	24.36	30.45	20.17		
0+10.000		6.05	4.87									0.00	-13.22
	2.50			7.15	0.00	0.00	3.06	0.00	8.18	10.23	7.15		
0+11.676		6.12	4.87									0.00	-16.30
	0.84			29.92	0.00	0.00	12.32	0.00	32.50	40.62	29.92		
0+18.352		6.39	4.87									0.00	-27.00
	3.34			10.45	0.00	0.00	3.89	0.00	12.99	16.24	10.45		
1+0.000		11.01	7.87									0.00	-32.79
	0.82			102.73	0.00	0.00	33.88	0.00	108.72	135.90	102.73		
1+10.000		16.31	10.87									0.00	-65.96
	5.00			124.69	0.00	0.00	39.02	0.00	108.72	135.90	124.69		
2+0.000		16.43	10.87									0.00	-77.17
	5.00			91.99	0.00	0.00	29.04	0.00	48.72	60.90	60.90		
2+10.000		7.77	4.87									0.00	-46.08
	5.00			84.48	0.00	0.00	26.58	0.00	93.72	117.15	84.48		
3+0.000		14.44	9.37									0.00	-78.75
	5.00			119.44	0.00	0.00	36.64	0.00	108.72	135.90	119.44		

## EIXO ESTACIONAMENTO (0+0.000 - 8+1.000)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+)	(-)
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
3+10.000		16.77	10.87									0.00	-95.21
	5.00			127.72	0.00	0.00	39.15	0.00	108.72	135.90	127.72		
4+0.000		16.60	10.87									0.00	-103.39
	5.00			125.86	0.00	0.00	39.13	0.00	108.72	135.90	125.86		
4+10.000		16.40	10.87									0.00	-113.43
	5.00			123.36	0.00	0.00	39.02	0.00	108.72	135.90	123.36		
5+0.000		16.08	10.87									0.00	-125.97
	5.00			95.46	0.00	0.00	38.60	0.00	108.72	135.90	95.46		
5+10.000		10.73	10.87									0.00	-166.41
	5.00			37.93	0.00	0.00	37.82	25.23	108.72	167.44	37.93		
6+0.000		4.42	15.92									0.00	-295.92
	5.00			20.84	0.00	0.00	37.69	26.73	108.72	169.31	20.84		
6+10.000		7.29	11.17									0.00	-444.39
	5.00			49.85	0.00	0.00	33.21	1.50	78.72	100.28	49.85		
7+0.000		9.32	7.87									0.00	-494.81
	5.00			18.50	0.00	0.00	8.12	0.00	22.44	28.04	18.50		
7+2.852		9.34	7.87									0.00	-504.36
	1.43			45.09	0.00	0.00	18.47	0.00	32.54	40.68	40.68		
7+9.528		7.11	4.87									0.00	-499.95
	3.34			2.52	0.00	0.00	0.89	0.00	2.29	2.86	2.52		
7+10.000		7.22	4.87									0.00	-500.29
	0.23			33.25	0.00	0.00	11.37	0.00	30.21	37.76	33.25		

## EIXO ESTACIONAMENTO (0+0.000 - 8+1.000)

ESTACA	DISTÂNCIA MÉDIA (m)	ÁREAS (m²)		VOLUMES (m³)							ORDENADA DE MASSAS		
		CORTE	ATERRO	CORTE				ATERRO		ATERRO EMPOLADO	COMP. LATERAL	(+) (-)	
				1ª Cat.	2ª Cat.	3ª Cat.	CAMADA VEGETAL	100% PN	100% PI				
7+16.204		8.09	4.87									0.00	-504.80
	3.10			23.19	0.00	0.00	8.72	0.00	27.19	33.98	23.19		
8+0.000		8.73	7.15									0.00	-515.59
	1.90			6.81	0.00	0.00	2.89	0.00	10.87	13.59	6.81		
8+1.000		10.67	10.87									0.00	-522.37
<b>TOTAL</b>				<b>1328.91</b>	<b>0.00</b>	<b>0.00</b>	<b>519.49</b>	<b>53.46</b>	<b>1427.57</b>	<b>1851.28</b>	<b>1293.41</b>		

### 12.4.1. Quadro de Orientação

## EIXO ESTACIONAMENTO (0+0.000 - 8+1.000)

Procedência do Material								Dist. de Transp. (Km)	Momento de Transp. (m³*Km)	Destino do Material		Observações
De estaca a estaca	Corte nº	Escav	Emprest	Volume (m³)						Aterro nº	Aterro entre Estacas	
				1ª Cat	2ª Cat	3ª Cat	Mat.Brej.					
0+12.069 - 8+1.000	C1			1293.41				0.05	-	A1	0+12.069 - 8+1.000	Compensação Lateral
1+10.000 - 2+0.000	C1			31.09				0.05	-	A1	1+0.000 - 1+10.000	Compensação Longitudinal
7+0.000 - 7+2.852	C1			4.41				0.05			6+10.000 - 7+0.000	Compensação Longitudinal
			CxE	522.37				14.90	7783.33	A1	0+0.000 - 8+1.000	Empréstimo
<b>TOTAL</b>				<b>1851.28</b>					<b>7783.33</b>			



### **13.Encerramento**

O presente produto é composto 244 (duzentos e quarenta e quatro) páginas incluindo esta, a Capa, Contracapa e os Sumários.



**Adelcke Rossetto Filho**

Engenheiro Civil

A ROSSETTO

# **A ROSSETTO**

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