

Governo do Distrito Federal

DEPARTAMENTO DE ESTRADAS DE RODAGEM
DO DISTRITO FEDERAL

Rodovia: DF - 220

Trecho: Km 0 ao Km 15,9

PROJETO DE ENGENHARIA RODOVIÁRIA

VOLUME 3B – NOTAS DE SERVIÇO E CÁLCULO DE VOLUMES

1 – APRESENTAÇÃO.....	01
2 – Mapa de Localização.....	03
3 – NOTAS DE SERVIÇO	05
3.1 – Nota de Serviço de Terraplenagem	06
3.1.1 – DF-220.....	07
3.1.2 – Disp.Km 0 (Etronc. DF-180/DF-220).....	32
3.1.3 – Disp.Km 5 (Etronc. DF-220/Estrada Municipal)	39
3.1.4 – Acesso Km 7.....	46
3.1.5 – Disp.Km 16 (Etronc. DF-220/DF-001).....	51
3.2 - Nota de Serviço da Camada Acabada.....	57
3.2.1 – DF-220.....	58
3.2.2 – Disp.Km 0 (Etronc. DF-180/DF-220).....	86
3.2.3 – Disp.Km 5 (Etronc. DF-220/Estrada Municipal)	93
3.2.4 – Acesso Km 7.....	100
3.2.5 – Disp.Km 16 (Etronc. DF-220/DF-001).....	105
4 – VOLUME POR CATEGORIA.....	111
4.1 – DF-220.....	112
4.2 – Disp.Km 0 (Etronc. DF-180/DF-220).....	124
4.3 – Disp.Km 5 (Etronc. DF-220/Estrada Municipal)	130
4.4 – Acesso Km 7.....	136
4.5 – Disp.Km 16 (Etronc. DF-220/DF-001).....	141

1. Introdução

O presente *Volume 3B – Notas de Serviço e Cálculo de Volumes*, é parte integrante do Projeto Final de Engenharia e está sendo apresentado em conformidade com as instruções particulares do edital.

2. Informações Referentes à constituição do Projeto

A Elaboração do projeto é composto dos seguintes volumes:

- Volume 1: Relatório do Projeto, apresentado em formato A4.

O presente volume apresenta uma visão geral do projeto, sua concepção, conclusões finais e indicações de normas a serem seguidas para a implantação das obras e serviços.

- Volume 2: Projeto de Execução, apresentado em forma de desenhos e planilhas no formato A1.

Volume que apresenta desenhos em planta e perfil contemplando todos os elementos geométricos horizontais e verticais, projeto de drenagem superficial e de talvegue, sinalização horizontal e vertical e demais itens de interesse do projeto.

- Volume 3 : Memória Justificativa em formato A4

Volume que apresenta justificativa das soluções revistas e/ou alteradas, enfocando aspectos técnicos baseados na classe da rodovia.

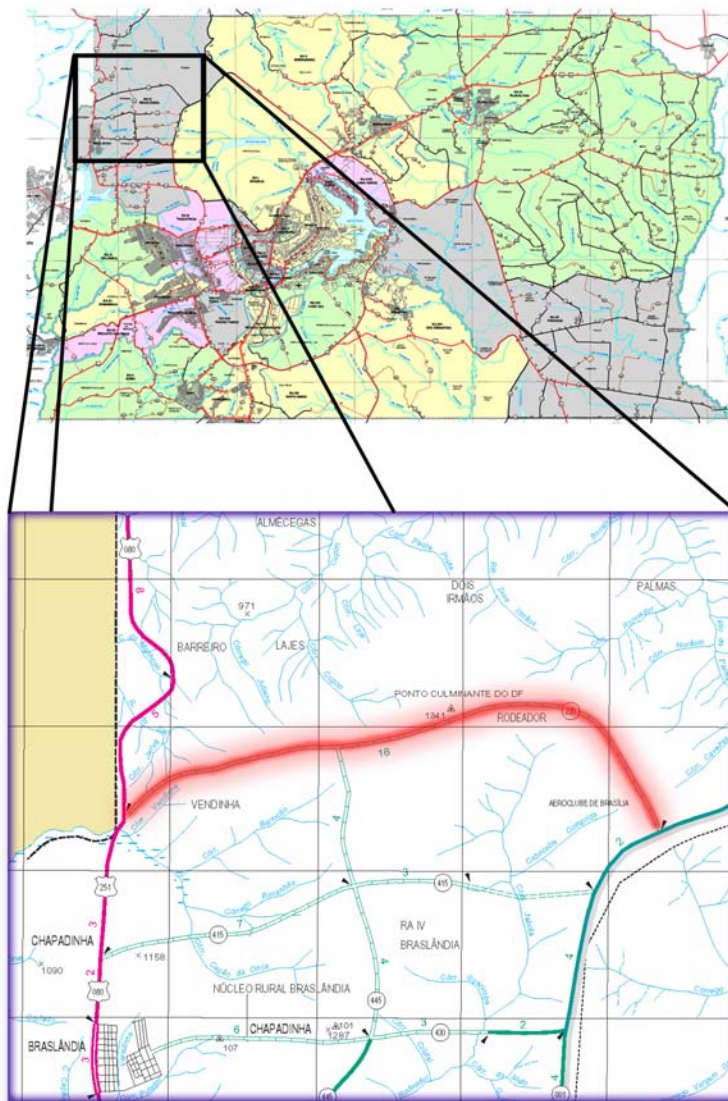
- Anexo 3A: Estudos Geotécnicos

O anexo de Estudos Geotécnicos contém os boletins de sondagens, ensaios de materiais coletados, os quadros resumo dos ensaios de sub-leito e jazidas..

- Anexo 3B – Nota de Serviço e Cálculo de Volumes

Este volume apresenta as notas de serviço descritivas do pavimento acabado e de sub-leito apresentados em formato A4 com seções desenhadas e descritivas respectivamente, com os quantitativos de volumes de corte e aterro.

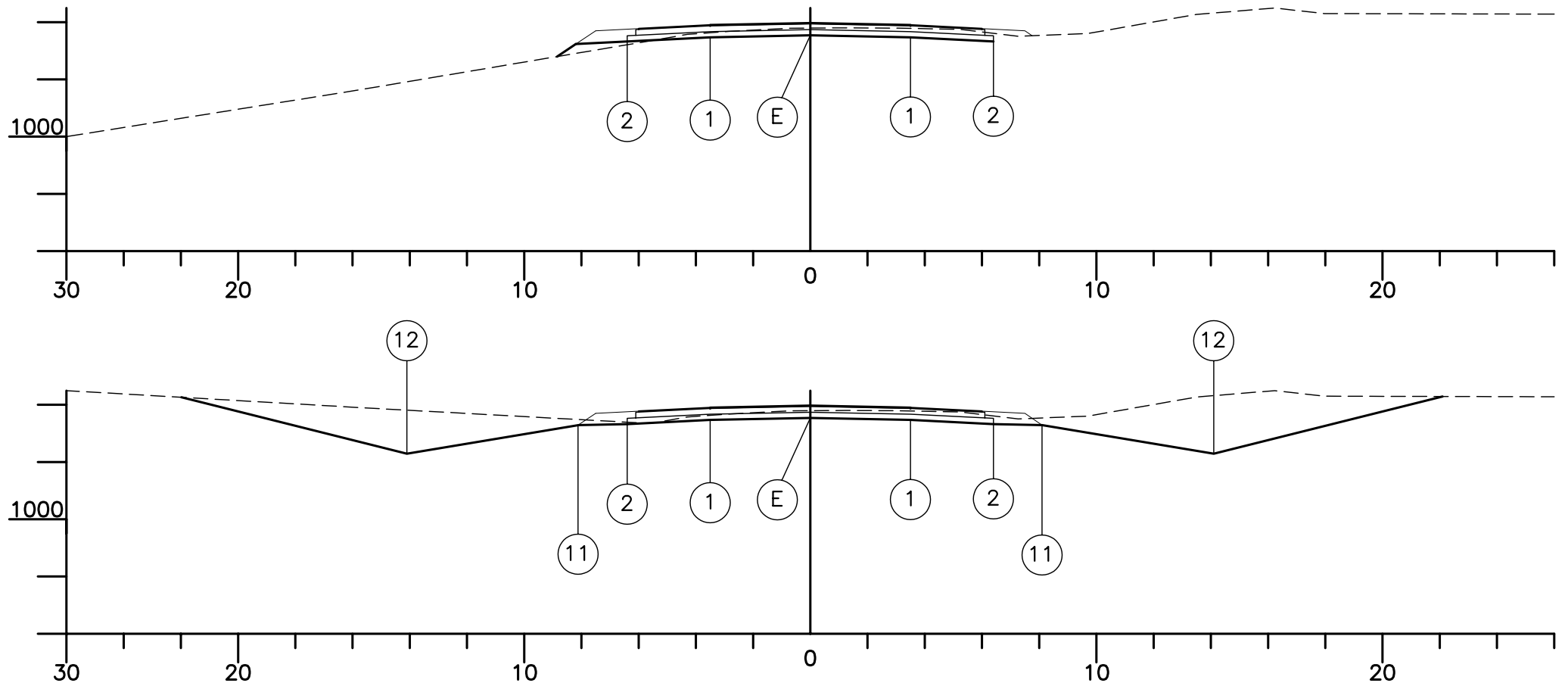
2 – MAPA DE LOCALIZAÇÃO



3.1 – NOTAS DE SERVIÇO DE TERRAPLENAGEM

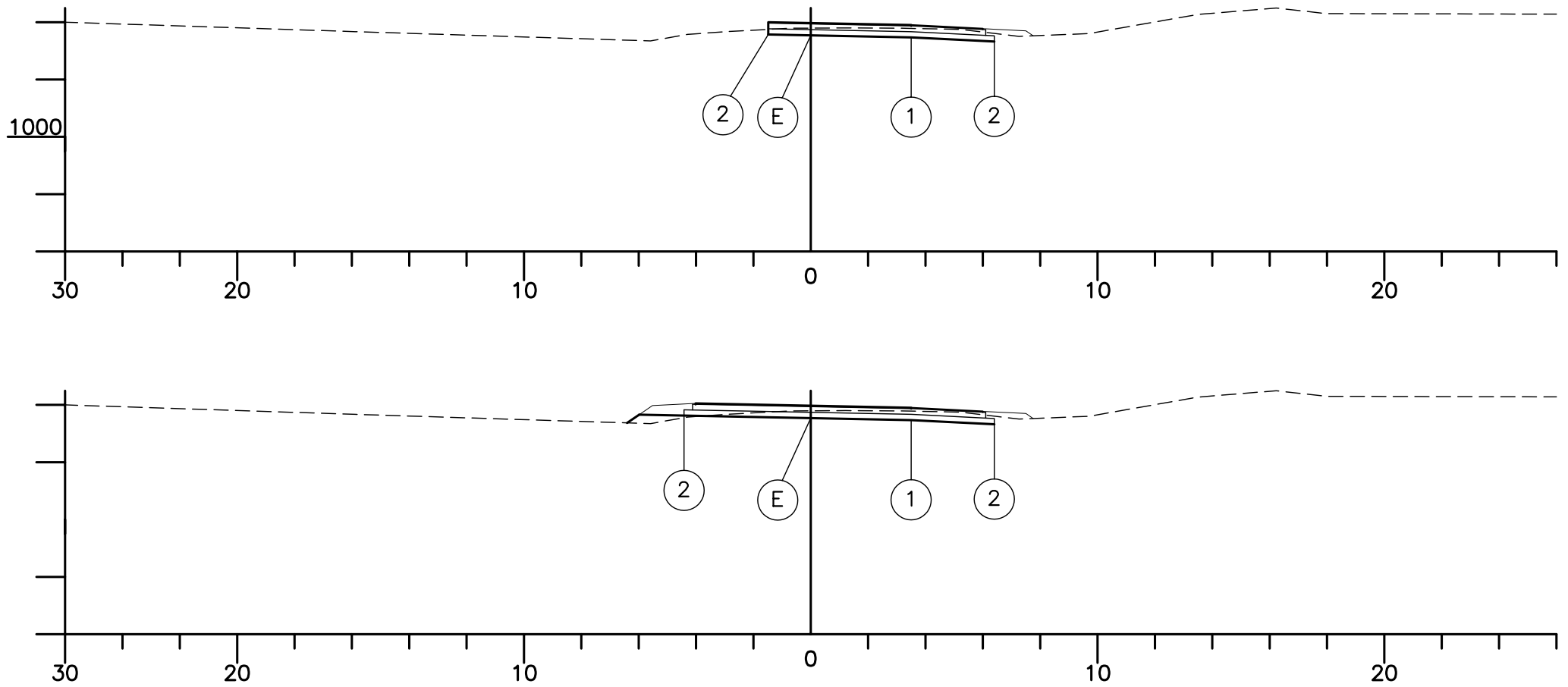


RODOVIA: DF-120
TRECHO: km 0 ao Km 11,3
SEÇÕES TÍPICAS - TERRAPLENAGEM





RODOVIA: DF-120
TRECHO: km 0 ao Km 11,3
SEÇÕES TÍPICAS - TERRAPLENAGEM





RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
0+144,858					-6,4000	1.127,193	-3,5000	1.127,338	1.127,894	1.127,408	0,486	3,5000	1.127,338	6,4000	1.127,193				
0+160,000					-6,4000	1.127,708	-3,5000	1.127,853	1.128,505	1.127,923	0,582	3,5000	1.127,853	6,4000	1.127,708				
0+180,000					-6,4000	1.128,387	-3,5000	1.128,532	1.128,990	1.128,602	0,388	3,5000	1.128,532	6,4000	1.128,387				
0+200,000					-6,4000	1.129,067	-3,5000	1.129,212	1.129,543	1.129,282	0,261	3,5000	1.129,212	6,4000	1.129,067				
0+220,000					-6,4000	1.129,774	-3,5000	1.129,919	1.130,325	1.129,989	0,336	3,5000	1.129,919	6,4000	1.129,774				
0+240,000					-6,4000	1.130,537	-3,5000	1.130,682	1.131,072	1.130,752	0,320	3,5000	1.130,682	6,4000	1.130,537				
0+243,697					-6,4000	1.130,684	-3,5000	1.130,829	1.131,203	1.130,899	0,304	3,5000	1.130,829	6,4000	1.130,684				
0+260,000					-6,4000	1.131,355	-3,5000	1.131,500	1.131,841	1.131,570	0,271	3,5000	1.131,541	6,4000	1.131,396				
0+271,283					-6,4000	1.131,841	-3,5000	1.131,986	1.132,294	1.132,056	0,238	3,5000	1.132,056	6,4000	1.131,911				
0+280,000					-6,4000	1.132,228	-3,5000	1.132,373	1.132,626	1.132,443	0,183	3,5000	1.132,465	6,4000	1.132,320				
0+284,249					-6,4000	1.132,419	-3,5000	1.132,564	1.132,794	1.132,634	0,160	3,5000	1.132,667	6,4000	1.132,522				
0+298,870					-6,4000	1.133,078	-3,5000	1.133,223	1.133,381	1.133,293	0,088	3,5000	1.133,363	6,4000	1.133,218				
0+300,000					-6,4000	1.133,126	-3,5000	1.133,271	1.133,429	1.133,344	0,085	3,5000	1.133,417	6,4000	1.133,271				
0+311,283					-6,4000	1.133,605	-3,5000	1.133,750	1.133,976	1.133,852	0,125	3,5000	1.133,953	6,4000	1.133,837				
0+320,000					-6,4000	1.133,998	-3,5000	1.134,143	1.134,426	1.134,245	0,182	3,5000	1.134,346	6,4000	1.134,230				
0+340,000					-6,4000	1.134,856	-3,5000	1.135,001	1.135,344	1.135,103	0,242	3,5000	1.135,204	6,4000	1.135,088				
0+360,000					-6,4000	1.135,629	-3,5000	1.135,774	1.136,175	1.135,876	0,300	3,5000	1.135,977	6,4000	1.135,861				
0+380,000					-6,4000	1.136,317	-3,5000	1.136,462	1.136,796	1.136,564	0,233	3,5000	1.136,665	6,4000	1.136,549				
0+400,000					-6,4000	1.136,920	-3,5000	1.137,065	1.137,337	1.137,167	0,171	3,5000	1.137,268	6,4000	1.137,152				
0+420,000					-6,4000	1.137,480	-3,5000	1.137,625	1.137,882	1.137,727	0,156	3,5000	1.137,828	6,4000	1.137,712				
0+440,000					-6,4000	1.138,041	-3,5000	1.138,186	1.138,458	1.138,288	0,171	3,5000	1.138,389	6,4000	1.138,273				
0+460,000					-6,4000	1.138,601	-3,5000	1.138,746	1.139,015	1.138,848	0,168	3,5000	1.138,949	6,4000	1.138,833				
0+480,000					-6,4000	1.139,161	-3,5000	1.139,306	1.139,540	1.139,408	0,133	3,5000	1.139,509	6,4000	1.139,393				
0+500,000					-6,4000	1.139,722	-3,5000	1.139,867	1.140,101	1.139,969	0,133	3,5000	1.140,070	6,4000	1.139,954				
0+520,000					-6,4000	1.140,282	-3,5000	1.140,427	1.140,665	1.140,529	0,137	3,5000	1.140,630	6,4000	1.140,514				
0+540,000					-6,4000	1.140,898	-3,5000	1.141,043	1.141,226	1.141,145	0,082	3,5000	1.141,246	6,4000	1.141,130				
0+560,000					-6,4000	1.141,626	-3,5000	1.141,771	1.141,953	1.141,873	0,081	3,5000	1.141,974	6,4000	1.141,858				
0+580,000					-6,4000	1.142,466	-3,5000	1.142,611	1.142,717	1.142,713	0,005	3,5000	1.142,814	6,4000	1.142,698				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
0+600,000					-6,4000	1.143,417	-3,5000	1.143,562	1.143,627	1.143,664	-0,037	3,5000	1.143,765	6,4000	1.143,649				
0+620,000					-6,4000	1.144,480	-3,5000	1.144,625	1.144,736	1.144,727	0,010	3,5000	1.144,828	6,4000	1.144,712				
0+640,000					-6,4000	1.145,654	-3,5000	1.145,800	1.145,905	1.145,902	0,004	3,5000	1.146,003	6,4000	1.145,887				
0+660,000					-6,4000	1.146,885	-3,5000	1.147,030	1.147,148	1.147,132	0,017	3,5000	1.147,233	6,4000	1.147,117				
0+680,000					-6,4000	1.148,115	-3,5000	1.148,260	1.148,475	1.148,362	0,115	3,5000	1.148,463	6,4000	1.148,348				
0+700,000					-6,4000	1.149,280	-3,5000	1.149,425	1.149,722	1.149,527	0,196	3,5000	1.149,628	6,4000	1.149,512				
0+706,846					-6,4000	1.149,649	-3,5000	1.149,794	1.150,133	1.149,896	0,238	3,5000	1.149,997	6,4000	1.149,881				
0+719,259					-6,4000	1.150,310	-3,5000	1.150,455	1.150,837	1.150,525	0,312	3,5000	1.150,595	6,4000	1.150,450				
0+720,000					-6,4000	1.150,346	-3,5000	1.150,491	1.150,879	1.150,561	0,318	3,5000	1.150,629	6,4000	1.150,484				
0+733,880					-6,4000	1.150,987	-3,5000	1.151,132	1.151,565	1.151,202	0,363	3,5000	1.151,235	6,4000	1.151,090				
0+740,000					-6,4000	1.151,249	-3,5000	1.151,394	1.151,781	1.151,464	0,317	3,5000	1.151,482	6,4000	1.151,337				
0+746,846					-6,4000	1.151,528	-3,5000	1.151,673	1.152,023	1.151,743	0,280	3,5000	1.151,743	6,4000	1.151,598				
0+760,000					-6,4000	1.152,022	-3,5000	1.152,167	1.152,480	1.152,237	0,243	3,5000	1.152,203	6,4000	1.152,058				
0+774,432					-6,4000	1.152,498	-3,5000	1.152,643	1.152,961	1.152,713	0,248	3,5000	1.152,643	6,4000	1.152,497				
0+780,000					-6,4000	1.152,663	-3,5000	1.152,808	1.153,135	1.152,878	0,257	3,5000	1.152,808	6,4000	1.152,663				
0+800,000					-6,4000	1.153,173	-3,5000	1.153,318	1.153,596	1.153,388	0,208	3,5000	1.153,318	6,4000	1.153,173				
0+820,000					-6,4000	1.153,618	-3,5000	1.153,763	1.154,012	1.153,833	0,179	3,5000	1.153,763	6,4000	1.153,618				
0+840,000					-6,4000	1.154,063	-3,5000	1.154,208	1.154,428	1.154,278	0,150	3,5000	1.154,208	6,4000	1.154,063				
0+860,000					-6,4000	1.154,589	-3,5000	1.154,734	1.154,853	1.154,804	0,049	3,5000	1.154,734	6,4000	1.154,589				
0+880,000					-6,4000	1.155,276	-3,5000	1.155,421	1.155,551	1.155,491	0,060	3,5000	1.155,421	6,4000	1.155,276				
0+900,000					-6,4000	1.156,125	-3,5000	1.156,270	1.156,384	1.156,340	0,044	3,5000	1.156,270	6,4000	1.156,125				
0+920,000					-6,4000	1.157,135	-3,5000	1.157,280	1.157,434	1.157,350	0,084	3,5000	1.157,280	6,4000	1.157,135				
0+940,000					-6,4000	1.158,306	-3,5000	1.158,451	1.158,697	1.158,521	0,176	3,5000	1.158,451	6,4000	1.158,306				
0+960,000					-6,4000	1.159,559	-3,5000	1.159,704	1.160,047	1.159,774	0,273	3,5000	1.159,704	6,4000	1.159,559				
0+980,000					-6,4000	1.160,811	-3,5000	1.160,956	1.161,304	1.161,026	0,278	3,5000	1.160,956	6,4000	1.160,811				
1					-6,4000	1.162,063	-3,5000	1.162,208	1.162,511	1.162,278	0,233	3,5000	1.162,208	6,4000	1.162,063				
1+20,000					-6,4000	1.163,252	-3,5000	1.163,397	1.163,746	1.163,467	0,279	3,5000	1.163,397	6,4000	1.163,252				
1+40,000					-6,4000	1.164,314	-3,5000	1.164,459	1.164,926	1.164,529	0,397	3,5000	1.164,459	6,4000	1.164,314				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
1+60,000					-6,4000	1.165,249	-3,5000	1.165,394	1.166,054	1.165,464	0,590	3,5000	1.165,394	6,4000	1.165,249				
1+80,000					-6,4000	1.166,058	-3,5000	1.166,203	1.167,031	1.166,273	0,758	3,5000	1.166,203	6,4000	1.166,058				
1+100,000					-6,4000	1.166,739	-3,5000	1.166,885	1.167,868	1.166,955	0,913	3,5000	1.166,885	6,4000	1.166,739				
1+120,000					-6,4000	1.167,295	-3,5000	1.167,440	1.168,592	1.167,510	1,082	3,5000	1.167,440	6,4000	1.167,295				
1+140,000					-6,4000	1.167,723	-3,5000	1.167,868	1.168,936	1.167,938	0,998	3,5000	1.167,868	6,4000	1.167,723				
1+160,000					-6,4000	1.168,025	-3,5000	1.168,170	1.169,201	1.168,240	0,961	3,5000	1.168,170	6,4000	1.168,025				
1+180,000					-6,4000	1.168,199	-3,5000	1.168,344	1.169,294	1.168,414	0,880	3,5000	1.168,344	6,4000	1.168,199				
1+200,000					-6,4000	1.168,247	-3,5000	1.168,393	1.169,173	1.168,463	0,710	3,5000	1.168,393	6,4000	1.168,247				
1+220,000					-6,4000	1.168,169	-3,5000	1.168,314	1.168,763	1.168,384	0,379	3,5000	1.168,314	6,4000	1.168,169				
1+240,000					-6,4000	1.167,963	-3,5000	1.168,109	1.168,374	1.168,179	0,195	3,5000	1.168,109	6,4000	1.167,963				
1+260,000					-6,4000	1.167,773	-3,5000	1.167,918	1.168,070	1.167,988	0,082	3,5000	1.167,918	6,4000	1.167,773				
1+280,000					-6,4000	1.167,737	-3,5000	1.167,883	1.167,799	1.167,953	-0,154	3,5000	1.167,883	6,4000	1.167,737				
1+300,000					-6,4000	1.167,858	-3,5000	1.168,003	1.167,535	1.168,073	-0,538	3,5000	1.168,003	6,4000	1.167,858				
1+320,000					-6,4000	1.168,134	-3,5000	1.168,279	1.167,324	1.168,349	-1,025	3,5000	1.168,279	6,4000	1.168,134				
1+340,000					-6,4000	1.168,566	-3,5000	1.168,711	1.167,299	1.168,781	-1,482	3,5000	1.168,711	6,4000	1.168,566				
1+360,000					-6,4000	1.169,154	-3,5000	1.169,299	1.167,481	1.169,369	-1,888	3,5000	1.169,299	6,4000	1.169,154				
1+380,000					-6,4000	1.169,898	-3,5000	1.170,043	1.168,254	1.170,113	-1,859	3,5000	1.170,043	6,4000	1.169,898				
1+400,000					-6,4000	1.170,797	-3,5000	1.170,942	1.169,524	1.171,012	-1,488	3,5000	1.170,942	6,4000	1.170,797				
1+420,000					-6,4000	1.171,852	-3,5000	1.171,997	1.171,077	1.172,067	-0,990	3,5000	1.171,997	6,4000	1.171,852				
1+440,000					-6,4000	1.173,063	-3,5000	1.173,208	1.172,815	1.173,278	-0,463	3,5000	1.173,208	6,4000	1.173,063				
1+460,000					-6,4000	1.174,429	-3,5000	1.174,574	1.174,628	1.174,644	-0,016	3,5000	1.174,574	6,4000	1.174,429				
1+480,000					-6,4000	1.175,951	-3,5000	1.176,096	1.176,458	1.176,166	0,292	3,5000	1.176,096	6,4000	1.175,951				
1+500,000					-6,4000	1.177,551	-3,5000	1.177,696	1.178,265	1.177,766	0,499	3,5000	1.177,696	6,4000	1.177,551				
1+520,000					-6,4000	1.179,151	-3,5000	1.179,296	1.180,072	1.179,366	0,706	3,5000	1.179,296	6,4000	1.179,151				
1+540,000					-6,4000	1.180,751	-3,5000	1.180,896	1.181,817	1.180,966	0,851	3,5000	1.180,896	6,4000	1.180,751				
1+560,000					-6,4000	1.182,301	-3,5000	1.182,446	1.183,289	1.182,516	0,773	3,5000	1.182,446	6,4000	1.182,301				
1+580,000					-6,4000	1.183,751	-3,5000	1.183,896	1.184,458	1.183,966	0,492	3,5000	1.183,896	6,4000	1.183,751				
1+600,000					-6,4000	1.185,101	-3,5000	1.185,246	1.185,530	1.185,316	0,214	3,5000	1.185,246	6,4000	1.185,101				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
1+620,000					-6,4000	1.186,351	-3,5000	1.186,496	1.186,595	1.186,566	0,029	3,5000	1.186,496	6,4000	1.186,351				
1+640,000					-6,4000	1.187,551	-3,5000	1.187,696	1.187,712	1.187,766	-0,054	3,5000	1.187,696	6,4000	1.187,551				
1+660,000					-6,4000	1.188,751	-3,5000	1.188,896	1.188,887	1.188,966	-0,079	3,5000	1.188,896	6,4000	1.188,751				
1+680,000					-6,4000	1.189,951	-3,5000	1.190,096	1.189,979	1.190,166	-0,187	3,5000	1.190,096	6,4000	1.189,951				
1+700,000					-6,4000	1.191,151	-3,5000	1.191,296	1.191,075	1.191,366	-0,291	3,5000	1.191,296	6,4000	1.191,151				
1+720,000					-6,4000	1.192,351	-3,5000	1.192,496	1.192,235	1.192,566	-0,331	3,5000	1.192,496	6,4000	1.192,351				
1+740,000					-6,4000	1.193,551	-3,5000	1.193,696	1.193,508	1.193,766	-0,258	3,5000	1.193,696	6,4000	1.193,551				
1+760,000					-6,4000	1.194,751	-3,5000	1.194,896	1.194,748	1.194,966	-0,218	3,5000	1.194,896	6,4000	1.194,751				
1+780,000					-6,4000	1.195,926	-3,5000	1.196,071	1.195,982	1.196,141	-0,159	3,5000	1.196,071	6,4000	1.195,926				
1+800,000					-6,4000	1.197,051	-3,5000	1.197,196	1.197,179	1.197,266	-0,087	3,5000	1.197,196	6,4000	1.197,051	8,1500	1.197,016	20,1500	1.195,016
1+820,000					-6,4000	1.198,126	-3,5000	1.198,271	1.198,298	1.198,341	-0,043	3,5000	1.198,271	6,4000	1.198,126	8,1500	1.198,091	20,1500	1.196,091
1+840,000					-6,4000	1.199,150	-3,5000	1.199,295	1.199,348	1.199,365	-0,017	3,5000	1.199,295	6,4000	1.199,150	8,1500	1.199,115	20,1500	1.197,115
1+860,000					-6,4000	1.200,125	-3,5000	1.200,270	1.200,346	1.200,340	0,006	3,5000	1.200,270	6,4000	1.200,125	8,1500	1.200,090	20,1500	1.198,090
1+880,000					-6,4000	1.201,050	-3,5000	1.201,195	1.201,276	1.201,265	0,011	3,5000	1.201,195	6,4000	1.201,049	8,1500	1.201,014	20,1500	1.199,014
1+900,000					-6,4000	1.201,924	-3,5000	1.202,069	1.202,163	1.202,139	0,024	3,5000	1.202,069	6,4000	1.201,924	8,1500	1.201,889	20,1500	1.199,889
1+920,000					-6,4000	1.202,748	-3,5000	1.202,893	1.202,911	1.202,963	-0,052	3,5000	1.202,893	6,4000	1.202,748	8,1500	1.202,713	20,1500	1.200,713
1+940,000					-6,4000	1.203,523	-3,5000	1.203,668	1.203,619	1.203,738	-0,119	3,5000	1.203,668	6,4000	1.203,523	8,1500	1.203,488	20,1500	1.201,488
1+960,000					-6,4000	1.204,247	-3,5000	1.204,392	1.204,336	1.204,462	-0,126	3,5000	1.204,392	6,4000	1.204,247	8,1500	1.204,212	20,1500	1.202,212
1+980,000					-6,4000	1.204,946	-3,5000	1.205,091	1.205,077	1.205,161	-0,084	3,5000	1.205,091	6,4000	1.204,946	8,1500	1.204,911	20,1500	1.202,911
2					-6,4000	1.205,645	-3,5000	1.205,790	1.205,782	1.205,860	-0,078	3,5000	1.205,790	6,4000	1.205,645	8,1500	1.205,610	20,1500	1.203,610
2+20,000					-6,4000	1.206,344	-3,5000	1.206,489	1.206,501	1.206,559	-0,058	3,5000	1.206,489	6,4000	1.206,344	8,1500	1.206,309	20,1500	1.204,309
2+33,644					-6,4000	1.206,821	-3,5000	1.206,966	1.207,013	1.207,036	-0,023	3,5000	1.206,966	6,4000	1.206,821	8,1500	1.206,786	20,1500	1.204,786
2+40,000					-6,4000	1.207,043	-3,5000	1.207,189	1.207,232	1.207,259	-0,027	3,5000	1.207,189	6,4000	1.207,043	8,1500	1.207,008	20,1500	1.205,008
2+60,000					-6,4000	1.207,743	-3,5000	1.207,888	1.207,912	1.207,958	-0,046	3,5000	1.207,888	6,4000	1.207,743	8,1500	1.207,708	20,1500	1.205,708
2+80,000					-6,4000	1.208,442	-3,5000	1.208,587	1.208,542	1.208,657	-0,115	3,5000	1.208,587	6,4000	1.208,442	8,1500	1.208,407	20,1500	1.206,407
2+100,000					-6,4000	1.209,141	-3,5000	1.209,286	1.209,265	1.209,356	-0,091	3,5000	1.209,286	6,4000	1.209,141	8,1500	1.209,106	20,1500	1.207,106
2+110,000					-6,4000	1.209,491	-3,5000	1.209,636	1.209,638	1.209,706	-0,068	3,5000	1.209,636	6,4000	1.209,491	8,1500	1.209,456	20,1500	1.207,456
2+120,000					-6,4000	1.209,839	-3,5000	1.209,984	1.210,009	1.210,054	-0,045	3,5000	1.209,984	6,4000	1.209,839	8,1500	1.209,804	20,1500	1.207,804



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
2+140,000					-6,4000	1.210,526	-3,5000	1.210,671	1.210,749	1.210,741	0,008	3,5000	1.210,671	6,4000	1.210,526	8,1500	1.210,491	20,1500	1.208,491
2+160,000					-6,4000	1.211,201	-3,5000	1.211,346	1.211,291	1.211,416	-0,125	3,5000	1.211,346	6,4000	1.211,201	8,1500	1.211,166	20,1500	1.209,166
2+180,000					-6,4000	1.211,865	-3,5000	1.212,010	1.211,908	1.212,080	-0,172	3,5000	1.212,010	6,4000	1.211,865	8,1500	1.211,830	20,1500	1.209,830
2+200,000					-6,4000	1.212,517	-3,5000	1.212,662	1.212,525	1.212,732	-0,207	3,5000	1.212,662	6,4000	1.212,517	8,1500	1.212,482	20,1500	1.210,482
2+220,000					-6,4000	1.213,157	-3,5000	1.213,302	1.213,121	1.213,372	-0,251	3,5000	1.213,302	6,4000	1.213,157	8,1500	1.213,122	20,1500	1.211,122
2+240,000					-6,4000	1.213,785	-3,5000	1.213,930	1.213,714	1.214,000	-0,286	3,5000	1.213,930	6,4000	1.213,785	8,1500	1.213,750	20,1500	1.211,750
2+260,000					-6,4000	1.214,401	-3,5000	1.214,546	1.214,382	1.214,616	-0,234	3,5000	1.214,546	6,4000	1.214,401	8,1500	1.214,366	20,1500	1.212,366
2+280,000					-6,4000	1.215,005	-3,5000	1.215,150	1.214,992	1.215,220	-0,228	3,5000	1.215,150	6,4000	1.215,005	8,1500	1.214,970	20,1500	1.212,970
2+300,000					-6,4000	1.215,597	-3,5000	1.215,742	1.215,537	1.215,812	-0,275	3,5000	1.215,742	6,4000	1.215,597	8,1500	1.215,562	20,1500	1.213,562
2+320,000					-6,4000	1.216,178	-3,5000	1.216,323	1.216,064	1.216,393	-0,329	3,5000	1.216,323	6,4000	1.216,178	8,1500	1.216,143	20,1500	1.214,143
2+340,000					-6,4000	1.216,747	-3,5000	1.216,892	1.216,636	1.216,962	-0,326	3,5000	1.216,892	6,4000	1.216,747	8,1500	1.216,712	20,1500	1.214,712
2+360,000					-6,4000	1.217,304	-3,5000	1.217,449	1.217,231	1.217,519	-0,288	3,5000	1.217,449	6,4000	1.217,303	8,1500	1.217,268	20,1500	1.215,268
2+380,000					-6,4000	1.217,849	-3,5000	1.217,994	1.217,760	1.218,064	-0,304	3,5000	1.217,994	6,4000	1.217,848	8,1500	1.217,813	20,1500	1.215,813
2+400,000					-6,4000	1.218,382	-3,5000	1.218,527	1.218,308	1.218,597	-0,289	3,5000	1.218,527	6,4000	1.218,382	8,1500	1.218,347	20,1500	1.216,347
2+420,000					-6,4000	1.218,903	-3,5000	1.219,048	1.218,841	1.219,118	-0,277	3,5000	1.219,048	6,4000	1.218,903	8,1500	1.218,868	20,1500	1.216,868
2+440,000					-6,4000	1.219,412	-3,5000	1.219,557	1.219,336	1.219,627	-0,291	3,5000	1.219,557	6,4000	1.219,412	8,1500	1.219,377	20,1500	1.217,377
2+460,000					-6,4000	1.219,910	-3,5000	1.220,055	1.219,772	1.220,125	-0,353	3,5000	1.220,055	6,4000	1.219,910	8,1500	1.219,875	20,1500	1.217,875
2+480,000					-6,4000	1.220,395	-3,5000	1.220,540	1.220,214	1.220,610	-0,396	3,5000	1.220,540	6,4000	1.220,395	8,1500	1.220,360	20,1500	1.218,360
2+500,000					-6,4000	1.220,869	-3,5000	1.221,014	1.220,637	1.221,084	-0,447	3,5000	1.221,014	6,4000	1.220,869				
2+520,000					-6,4000	1.221,331	-3,5000	1.221,476	1.221,062	1.221,546	-0,484	3,5000	1.221,476	6,4000	1.221,331				
2+540,000					-6,4000	1.221,781	-3,5000	1.221,926	1.221,495	1.221,996	-0,501	3,5000	1.221,926	6,4000	1.221,781				
2+560,000					-6,4000	1.222,220	-3,5000	1.222,365	1.221,930	1.222,435	-0,505	3,5000	1.222,365	6,4000	1.222,220				
2+570,000					-6,4000	1.222,434	-3,5000	1.222,579	1.222,158	1.222,649	-0,491	3,5000	1.222,579	6,4000	1.222,434				
2+580,000					-6,4000	1.222,647	-3,5000	1.222,792	1.222,417	1.222,862	-0,445	3,5000	1.222,792	6,4000	1.222,647				
2+600,000					-6,4000	1.223,074	-3,5000	1.223,219	1.222,895	1.223,289	-0,394	3,5000	1.223,219	6,4000	1.223,074				
2+620,000					-6,4000	1.223,500	-3,5000	1.223,645	1.223,502	1.223,715	-0,213	3,5000	1.223,645	6,4000	1.223,500				
2+640,000					-6,4000	1.223,927	-3,5000	1.224,072	1.223,955	1.224,142	-0,187	3,5000	1.224,072	6,4000	1.223,926				
2+660,000					-6,4000	1.224,353	-3,5000	1.224,498	1.224,447	1.224,568	-0,121	3,5000	1.224,498	6,4000	1.224,353				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
2+680,000					-6,4000	1.224,779	-3,5000	1.224,924	1.224,975	1.224,994	-0,019	3,5000	1.224,924	6,4000	1.224,779				
2+700,000					-6,4000	1.225,206	-3,5000	1.225,351	1.225,484	1.225,421	0,063	3,5000	1.225,351	6,4000	1.225,206				
2+720,000					-6,4000	1.225,632	-3,5000	1.225,777	1.225,929	1.225,847	0,082	3,5000	1.225,777	6,4000	1.225,632				
2+740,000					-6,4000	1.226,058	-3,5000	1.226,203	1.226,622	1.226,273	0,349	3,5000	1.226,203	6,4000	1.226,058				
2+760,000					-6,4000	1.226,485	-3,5000	1.226,630	1.226,971	1.226,700	0,271	3,5000	1.226,630	6,4000	1.226,485				
2+780,000					-6,4000	1.226,911	-3,5000	1.227,056	1.227,322	1.227,126	0,196	3,5000	1.227,056	6,4000	1.226,911				
2+800,000					-6,4000	1.227,337	-3,5000	1.227,483	1.227,809	1.227,553	0,256	3,5000	1.227,483	6,4000	1.227,337				
2+820,000					-6,4000	1.227,764	-3,5000	1.227,909	1.228,311	1.227,979	0,332	3,5000	1.227,909	6,4000	1.227,764				
2+840,000					-6,4000	1.228,190	-3,5000	1.228,335	1.228,690	1.228,405	0,285	3,5000	1.228,335	6,4000	1.228,190				
2+860,000					-6,4000	1.228,617	-3,5000	1.228,762	1.229,182	1.228,832	0,350	3,5000	1.228,762	6,4000	1.228,617				
2+880,000					-6,4000	1.229,043	-3,5000	1.229,188	1.229,602	1.229,258	0,344	3,5000	1.229,188	6,4000	1.229,043				
2+900,000					-6,4000	1.229,469	-3,5000	1.229,614	1.229,895	1.229,684	0,211	3,5000	1.229,614	6,4000	1.229,469				
2+920,000					-6,4000	1.229,896	-3,5000	1.230,041	1.230,157	1.230,111	0,046	3,5000	1.230,041	6,4000	1.229,896				
2+940,000					-6,4000	1.230,322	-3,5000	1.230,467	1.230,529	1.230,537	-0,008	3,5000	1.230,467	6,4000	1.230,322				
2+960,000					-6,4000	1.230,748	-3,5000	1.230,893	1.230,951	1.230,963	-0,012	3,5000	1.230,893	6,4000	1.230,748				
2+980,000					-6,4000	1.231,175	-3,5000	1.231,320	1.231,282	1.231,390	-0,108	3,5000	1.231,320	6,4000	1.231,175				
3					-6,4000	1.231,601	-3,5000	1.231,746	1.231,622	1.231,816	-0,194	3,5000	1.231,746	6,4000	1.231,601				
3+20,000					-6,4000	1.232,027	-3,5000	1.232,173	1.231,991	1.232,243	-0,252	3,5000	1.232,173	6,4000	1.232,027				
3+40,000					-6,4000	1.232,454	-3,5000	1.232,599	1.232,431	1.232,669	-0,238	3,5000	1.232,599	6,4000	1.232,454				
3+60,000					-6,4000	1.232,880	-3,5000	1.233,025	1.232,869	1.233,095	-0,226	3,5000	1.233,025	6,4000	1.232,880				
3+80,000					-6,4000	1.233,307	-3,5000	1.233,452	1.233,310	1.233,522	-0,212	3,5000	1.233,452	6,4000	1.233,307				
3+100,000					-6,4000	1.233,733	-3,5000	1.233,878	1.233,774	1.233,948	-0,174	3,5000	1.233,878	6,4000	1.233,733				
3+120,000					-6,4000	1.234,159	-3,5000	1.234,304	1.234,273	1.234,374	-0,101	3,5000	1.234,304	6,4000	1.234,159				
3+140,000					-6,4000	1.234,586	-3,5000	1.234,731	1.234,727	1.234,801	-0,074	3,5000	1.234,731	6,4000	1.234,586				
3+160,000					-6,4000	1.235,012	-3,5000	1.235,157	1.235,265	1.235,227	0,038	3,5000	1.235,157	6,4000	1.235,012				
3+180,000					-6,4000	1.235,438	-3,5000	1.235,584	1.235,768	1.235,654	0,114	3,5000	1.235,584	6,4000	1.235,438				
3+200,000					-6,4000	1.235,865	-3,5000	1.236,010	1.236,175	1.236,080	0,095	3,5000	1.236,010	6,4000	1.235,865				
3+220,000					-6,4000	1.236,295	-3,5000	1.236,440	1.236,559	1.236,510	0,049	3,5000	1.236,440	6,4000	1.236,295				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
3+240,000					-6,4000	1.236,734	-3,5000	1.236,879	1.236,974	1.236,949	0,025	3,5000	1.236,879	6,4000	1.236,734				
3+260,000					-6,4000	1.237,181	-3,5000	1.237,326	1.237,419	1.237,396	0,023	3,5000	1.237,326	6,4000	1.237,181				
3+280,000					-6,4000	1.237,636	-3,5000	1.237,781	1.237,906	1.237,851	0,055	3,5000	1.237,781	6,4000	1.237,636				
3+300,000					-6,4000	1.238,100	-3,5000	1.238,245	1.238,335	1.238,315	0,020	3,5000	1.238,245	6,4000	1.238,100				
3+320,000					-6,4000	1.238,571	-3,5000	1.238,716	1.238,816	1.238,786	0,030	3,5000	1.238,716	6,4000	1.238,571				
3+340,000					-6,4000	1.239,047	-3,5000	1.239,192	1.239,321	1.239,262	0,059	3,5000	1.239,192	6,4000	1.239,047				
3+360,000					-6,4000	1.239,523	-3,5000	1.239,668	1.239,830	1.239,738	0,092	3,5000	1.239,668	6,4000	1.239,523				
3+380,000					-6,4000	1.239,998	-3,5000	1.240,143	1.240,376	1.240,213	0,163	3,5000	1.240,143	6,4000	1.239,998				
3+400,000					-6,4000	1.240,474	-3,5000	1.240,619	1.240,905	1.240,689	0,216	3,5000	1.240,619	6,4000	1.240,474				
3+420,000					-6,4000	1.240,950	-3,5000	1.241,095	1.241,238	1.241,165	0,073	3,5000	1.241,095	6,4000	1.240,950				
3+440,000					-6,4000	1.241,426	-3,5000	1.241,571	1.241,680	1.241,641	0,039	3,5000	1.241,571	6,4000	1.241,426				
3+460,000					-6,4000	1.241,901	-3,5000	1.242,046	1.242,180	1.242,116	0,064	3,5000	1.242,046	6,4000	1.241,901				
3+480,000					-6,4000	1.242,377	-3,5000	1.242,522	1.242,699	1.242,592	0,107	3,5000	1.242,522	6,4000	1.242,377				
3+500,000					-6,4000	1.242,853	-3,5000	1.242,998	1.243,223	1.243,068	0,155	3,5000	1.242,998	6,4000	1.242,853				
3+520,000					-6,4000	1.243,328	-3,5000	1.243,474	1.243,710	1.243,544	0,166	3,5000	1.243,474	6,4000	1.243,328				
3+540,000					-6,4000	1.243,804	-3,5000	1.243,949	1.244,184	1.244,019	0,165	3,5000	1.243,949	6,4000	1.243,804				
3+560,000					-6,4000	1.244,280	-3,5000	1.244,425	1.244,651	1.244,495	0,156	3,5000	1.244,425	6,4000	1.244,280				
3+580,000					-6,4000	1.244,756	-3,5000	1.244,901	1.245,123	1.244,971	0,152	3,5000	1.244,901	6,4000	1.244,756				
3+590,000					-6,4000	1.244,994	-3,5000	1.245,139	1.245,351	1.245,209	0,142	3,5000	1.245,139	6,4000	1.244,994				
3+600,000					-6,4000	1.245,229	-3,5000	1.245,374	1.245,604	1.245,444	0,160	3,5000	1.245,374	6,4000	1.245,229				
3+620,000					-6,4000	1.245,688	-3,5000	1.245,833	1.246,078	1.245,903	0,175	3,5000	1.245,833	6,4000	1.245,688				
3+640,000					-6,4000	1.246,129	-3,5000	1.246,274	1.246,533	1.246,344	0,189	3,5000	1.246,274	6,4000	1.246,129				
3+660,000					-6,4000	1.246,552	-3,5000	1.246,697	1.246,941	1.246,767	0,174	3,5000	1.246,697	6,4000	1.246,552				
3+680,000					-6,4000	1.246,958	-3,5000	1.247,103	1.247,288	1.247,173	0,115	3,5000	1.247,103	6,4000	1.246,958				
3+700,000					-6,4000	1.247,347	-3,5000	1.247,492	1.247,701	1.247,562	0,139	3,5000	1.247,492	6,4000	1.247,347				
3+720,000					-6,4000	1.247,719	-3,5000	1.247,864	1.248,056	1.247,934	0,122	3,5000	1.247,864	6,4000	1.247,719				
3+740,000					-6,4000	1.248,073	-3,5000	1.248,218	1.248,401	1.248,288	0,113	3,5000	1.248,218	6,4000	1.248,073				
3+760,000					-6,4000	1.248,409	-3,5000	1.248,554	1.248,763	1.248,624	0,139	3,5000	1.248,554	6,4000	1.248,409				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
3+780,000					-6,4000	1.248,729	-3,5000	1.248,874	1.249,145	1.248,944	0,201	3,5000	1.248,874	6,4000	1.248,729				
3+800,000					-6,4000	1.249,030	-3,5000	1.249,175	1.249,398	1.249,245	0,153	3,5000	1.249,175	6,4000	1.249,030				
3+820,000					-6,4000	1.249,315	-3,5000	1.249,460	1.249,638	1.249,530	0,108	3,5000	1.249,460	6,4000	1.249,315				
3+830,000					-6,4000	1.249,451	-3,5000	1.249,596	1.249,745	1.249,666	0,079	3,5000	1.249,596	6,4000	1.249,451				
3+840,000					-6,4000	1.249,584	-3,5000	1.249,729	1.249,853	1.249,799	0,054	3,5000	1.249,729	6,4000	1.249,584				
3+860,000					-6,4000	1.249,851	-3,5000	1.249,996	1.249,990	1.250,066	-0,076	3,5000	1.249,996	6,4000	1.249,851				
3+880,000					-6,4000	1.250,118	-3,5000	1.250,264	1.250,339	1.250,334	0,005	3,5000	1.250,264	6,4000	1.250,118				
3+900,000					-6,4000	1.250,386	-3,5000	1.250,531	1.250,660	1.250,601	0,059	3,5000	1.250,531	6,4000	1.250,386				
3+920,000					-6,4000	1.250,653	-3,5000	1.250,798	1.250,885	1.250,868	0,017	3,5000	1.250,798	6,4000	1.250,653				
3+940,000					-6,4000	1.250,920	-3,5000	1.251,065	1.251,267	1.251,135	0,132	3,5000	1.251,065	6,4000	1.250,920				
3+950,000					-6,4000	1.251,053	-3,5000	1.251,198	1.251,431	1.251,268	0,163	3,5000	1.251,198	6,4000	1.251,053				
3+960,000					-6,4000	1.251,189	-3,5000	1.251,334	1.251,580	1.251,404	0,176	3,5000	1.251,334	6,4000	1.251,189				
3+980,000					-6,4000	1.251,471	-3,5000	1.251,616	1.251,808	1.251,686	0,122	3,5000	1.251,616	6,4000	1.251,471				
4					-6,4000	1.251,767	-3,5000	1.251,912	1.252,032	1.251,982	0,050	3,5000	1.251,912	6,4000	1.251,767				
4+20,000					-6,4000	1.252,078	-3,5000	1.252,223	1.252,293	1.252,293	0,000	3,5000	1.252,223	6,4000	1.252,078				
4+40,000					-6,4000	1.252,404	-3,5000	1.252,549	1.252,753	1.252,619	0,134	3,5000	1.252,549	6,4000	1.252,404				
4+60,000					-6,4000	1.252,744	-3,5000	1.252,889	1.253,085	1.252,959	0,126	3,5000	1.252,889	6,4000	1.252,744				
4+80,000					-6,4000	1.253,099	-3,5000	1.253,244	1.253,404	1.253,314	0,090	3,5000	1.253,244	6,4000	1.253,099	8,1500	1.253,064	20,1500	1.251,064
4+100,000					-6,4000	1.253,469	-3,5000	1.253,614	1.253,655	1.253,684	-0,029	3,5000	1.253,614	6,4000	1.253,469	8,1500	1.253,434	20,1500	1.251,434
4+120,000					-6,4000	1.253,854	-3,5000	1.253,999	1.254,076	1.254,069	0,007	3,5000	1.253,999	6,4000	1.253,854	8,1500	1.253,819	20,1500	1.251,819
4+140,000					-6,4000	1.254,253	-3,5000	1.254,398	1.254,401	1.254,468	-0,067	3,5000	1.254,398	6,4000	1.254,253	8,1500	1.254,218	20,1500	1.252,218
4+150,000					-6,4000	1.254,458	-3,5000	1.254,603	1.254,537	1.254,673	-0,136	3,5000	1.254,603	6,4000	1.254,458	8,1500	1.254,423	20,1500	1.252,423
4+160,000					-6,4000	1.254,665	-3,5000	1.254,810	1.254,718	1.254,880	-0,162	3,5000	1.254,810	6,4000	1.254,665	8,1500	1.254,630	20,1500	1.252,630
4+180,000					-6,4000	1.255,079	-3,5000	1.255,224	1.255,097	1.255,294	-0,197	3,5000	1.255,224	6,4000	1.255,078	8,1500	1.255,043	20,1500	1.253,043
4+200,000					-6,4000	1.255,492	-3,5000	1.255,637	1.255,522	1.255,707	-0,185	3,5000	1.255,637	6,4000	1.255,492	8,1500	1.255,457	20,1500	1.253,457
4+220,000					-6,4000	1.255,906	-3,5000	1.256,051	1.255,989	1.256,121	-0,132	3,5000	1.256,051	6,4000	1.255,906	8,1500	1.255,871	20,1500	1.253,871
4+240,000					-6,4000	1.256,320	-3,5000	1.256,465	1.256,492	1.256,535	-0,043	3,5000	1.256,465	6,4000	1.256,320	8,1500	1.256,285	20,1500	1.254,285
4+260,000					-6,4000	1.256,734	-3,5000	1.256,879	1.257,017	1.256,949	0,068	3,5000	1.256,879	6,4000	1.256,734	8,1500	1.256,699	20,1500	1.254,699



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
4+280,000					-6,4000	1.257,147	-3,5000	1.257,292	1.257,456	1.257,362	0,094	3,5000	1.257,292	6,4000	1.257,147	8,1500	1.257,112	20,1500	1.255,112
4+300,000					-6,4000	1.257,561	-3,5000	1.257,706	1.257,894	1.257,776	0,118	3,5000	1.257,706	6,4000	1.257,561	8,1500	1.257,526	20,1500	1.255,526
4+320,000					-6,4000	1.257,975	-3,5000	1.258,120	1.258,330	1.258,190	0,140	3,5000	1.258,120	6,4000	1.257,975	8,1500	1.257,940	20,1500	1.255,940
4+340,000					-6,4000	1.258,389	-3,5000	1.258,534	1.258,799	1.258,604	0,195	3,5000	1.258,534	6,4000	1.258,389	8,1500	1.258,354	20,1500	1.256,354
4+360,000					-6,4000	1.258,802	-3,5000	1.258,947	1.259,144	1.259,017	0,127	3,5000	1.258,947	6,4000	1.258,802	8,1500	1.258,767	12,1500	1.257,767
4+380,000					-6,4000	1.259,216	-3,5000	1.259,361	1.259,472	1.259,431	0,041	3,5000	1.259,361	6,4000	1.259,216	8,1500	1.259,181	12,1500	1.258,181
4+400,000					-6,4000	1.259,630	-3,5000	1.259,775	1.259,875	1.259,845	0,030	3,5000	1.259,775	6,4000	1.259,630	8,1500	1.259,595	12,1500	1.258,595
4+420,000					-6,4000	1.260,044	-3,5000	1.260,189	1.260,288	1.260,259	0,029	3,5000	1.260,189	6,4000	1.260,044	8,1500	1.260,009	12,1500	1.259,009
4+440,000					-6,4000	1.260,457	-3,5000	1.260,603	1.260,709	1.260,673	0,036	3,5000	1.260,603	6,4000	1.260,457	8,1500	1.260,422	12,1500	1.259,422
4+460,000					-6,4000	1.260,871	-3,5000	1.261,016	1.261,146	1.261,086	0,060	3,5000	1.261,016	6,4000	1.260,871	8,1500	1.260,836	12,1500	1.259,836
4+480,000					-6,4000	1.261,285	-3,5000	1.261,430	1.261,559	1.261,500	0,059	3,5000	1.261,430	6,4000	1.261,285	8,1500	1.261,250	12,1500	1.260,250
4+500,000					-6,4000	1.261,699	-3,5000	1.261,844	1.262,015	1.261,914	0,101	3,5000	1.261,844	6,4000	1.261,699	8,1500	1.261,664	12,1500	1.260,664
4+520,000					-6,4000	1.262,113	-3,5000	1.262,258	1.262,431	1.262,328	0,103	3,5000	1.262,258	6,4000	1.262,113	8,1500	1.262,078	12,1500	1.261,078
4+540,000					-6,4000	1.262,526	-3,5000	1.262,671	1.262,836	1.262,741	0,095	3,5000	1.262,671	6,4000	1.262,526	8,1500	1.262,491	12,1500	1.261,491
4+560,000					-6,4000	1.262,940	-3,5000	1.263,085	1.263,194	1.263,155	0,039	3,5000	1.263,085	6,4000	1.262,940	8,1500	1.262,905	12,1500	1.261,905
4+580,000					-6,4000	1.263,354	-3,5000	1.263,499	1.263,547	1.263,569	-0,022	3,5000	1.263,499	6,4000	1.263,354	8,1500	1.263,319	12,1500	1.262,319
4+600,000					-6,4000	1.263,768	-3,5000	1.263,913	1.264,125	1.263,983	0,142	3,5000	1.263,913	6,4000	1.263,768	8,1500	1.263,733	12,1500	1.262,733
4+620,000					-6,4000	1.264,181	-3,5000	1.264,327	1.264,395	1.264,397	-0,002	3,5000	1.264,327	6,4000	1.264,181	8,1500	1.264,146	12,1500	1.263,146
4+640,000					-6,4000	1.264,595	-3,5000	1.264,740	1.264,717	1.264,810	-0,093	3,5000	1.264,740	6,4000	1.264,595	8,1500	1.264,560	12,1500	1.263,560
4+660,000					-6,4000	1.265,009	-3,5000	1.265,154	1.265,054	1.265,224	-0,170	3,5000	1.265,154	6,4000	1.265,009	8,1500	1.264,974	12,1500	1.263,974
4+680,000					-6,4000	1.265,423	-3,5000	1.265,568	1.265,490	1.265,638	-0,148	3,5000	1.265,568	6,4000	1.265,423	8,1500	1.265,388	12,1500	1.264,388
4+700,000					-6,4000	1.265,837	-3,5000	1.265,982	1.265,931	1.266,052	-0,121	3,5000	1.265,982	6,4000	1.265,837	8,1500	1.265,802	12,1500	1.264,802
4+720,000					-6,4000	1.266,250	-3,5000	1.266,395	1.266,340	1.266,465	-0,125	3,5000	1.266,395	6,4000	1.266,250	8,1500	1.266,215	12,1500	1.265,215
4+740,000					-6,4000	1.266,664	-3,5000	1.266,809	1.266,762	1.266,879	-0,117	3,5000	1.266,809	6,4000	1.266,664	8,1500	1.266,629	12,1500	1.265,629
4+760,000					-6,4000	1.267,078	-3,5000	1.267,223	1.267,170	1.267,293	-0,123	3,5000	1.267,223	6,4000	1.267,078	8,1500	1.267,043	12,1500	1.266,043
4+780,000					-6,4000	1.267,492	-3,5000	1.267,637	1.267,620	1.267,707	-0,087	3,5000	1.267,637	6,4000	1.267,492	8,1500	1.267,457	12,1500	1.266,457
4+800,000					-6,4000	1.267,905	-3,5000	1.268,050	1.268,064	1.268,120	-0,056	3,5000	1.268,050	6,4000	1.267,905	8,1500	1.267,870	12,1500	1.266,870
4+820,000					-6,4000	1.268,319	-3,5000	1.268,464	1.268,485	1.268,534	-0,049	3,5000	1.268,464	6,4000	1.268,319	8,1500	1.268,284	12,1500	1.267,284



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
4+840,000					-6,4000	1.268,733	-3,5000	1.268,878	1.268,874	1.268,948	-0,074	3,5000	1.268,878	6,4000	1.268,733	8,1500	1.268,698	12,1500	1.267,698
4+860,000					-6,4000	1.269,147	-3,5000	1.269,292	1.269,235	1.269,362	-0,127	3,5000	1.269,292	6,4000	1.269,147	8,1500	1.269,112	12,1500	1.268,112
4+880,000					-6,4000	1.269,560	-3,5000	1.269,706	1.269,641	1.269,776	-0,135	3,5000	1.269,706	6,4000	1.269,560	8,1500	1.269,525	12,1500	1.268,525
4+900,000					-6,4000	1.269,974	-3,5000	1.270,119	1.270,085	1.270,189	-0,104	3,5000	1.270,119	6,4000	1.269,974	8,1500	1.269,939	12,1500	1.268,939
4+920,000					-6,4000	1.270,388	-3,5000	1.270,533	1.270,508	1.270,603	-0,095	3,5000	1.270,533	6,4000	1.270,388	8,1500	1.270,353	12,1500	1.269,353
4+940,000					-6,4000	1.270,802	-3,5000	1.270,947	1.270,906	1.271,017	-0,111	3,5000	1.270,947	6,4000	1.270,802	8,1500	1.270,767	12,1500	1.269,767
4+960,000					-6,4000	1.271,216	-3,5000	1.271,361	1.271,288	1.271,431	-0,143	3,5000	1.271,361	6,4000	1.271,216				
4+980,000					-6,4000	1.271,629	-3,5000	1.271,774	1.271,742	1.271,844	-0,102	3,5000	1.271,774	6,4000	1.271,629				
5					-6,4000	1.272,043	-3,5000	1.272,188	1.272,205	1.272,258	-0,053	3,5000	1.272,188	6,4000	1.272,043				
5+20,000					-6,4000	1.272,457	-3,5000	1.272,602	1.272,740	1.272,672	0,068	3,5000	1.272,602	6,4000	1.272,457				
5+40,000					-6,4000	1.272,871	-3,5000	1.273,016	1.273,152	1.273,086	0,066	3,5000	1.273,016	6,4000	1.272,871				
5+60,000					-6,4000	1.273,284	-3,5000	1.273,429	1.273,538	1.273,499	0,039	3,5000	1.273,429	6,4000	1.273,284				
5+80,000					-6,4000	1.273,698	-3,5000	1.273,843	1.273,967	1.273,913	0,054	3,5000	1.273,843	6,4000	1.273,698				
5+100,000					-6,4000	1.274,116	-3,5000	1.274,261	1.274,445	1.274,331	0,114	3,5000	1.274,261	6,4000	1.274,116				
5+120,000					-6,4000	1.274,542	-3,5000	1.274,687	1.274,971	1.274,757	0,214	3,5000	1.274,687	6,4000	1.274,542				
5+140,000					-6,4000	1.274,975	-3,5000	1.275,120	1.275,403	1.275,190	0,213	3,5000	1.275,120	6,4000	1.274,975				
5+160,000					-6,4000	1.275,417	-3,5000	1.275,562	1.275,893	1.275,632	0,261	3,5000	1.275,562	6,4000	1.275,417				
5+180,000					-6,4000	1.275,866	-3,5000	1.276,011	1.276,372	1.276,081	0,291	3,5000	1.276,011	6,4000	1.275,866				
5+200,000					-6,4000	1.276,324	-3,5000	1.276,469	1.276,758	1.276,539	0,219	3,5000	1.276,469	6,4000	1.276,324				
5+220,000					-6,4000	1.276,789	-3,5000	1.276,934	1.277,015	1.277,004	0,011	3,5000	1.276,934	6,4000	1.276,789				
5+240,000					-6,4000	1.277,262	-3,5000	1.277,407	1.277,625	1.277,477	0,148	3,5000	1.277,407	6,4000	1.277,262				
5+260,000					-6,4000	1.277,744	-3,5000	1.277,889	1.278,178	1.277,959	0,219	3,5000	1.277,889	6,4000	1.277,743				
5+280,000					-6,4000	1.278,233	-3,5000	1.278,378	1.278,636	1.278,448	0,188	3,5000	1.278,378	6,4000	1.278,233				
5+300,000					-6,4000	1.278,730	-3,5000	1.278,875	1.279,141	1.278,945	0,196	3,5000	1.278,875	6,4000	1.278,730				
5+320,000					-6,4000	1.279,231	-3,5000	1.279,376	1.279,549	1.279,446	0,103	3,5000	1.279,376	6,4000	1.279,231				
5+340,000					-6,4000	1.279,732	-3,5000	1.279,877	1.280,040	1.279,947	0,093	3,5000	1.279,877	6,4000	1.279,732				
5+342,600					-6,4000	1.279,797	-3,5000	1.279,942	1.280,108	1.280,012	0,096	3,5000	1.279,942	6,4000	1.279,797				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
5+519,571					-6,4000	1.284,231	-3,5000	1.284,376	1.284,581	1.284,446	0,135	3,5000	1.284,376	6,4000	1.284,231	8,1500	1.284,196	12,1500	1.283,196
5+520,000					-6,4000	1.284,241	-3,5000	1.284,386	1.284,591	1.284,456	0,135	3,5000	1.284,386	6,4000	1.284,241	8,1500	1.284,206	12,1500	1.283,206
5+540,000					-6,4000	1.284,737	-3,5000	1.284,882	1.285,049	1.284,952	0,097	3,5000	1.284,882	6,4000	1.284,737	8,1500	1.284,702	12,1500	1.283,702
5+560,000					-6,4000	1.285,221	-3,5000	1.285,366	1.285,528	1.285,436	0,092	3,5000	1.285,366	6,4000	1.285,221	8,1500	1.285,186	12,1500	1.284,186
5+580,000					-6,4000	1.285,694	-3,5000	1.285,839	1.285,983	1.285,909	0,074	3,5000	1.285,839	6,4000	1.285,693	8,1500	1.285,658	12,1500	1.284,658
5+600,000					-6,4000	1.286,155	-3,5000	1.286,300	1.286,433	1.286,370	0,063	3,5000	1.286,300	6,4000	1.286,155	8,1500	1.286,120	12,1500	1.285,120
5+620,000					-6,4000	1.286,605	-3,5000	1.286,750	1.286,853	1.286,820	0,033	3,5000	1.286,750	6,4000	1.286,605	8,1500	1.286,570	12,1500	1.285,570
5+637,399					-6,4000	1.286,987	-3,5000	1.287,133	1.287,287	1.287,203	0,084	3,5000	1.287,133	6,4000	1.286,987	8,1500	1.286,952	12,1500	1.285,952
5+640,000					-6,4000	1.287,044	-3,5000	1.287,189	1.287,354	1.287,259	0,095	3,5000	1.287,189	6,4000	1.287,044	8,1500	1.287,009	12,1500	1.286,009
5+660,000					-6,4000	1.287,471	-3,5000	1.287,616	1.287,761	1.287,686	0,075	3,5000	1.287,616	6,4000	1.287,471	8,1500	1.287,436	12,1500	1.286,436
5+680,000					-6,4000	1.287,888	-3,5000	1.288,033	1.288,145	1.288,103	0,042	3,5000	1.288,033	6,4000	1.287,888	8,1500	1.287,853	12,1500	1.286,853
5+700,000					-6,4000	1.288,292	-3,5000	1.288,437	1.288,539	1.288,507	0,032	3,5000	1.288,437	6,4000	1.288,292	8,1500	1.288,257	12,1500	1.287,257
5+720,000					-6,4000	1.288,686	-3,5000	1.288,831	1.288,927	1.288,901	0,026	3,5000	1.288,831	6,4000	1.288,686	8,1500	1.288,651	12,1500	1.287,651
5+740,000					-6,4000	1.289,068	-3,5000	1.289,213	1.289,306	1.289,283	0,023	3,5000	1.289,213	6,4000	1.289,068	8,1500	1.289,033	12,1500	1.288,033
5+760,000					-6,4000	1.289,439	-3,5000	1.289,584	1.289,817	1.289,654	0,163	3,5000	1.289,584	6,4000	1.289,439	8,1500	1.289,404	12,1500	1.288,404
5+780,000					-6,4000	1.289,799	-3,5000	1.289,944	1.290,189	1.290,014	0,175	3,5000	1.289,944	6,4000	1.289,799	8,1500	1.289,764	12,1500	1.288,764
5+800,000					-6,4000	1.290,147	-3,5000	1.290,292	1.290,479	1.290,362	0,117	3,5000	1.290,292	6,4000	1.290,147	8,1500	1.290,112	12,1500	1.289,112
5+820,000					-6,4000	1.290,484	-3,5000	1.290,629	1.290,726	1.290,699	0,027	3,5000	1.290,629	6,4000	1.290,484	8,1500	1.290,449	12,1500	1.289,449
5+840,000					-6,4000	1.290,810	-3,5000	1.290,955	1.291,041	1.291,025	0,016	3,5000	1.290,955	6,4000	1.290,810	8,1500	1.290,775	12,1500	1.289,775
5+860,000					-6,4000	1.291,124	-3,5000	1.291,269	1.291,378	1.291,339	0,039	3,5000	1.291,269	6,4000	1.291,124	8,1500	1.291,089	12,1500	1.290,089
5+880,000					-6,4000	1.291,427	-3,5000	1.291,572	1.291,716	1.291,642	0,074	3,5000	1.291,572	6,4000	1.291,427	8,1500	1.291,392	12,1500	1.290,392
5+900,000					-6,4000	1.291,719	-3,5000	1.291,864	1.292,037	1.291,934	0,103	3,5000	1.291,864	6,4000	1.291,719	8,1500	1.291,684	12,1500	1.290,684
5+920,000					-6,4000	1.291,999	-3,5000	1.292,144	1.292,390	1.292,214	0,175	3,5000	1.292,144	6,4000	1.291,999	8,1500	1.291,964	12,1500	1.290,964
5+940,000					-6,4000	1.292,268	-3,5000	1.292,413	1.292,611	1.292,483	0,128	3,5000	1.292,413	6,4000	1.292,268	8,1500	1.292,233	12,1500	1.291,233
5+960,000					-6,4000	1.292,526	-3,5000	1.292,671	1.292,804	1.292,741	0,063	3,5000	1.292,671	6,4000	1.292,526	8,1500	1.292,491	12,1500	1.291,491
5+980,000					-6,4000	1.292,772	-3,5000	1.292,917	1.293,025	1.292,987	0,038	3,5000	1.292,917	6,4000	1.292,772	8,1500	1.292,737	12,1500	1.291,737
6					-6,4000	1.293,007	-3,5000	1.293,152	1.293,274	1.293,222	0,052	3,5000	1.293,152	6,4000	1.293,007	8,1500	1.292,972	12,1500	1.291,972
6+20,000					-6,4000	1.293,231	-3,5000	1.293,376	1.293,491	1.293,446	0,045	3,5000	1.293,376	6,4000	1.293,231	8,1500	1.293,196	12,1500	1.292,196



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
6+40,000					-6,4000	1.293,444	-3,5000	1.293,589	1.293,751	1.293,659	0,092	3,5000	1.293,589	6,4000	1.293,444	8,1500	1.293,409	12,1500	1.292,409
6+60,000					-6,4000	1.293,651	-3,5000	1.293,796	1.293,981	1.293,866	0,115	3,5000	1.293,796	6,4000	1.293,650	8,1500	1.293,615	12,1500	1.292,615
6+80,000					-6,4000	1.293,857	-3,5000	1.294,002	1.294,217	1.294,072	0,145	3,5000	1.294,002	6,4000	1.293,857	8,1500	1.293,822	12,1500	1.292,822
6+100,000					-6,4000	1.294,064	-3,5000	1.294,209	1.294,436	1.294,279	0,157	3,5000	1.294,209	6,4000	1.294,064	8,1500	1.294,029	12,1500	1.293,029
6+107,060					-6,4000	1.294,224	-3,5000	1.294,282	1.294,514	1.294,352	0,162	3,5000	1.294,282	6,4000	1.294,137	8,1500	1.294,102	12,1500	1.293,102
6+120,000					-6,4000	1.294,358	-3,5000	1.294,416	1.294,656	1.294,486	0,170	3,5000	1.294,416	6,4000	1.294,271	8,1500	1.294,236	12,1500	1.293,236
6+140,000					-6,4000	1.294,565	-3,5000	1.294,623	1.294,864	1.294,693	0,171	3,5000	1.294,623	6,4000	1.294,478	8,1500	1.294,443	12,1500	1.293,443
6+144,560					-6,4000	1.294,613	-3,5000	1.294,671	1.294,894	1.294,741	0,153	3,5000	1.294,671	6,4000	1.294,526	8,1500	1.294,491	12,1500	1.293,491
6+160,000					-6,4000	1.294,782	-3,5000	1.294,840	1.295,035	1.294,910	0,125	3,5000	1.294,840	6,4000	1.294,695	8,1500	1.294,660	12,1500	1.293,660
6+167,060					-7,9000	1.294,834	-3,5000	1.294,922	1.295,110	1.294,992	0,118	3,5000	1.294,922	6,4000	1.294,777	8,1500	1.294,742	12,1500	1.293,742
6+180,000					-7,9000	1.294,991	-3,5000	1.295,079	1.295,248	1.295,149	0,099	3,5000	1.295,079	6,4000	1.294,934	8,1500	1.294,899	12,1500	1.293,899
6+196,964					-7,9000	1.295,210	-3,5000	1.295,298	1.295,384	1.295,368	0,016	3,5000	1.295,298	6,4000	1.295,153	8,1500	1.295,118	12,1500	1.294,118
6+200,000					-7,9000	1.295,251	-3,5000	1.295,339	1.295,406	1.295,409	-0,003	3,5000	1.295,339	6,4000	1.295,194	8,1500	1.295,159	12,1500	1.294,159
6+219,464					-6,4000	1.295,555	-3,5000	1.295,613	1.295,580	1.295,683	-0,103	3,5000	1.295,613	6,4000	1.295,468	8,1500	1.295,433	12,1500	1.294,433
6+220,000					-6,4000	1.295,563	-3,5000	1.295,621	1.295,586	1.295,691	-0,105	3,5000	1.295,621	6,4000	1.295,476	8,1500	1.295,441	12,1500	1.294,441
6+240,000					-6,4000	1.295,866	-3,5000	1.295,924	1.295,799	1.295,994	-0,195	3,5000	1.295,924	6,4000	1.295,778	8,1500	1.295,743	12,1500	1.294,743
6+256,964					-6,4000	1.296,139	-3,5000	1.296,197	1.295,990	1.296,267	-0,277	3,5000	1.296,197	6,4000	1.296,052	8,1500	1.296,017	12,1500	1.295,017
6+260,000					-6,4000	1.296,103	-3,5000	1.296,248	1.296,025	1.296,318	-0,293	3,5000	1.296,248	6,4000	1.296,103	8,1500	1.296,068	12,1500	1.295,068
6+280,000					-6,4000	1.296,448	-3,5000	1.296,593	1.296,311	1.296,663	-0,352	3,5000	1.296,593	6,4000	1.296,448	8,1500	1.296,413	12,1500	1.295,413
6+300,000					-6,4000	1.296,815	-3,5000	1.296,960	1.296,733	1.297,030	-0,297	3,5000	1.296,960	6,4000	1.296,815	8,1500	1.296,780	12,1500	1.295,780
6+320,000					-6,4000	1.297,203	-3,5000	1.297,348	1.297,139	1.297,418	-0,279	3,5000	1.297,348	6,4000	1.297,203	8,1500	1.297,168	12,1500	1.296,168
6+340,000					-6,4000	1.297,612	-3,5000	1.297,757	1.297,571	1.297,827	-0,256	3,5000	1.297,757	6,4000	1.297,612	8,1500	1.297,577	12,1500	1.296,577
6+360,000					-6,4000	1.298,032	-3,5000	1.298,177	1.298,087	1.298,247	-0,160	3,5000	1.298,177	6,4000	1.298,032	8,1500	1.297,997	12,1500	1.296,997
6+380,000					-6,4000	1.298,452	-3,5000	1.298,597	1.298,665	1.298,667	-0,002	3,5000	1.298,597	6,4000	1.298,452	8,1500	1.298,417	12,1500	1.297,417
6+400,000					-6,4000	1.298,872	-3,5000	1.299,017	1.299,180	1.299,087	0,093	3,5000	1.299,017	6,4000	1.298,872	8,1500	1.298,837	12,1500	1.297,837
6+420,000					-6,4000	1.299,292	-3,5000	1.299,437	1.299,638	1.299,507	0,131	3,5000	1.299,437	6,4000	1.299,292	8,1500	1.299,257	12,1500	1.298,257
6+440,000					-6,4000	1.299,713	-3,5000	1.299,858	1.300,001	1.299,928	0,074	3,5000	1.299,858	6,4000	1.299,712	8,1500	1.299,677	12,1500	1.298,677
6+460,000					-6,4000	1.300,133	-3,5000	1.300,278	1.300,435	1.300,348	0,087	3,5000	1.300,278	6,4000	1.300,133	8,1500	1.300,098	12,1500	1.299,098



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
6+480,000					-6,4000	1.300,553	-3,5000	1.300,698	1.300,869	1.300,768	0,101	3,5000	1.300,698	6,4000	1.300,553	8,1500	1.300,518	12,1500	1.299,518
6+500,000					-6,4000	1.300,973	-3,5000	1.301,118	1.301,282	1.301,188	0,094	3,5000	1.301,118	6,4000	1.300,973	8,1500	1.300,938	12,1500	1.299,938
6+520,000					-6,4000	1.301,393	-3,5000	1.301,538	1.301,688	1.301,608	0,080	3,5000	1.301,538	6,4000	1.301,393	8,1500	1.301,358	12,1500	1.300,358
6+540,000					-6,4000	1.301,813	-3,5000	1.301,958	1.302,018	1.302,028	-0,010	3,5000	1.301,958	6,4000	1.301,813	8,1500	1.301,778	12,1500	1.300,778
6+560,000					-6,4000	1.302,233	-3,5000	1.302,378	1.302,393	1.302,448	-0,055	3,5000	1.302,378	6,4000	1.302,233	8,1500	1.302,198	12,1500	1.301,198
6+580,000					-6,4000	1.302,653	-3,5000	1.302,798	1.302,749	1.302,868	-0,119	3,5000	1.302,798	6,4000	1.302,653	8,1500	1.302,618	12,1500	1.301,618
6+600,000					-6,4000	1.303,073	-3,5000	1.303,218	1.303,125	1.303,288	-0,163	3,5000	1.303,218	6,4000	1.303,073	8,1500	1.303,038	12,1500	1.302,038
6+620,000					-6,4000	1.303,493	-3,5000	1.303,638	1.303,500	1.303,708	-0,208	3,5000	1.303,638	6,4000	1.303,493	8,1500	1.303,458	12,1500	1.302,458
6+640,000					-6,4000	1.303,913	-3,5000	1.304,058	1.303,864	1.304,128	-0,264	3,5000	1.304,058	6,4000	1.303,913	8,1500	1.303,878	12,1500	1.302,878
6+660,000					-6,4000	1.304,333	-3,5000	1.304,478	1.304,224	1.304,548	-0,324	3,5000	1.304,478	6,4000	1.304,333	8,1500	1.304,298	12,1500	1.303,298
6+680,000					-6,4000	1.304,753	-3,5000	1.304,898	1.304,687	1.304,968	-0,281	3,5000	1.304,898	6,4000	1.304,753	8,1500	1.304,718	12,1500	1.303,718
6+700,000					-6,4000	1.305,173	-3,5000	1.305,318	1.305,109	1.305,388	-0,279	3,5000	1.305,318	6,4000	1.305,173	8,1500	1.305,138	12,1500	1.304,138
6+720,000					-6,4000	1.305,593	-3,5000	1.305,738	1.305,567	1.305,808	-0,241	3,5000	1.305,738	6,4000	1.305,593	8,1500	1.305,558	12,1500	1.304,558
6+740,000					-6,4000	1.306,013	-3,5000	1.306,158	1.305,989	1.306,228	-0,239	3,5000	1.306,158	6,4000	1.306,013				
6+760,000					-6,4000	1.306,433	-3,5000	1.306,578	1.306,386	1.306,648	-0,262	3,5000	1.306,578	6,4000	1.306,433				
6+780,000					-6,4000	1.306,853	-3,5000	1.306,998	1.306,812	1.307,068	-0,256	3,5000	1.306,998	6,4000	1.306,853				
6+800,000					-6,4000	1.307,273	-3,5000	1.307,419	1.307,340	1.307,489	-0,149	3,5000	1.307,419	6,4000	1.307,273				
6+820,000					-6,4000	1.307,694	-3,5000	1.307,839	1.307,879	1.307,909	-0,030	3,5000	1.307,839	6,4000	1.307,694				
6+840,000					-6,4000	1.308,114	-3,5000	1.308,259	1.308,454	1.308,329	0,125	3,5000	1.308,259	6,4000	1.308,114				
6+860,000					-6,4000	1.308,534	-3,5000	1.308,679	1.308,982	1.308,749	0,233	3,5000	1.308,679	6,4000	1.308,534				
6+880,000					-6,4000	1.308,954	-3,5000	1.309,099	1.309,482	1.309,169	0,313	3,5000	1.309,099	6,4000	1.308,954				
6+900,000					-6,4000	1.309,374	-3,5000	1.309,519	1.309,995	1.309,589	0,406	3,5000	1.309,519	6,4000	1.309,374				
6+920,000					-6,4000	1.309,794	-3,5000	1.309,939	1.310,430	1.310,009	0,421	3,5000	1.309,939	6,4000	1.309,794				
6+940,000					-6,4000	1.310,214	-3,5000	1.310,359	1.310,819	1.310,429	0,390	3,5000	1.310,359	6,4000	1.310,214				
6+960,000					-6,4000	1.310,634	-3,5000	1.310,779	1.311,220	1.310,849	0,371	3,5000	1.310,779	6,4000	1.310,634				
6+980,000					-6,4000	1.311,054	-3,5000	1.311,199	1.311,573	1.311,269	0,304	3,5000	1.311,199	6,4000	1.311,054				
7					-6,4000	1.311,474	-3,5000	1.311,619	1.311,870	1.311,689	0,181	3,5000	1.311,619	6,4000	1.311,474				
7+20,000					-6,4000	1.311,894	-3,5000	1.312,039	1.312,159	1.312,109	0,050	3,5000	1.312,039	6,4000	1.311,894				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
7+40,000					-6,4000	1.312,314	-3,5000	1.312,459	1.312,471	1.312,529	-0,058	3,5000	1.312,459	6,4000	1.312,314				
7+60,000					-6,4000	1.312,734	-3,5000	1.312,879	1.312,867	1.312,949	-0,082	3,5000	1.312,879	6,4000	1.312,734				
7+80,000					-6,4000	1.313,154	-3,5000	1.313,299	1.313,223	1.313,369	-0,146	3,5000	1.313,299	6,4000	1.313,154				
7+100,000					-6,4000	1.313,574	-3,5000	1.313,719	1.313,529	1.313,789	-0,260	3,5000	1.313,719	6,4000	1.313,574				
7+120,000					-6,4000	1.313,994	-3,5000	1.314,139	1.313,861	1.314,209	-0,348	3,5000	1.314,139	6,4000	1.313,994				
7+140,000					-6,4000	1.314,414	-3,5000	1.314,559	1.314,210	1.314,629	-0,419	3,5000	1.314,559	6,4000	1.314,414				
7+160,000					-6,4000	1.314,835	-3,5000	1.314,980	1.314,573	1.315,050	-0,477	3,5000	1.314,980	6,4000	1.314,834				
7+180,000					-6,4000	1.315,255	-3,5000	1.315,400	1.314,950	1.315,470	-0,520	3,5000	1.315,400	6,4000	1.315,255				
7+200,000					-6,4000	1.315,675	-3,5000	1.315,820	1.315,428	1.315,890	-0,462	3,5000	1.315,820	6,4000	1.315,675				
7+220,000					-6,4000	1.316,095	-3,5000	1.316,240	1.315,959	1.316,310	-0,351	3,5000	1.316,240	6,4000	1.316,095				
7+240,000					-6,4000	1.316,515	-3,5000	1.316,660	1.316,432	1.316,730	-0,298	3,5000	1.316,660	6,4000	1.316,515				
7+260,000					-6,4000	1.316,935	-3,5000	1.317,080	1.316,893	1.317,150	-0,257	3,5000	1.317,080	6,4000	1.316,935				
7+280,000					-6,4000	1.317,355	-3,5000	1.317,500	1.317,346	1.317,570	-0,224	3,5000	1.317,500	6,4000	1.317,355				
7+300,000					-6,4000	1.317,775	-3,5000	1.317,920	1.317,730	1.317,990	-0,260	3,5000	1.317,920	6,4000	1.317,775				
7+320,000					-6,4000	1.318,195	-3,5000	1.318,340	1.318,251	1.318,410	-0,159	3,5000	1.318,340	6,4000	1.318,195				
7+340,000					-6,4000	1.318,615	-3,5000	1.318,760	1.318,930	1.318,830	0,100	3,5000	1.318,760	6,4000	1.318,615				
7+360,000					-6,4000	1.319,035	-3,5000	1.319,180	1.319,164	1.319,250	-0,086	3,5000	1.319,180	6,4000	1.319,035				
7+380,000					-6,4000	1.319,455	-3,5000	1.319,600	1.319,422	1.319,670	-0,248	3,5000	1.319,600	6,4000	1.319,455				
7+382,740					-6,4000	1.319,600			1.319,461	1.319,728	-0,267			6,4000	1.319,600				
7+400,000					-6,4000	1.319,962			1.319,795	1.320,090	-0,295			6,4000	1.319,962				
7+420,000					-6,4000	1.320,382			1.320,221	1.320,510	-0,289			6,4000	1.320,382				
7+421,548					-6,4000	1.320,415			1.320,246	1.320,543	-0,297			6,4000	1.320,415				
7+440,000					-6,4000	1.320,802			1.320,549	1.320,930	-0,381			7,5886	1.320,778				
7+452,595					-6,4000	1.321,067			1.320,863	1.321,195	-0,332			8,4000	1.321,027				
7+460,000					-6,4000	1.321,222			1.321,058	1.321,350	-0,292			8,4000	1.321,182				
7+461,548					-6,4000	1.321,255			1.321,099	1.321,383	-0,284			8,4000	1.321,215				
7+480,000					-7,5886	1.321,619			1.321,583	1.321,770	-0,187			8,4000	1.321,602				
7+492,595					-8,4000	1.321,867			1.321,900	1.322,035	-0,135			8,4000	1.321,867				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
7+500,000					-8,4000	1.322,022			1.322,074	1.322,190	-0,116			7,4315	1.322,042				
7+518,645					-8,4000	1.322,414			1.322,512	1.322,582	-0,070			6,0000	1.322,462				
7+520,000					-8,4000	1.322,443			1.322,544	1.322,611	-0,067			6,0000	1.322,491				
7+523,975					-8,4000	1.322,526			1.322,639	1.322,694	-0,055			6,0000	1.322,574				
7+534,138					-8,4000	1.322,739			1.322,882	1.322,907	-0,025			6,0000	1.322,788				
7+538,051					-8,4000	1.322,822			1.322,976	1.322,990	-0,014			6,0000	1.322,870				
7+540,000					-8,4000	1.322,863			1.323,022	1.323,031	-0,009			6,0000	1.322,911				
7+546,261					-8,4000	1.322,994			1.323,235	1.323,162	0,073			6,0000	1.323,042				
7+557,472					-8,4000	1.323,230			1.323,603	1.323,398	0,205			6,0000	1.323,278				
7+560,000					-8,4000	1.323,283			1.323,686	1.323,451	0,235			6,2285	1.323,326				
7+579,595					-8,4000	1.323,694			1.324,221	1.323,862	0,359			8,4000	1.323,694	10,1500	1.323,659	14,1500	1.322,659
7+580,000					-8,3739	1.323,703			1.324,231	1.323,871	0,360			8,4000	1.323,703	10,1500	1.323,668	14,1500	1.322,668
7+600,000					-7,0855	1.324,149			1.324,726	1.324,291	0,435			8,4000	1.324,123	10,1500	1.324,088	14,1500	1.323,088
7+610,641					-6,4000	1.324,386			1.325,018	1.324,514	0,504			8,4000	1.324,346	10,1500	1.324,311	14,1500	1.323,311
7+619,595					-6,4000	1.324,574			1.325,249	1.324,702	0,547			8,4000	1.324,534	10,1500	1.324,499	14,1500	1.323,499
7+620,000					-6,4000	1.324,583			1.325,257	1.324,711	0,546			8,3739	1.324,543	10,1239	1.324,508	14,1239	1.323,508
7+640,000					-6,4000	1.325,003			1.325,661	1.325,131	0,530			7,0855	1.324,989	8,8355	1.324,954	12,8355	1.323,954
7+650,642					-6,4000	1.325,226			1.325,849	1.325,354	0,495			6,4000	1.325,226	8,1500	1.325,191	12,1500	1.324,191
7+660,000					-6,4000	1.325,423			1.326,004	1.325,551	0,453			6,4000	1.325,423	8,1500	1.325,388	12,1500	1.324,388
7+680,000					-6,4000	1.325,843			1.326,365	1.325,971	0,394			6,4000	1.325,843	8,1500	1.325,808	12,1500	1.324,808
7+689,450					-6,4000	1.326,041			1.326,538	1.326,169	0,369			6,4000	1.326,041	8,1500	1.326,006	20,1500	1.324,006
7+700,000					-6,4000	1.326,176	-3,5000	1.326,321	1.326,726	1.326,391	0,335	3,5000	1.326,321	6,4000	1.326,176	8,1500	1.326,141	20,1500	1.324,141
7+720,000					-6,4000	1.326,596	-3,5000	1.326,741	1.327,400	1.326,811	0,589	3,5000	1.326,741	6,4000	1.326,596	8,1500	1.326,561	20,1500	1.324,561
7+740,000					-6,4000	1.327,016	-3,5000	1.327,161	1.327,630	1.327,231	0,398	3,5000	1.327,161	6,4000	1.327,016	8,1500	1.326,981	20,1500	1.324,981
7+760,000					-6,4000	1.327,436	-3,5000	1.327,581	1.327,950	1.327,651	0,299	3,5000	1.327,581	6,4000	1.327,436	8,1500	1.327,401	20,1500	1.325,401
7+780,000					-6,4000	1.327,856	-3,5000	1.328,001	1.328,416	1.328,071	0,345	3,5000	1.328,001	6,4000	1.327,856	8,1500	1.327,821	20,1500	1.325,821
7+800,000					-6,4000	1.328,276	-3,5000	1.328,421	1.328,779	1.328,491	0,288	3,5000	1.328,421	6,4000	1.328,276	8,1500	1.328,241	20,1500	1.326,241
7+820,000					-6,4000	1.328,696	-3,5000	1.328,841	1.329,192	1.328,911	0,281	3,5000	1.328,841	6,4000	1.328,696	8,1500	1.328,661	20,1500	1.326,661



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM

DF-220-TP-R01



ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
7+840,000					-6,4000	1.329,116	-3,5000	1.329,261	1.329,603	1.329,331	0,272	3,5000	1.329,261	6,4000	1.329,116	8,1500	1.329,081	20,1500	1.327,081
7+860,000					-6,4000	1.329,536	-3,5000	1.329,681	1.330,018	1.329,751	0,267	3,5000	1.329,681	6,4000	1.329,536	8,1500	1.329,501	20,1500	1.327,501
7+880,000					-6,4000	1.329,957	-3,5000	1.330,102	1.330,408	1.330,172	0,236	3,5000	1.330,102	6,4000	1.329,956	8,1500	1.329,921	20,1500	1.327,921
7+900,000					-6,4000	1.330,376	-3,5000	1.330,522	1.330,790	1.330,592	0,198	3,5000	1.330,522	6,4000	1.330,376	8,1500	1.330,341	20,1500	1.328,341
7+910,000					-6,4000	1.330,587	-3,5000	1.330,732	1.330,972	1.330,802	0,170	3,5000	1.330,732	6,4000	1.330,587	8,1500	1.330,552	20,1500	1.328,552
7+920,000					-6,4000	1.330,794	-3,5000	1.330,939	1.331,149	1.331,009	0,140	3,5000	1.330,939	6,4000	1.330,794	8,1500	1.330,759	20,1500	1.328,759
7+940,000					-6,4000	1.331,196	-3,5000	1.331,341	1.331,501	1.331,411	0,090	3,5000	1.331,341	6,4000	1.331,196	8,1500	1.331,161	20,1500	1.329,161
7+960,000					-6,4000	1.331,579	-3,5000	1.331,724	1.331,818	1.331,794	0,024	3,5000	1.331,724	6,4000	1.331,579				
7+980,000					-6,4000	1.331,943	-3,5000	1.332,088	1.332,130	1.332,158	-0,028	3,5000	1.332,088	6,4000	1.331,943				
8					-6,4000	1.332,289	-3,5000	1.332,434	1.332,450	1.332,504	-0,054	3,5000	1.332,434	6,4000	1.332,289				
8+20,000					-6,4000	1.332,616	-3,5000	1.332,761	1.332,758	1.332,831	-0,073	3,5000	1.332,761	6,4000	1.332,616				
8+40,000					-6,4000	1.332,924	-3,5000	1.333,069	1.333,049	1.333,139	-0,090	3,5000	1.333,069	6,4000	1.332,924				
8+60,000					-6,4000	1.333,214	-3,5000	1.333,359	1.333,316	1.333,429	-0,113	3,5000	1.333,359	6,4000	1.333,214				
8+80,000					-6,4000	1.333,486	-3,5000	1.333,631	1.333,526	1.333,701	-0,175	3,5000	1.333,631	6,4000	1.333,486				
8+100,000					-6,4000	1.333,738	-3,5000	1.333,883	1.333,708	1.333,953	-0,245	3,5000	1.333,883	6,4000	1.333,738				
8+120,000					-6,4000	1.333,973	-3,5000	1.334,118	1.333,932	1.334,188	-0,256	3,5000	1.334,118	6,4000	1.333,973				
8+140,000					-6,4000	1.334,188	-3,5000	1.334,333	1.334,114	1.334,403	-0,289	3,5000	1.334,333	6,4000	1.334,188				
8+160,000					-6,4000	1.334,385	-3,5000	1.334,530	1.334,308	1.334,600	-0,292	3,5000	1.334,530	6,4000	1.334,385				
8+180,000					-6,4000	1.334,564	-3,5000	1.334,709	1.334,409	1.334,779	-0,370	3,5000	1.334,709	6,4000	1.334,564				
8+200,000					-6,4000	1.334,724	-3,5000	1.334,869	1.334,595	1.334,939	-0,344	3,5000	1.334,869	6,4000	1.334,724				
8+210,000					-6,4000	1.334,797	-3,5000	1.334,942	1.334,687	1.335,012	-0,325	3,5000	1.334,942	6,4000	1.334,797				
8+220,000					-6,4000	1.334,867	-3,5000	1.335,012	1.334,767	1.335,082	-0,315	3,5000	1.335,012	6,4000	1.334,867				
8+240,000					-6,4000	1.335,009	-3,5000	1.335,154	1.334,971	1.335,224	-0,253	3,5000	1.335,154	6,4000	1.335,009				
8+260,000					-6,4000	1.335,150	-3,5000	1.335,295	1.335,192	1.335,365	-0,173	3,5000	1.335,295	6,4000	1.335,150				
8+280,000					-6,4000	1.335,291	-3,5000	1.335,436	1.335,356	1.335,506	-0,150	3,5000	1.335,436	6,4000	1.335,291				
8+300,000					-6,4000	1.335,433	-3,5000	1.335,578	1.335,023	1.335,648	-0,625	3,5000	1.335,578	6,4000	1.335,432				
8+320,000					-6,4000	1.335,574	-3,5000	1.335,719	1.334,845	1.335,789	-0,944	3,5000	1.335,719	6,4000	1.335,574				
8+340,000					-6,4000	1.335,715	-3,5000	1.335,860	1.334,950	1.335,930	-0,980	3,5000	1.335,860	6,4000	1.335,715				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
8+360,000					-6,4000	1.335,856	-3,5000	1.336,001	1.335,128	1.336,071	-0,943	3,5000	1.336,001	6,4000	1.335,856				
8+380,000					-6,4000	1.335,998	-3,5000	1.336,143	1.335,298	1.336,213	-0,915	3,5000	1.336,143	6,4000	1.335,998				
8+400,000					-6,4000	1.336,139	-3,5000	1.336,284	1.335,677	1.336,354	-0,677	3,5000	1.336,284	6,4000	1.336,139				
8+420,000					-6,4000	1.336,280	-3,5000	1.336,425	1.336,533	1.336,495	0,038	3,5000	1.336,425	6,4000	1.336,280				
8+440,000					-6,4000	1.336,421	-3,5000	1.336,567	1.336,858	1.336,637	0,221	3,5000	1.336,567	6,4000	1.336,421				
8+460,000					-6,4000	1.336,551	-3,5000	1.336,696	1.337,011	1.336,766	0,245	3,5000	1.336,696	6,4000	1.336,551				
8+480,000					-6,4000	1.336,656	-3,5000	1.336,801	1.337,094	1.336,871	0,223	3,5000	1.336,801	6,4000	1.336,656				
8+500,000					-6,4000	1.336,737	-3,5000	1.336,882	1.337,128	1.336,952	0,176	3,5000	1.336,882	6,4000	1.336,737				
8+520,000					-6,4000	1.336,793	-3,5000	1.336,938	1.337,216	1.337,008	0,208	3,5000	1.336,938	6,4000	1.336,793				
8+540,000					-6,4000	1.336,826	-3,5000	1.336,971	1.337,277	1.337,041	0,236	3,5000	1.336,971	6,4000	1.336,826				
8+560,000					-6,4000	1.336,834	-3,5000	1.336,979	1.337,221	1.337,049	0,172	3,5000	1.336,979	6,4000	1.336,834				
8+580,000					-6,4000	1.336,818	-3,5000	1.336,963	1.337,193	1.337,033	0,160	3,5000	1.336,963	6,4000	1.336,818				
8+600,000					-6,4000	1.336,778	-3,5000	1.336,923	1.337,244	1.336,993	0,251	3,5000	1.336,923	6,4000	1.336,778				
8+620,000					-6,4000	1.336,714	-3,5000	1.336,859	1.337,059	1.336,929	0,130	3,5000	1.336,859	6,4000	1.336,714				
8+640,000					-6,4000	1.336,625	-3,5000	1.336,770	1.336,963	1.336,840	0,123	3,5000	1.336,770	6,4000	1.336,625				
8+660,000					-6,4000	1.336,525	-3,5000	1.336,670	1.336,859	1.336,740	0,119	3,5000	1.336,670	6,4000	1.336,525				
8+680,000					-6,4000	1.336,424	-3,5000	1.336,569	1.336,731	1.336,639	0,092	3,5000	1.336,569	6,4000	1.336,424				
8+700,000					-6,4000	1.336,324	-3,5000	1.336,469	1.336,747	1.336,539	0,208	3,5000	1.336,469	6,4000	1.336,323				
8+720,000					-6,4000	1.336,223	-3,5000	1.336,368	1.336,684	1.336,438	0,246	3,5000	1.336,368	6,4000	1.336,223				
8+740,000					-6,4000	1.336,122	-3,5000	1.336,267	1.336,502	1.336,337	0,165	3,5000	1.336,267	6,4000	1.336,122				
8+760,000					-6,4000	1.336,022	-3,5000	1.336,167	1.336,341	1.336,237	0,104	3,5000	1.336,167	6,4000	1.336,022				
8+780,000					-6,4000	1.335,921	-3,5000	1.336,066	1.336,279	1.336,136	0,143	3,5000	1.336,066	6,4000	1.335,921				
8+800,000					-6,4000	1.335,821	-3,5000	1.335,966	1.336,150	1.336,036	0,114	3,5000	1.335,966	6,4000	1.335,821				
8+820,000					-6,4000	1.335,720	-3,5000	1.335,865	1.336,067	1.335,935	0,132	3,5000	1.335,865	6,4000	1.335,720				
8+840,000					-6,4000	1.335,620	-3,5000	1.335,765	1.335,947	1.335,835	0,112	3,5000	1.335,765	6,4000	1.335,620				
8+860,000					-6,4000	1.335,519	-3,5000	1.335,664	1.335,845	1.335,734	0,111	3,5000	1.335,664	6,4000	1.335,519				
8+880,000					-6,4000	1.335,418	-3,5000	1.335,564	1.335,786	1.335,634	0,152	3,5000	1.335,564	6,4000	1.335,418				
8+900,000					-6,4000	1.335,318	-3,5000	1.335,463	1.335,664	1.335,533	0,131	3,5000	1.335,463	6,4000	1.335,318				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM

DF-220-TP-R01



ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
8+920,000					-6,4000	1.335,217	-3,5000	1.335,362	1.335,566	1.335,432	0,134	3,5000	1.335,362	6,4000	1.335,217				
8+940,000					-6,4000	1.335,117	-3,5000	1.335,262	1.335,527	1.335,332	0,195	3,5000	1.335,262	6,4000	1.335,117				
8+960,000					-6,4000	1.335,004	-3,5000	1.335,149	1.335,374	1.335,219	0,155	3,5000	1.335,149	6,4000	1.335,004				
8+980,000					-6,4000	1.334,866	-3,5000	1.335,011	1.335,187	1.335,081	0,106	3,5000	1.335,011	6,4000	1.334,866				
9					-6,4000	1.334,702	-3,5000	1.334,847	1.334,981	1.334,917	0,064	3,5000	1.334,847	6,4000	1.334,702				
9+20,000					-6,4000	1.334,514	-3,5000	1.334,659	1.334,779	1.334,729	0,050	3,5000	1.334,659	6,4000	1.334,514				
9+40,000					-6,4000	1.334,300	-3,5000	1.334,445	1.334,590	1.334,515	0,075	3,5000	1.334,445	6,4000	1.334,300				
9+60,000					-6,4000	1.334,062	-3,5000	1.334,207	1.334,331	1.334,277	0,054	3,5000	1.334,207	6,4000	1.334,062				
9+80,000					-6,4000	1.333,798	-3,5000	1.333,943	1.334,025	1.334,013	0,012	3,5000	1.333,943	6,4000	1.333,798				
9+100,000					-6,4000	1.333,509	-3,5000	1.333,654	1.333,735	1.333,724	0,011	3,5000	1.333,654	6,4000	1.333,509				
9+120,000					-6,4000	1.333,196	-3,5000	1.333,341	1.333,437	1.333,411	0,026	3,5000	1.333,341	6,4000	1.333,196				
9+140,000					-6,4000	1.332,857	-3,5000	1.333,002	1.333,127	1.333,072	0,055	3,5000	1.333,002	6,4000	1.332,857				
9+160,000					-6,4000	1.332,493	-3,5000	1.332,638	1.332,749	1.332,708	0,041	3,5000	1.332,638	6,4000	1.332,493				
9+180,000					-6,4000	1.332,103	-3,5000	1.332,248	1.332,299	1.332,318	-0,019	3,5000	1.332,248	6,4000	1.332,103				
9+200,000					-6,4000	1.331,689	-3,5000	1.331,834	1.331,974	1.331,904	0,070	3,5000	1.331,834	6,4000	1.331,689				
9+220,000					-6,4000	1.331,250	-3,5000	1.331,395	1.331,594	1.331,465	0,129	3,5000	1.331,395	6,4000	1.331,250				
9+240,000					-6,4000	1.330,798	-3,5000	1.330,943	1.331,146	1.331,013	0,133	3,5000	1.330,943	6,4000	1.330,798				
9+260,000					-6,4000	1.330,346	-3,5000	1.330,491	1.330,688	1.330,561	0,127	3,5000	1.330,491	6,4000	1.330,346				
9+280,000					-6,4000	1.329,894	-3,5000	1.330,039	1.330,267	1.330,109	0,158	3,5000	1.330,039	6,4000	1.329,894				
9+300,000					-6,4000	1.329,442	-3,5000	1.329,587	1.329,876	1.329,657	0,219	3,5000	1.329,587	6,4000	1.329,442				
9+320,000					-6,4000	1.328,991	-3,5000	1.329,136	1.329,522	1.329,206	0,316	3,5000	1.329,136	6,4000	1.328,990				
9+340,000					-6,4000	1.328,539	-3,5000	1.328,684	1.328,928	1.328,754	0,174	3,5000	1.328,684	6,4000	1.328,539				
9+360,000					-6,4000	1.328,087	-3,5000	1.328,232	1.328,544	1.328,302	0,242	3,5000	1.328,232	6,4000	1.328,087				
9+380,000					-6,4000	1.327,635	-3,5000	1.327,780	1.328,028	1.327,850	0,178	3,5000	1.327,780	6,4000	1.327,635				
9+400,000					-6,4000	1.327,183	-3,5000	1.327,328	1.327,607	1.327,398	0,209	3,5000	1.327,328	6,4000	1.327,183				
9+420,000					-6,4000	1.326,731	-3,5000	1.326,876	1.327,166	1.326,946	0,220	3,5000	1.326,876	6,4000	1.326,731				
9+440,000					-6,4000	1.326,279	-3,5000	1.326,424	1.326,720	1.326,494	0,226	3,5000	1.326,424	6,4000	1.326,279				
9+460,000					-6,4000	1.325,827	-3,5000	1.325,972	1.326,319	1.326,042	0,277	3,5000	1.325,972	6,4000	1.325,827				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
9+480,000					-6,4000	1.325,376	-3,5000	1.325,521	1.325,848	1.325,591	0,257	3,5000	1.325,521	6,4000	1.325,375				
9+500,000					-6,4000	1.324,924	-3,5000	1.325,069	1.325,349	1.325,139	0,210	3,5000	1.325,069	6,4000	1.324,924				
9+520,000					-6,4000	1.324,472	-3,5000	1.324,617	1.324,885	1.324,687	0,198	3,5000	1.324,617	6,4000	1.324,472				
9+540,000					-6,4000	1.324,020	-3,5000	1.324,165	1.324,398	1.324,235	0,163	3,5000	1.324,165	6,4000	1.324,020				
9+560,000					-6,4000	1.323,568	-3,5000	1.323,713	1.323,798	1.323,783	0,015	3,5000	1.323,713	6,4000	1.323,568				
9+580,000					-6,4000	1.323,116	-3,5000	1.323,261	1.323,455	1.323,331	0,124	3,5000	1.323,261	6,4000	1.323,116				
9+600,000					-6,4000	1.322,664	-3,5000	1.322,809	1.323,038	1.322,879	0,159	3,5000	1.322,809	6,4000	1.322,664				
9+620,000					-6,4000	1.322,212	-3,5000	1.322,357	1.322,607	1.322,427	0,180	3,5000	1.322,357	6,4000	1.322,212				
9+640,000					-6,4000	1.321,761	-3,5000	1.321,906	1.322,166	1.321,976	0,190	3,5000	1.321,906	6,4000	1.321,761				
9+660,000					-6,4000	1.321,309	-3,5000	1.321,454	1.321,668	1.321,524	0,144	3,5000	1.321,454	6,4000	1.321,309				
9+680,000					-6,4000	1.320,857	-3,5000	1.321,002	1.321,217	1.321,072	0,145	3,5000	1.321,002	6,4000	1.320,857				
9+700,000					-6,4000	1.320,405	-3,5000	1.320,550	1.320,795	1.320,620	0,175	3,5000	1.320,550	6,4000	1.320,405				
9+720,000					-6,4000	1.319,953	-3,5000	1.320,098	1.320,334	1.320,168	0,166	3,5000	1.320,098	6,4000	1.319,953				
9+740,000					-6,4000	1.319,501	-3,5000	1.319,646	1.319,854	1.319,716	0,138	3,5000	1.319,646	6,4000	1.319,501				
9+760,000					-6,4000	1.319,049	-3,5000	1.319,194	1.319,423	1.319,264	0,159	3,5000	1.319,194	6,4000	1.319,049				
9+780,000					-6,4000	1.318,597	-3,5000	1.318,742	1.319,064	1.318,812	0,252	3,5000	1.318,742	6,4000	1.318,597				
9+800,000					-6,4000	1.318,146	-3,5000	1.318,291	1.318,571	1.318,361	0,210	3,5000	1.318,291	6,4000	1.318,146				
9+820,000					-6,4000	1.317,694	-3,5000	1.317,839	1.318,143	1.317,909	0,234	3,5000	1.317,839	6,4000	1.317,694				
9+840,000					-6,4000	1.317,242	-3,5000	1.317,387	1.317,657	1.317,457	0,200	3,5000	1.317,387	6,4000	1.317,242				
9+860,000					-6,4000	1.316,790	-3,5000	1.316,935	1.317,198	1.317,005	0,193	3,5000	1.316,935	6,4000	1.316,790				
9+880,000					-6,4000	1.316,338	-3,5000	1.316,483	1.316,778	1.316,553	0,225	3,5000	1.316,483	6,4000	1.316,338				
9+900,000					-6,4000	1.315,886	-3,5000	1.316,031	1.316,340	1.316,101	0,239	3,5000	1.316,031	6,4000	1.315,886				
9+920,000					-6,4000	1.315,434	-3,5000	1.315,579	1.315,852	1.315,649	0,203	3,5000	1.315,579	6,4000	1.315,434				
9+940,000					-6,4000	1.314,983	-3,5000	1.315,128	1.315,382	1.315,198	0,184	3,5000	1.315,128	6,4000	1.314,982				
9+960,000					-6,4000	1.314,531	-3,5000	1.314,676	1.314,908	1.314,746	0,162	3,5000	1.314,676	6,4000	1.314,531				
9+980,000					-6,4000	1.314,079	-3,5000	1.314,224	1.314,504	1.314,294	0,210	3,5000	1.314,224	6,4000	1.314,079				
10					-6,4000	1.313,627	-3,5000	1.313,772	1.314,080	1.313,842	0,238	3,5000	1.313,772	6,4000	1.313,627				
10+20,000					-6,4000	1.313,175	-3,5000	1.313,320	1.313,649	1.313,390	0,259	3,5000	1.313,320	6,4000	1.313,175				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
10+40,000					-6,4000	1.312,723	-3,5000	1.312,868	1.313,200	1.312,938	0,262	3,5000	1.312,868	6,4000	1.312,723				
10+60,000					-6,4000	1.312,271	-3,5000	1.312,416	1.312,740	1.312,486	0,254	3,5000	1.312,416	6,4000	1.312,271				
10+80,000					-6,4000	1.311,819	-3,5000	1.311,964	1.312,299	1.312,034	0,265	3,5000	1.311,964	6,4000	1.311,819				
10+100,000					-6,4000	1.311,367	-3,5000	1.311,513	1.311,859	1.311,583	0,276	3,5000	1.311,513	6,4000	1.311,367				
10+120,000					-6,4000	1.310,916	-3,5000	1.311,061	1.311,384	1.311,131	0,253	3,5000	1.311,061	6,4000	1.310,916				
10+140,000					-6,4000	1.310,464	-3,5000	1.310,609	1.311,034	1.310,679	0,355	3,5000	1.310,609	6,4000	1.310,464				
10+160,000					-6,4000	1.310,012	-3,5000	1.310,157	1.310,522	1.310,227	0,295	3,5000	1.310,157	6,4000	1.310,012				
10+180,000					-6,4000	1.309,560	-3,5000	1.309,705	1.310,073	1.309,775	0,298	3,5000	1.309,705	6,4000	1.309,560				
10+200,000					-6,4000	1.309,108	-3,5000	1.309,253	1.309,626	1.309,323	0,303	3,5000	1.309,253	6,4000	1.309,108				
10+220,000					-6,4000	1.308,656	-3,5000	1.308,801	1.309,169	1.308,871	0,298	3,5000	1.308,801	6,4000	1.308,656				
10+240,000					-6,4000	1.308,204	-3,5000	1.308,349	1.308,700	1.308,419	0,281	3,5000	1.308,349	6,4000	1.308,204				
10+260,000					-6,4000	1.307,753	-3,5000	1.307,898	1.308,286	1.307,968	0,318	3,5000	1.307,898	6,4000	1.307,752				
10+280,000					-6,4000	1.307,301	-3,5000	1.307,446	1.307,825	1.307,516	0,309	3,5000	1.307,446	6,4000	1.307,301				
10+300,000					-6,4000	1.306,849	-3,5000	1.306,994	1.307,369	1.307,064	0,305	3,5000	1.306,994	6,4000	1.306,849				
10+320,000					-6,4000	1.306,397	-3,5000	1.306,542	1.306,900	1.306,612	0,288	3,5000	1.306,542	6,4000	1.306,397				
10+340,000					-6,4000	1.305,945	-3,5000	1.306,090	1.306,498	1.306,160	0,338	3,5000	1.306,090	6,4000	1.305,945				
10+360,000					-6,4000	1.305,493	-3,5000	1.305,638	1.306,082	1.305,708	0,374	3,5000	1.305,638	6,4000	1.305,493				
10+380,000					-6,4000	1.305,041	-3,5000	1.305,186	1.305,658	1.305,256	0,402	3,5000	1.305,186	6,4000	1.305,041				
10+400,000					-6,4000	1.304,589	-3,5000	1.304,734	1.305,231	1.304,804	0,427	3,5000	1.304,734	6,4000	1.304,589				
10+420,000					-6,4000	1.304,138	-3,5000	1.304,283	1.304,795	1.304,353	0,442	3,5000	1.304,283	6,4000	1.304,138				
10+440,000					-6,4000	1.303,686	-3,5000	1.303,831	1.304,296	1.303,901	0,395	3,5000	1.303,831	6,4000	1.303,686				
10+460,000					-6,4000	1.303,234	-3,5000	1.303,379	1.303,803	1.303,449	0,354	3,5000	1.303,379	6,4000	1.303,234				
10+480,000					-6,4000	1.302,782	-3,5000	1.302,927	1.303,334	1.302,997	0,337	3,5000	1.302,927	6,4000	1.302,782				
10+500,000					-6,4000	1.302,330	-3,5000	1.302,475	1.302,874	1.302,545	0,329	3,5000	1.302,475	6,4000	1.302,330				
10+520,000					-6,4000	1.301,878	-3,5000	1.302,023	1.302,424	1.302,093	0,331	3,5000	1.302,023	6,4000	1.301,878				
10+540,000					-6,4000	1.301,426	-3,5000	1.301,571	1.301,945	1.301,641	0,304	3,5000	1.301,571	6,4000	1.301,426				
10+560,000					-6,4000	1.300,974	-3,5000	1.301,119	1.301,473	1.301,189	0,284	3,5000	1.301,119	6,4000	1.300,974				
10+580,000					-6,4000	1.300,523	-3,5000	1.300,668	1.301,031	1.300,738	0,293	3,5000	1.300,668	6,4000	1.300,523				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
10+600,000					-6,4000	1.300,071	-3,5000	1.300,216	1.300,615	1.300,286	0,329	3,5000	1.300,216	6,4000	1.300,071				
10+620,000					-6,4000	1.299,619	-3,5000	1.299,764	1.300,154	1.299,834	0,320	3,5000	1.299,764	6,4000	1.299,619				
10+640,000					-6,4000	1.299,167	-3,5000	1.299,312	1.299,711	1.299,382	0,329	3,5000	1.299,312	6,4000	1.299,167				
10+660,000					-6,4000	1.298,715	-3,5000	1.298,860	1.299,301	1.298,930	0,371	3,5000	1.298,860	6,4000	1.298,715				
10+680,000					-6,4000	1.298,263	-3,5000	1.298,408	1.298,868	1.298,478	0,390	3,5000	1.298,408	6,4000	1.298,263				
10+700,000					-6,4000	1.297,811	-3,5000	1.297,956	1.298,384	1.298,026	0,358	3,5000	1.297,956	6,4000	1.297,811				
10+720,000					-6,4000	1.297,359	-3,5000	1.297,504	1.297,945	1.297,574	0,371	3,5000	1.297,504	6,4000	1.297,359				
10+740,000					-6,4000	1.296,908	-3,5000	1.297,053	1.297,460	1.297,123	0,337	3,5000	1.297,053	6,4000	1.296,908				
10+760,000					-6,4000	1.296,456	-3,5000	1.296,601	1.297,021	1.296,671	0,350	3,5000	1.296,601	6,4000	1.296,456				
10+780,000					-6,4000	1.296,004	-3,5000	1.296,149	1.296,579	1.296,219	0,360	3,5000	1.296,149	6,4000	1.296,004				
10+800,000					-6,4000	1.295,552	-3,5000	1.295,697	1.296,144	1.295,767	0,377	3,5000	1.295,697	6,4000	1.295,552				
10+820,000					-6,4000	1.295,100	-3,5000	1.295,245	1.295,697	1.295,315	0,382	3,5000	1.295,245	6,4000	1.295,100				
10+840,000					-6,4000	1.294,648	-3,5000	1.294,793	1.295,232	1.294,863	0,369	3,5000	1.294,793	6,4000	1.294,648				
10+860,000					-6,4000	1.294,196	-3,5000	1.294,341	1.294,804	1.294,411	0,393	3,5000	1.294,341	6,4000	1.294,196				
10+880,000					-6,4000	1.293,745	-3,5000	1.293,890	1.294,170	1.293,960	0,210	3,5000	1.293,890	6,4000	1.293,744				
10+900,000					-6,4000	1.293,293	-3,5000	1.293,438	1.293,737	1.293,508	0,229	3,5000	1.293,438	6,4000	1.293,293				
10+920,000					-6,4000	1.292,841	-3,5000	1.292,986	1.293,273	1.293,056	0,217	3,5000	1.292,986	6,4000	1.292,841				
10+940,000					-6,4000	1.292,389	-3,5000	1.292,534	1.292,933	1.292,604	0,329	3,5000	1.292,534	6,4000	1.292,389				
10+960,000					-6,4000	1.291,937	-3,5000	1.292,082	1.292,571	1.292,152	0,419	3,5000	1.292,082	6,4000	1.291,937				
10+980,000					-6,4000	1.291,485	-3,5000	1.291,630	1.292,119	1.291,700	0,419	3,5000	1.291,630	6,4000	1.291,485				
10+994,136					-6,4000	1.291,253	-3,5000	1.291,311	1.291,827	1.291,381	0,446	3,5000	1.291,311	6,4000	1.291,166				
11					-6,4000	1.291,120	-3,5000	1.291,178	1.291,690	1.291,248	0,442	3,5000	1.291,178	6,4000	1.291,033				
11+20,000					-6,4000	1.290,668	-3,5000	1.290,726	1.291,188	1.290,796	0,392	3,5000	1.290,726	6,4000	1.290,581				
11+31,636					-6,4000	1.290,406	-3,5000	1.290,464	1.290,924	1.290,534	0,390	3,5000	1.290,464	6,4000	1.290,318				
11+40,000					-6,4000	1.290,217	-3,5000	1.290,275	1.290,734	1.290,345	0,389	3,5000	1.290,275	6,4000	1.290,129				
11+49,482					-6,4000	1.290,002	-3,5000	1.290,060	1.290,518	1.290,130	0,388	3,5000	1.290,060	6,4000	1.289,915				
11+54,136					-7,9000	1.289,894	-3,5000	1.289,967	1.290,414	1.290,025	0,389	3,5000	1.289,955	6,4000	1.289,810				
11+60,000					-7,9000	1.289,795	-3,5000	1.289,849	1.290,284	1.289,893	0,391	3,5000	1.289,823	6,4000	1.289,678				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM

DF-220-TP-R01



ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
11+77,068					-7,9000	1.289,507	-3,5000	1.289,507	1.289,897	1.289,507	0,390	3,5000	1.289,437	6,4000	1.289,292				
11+80,000					-7,9000	1.289,458	-3,5000	1.289,448	1.289,826	1.289,441	0,385	3,5000	1.289,371	6,4000	1.289,226				
11+84,136					-7,9000	1.289,388	-3,5000	1.289,365	1.289,727	1.289,347	0,380	3,5000	1.289,277	6,4000	1.289,132				
11+90,034					-7,9000	1.289,288	-3,5000	1.289,247	1.289,584	1.289,214	0,370	3,5000	1.289,144	6,4000	1.288,999				
11+100,000					-7,9000	1.289,120	-3,5000	1.289,047	1.289,341	1.288,989	0,352	3,5000	1.288,919	6,4000	1.288,774				
11+104,655					-7,9000	1.289,042	-3,5000	1.288,954	1.289,231	1.288,884	0,347	3,5000	1.288,814	6,4000	1.288,669				
11+117,068					-7,9000	1.288,833	-3,5000	1.288,705	1.288,979	1.288,604	0,376	3,5000	1.288,502	6,4000	1.288,357				
11+120,000					-7,9000	1.288,766	-3,5000	1.288,639	1.288,918	1.288,538	0,381	3,5000	1.288,436	6,4000	1.288,290				
11+121,968					-7,9000	1.288,722	-3,5000	1.288,594	1.288,874	1.288,493	0,382	3,5000	1.288,391	6,4000	1.288,246				
11+139,425					-6,4000	1.288,284	-3,5000	1.288,200	1.288,479	1.288,099	0,381	3,5000	1.287,997	6,4000	1.287,852				
11+140,000					-6,4000	1.288,271	-3,5000	1.288,187	1.288,466	1.288,086	0,381	3,5000	1.287,984	6,4000	1.287,839				
11+160,000					-6,4000	1.287,819	-3,5000	1.287,735	1.287,977	1.287,634	0,344	3,5000	1.287,532	6,4000	1.287,387				
11+180,000					-6,4000	1.287,367	-3,5000	1.287,283	1.287,510	1.287,182	0,329	3,5000	1.287,080	6,4000	1.286,935				
11+181,790					-6,4000	1.287,327	-3,5000	1.287,243	1.287,470	1.287,142	0,329	3,5000	1.287,040	6,4000	1.286,894				
11+200,000					-6,4000	1.286,715	-3,5000	1.286,831	1.287,052	1.286,730	0,323	3,5000	1.286,628	6,4000	1.286,483				
11+220,000					-6,4000	1.286,263	-3,5000	1.286,379	1.286,602	1.286,278	0,325	3,5000	1.286,176	6,4000	1.286,031				
11+240,000					-6,4000	1.285,811	-3,5000	1.285,927	1.286,004	1.285,826	0,179	3,5000	1.285,724	6,4000	1.285,579				
11+260,000					-6,4000	1.285,360	-3,5000	1.285,475	1.285,591	1.285,374	0,218	3,5000	1.285,272	6,4000	1.285,127				
11+280,000					-6,4000	1.284,908	-3,5000	1.285,024	1.285,181	1.284,923	0,259	3,5000	1.284,821	6,4000	1.284,676				
11+300,000					-6,4000	1.284,456	-3,5000	1.284,572	1.284,671	1.284,471	0,201	3,5000	1.284,369	6,4000	1.284,224				
11+320,000					-6,4000	1.284,004	-3,5000	1.284,120	1.284,160	1.284,019	0,142	3,5000	1.283,917	6,4000	1.283,772				
11+340,000					-6,4000	1.283,552	-3,5000	1.283,668	1.283,675	1.283,567	0,109	3,5000	1.283,465	6,4000	1.283,320				
11+360,000					-6,4000	1.283,100	-3,5000	1.283,216	1.283,212	1.283,115	0,098	3,5000	1.283,013	6,4000	1.282,868				
11+380,000					-6,4000	1.282,648	-3,5000	1.282,764	1.282,792	1.282,663	0,130	3,5000	1.282,561	6,4000	1.282,416				
11+400,000					-6,4000	1.282,196	-3,5000	1.282,312	1.282,315	1.282,211	0,105	3,5000	1.282,109	6,4000	1.281,964				
11+413,880					-6,4000	1.282,083	-3,5000	1.281,999	1.281,970	1.281,898	0,073	3,5000	1.281,796	6,4000	1.281,651				
11+420,000					-6,4000	1.281,945	-3,5000	1.281,860	1.281,826	1.281,759	0,068	3,5000	1.281,657	6,4000	1.281,512				
11+440,000					-6,4000	1.281,493	-3,5000	1.281,409	1.281,354	1.281,308	0,047	3,5000	1.281,206	6,4000	1.281,061				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
11+456,245					-6,4000	1.281,126	-3,5000	1.281,042	1.280,891	1.280,941	-0,050	3,5000	1.280,839	6,4000	1.280,694				
11+460,000					-6,4000	1.281,041	-3,5000	1.280,957	1.280,826	1.280,856	-0,030	3,5000	1.280,754	6,4000	1.280,609				
11+473,702					-7,9000	1.280,775	-3,5000	1.280,647	1.280,461	1.280,546	-0,085	3,5000	1.280,444	6,4000	1.280,299				
11+480,000					-7,9000	1.280,633	-3,5000	1.280,505	1.280,340	1.280,404	-0,064	3,5000	1.280,302	6,4000	1.280,157				
11+500,000					-7,9000	1.280,181	-3,5000	1.280,053	1.279,893	1.279,952	-0,059	3,5000	1.279,850	6,4000	1.279,705				
11+503,610					-7,9000	1.280,099	-3,5000	1.279,971	1.279,805	1.279,870	-0,065	3,5000	1.279,768	6,4000	1.279,623				
11+520,000					-7,9000	1.279,729	-3,5000	1.279,601	1.279,411	1.279,500	-0,089	3,5000	1.279,398	6,4000	1.279,253				
11+540,000					-7,9000	1.279,273	-3,5000	1.279,145	1.278,894	1.279,044	-0,150	3,5000	1.278,942	6,4000	1.278,797				
11+540,040					-7,9000	1.279,272	-3,5000	1.279,145	1.278,892	1.279,044	-0,152	3,5000	1.278,942	6,4000	1.278,796				
11+557,497					-6,4000	1.278,825	-3,5000	1.278,741	1.278,403	1.278,640	-0,237	3,5000	1.278,538	6,4000	1.278,393				
11+560,000					-6,4000	1.278,766	-3,5000	1.278,682	1.278,344	1.278,581	-0,237	3,5000	1.278,479	6,4000	1.278,334				
11+580,000					-6,4000	1.278,296	-3,5000	1.278,211	1.277,878	1.278,110	-0,232	3,5000	1.278,008	6,4000	1.277,863				
11+599,862					-6,4000	1.277,820	-3,5000	1.277,736	1.277,415	1.277,635	-0,220	3,5000	1.277,533	6,4000	1.277,388				
11+600,000					-6,4000	1.277,617	-3,5000	1.277,733	1.277,412	1.277,632	-0,220	3,5000	1.277,530	6,4000	1.277,385				
11+620,000					-6,4000	1.277,131	-3,5000	1.277,247	1.276,960	1.277,146	-0,186	3,5000	1.277,044	6,4000	1.276,899				
11+640,000					-6,4000	1.276,637	-3,5000	1.276,753	1.276,509	1.276,652	-0,143	3,5000	1.276,550	6,4000	1.276,405				
11+660,000					-6,4000	1.276,136	-3,5000	1.276,252	1.276,024	1.276,151	-0,127	3,5000	1.276,049	6,4000	1.275,904				
11+680,000					-6,4000	1.275,627	-3,5000	1.275,743	1.275,547	1.275,642	-0,095	3,5000	1.275,540	6,4000	1.275,395				
11+700,000					-6,4000	1.275,111	-3,5000	1.275,227	1.275,072	1.275,126	-0,054	3,5000	1.275,024	6,4000	1.274,879				
11+720,000					-6,4000	1.274,587	-3,5000	1.274,703	1.274,589	1.274,602	-0,013	3,5000	1.274,500	6,4000	1.274,355				
11+740,000					-6,4000	1.274,055	-3,5000	1.274,171	1.274,146	1.274,070	0,077	3,5000	1.273,968	6,4000	1.273,823				
11+760,000					-6,4000	1.273,516	-3,5000	1.273,632	1.273,611	1.273,531	0,081	3,5000	1.273,429	6,4000	1.273,284				
11+780,000					-6,4000	1.272,969	-3,5000	1.273,085	1.273,093	1.272,984	0,110	3,5000	1.272,882	6,4000	1.272,737				
11+800,000					-6,4000	1.272,415	-3,5000	1.272,531	1.272,526	1.272,430	0,097	3,5000	1.272,328	6,4000	1.272,183				
11+820,000					-6,4000	1.271,853	-3,5000	1.271,969	1.271,918	1.271,868	0,051	3,5000	1.271,766	6,4000	1.271,621				
11+840,000					-6,4000	1.271,284	-3,5000	1.271,400	1.271,454	1.271,299	0,156	3,5000	1.271,197	6,4000	1.271,052				
11+860,000					-6,4000	1.270,707	-3,5000	1.270,823	1.270,841	1.270,722	0,120	3,5000	1.270,620	6,4000	1.270,474				
11+880,000					-6,4000	1.270,122	-3,5000	1.270,238	1.270,255	1.270,137	0,119	3,5000	1.270,035	6,4000	1.269,890				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
11+900,000					-6,4000	1.269,530	-3,5000	1.269,646	1.269,679	1.269,545	0,135	3,5000	1.269,443	6,4000	1.269,297				
11+920,000					-6,4000	1.268,930	-3,5000	1.269,046	1.269,097	1.268,945	0,153	3,5000	1.268,843	6,4000	1.268,698				
11+940,000					-6,4000	1.268,326	-3,5000	1.268,442	1.268,438	1.268,341	0,098	3,5000	1.268,239	6,4000	1.268,094				
11+960,000					-6,4000	1.267,722	-3,5000	1.267,838	1.267,786	1.267,737	0,050	3,5000	1.267,635	6,4000	1.267,490				
11+980,000					-6,4000	1.267,119	-3,5000	1.267,235	1.267,201	1.267,134	0,068	3,5000	1.267,032	6,4000	1.266,887				
12					-6,4000	1.266,515	-3,5000	1.266,631	1.266,679	1.266,530	0,150	3,5000	1.266,428	6,4000	1.266,283				
12+20,000					-6,4000	1.265,911	-3,5000	1.266,027	1.266,035	1.265,926	0,110	3,5000	1.265,824	6,4000	1.265,679				
12+40,000					-6,4000	1.265,308	-3,5000	1.265,424	1.265,420	1.265,323	0,098	3,5000	1.265,221	6,4000	1.265,076				
12+60,000					-6,4000	1.264,704	-3,5000	1.264,820	1.264,787	1.264,719	0,069	3,5000	1.264,617	6,4000	1.264,472				
12+80,000					-6,4000	1.264,100	-3,5000	1.264,216	1.264,158	1.264,115	0,044	3,5000	1.264,013	6,4000	1.263,868				
12+100,000					-6,4000	1.263,497	-3,5000	1.263,613	1.263,569	1.263,512	0,058	3,5000	1.263,410	6,4000	1.263,264				
12+120,000					-6,4000	1.262,893	-3,5000	1.263,009	1.262,994	1.262,908	0,087	3,5000	1.262,806	6,4000	1.262,661				
12+140,000					-6,4000	1.262,289	-3,5000	1.262,405	1.262,363	1.262,304	0,060	3,5000	1.262,202	6,4000	1.262,057				
12+160,000					-6,4000	1.261,686	-3,5000	1.261,802	1.261,729	1.261,701	0,029	3,5000	1.261,599	6,4000	1.261,453				
12+180,000					-6,4000	1.261,082	-3,5000	1.261,198	1.261,074	1.261,097	-0,023	3,5000	1.260,995	6,4000	1.260,850				
12+200,000					-6,4000	1.260,478	-3,5000	1.260,594	1.260,489	1.260,493	-0,004	3,5000	1.260,391	6,4000	1.260,246				
12+219,011					-6,4000	1.259,844	-3,5000	1.259,989	1.259,936	1.259,919	0,017	3,5000	1.259,849	6,4000	1.259,704				
12+220,000					-6,4000	1.259,811	-3,5000	1.259,957	1.259,906	1.259,889	0,017	3,5000	1.259,819	6,4000	1.259,674				
12+233,632					-6,4000	1.259,365	-3,5000	1.259,510	1.259,478	1.259,478	0,000	3,5000	1.259,408	6,4000	1.259,262				
12+240,000					-6,4000	1.259,157	-3,5000	1.259,302	1.259,262	1.259,285	-0,023	3,5000	1.259,215	6,4000	1.259,070				
12+246,597					-6,4000	1.258,941	-3,5000	1.259,086	1.259,048	1.259,086	-0,038	3,5000	1.259,016	6,4000	1.258,871				
12+260,000					-6,4000	1.258,503	-3,5000	1.258,648	1.258,643	1.258,682	-0,039	3,5000	1.258,612	6,4000	1.258,467				
12+274,183					-6,4000	1.258,038	-3,5000	1.258,184	1.258,266	1.258,254	0,012	3,5000	1.258,184	6,4000	1.258,038				
12+280,000					-6,4000	1.257,863	-3,5000	1.258,008	1.258,130	1.258,078	0,052	3,5000	1.258,008	6,4000	1.257,863				
12+300,000					-6,4000	1.257,259	-3,5000	1.257,404	1.257,526	1.257,474	0,052	3,5000	1.257,404	6,4000	1.257,259				
12+320,000					-6,4000	1.256,656	-3,5000	1.256,801	1.256,871	1.256,871	0,000	3,5000	1.256,801	6,4000	1.256,656				
12+340,000					-6,4000	1.256,052	-3,5000	1.256,197	1.256,279	1.256,267	0,012	3,5000	1.256,197	6,4000	1.256,052				
12+360,000					-6,4000	1.255,448	-3,5000	1.255,593	1.255,646	1.255,663	-0,017	3,5000	1.255,593	6,4000	1.255,448				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
12+380,000					-6,4000	1.254,845	-3,5000	1.254,990	1.254,972	1.255,060	-0,088	3,5000	1.254,990	6,4000	1.254,845				
12+400,000					-6,4000	1.254,241	-3,5000	1.254,386	1.254,423	1.254,456	-0,033	3,5000	1.254,386	6,4000	1.254,241				
12+420,000					-6,4000	1.253,637	-3,5000	1.253,782	1.253,760	1.253,852	-0,092	3,5000	1.253,782	6,4000	1.253,637				
12+440,000					-6,4000	1.253,034	-3,5000	1.253,179	1.253,233	1.253,249	-0,016	3,5000	1.253,179	6,4000	1.253,034				
12+460,000					-6,4000	1.252,484	-3,5000	1.252,629	1.252,716	1.252,699	0,017	3,5000	1.252,629	6,4000	1.252,483				
12+480,000					-6,4000	1.252,041	-3,5000	1.252,186	1.252,228	1.252,256	-0,028	3,5000	1.252,186	6,4000	1.252,041				
12+500,000					-6,4000	1.251,705	-3,5000	1.251,850	1.251,955	1.251,920	0,035	3,5000	1.251,850	6,4000	1.251,705				
12+520,000					-6,4000	1.251,477	-3,5000	1.251,622	1.251,862	1.251,692	0,170	3,5000	1.251,622	6,4000	1.251,477				
12+540,000					-6,4000	1.251,356	-3,5000	1.251,501	1.251,716	1.251,571	0,145	3,5000	1.251,501	6,4000	1.251,356				
12+560,000					-6,4000	1.251,342	-3,5000	1.251,487	1.251,720	1.251,557	0,163	3,5000	1.251,487	6,4000	1.251,342				
12+580,000					-6,4000	1.251,435	-3,5000	1.251,580	1.251,779	1.251,650	0,129	3,5000	1.251,580	6,4000	1.251,435				
12+600,000					-6,4000	1.251,636	-3,5000	1.251,781	1.251,944	1.251,851	0,093	3,5000	1.251,781	6,4000	1.251,636				
12+620,000					-6,4000	1.251,944	-3,5000	1.252,089	1.252,234	1.252,159	0,075	3,5000	1.252,089	6,4000	1.251,944				
12+640,000					-6,4000	1.252,359	-3,5000	1.252,504	1.252,715	1.252,574	0,141	3,5000	1.252,504	6,4000	1.252,359				
12+660,000					-6,4000	1.252,827	-3,5000	1.252,972	1.253,141	1.253,042	0,099	3,5000	1.252,972	6,4000	1.252,827				
12+680,000					-6,4000	1.253,296	-3,5000	1.253,441	1.253,632	1.253,511	0,121	3,5000	1.253,441	6,4000	1.253,296				
12+700,000					-6,4000	1.253,765	-3,5000	1.253,910	1.254,124	1.253,980	0,144	3,5000	1.253,910	6,4000	1.253,765				
12+720,000					-6,4000	1.254,234	-3,5000	1.254,379	1.254,590	1.254,449	0,141	3,5000	1.254,379	6,4000	1.254,234				
12+740,000					-6,4000	1.254,702	-3,5000	1.254,847	1.255,057	1.254,917	0,140	3,5000	1.254,847	6,4000	1.254,702				
12+760,000					-6,4000	1.255,171	-3,5000	1.255,316	1.255,840	1.255,386	0,454	3,5000	1.255,316	6,4000	1.255,171				
12+780,000					-6,4000	1.255,640	-3,5000	1.255,785	1.256,126	1.255,855	0,271	3,5000	1.255,785	6,4000	1.255,640				
12+800,000					-6,4000	1.256,108	-3,5000	1.256,253	1.256,610	1.256,323	0,287	3,5000	1.256,253	6,4000	1.256,108				
12+820,000					-6,4000	1.256,577	-3,5000	1.256,722	1.257,053	1.256,792	0,261	3,5000	1.256,722	6,4000	1.256,577				
12+840,000					-6,4000	1.257,046	-3,5000	1.257,191	1.257,511	1.257,261	0,250	3,5000	1.257,191	6,4000	1.257,046				
12+860,000					-6,4000	1.257,515	-3,5000	1.257,660	1.257,983	1.257,730	0,253	3,5000	1.257,660	6,4000	1.257,514				
12+880,000					-6,4000	1.257,983	-3,5000	1.258,128	1.258,438	1.258,198	0,240	3,5000	1.258,128	6,4000	1.257,983				
12+900,000					-6,4000	1.258,452	-3,5000	1.258,597	1.258,921	1.258,667	0,254	3,5000	1.258,597	6,4000	1.258,452				
12+920,000					-6,4000	1.258,921	-3,5000	1.259,066	1.259,378	1.259,136	0,242	3,5000	1.259,066	6,4000	1.258,921				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
12+940,000					-6,4000	1.259,389	-3,5000	1.259,534	1.259,780	1.259,604	0,176	3,5000	1.259,534	6,4000	1.259,389				
12+960,000					-6,4000	1.259,858	-3,5000	1.260,003	1.260,263	1.260,073	0,190	3,5000	1.260,003	6,4000	1.259,858				
12+980,000					-6,4000	1.260,327	-3,5000	1.260,472	1.260,724	1.260,542	0,182	3,5000	1.260,472	6,4000	1.260,327				
13	-14,1500	1.259,760	-8,1500	1.260,760	-6,4000	1.260,795	-3,5000	1.260,941	1.261,178	1.261,011	0,167	3,5000	1.260,941	6,4000	1.260,795				
13+20,000	-14,1500	1.260,229	-8,1500	1.261,229	-6,4000	1.261,264	-3,5000	1.261,409	1.261,641	1.261,479	0,162	3,5000	1.261,409	6,4000	1.261,264				
13+40,000	-14,1500	1.260,698	-8,1500	1.261,698	-6,4000	1.261,733	-3,5000	1.261,878	1.262,181	1.261,948	0,233	3,5000	1.261,878	6,4000	1.261,733				
13+60,000	-14,1500	1.261,167	-8,1500	1.262,167	-6,4000	1.262,202	-3,5000	1.262,347	1.262,644	1.262,417	0,227	3,5000	1.262,347	6,4000	1.262,202				
13+80,000	-14,1500	1.261,635	-8,1500	1.262,635	-6,4000	1.262,670	-3,5000	1.262,815	1.263,099	1.262,885	0,214	3,5000	1.262,815	6,4000	1.262,670				
13+100,000	-14,1500	1.262,104	-8,1500	1.263,104	-6,4000	1.263,139	-3,5000	1.263,284	1.263,567	1.263,354	0,213	3,5000	1.263,284	6,4000	1.263,139				
13+120,000	-14,1500	1.262,573	-8,1500	1.263,573	-6,4000	1.263,608	-3,5000	1.263,753	1.264,054	1.263,823	0,231	3,5000	1.263,753	6,4000	1.263,608				
13+140,000	-14,1500	1.263,041	-8,1500	1.264,041	-6,4000	1.264,076	-3,5000	1.264,221	1.264,549	1.264,291	0,258	3,5000	1.264,221	6,4000	1.264,076				
13+160,000	-14,1500	1.263,510	-8,1500	1.264,510	-6,4000	1.264,545	-3,5000	1.264,690	1.265,030	1.264,760	0,270	3,5000	1.264,690	6,4000	1.264,545				
13+180,000	-14,1500	1.263,979	-8,1500	1.264,979	-6,4000	1.265,014	-3,5000	1.265,159	1.265,475	1.265,229	0,246	3,5000	1.265,159	6,4000	1.265,014				
13+200,000	-14,1500	1.264,448	-8,1500	1.265,448	-6,4000	1.265,483	-3,5000	1.265,628	1.265,887	1.265,698	0,189	3,5000	1.265,628	6,4000	1.265,483				
13+220,000	-14,1500	1.264,916	-8,1500	1.265,916	-6,4000	1.265,951	-3,5000	1.266,096	1.266,346	1.266,166	0,180	3,5000	1.266,096	6,4000	1.265,951				
13+240,000	-14,1500	1.265,385	-8,1500	1.266,385	-6,4000	1.266,420	-3,5000	1.266,565	1.266,842	1.266,635	0,207	3,5000	1.266,565	6,4000	1.266,420				
13+260,000	-14,1500	1.265,854	-8,1500	1.266,854	-6,4000	1.266,889	-3,5000	1.267,034	1.267,314	1.267,104	0,210	3,5000	1.267,034	6,4000	1.266,889				
13+280,000	-14,1500	1.266,322	-8,1500	1.267,322	-6,4000	1.267,357	-3,5000	1.267,502	1.267,923	1.267,572	0,351	3,5000	1.267,502	6,4000	1.267,357				
13+300,000	-14,1500	1.266,791	-8,1500	1.267,791	-6,4000	1.267,826	-3,5000	1.267,971	1.268,400	1.268,041	0,359	3,5000	1.267,971	6,4000	1.267,826				
13+320,000	-14,1500	1.267,260	-8,1500	1.268,260	-6,4000	1.268,295	-3,5000	1.268,440	1.268,812	1.268,510	0,302	3,5000	1.268,440	6,4000	1.268,295				
13+340,000	-14,1500	1.267,729	-8,1500	1.268,729	-6,4000	1.268,764	-3,5000	1.268,909	1.269,296	1.268,979	0,317	3,5000	1.268,909	6,4000	1.268,763				
13+360,000	-14,1500	1.268,197	-8,1500	1.269,197	-6,4000	1.269,232	-3,5000	1.269,377	1.269,830	1.269,447	0,383	3,5000	1.269,377	6,4000	1.269,232				
13+380,000	-14,1500	1.268,666	-8,1500	1.269,666	-6,4000	1.269,701	-3,5000	1.269,846	1.270,207	1.269,916	0,291	3,5000	1.269,846	6,4000	1.269,701				
13+400,000	-14,1500	1.269,135	-8,1500	1.270,135	-6,4000	1.270,170	-3,5000	1.270,315	1.270,639	1.270,385	0,254	3,5000	1.270,315	6,4000	1.270,170				
13+420,000	-14,1500	1.269,603	-8,1500	1.270,603	-6,4000	1.270,638	-3,5000	1.270,783	1.271,139	1.270,853	0,286	3,5000	1.270,783	6,4000	1.270,638				
13+440,000	-14,1500	1.270,063	-8,1500	1.271,063	-6,4000	1.271,098	-3,5000	1.271,243	1.271,579	1.271,313	0,266	3,5000	1.271,243	6,4000	1.271,098				
13+460,000	-14,1500	1.270,505	-8,1500	1.271,505	-6,4000	1.271,540	-3,5000	1.271,685	1.272,031	1.271,755	0,276	3,5000	1.271,685	6,4000	1.271,540				
13+480,000	-14,1500	1.270,928	-8,1500	1.271,928	-6,4000	1.271,963	-3,5000	1.272,108	1.272,504	1.272,178	0,326	3,5000	1.272,108	6,4000	1.271,963				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
13+500,000	-14,1500	1.271,334	-8,1500	1.272,334	-6,4000	1.272,369	-3,5000	1.272,514	1.272,882	1.272,584	0,298	3,5000	1.272,514	6,4000	1.272,368				
13+520,000	-14,1500	1.271,721	-8,1500	1.272,721	-6,4000	1.272,756	-3,5000	1.272,901	1.273,232	1.272,971	0,261	3,5000	1.272,901	6,4000	1.272,756				
13+540,000					-6,4000	1.273,125	-3,5000	1.273,270	1.273,739	1.273,340	0,399	3,5000	1.273,270	6,4000	1.273,125				
13+560,000					-6,4000	1.273,476	-3,5000	1.273,621	1.274,100	1.273,691	0,409	3,5000	1.273,621	6,4000	1.273,476				
13+580,000					-6,4000	1.273,809	-3,5000	1.273,954	1.274,368	1.274,024	0,344	3,5000	1.273,954	6,4000	1.273,809				
13+600,000					-6,4000	1.274,124	-3,5000	1.274,269	1.274,660	1.274,339	0,321	3,5000	1.274,269	6,4000	1.274,124				
13+620,000					-6,4000	1.274,421	-3,5000	1.274,566	1.275,000	1.274,636	0,364	3,5000	1.274,566	6,4000	1.274,421				
13+640,000					-6,4000	1.274,700	-3,5000	1.274,845	1.275,203	1.274,915	0,288	3,5000	1.274,845	6,4000	1.274,700				
13+660,000					-6,4000	1.274,961	-3,5000	1.275,106	1.275,403	1.275,176	0,227	3,5000	1.275,106	6,4000	1.274,961				
13+680,000					-6,4000	1.275,203	-3,5000	1.275,348	1.275,637	1.275,418	0,219	3,5000	1.275,348	6,4000	1.275,203				
13+700,000					-6,4000	1.275,428	-3,5000	1.275,573	1.275,808	1.275,643	0,165	3,5000	1.275,573	6,4000	1.275,428				
13+720,000					-6,4000	1.275,634	-3,5000	1.275,780	1.275,957	1.275,850	0,107	3,5000	1.275,780	6,4000	1.275,634				
13+740,000					-6,4000	1.275,823	-3,5000	1.275,968	1.276,114	1.276,038	0,076	3,5000	1.275,968	6,4000	1.275,823				
13+760,000					-6,4000	1.275,993	-3,5000	1.276,138	1.276,261	1.276,208	0,053	3,5000	1.276,138	6,4000	1.275,993				
13+780,000					-6,4000	1.276,145	-3,5000	1.276,290	1.276,376	1.276,360	0,016	3,5000	1.276,290	6,4000	1.276,145				
13+800,000					-6,4000	1.276,280	-3,5000	1.276,425	1.276,492	1.276,495	-0,003	3,5000	1.276,425	6,4000	1.276,280				
13+820,000					-6,4000	1.276,396	-3,5000	1.276,541	1.276,564	1.276,611	-0,047	3,5000	1.276,541	6,4000	1.276,396				
13+840,000					-6,4000	1.276,494	-3,5000	1.276,639	1.276,685	1.276,709	-0,024	3,5000	1.276,639	6,4000	1.276,494				
13+860,000					-6,4000	1.276,573	-3,5000	1.276,719	1.276,802	1.276,789	0,013	3,5000	1.276,719	6,4000	1.276,573				
13+880,000					-6,4000	1.276,635	-3,5000	1.276,780	1.276,881	1.276,850	0,031	3,5000	1.276,780	6,4000	1.276,635				
13+900,000					-6,4000	1.276,679	-3,5000	1.276,824	1.276,964	1.276,894	0,070	3,5000	1.276,824	6,4000	1.276,679				
13+920,000					-6,4000	1.276,705	-3,5000	1.276,850	1.277,032	1.276,920	0,112	3,5000	1.276,850	6,4000	1.276,705				
13+940,000					-6,4000	1.276,712	-3,5000	1.276,857	1.277,105	1.276,927	0,178	3,5000	1.276,857	6,4000	1.276,712				
13+960,000					-6,4000	1.276,702	-3,5000	1.276,847	1.277,141	1.276,917	0,224	3,5000	1.276,847	6,4000	1.276,702				
13+980,000					-6,4000	1.276,673	-3,5000	1.276,818	1.277,183	1.276,888	0,295	3,5000	1.276,818	6,4000	1.276,673				
14					-6,4000	1.276,626	-3,5000	1.276,771	1.277,117	1.276,841	0,276	3,5000	1.276,771	6,4000	1.276,626				
14+20,000					-6,4000	1.276,562	-3,5000	1.276,707	1.277,213	1.276,777	0,436	3,5000	1.276,707	6,4000	1.276,562				
14+40,000					-6,4000	1.276,479	-3,5000	1.276,624	1.277,219	1.276,694	0,525	3,5000	1.276,624	6,4000	1.276,479				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
14+60,000					-6,4000	1.276,378	-3,5000	1.276,523	1.277,076	1.276,593	0,483	3,5000	1.276,523	6,4000	1.276,378				
14+80,000					-6,4000	1.276,259	-3,5000	1.276,404	1.276,869	1.276,474	0,395	3,5000	1.276,404	6,4000	1.276,259				
14+100,000					-6,4000	1.276,122	-3,5000	1.276,267	1.276,717	1.276,337	0,380	3,5000	1.276,267	6,4000	1.276,122				
14+120,000					-6,4000	1.275,966	-3,5000	1.276,111	1.276,671	1.276,181	0,490	3,5000	1.276,111	6,4000	1.275,966				
14+140,000					-6,4000	1.275,793	-3,5000	1.275,938	1.276,398	1.276,008	0,390	3,5000	1.275,938	6,4000	1.275,793				
14+160,000					-6,4000	1.275,602	-3,5000	1.275,747	1.276,233	1.275,817	0,416	3,5000	1.275,747	6,4000	1.275,602				
14+180,000					-6,4000	1.275,392	-3,5000	1.275,537	1.275,999	1.275,607	0,392	3,5000	1.275,537	6,4000	1.275,392				
14+181,771					-6,4000	1.275,460	-3,5000	1.275,518	1.275,975	1.275,588	0,387	3,5000	1.275,518	6,4000	1.275,373				
14+200,000					-6,4000	1.275,252	-3,5000	1.275,310	1.275,777	1.275,380	0,397	3,5000	1.275,310	6,4000	1.275,165				
14+219,271					-6,4000	1.275,015	-3,5000	1.275,073	1.275,549	1.275,143	0,406	3,5000	1.275,073	6,4000	1.274,928				
14+220,000					-6,4000	1.275,006	-3,5000	1.275,064	1.275,539	1.275,134	0,405	3,5000	1.275,064	6,4000	1.274,919				
14+240,000					-6,4000	1.274,742	-3,5000	1.274,800	1.275,238	1.274,870	0,368	3,5000	1.274,800	6,4000	1.274,655				
14+241,771					-7,9000	1.274,688	-3,5000	1.274,776	1.275,203	1.274,846	0,357	3,5000	1.274,776	6,4000	1.274,631				
14+260,000					-7,9000	1.274,431	-3,5000	1.274,519	1.274,884	1.274,589	0,295	3,5000	1.274,519	6,4000	1.274,374				
14+271,771					-7,9000	1.274,256	-3,5000	1.274,344	1.274,704	1.274,414	0,290	3,5000	1.274,344	6,4000	1.274,199				
14+280,000					-7,9000	1.274,131	-3,5000	1.274,219	1.274,551	1.274,289	0,262	3,5000	1.274,219	6,4000	1.274,074				
14+294,271					-6,4000	1.273,936	-3,5000	1.273,994	1.274,289	1.274,064	0,225	3,5000	1.273,994	6,4000	1.273,849				
14+300,000					-6,4000	1.273,843	-3,5000	1.273,901	1.274,202	1.273,971	0,231	3,5000	1.273,901	6,4000	1.273,756				
14+320,000					-6,4000	1.273,507	-3,5000	1.273,565	1.273,846	1.273,635	0,211	3,5000	1.273,565	6,4000	1.273,420				
14+331,771					-6,4000	1.273,301	-3,5000	1.273,358	1.273,599	1.273,428	0,171	3,5000	1.273,358	6,4000	1.273,213				
14+340,000					-6,4000	1.273,065	-3,5000	1.273,211	1.273,401	1.273,281	0,120	3,5000	1.273,211	6,4000	1.273,065				
14+360,000					-6,4000	1.272,693	-3,5000	1.272,838	1.272,923	1.272,908	0,015	3,5000	1.272,838	6,4000	1.272,693				
14+380,000					-6,4000	1.272,303	-3,5000	1.272,448	1.272,655	1.272,518	0,137	3,5000	1.272,448	6,4000	1.272,303				
14+400,000					-6,4000	1.271,904	-3,5000	1.272,049	1.272,303	1.272,119	0,184	3,5000	1.272,049	6,4000	1.271,904				
14+420,000					-6,4000	1.271,504	-3,5000	1.271,649	1.271,939	1.271,719	0,220	3,5000	1.271,649	6,4000	1.271,504				
14+440,000					-6,4000	1.271,105	-3,5000	1.271,250	1.271,564	1.271,320	0,244	3,5000	1.271,250	6,4000	1.271,105				
14+460,000					-6,4000	1.270,706	-3,5000	1.270,851	1.271,159	1.270,921	0,238	3,5000	1.270,851	6,4000	1.270,706				
14+480,000					-6,4000	1.270,306	-3,5000	1.270,451	1.270,728	1.270,521	0,207	3,5000	1.270,451	6,4000	1.270,306				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
14+500,000					-6,4000	1.269,907	-3,5000	1.270,052	1.270,357	1.270,122	0,235	3,5000	1.270,052	6,4000	1.269,907				
14+520,000					-6,4000	1.269,507	-3,5000	1.269,653	1.270,050	1.269,723	0,327	3,5000	1.269,653	6,4000	1.269,507				
14+540,000					-6,4000	1.269,108	-3,5000	1.269,253	1.269,587	1.269,323	0,264	3,5000	1.269,253	6,4000	1.269,108				
14+560,000					-6,4000	1.268,709	-3,5000	1.268,854	1.269,125	1.268,924	0,201	3,5000	1.268,854	6,4000	1.268,709				
14+580,000					-6,4000	1.268,310	-3,5000	1.268,455	1.268,831	1.268,525	0,306	3,5000	1.268,455	6,4000	1.268,309				
14+600,000					-6,4000	1.267,910	-3,5000	1.268,055	1.268,386	1.268,125	0,261	3,5000	1.268,055	6,4000	1.267,910				
14+620,000					-6,4000	1.267,511	-3,5000	1.267,656	1.267,850	1.267,726	0,124	3,5000	1.267,656	6,4000	1.267,511				
14+640,000					-6,4000	1.267,111	-3,5000	1.267,256	1.267,443	1.267,326	0,117	3,5000	1.267,256	6,4000	1.267,111				
14+660,000					-6,4000	1.266,712	-3,5000	1.266,857	1.267,037	1.266,927	0,110	3,5000	1.266,857	6,4000	1.266,712				
14+680,000					-6,4000	1.266,313	-3,5000	1.266,458	1.266,611	1.266,528	0,083	3,5000	1.266,458	6,4000	1.266,313				
14+700,000					-6,4000	1.265,913	-3,5000	1.266,058	1.266,196	1.266,128	0,068	3,5000	1.266,058	6,4000	1.265,913				
14+720,000					-6,4000	1.265,514	-3,5000	1.265,659	1.265,793	1.265,729	0,064	3,5000	1.265,659	6,4000	1.265,514				
14+740,000					-6,4000	1.265,115	-3,5000	1.265,260	1.265,394	1.265,330	0,064	3,5000	1.265,260	6,4000	1.265,115				
14+760,000					-6,4000	1.264,715	-3,5000	1.264,860	1.265,016	1.264,930	0,086	3,5000	1.264,860	6,4000	1.264,715				
14+780,000					-6,4000	1.264,316	-3,5000	1.264,461	1.264,650	1.264,531	0,119	3,5000	1.264,461	6,4000	1.264,316				
14+800,000					-6,4000	1.263,917	-3,5000	1.264,062	1.264,259	1.264,132	0,127	3,5000	1.264,062	6,4000	1.263,917				
14+820,000					-6,4000	1.263,517	-3,5000	1.263,662	1.263,783	1.263,732	0,051	3,5000	1.263,662	6,4000	1.263,517				
14+840,000					-6,4000	1.263,118	-3,5000	1.263,263	1.263,269	1.263,333	-0,064	3,5000	1.263,263	6,4000	1.263,118				
14+860,000					-6,4000	1.262,719	-3,5000	1.262,864	1.262,956	1.262,934	0,022	3,5000	1.262,864	6,4000	1.262,719				
14+880,000					-6,4000	1.262,319	-3,5000	1.262,464	1.262,625	1.262,534	0,091	3,5000	1.262,464	6,4000	1.262,319				
14+900,000					-6,4000	1.261,920	-3,5000	1.262,065	1.262,265	1.262,135	0,130	3,5000	1.262,065	6,4000	1.261,920				
14+920,000					-6,4000	1.261,520	-3,5000	1.261,666	1.261,886	1.261,736	0,150	3,5000	1.261,666	6,4000	1.261,520				
14+940,000					-6,4000	1.261,121	-3,5000	1.261,266	1.261,431	1.261,336	0,095	3,5000	1.261,266	6,4000	1.261,121				
14+960,000					-6,4000	1.260,760	-3,5000	1.260,905	1.261,084	1.260,975	0,109	3,5000	1.260,905	6,4000	1.260,760				
14+980,000					-6,4000	1.260,476	-3,5000	1.260,621	1.260,831	1.260,691	0,140	3,5000	1.260,621	6,4000	1.260,476				
15					-6,4000	1.260,268	-3,5000	1.260,413	1.260,679	1.260,483	0,196	3,5000	1.260,413	6,4000	1.260,268				
15+20,000					-6,4000	1.260,137	-3,5000	1.260,282	1.260,506	1.260,352	0,154	3,5000	1.260,282	6,4000	1.260,137				
15+40,000					-6,4000	1.260,082	-3,5000	1.260,227	1.260,466	1.260,297	0,169	3,5000	1.260,227	6,4000	1.260,082				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
15+60,000					-6,4000	1.260,104	-3,5000	1.260,249	1.260,495	1.260,319	0,176	3,5000	1.260,249	6,4000	1.260,104				
15+80,000					-6,4000	1.260,203	-3,5000	1.260,348	1.260,651	1.260,418	0,233	3,5000	1.260,348	6,4000	1.260,203				
15+100,000					-6,4000	1.260,378	-3,5000	1.260,523	1.260,885	1.260,593	0,292	3,5000	1.260,523	6,4000	1.260,378				
15+120,000					-6,4000	1.260,630	-3,5000	1.260,775	1.261,191	1.260,845	0,346	3,5000	1.260,775	6,4000	1.260,630				
15+140,000					-6,4000	1.260,959	-3,5000	1.261,104	1.261,467	1.261,174	0,293	3,5000	1.261,104	6,4000	1.260,959				
15+160,000					-6,4000	1.261,364	-3,5000	1.261,509	1.261,939	1.261,579	0,360	3,5000	1.261,509	6,4000	1.261,364				
15+180,000					-6,4000	1.261,846	-3,5000	1.261,991	1.262,436	1.262,061	0,375	3,5000	1.261,991	6,4000	1.261,846				
15+200,000					-6,4000	1.262,366	-3,5000	1.262,511	1.262,952	1.262,581	0,371	3,5000	1.262,511	6,4000	1.262,366				
15+220,000					-6,4000	1.262,886	-3,5000	1.263,031	1.263,508	1.263,101	0,407	3,5000	1.263,031	6,4000	1.262,886				
15+240,000					-6,4000	1.263,406	-3,5000	1.263,551	1.264,049	1.263,621	0,428	3,5000	1.263,551	6,4000	1.263,406				
15+260,000					-6,4000	1.263,926	-3,5000	1.264,071	1.264,620	1.264,141	0,479	3,5000	1.264,071	6,4000	1.263,926				
15+280,000					-6,4000	1.264,446	-3,5000	1.264,592	1.265,141	1.264,662	0,479	3,5000	1.264,592	6,4000	1.264,446				
15+300,000					-6,4000	1.264,967	-3,5000	1.265,112	1.265,594	1.265,182	0,412	3,5000	1.265,112	6,4000	1.264,967				
15+320,000					-6,4000	1.265,487	-3,5000	1.265,632	1.266,037	1.265,702	0,335	3,5000	1.265,632	6,4000	1.265,487				
15+340,000					-6,4000	1.266,007	-3,5000	1.266,152	1.266,525	1.266,222	0,303	3,5000	1.266,152	6,4000	1.266,007				
15+360,000					-6,4000	1.266,527	-3,5000	1.266,672	1.267,079	1.266,742	0,337	3,5000	1.266,672	6,4000	1.266,527				
15+380,000					-6,4000	1.267,047	-3,5000	1.267,192	1.267,594	1.267,262	0,332	3,5000	1.267,192	6,4000	1.267,047				
15+400,000					-6,4000	1.267,567	-3,5000	1.267,712	1.268,119	1.267,782	0,337	3,5000	1.267,712	6,4000	1.267,567				
15+420,000					-6,4000	1.268,087	-3,5000	1.268,233	1.268,618	1.268,303	0,315	3,5000	1.268,233	6,4000	1.268,087				
15+440,000					-6,4000	1.268,608	-3,5000	1.268,753	1.269,113	1.268,823	0,290	3,5000	1.268,753	6,4000	1.268,608				
15+460,000					-6,4000	1.269,128	-3,5000	1.269,273	1.269,683	1.269,343	0,340	3,5000	1.269,273	6,4000	1.269,128				
15+480,000					-6,4000	1.269,648	-3,5000	1.269,793	1.270,214	1.269,863	0,351	3,5000	1.269,793	6,4000	1.269,648				
15+500,000					-6,4000	1.270,168	-3,5000	1.270,313	1.270,731	1.270,383	0,348	3,5000	1.270,313	6,4000	1.270,168				
15+520,000					-6,4000	1.270,688	-3,5000	1.270,833	1.271,295	1.270,903	0,392	3,5000	1.270,833	6,4000	1.270,688				
15+540,000					-6,4000	1.271,208	-3,5000	1.271,353	1.271,798	1.271,423	0,375	3,5000	1.271,353	6,4000	1.271,208				
15+560,000					-6,4000	1.271,728	-3,5000	1.271,873	1.272,326	1.271,943	0,383	3,5000	1.271,873	6,4000	1.271,728				
15+580,000					-6,4000	1.272,236	-3,5000	1.272,381	1.272,767	1.272,451	0,316	3,5000	1.272,381	6,4000	1.272,236				
15+600,000					-6,4000	1.272,717	-3,5000	1.272,862	1.273,204	1.272,932	0,272	3,5000	1.272,862	6,4000	1.272,717				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DF-220-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
15+620,000					-6,4000	1.273,173	-3,5000	1.273,318	1.273,627	1.273,388	0,239	3,5000	1.273,318	6,4000	1.273,173				
15+640,000					-6,4000	1.273,603	-3,5000	1.273,748	1.274,018	1.273,818	0,200	3,5000	1.273,748	6,4000	1.273,603				
15+660,000					-6,4000	1.274,007	-3,5000	1.274,152	1.274,383	1.274,222	0,161	3,5000	1.274,152	6,4000	1.274,007				
15+680,000					-6,4000	1.274,386	-3,5000	1.274,531	1.274,730	1.274,601	0,129	3,5000	1.274,531	6,4000	1.274,386				
15+700,000					-6,4000	1.274,739	-3,5000	1.274,884	1.275,112	1.274,954	0,158	3,5000	1.274,884	6,4000	1.274,739				
15+720,000					-6,4000	1.275,066	-3,5000	1.275,211	1.275,303	1.275,281	0,022	3,5000	1.275,211	6,4000	1.275,066				
15+740,000					-6,4000	1.275,368	-3,5000	1.275,513	1.275,766	1.275,583	0,183	3,5000	1.275,513	6,4000	1.275,367				
15+760,000					-6,4000	1.275,643	-3,5000	1.275,788	1.276,004	1.275,858	0,146	3,5000	1.275,788	6,4000	1.275,643				
15+775,199					-6,4000	1.275,843	-3,5000	1.275,988	1.276,157	1.276,058	0,099	3,5000	1.275,988	6,4000	1.275,843				

3.1.2 – Dispositivo Km 0 (Entr. DF-180/DF-220)



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DISP KM 0-RAMO 1-TP

ESTACA	LADO ESQUERDO												EIXO			LADO DIREITO																
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
	DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT	
0+252.065												-4,5000	1.125,426	-2,00	1.125,081	1.125,086	-0,005	4,5000	1.125,606	2,00			-6,0000	1.125,351					-6,8507	1.124,784	-0,170	
0+254.053												-4,5000	1.125,454	-2,00	1.125,202	1.125,114	0,088	4,5000	1.125,634	2,00			-6,0000	1.125,379					-6,7013	1.124,911	-0,071	
0+258.411												-4,5000	1.125,498	-2,00	1.125,163	1.125,158	0,005	4,5000	1.125,678	2,00			-6,0000	1.125,423					-6,7081	1.125,139	0,113	
0+260.000												-4,5000	1.125,510	-2,00	1.125,084	1.125,170	-0,086	4,1626	1.125,683	2,00			-6,0000	1.125,435					-6,6534	1.125,096	0,058	
0+279.602												-4,5000	1.125,657	-2,00	1.125,756	1.125,317	0,439	0,0000	1.125,747					-6,0000	1.125,582					-6,6499	1.125,239	0,054



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DISP KM 0-RAMO 2-TP

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
0					-3,5000	1.127,408			1.127,744	1.127,338	0,406			2,9000	1.127,338				
0+20.000					-5,8930	1.126,776			1.127,128	1.126,658	0,470			2,9000	1.126,658				
0+35.882					-7,0865	1.126,260			1.126,654	1.126,118	0,536			2,9000	1.126,118				
0+40.000					-7,3960	1.126,131			1.126,418	1.125,983	0,435			2,9000	1.125,983				
0+41.384					-7,5000	1.126,090			1.126,327	1.125,940	0,386			2,9000	1.125,940				
0+44.606					-7,3631	1.125,992			1.126,278	1.125,845	0,433			0,4000	1.125,845				
0+60.000					-6,7088	1.125,612			1.126,022	1.125,477	0,545			0,4000	1.125,477				
0+64.913					-6,5000	1.125,521			1.125,843	1.125,391	0,452			0,4000	1.125,391				
0+77.026					-6,5000	1.125,371			1.125,855	1.125,241	0,614			0,4000	1.125,241				
0+80.000					-6,5000	1.125,348			1.125,604	1.125,218	0,386			0,4000	1.125,218				
0+81.658					-6,5000	1.125,338			1.125,599	1.125,208	0,391			2,9000	1.125,208				
0+100.000					-4,7988	1.125,302			1.126,084	1.125,206	0,878			2,9000	1.125,206				
0+103.222					-4,5000	1.125,317			1.126,100	1.125,227	0,873			2,9000	1.125,227				
0+120.000					-6,4764	1.125,569			1.125,931	1.125,440	0,491			2,9000	1.125,440				
0+128.689					-7,5000	1.125,768			1.125,986	1.125,618	0,368			2,9000	1.125,618				
0+131.288					-7,3895	1.125,829			1.126,008	1.125,681	0,327			0,4000	1.125,681				
0+140.000					-7,0193	1.126,061			1.126,104	1.125,921	0,183			0,4000	1.125,921				
0+152.218					-6,5000	1.126,466			1.126,310	1.126,336	-0,026			0,4000	1.126,336				
0+155.882					-6,5000	1.126,608				1.126,478	-0,055			0,4000	1.126,478				
0+160.000					-6,5000	1.126,773			1.126,581	1.126,643	-0,062			0,4000	1.126,643				
0+165.989					-6,5000	1.127,012			1.126,805	1.126,882	-0,077			0,4000	1.126,882				
0+170.669					-6,5000	1.127,200			1.126,974	1.127,069	-0,095			2,9000	1.127,069				
0+180.000					-5,7411	1.127,558			1.127,677	1.127,443	0,234			2,9000	1.127,443				
0+200.000					-4,1146	1.128,325			1.128,630	1.128,243	0,387			2,9000	1.128,243				
0+207.557					-3,5000	1.128,615			1.128,941	1.128,545	0,396			2,9000	1.128,545				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DISP KM 0-RAMO 3-TP

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
0					-3,5000	1.128,615			1.128,955	1.128,545	0,410			2,9000	1.128,545				
0+20,000					-5,6393	1.127,858			1.128,139	1.127,745	0,394			2,9000	1.127,745				
0+37,395					-7,5000	1.127,199			1.127,400	1.127,049	0,351			2,9000	1.127,049				
0+40,000					-7,3925	1.127,093			1.127,285	1.126,945	0,340			2,9000	1.126,945				
0+42,221					-7,3008	1.127,004			1.127,031	1.126,858	0,176			0,4000	1.126,858				
0+60,000					-6,5670	1.126,312			1.125,382	1.126,181	-0,799			0,4000	1.126,181				
0+61,622					-6,5000	1.126,251			1.125,308	1.126,121	-0,813			0,4000	1.126,121				
0+80,000					-6,5000	1.125,601			1.124,566	1.125,471	-0,905			0,4000	1.125,471				
0+82,178					-6,5000	1.125,527			1.124,434	1.125,397	-0,963			0,4000	1.125,397				
0+87,341					-6,5000	1.125,355			1.124,118	1.125,225	-1,107			2,9000	1.125,225				
0+100,000					-5,4257	1.124,915			1.123,321	1.124,807	-1,486			2,9000	1.124,807				
0+110,908					-4,5000	1.124,536			1.122,684	1.124,446	-1,762			2,9000	1.124,446				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DISP KM 0-RAMO 4-TP

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
0					-4,5000	1.123,102			1.120,290	1.123,102	-2,812			2,9000	1.123,102				
0+20.000					-6,6204	1.122,535			1.120,927	1.122,441	-1,514			2,9000	1.122,441				
0+28.296					-7,5000	1.122,317			1.120,853	1.122,167	-1,314			2,9000	1.122,167				
0+31.267					-7,3779	1.122,215			1.120,824	1.122,067	-1,243			0,4000	1.122,067				
0+40.000					-7,0190	1.121,898			1.120,723	1.121,758	-1,035			0,4000	1.121,758				
0+52.629					-6,5000	1.121,396			1.120,454	1.121,266	-0,812			0,4000	1.121,266				
0+60.000					-6,5000	1.121,086			1.120,287	1.120,956	-0,669			0,4000	1.120,956				
0+75.134					-6,5000	1.120,392			1.120,348	1.120,262	0,086			0,4000	1.120,262				
0+80.000					-6,5000	1.120,153			1.120,075	1.120,023	0,052			0,4000	1.120,023				
0+80.370					-6,5000	1.120,135			1.120,074	1.120,005	0,069			2,9000	1.120,005				
0+100.000					-5,0514	1.119,124			1.119,337	1.119,023	0,314			2,9000	1.119,023				
0+120.000					-3,5755	1.118,095			1.118,449	1.118,023	0,426			2,9000	1.118,023				
0+121.023					-3,5000	1.118,042			1.118,400	1.117,972	0,428			2,9000	1.117,972				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DISP KM 0-RAMO 5-TP

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
0					-3,5000	1.118,042			1.118,391	1.117,972	0,419			2,9000	1.117,972				
0+20.000					-5,5120	1.119,082			1.119,298	1.118,972	0,326			2,9000	1.118,972				
0+39.761					-7,5000	1.120,110			1.120,310	1.119,960	0,350			2,9000	1.119,960				
0+40.000					-7,4899	1.120,122			1.120,321	1.119,972	0,349			2,9000	1.119,972				
0+44.839					-7,2860	1.120,358			1.120,505	1.120,212	0,293			0,4000	1.120,212				
0+60.000					-6,6470	1.121,067			1.121,003	1.120,934	0,069			0,4000	1.120,934				
0+63.489					-6,5000	1.121,224			1.121,115	1.121,094	0,021			0,4000	1.121,094				
0+80.000					-6,5000	1.121,949			1.121,823	1.121,819	0,004			0,4000	1.121,819				
0+87.817					-6,5000	1.122,280			1.122,300	1.122,150	0,150			0,4000	1.122,150				
0+92.590					-6,5000	1.122,482			1.122,595	1.122,352	0,243			2,9000	1.122,352				
0+100.000					-5,8295	1.122,783			1.122,984	1.122,666	0,318			2,9000	1.122,666				
0+114.693					-4,5000	1.123,379			1.123,451	1.123,289	0,162			2,9000	1.123,289				
0+120.000					-5,1096	1.123,616			1.123,684	1.123,514	0,170			2,9000	1.123,514				
0+140.000					-7,4068	1.124,509			1.124,593	1.124,361	0,232			2,9000	1.124,361				
0+140.811					-7,5000	1.124,545			1.124,629	1.124,395	0,234			2,9000	1.124,395				
0+143.495					-7,3869	1.124,657			1.124,756	1.124,509	0,247			0,4000	1.124,509				
0+145.000					-7,3235	1.124,719			1.124,827	1.124,573	0,254			0,4000	1.124,573				
0+160.000					-6,6913	1.125,323			1.125,467	1.125,189	0,278			0,4000	1.125,189				
0+164.539					-6,5000	1.125,498			1.125,647	1.125,368	0,279			0,4000	1.125,368				
0+174.721					-6,5000	1.125,888			1.126,038	1.125,758	0,280			0,4000	1.125,758				
0+177.739					-6,5000	1.126,000			1.126,152	1.125,870	0,282			2,9000	1.125,870				
0+180.000					-6,3402	1.126,080			1.126,236	1.125,953	0,283			2,9000	1.125,953				
0+195.000					-5,2802	1.126,587			1.126,919	1.126,482	0,437			2,9000	1.126,482				
0+197.674					-5,0912	1.126,674			1.127,017	1.126,572	0,445			2,9000	1.126,572				
0+200.000					-4,9268	1.126,750			1.127,080	1.126,652	0,428			2,9000	1.126,652				
0+220.000					-3,5134	1.127,402			1.127,859	1.127,332	0,527			2,9000	1.127,332				
0+220.190					-3,5000	1.127,408			1.127,870	1.127,338	0,532			2,9000	1.127,338				

3.1.3 – Dispositivo Km 5 (Entronc. DF-220/Estrada Municipal)



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DISP KM 5-RAMO 1-TP

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
5					-4,9000	1.281,874			1.282,256	1.281,972	0,284			0,0000	1.281,972				
5+11.275					-4,9000	1.282,212			1.282,534	1.282,310	0,224			2,7871	1.282,366				
5+20.000					-4,9000	1.282,441			1.282,789	1.282,539	0,250			4,9438	1.282,637				
5+22.250					-4,9000	1.282,489			1.282,797	1.282,587	0,210			5,5000	1.282,697				
5+24.119					-4,9000	1.282,525			1.282,801	1.282,623	0,178			5,6974	1.282,737				
5+27.931					-4,9000	1.282,590			1.282,837	1.282,688	0,149			5,2842	1.282,794				
5+31.475					-4,9000	1.282,639			1.282,879	1.282,737	0,142			4,5000	1.282,827				
5+40.000					-4,9000	1.282,744			1.283,451	1.282,842	0,609			1,9838	1.282,882				
5+46.721					-4,9000	1.282,827			1.283,548	1.282,925	0,623			0,0000	1.282,925				
5+46.722					-4,9000	1.282,827			1.283,548	1.282,925	0,623			0,0003	1.282,925				
5+60.000					-4,9000	1.283,015			1.283,131	1.283,113	0,018			3,5225	1.283,184				
5+67.455					-4,9000	1.283,143			1.283,212	1.283,241	-0,029			5,5000	1.283,351				
5+69.273					-4,9000	1.283,172			1.283,261	1.283,270	-0,009			5,7582	1.283,385				
5+76.248					-4,9000	1.283,201			1.283,341	1.283,299	0,042			5,2143	1.283,403				
5+80.000					-4,9000	1.283,164			1.283,406	1.283,262	0,144			4,9217	1.283,360				
5+80.278					-4,9000	1.283,160			1.283,398	1.283,258	0,140			4,5000	1.283,348				
5+82.446					-4,9000	1.283,120			1.283,337	1.283,218	0,119			3,9489	1.283,288				
5+97.982					-4,9000	1.282,791			1.282,829	1.282,889	-0,060			0,0000	1.282,889				
5+97.983					-4,5000	1.282,799			1.282,829	1.282,889	-0,060			4,9000	1.282,889				
5+100.000					-4,5000	1.282,756			1.282,780	1.282,846	-0,066			4,9000	1.282,853				
5+120.000					-4,5000	1.282,332			1.282,294	1.282,422	-0,128			4,9000	1.282,492				
5+128.698					-4,5000	1.282,148			1.282,051	1.282,238	-0,187			4,9000	1.282,336				
5+140.000					-4,5000	1.281,908			1.281,765	1.281,998	-0,233			4,9000	1.282,060				
5+159.395					-4,5000	1.281,497			1.281,492	1.281,587	-0,095			4,9000	1.281,587				
5+159.396					-4,9000	1.281,489			1.281,492	1.281,587	-0,095			0,0000	1.281,587				
5+160.000					-4,9000	1.281,476			1.281,493	1.281,574	-0,081			0,1566	1.281,574				
5+176.585					-4,9000	1.281,125			1.281,657	1.281,223	0,434			4,4552	1.281,295				
5+180.000					-4,9000	1.281,066			1.281,724	1.281,164	0,560			5,3403	1.281,268				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DISP KM 5-RAMO 1-TP

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
5+180.616					-4,9000	1.281,059			1.281,737	1.281,157	0,580			5,5000	1.281,267				
5+182.559					-4,9000	1.281,042			1.281,707	1.281,140	0,567			5,7867	1.281,256				
5+193.543					-4,9000	1.281,117			1.281,453	1.281,215	0,238			5,1465	1.281,318				
5+197.772					-4,9000	1.281,224			1.281,767	1.281,322	0,445			4,5000	1.281,412				
5+200.000					-4,9000	1.281,299			1.281,937	1.281,397	0,540			3,9723	1.281,476				
5+201.803					-4,9000	1.281,368			1.282,056	1.281,466	0,590			3,5452	1.281,537				
5+212.739					-4,9000	1.281,753			1.282,140	1.281,851	0,289			0,9548	1.281,870				
5+216.770					-4,9000	1.281,874			1.282,256	1.281,972	0,284			0,0000	1.281,972				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DISP KM 5-RAMO 2-TP

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
5					-3,5000	1.280,012			1.279,989	1.279,942	0,047			2,9000	1.279,942				
5+20,000					-6,2886	1.280,568			1.280,364	1.280,442	-0,078			2,9000	1.280,442				
5+28,688					-7,5000	1.280,809			1.280,716	1.280,659	0,057			2,9000	1.280,659				
5+32,617					-7,3421	1.280,904			1.280,831	1.280,757	0,074			0,4000	1.280,757				
5+40,000					-7,0454	1.281,083			1.281,198	1.280,942	0,256			0,4000	1.280,942				
5+41,102					-7,0011	1.281,110			1.281,258	1.280,970	0,288			0,4000	1.280,970				
5+48,905					-6,6876	1.281,306			1.281,742	1.281,172	0,570			0,4000	1.281,172				
5+53,572					-6,5000	1.281,431			1.281,971	1.281,301	0,670			2,9000	1.281,301				
5+60,000					-5,8445	1.281,604			1.282,025	1.281,487	0,538			2,9000	1.281,487				
5+61,102					-5,7321	1.281,634			1.282,034	1.281,520	0,514			2,9000	1.281,520				
5+73,185					-4,5000	1.281,972			1.282,322	1.281,882	0,440			2,9000	1.281,882				
5+80,000					-5,3822	1.282,194			1.282,516	1.282,086	0,430			2,9000	1.282,086				
5+96,360					-7,5000	1.282,727			1.282,987	1.282,577	0,410			2,9000	1.282,577				
5+98,454					-7,2829	1.282,786			1.283,038	1.282,640	0,398			0,4000	1.282,640				
5+100,000					-7,1226	1.282,829			1.283,075	1.282,686	0,389			0,4000	1.282,686				
5+103,085					-6,8027	1.282,915			1.283,150	1.282,779	0,371			0,4000	1.282,779				
5+106,004					-6,5000	1.282,997			1.283,222	1.282,867	0,355			2,9000	1.282,867				
5+120,000					-5,1057	1.283,389			1.283,572	1.283,286	0,286			2,9000	1.283,286				
5+136,117					-3,5000	1.283,840			1.283,984	1.283,770	0,214			2,9000	1.283,770				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DISP KM 5-RAMO 3-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
5					-3,5000	1.283,840			1.284,542	1.283,770	0,772			2,9000	1.283,770	4,6500	1.283,770	8,6500	1.282,770
5+11,919					-3,5000	1.283,482			1.284,035	1.283,412	0,623			2,9000	1.283,412	4,6500	1.283,412	8,6500	1.282,412
5+20,000					-5,4799	1.283,280			1.284,031	1.283,170	0,861			2,9000	1.283,170	4,6500	1.283,170	8,6500	1.282,170
5+22,344					-6,0542	1.283,221			1.283,982	1.283,100	0,882			2,9000	1.283,100	4,6500	1.283,100	8,6500	1.282,100
5+28,245					-7,5000	1.283,097			1.283,863	1.282,947	0,916			2,9000	1.282,947	4,6500	1.282,947	8,6500	1.281,947
5+30,750					-7,6498	1.283,050			1.283,820	1.282,897	0,923			2,9000	1.282,897	4,6500	1.282,897	8,6500	1.281,897
5+34,905					-7,2348	1.282,978			1.283,760	1.282,833	0,927			2,9000	1.282,833	4,6500	1.282,833	8,6500	1.281,833
5+38,257					-6,5000	1.282,929			1.283,724	1.282,799	0,925			2,9000	1.282,799	4,6500	1.282,799	8,6500	1.281,799
5+40,000					-6,2572	1.282,913			1.283,709	1.282,788	0,921			2,9000	1.282,788	4,6500	1.282,788	8,6500	1.281,788
5+52,617					-4,5000	1.282,922			1.283,697	1.282,832	0,865			2,9000	1.282,832	4,6500	1.282,832	8,6500	1.281,832
5+60,000					-5,5541	1.283,073			1.283,710	1.282,962	0,748			2,9000	1.282,962	4,6500	1.282,962	8,6500	1.281,962
5+61,662					-5,7913	1.283,117			1.283,701	1.283,001	0,700			2,9000	1.283,001	4,6500	1.283,001	8,6500	1.282,001
5+73,630					-7,5000	1.283,451			1.283,623	1.283,301	0,322			2,9000	1.283,301	4,6500	1.283,301	8,6500	1.282,301
5+75,573					-7,7546	1.283,504			1.283,621	1.283,349	0,272			2,9000	1.283,349	4,6500	1.283,349	8,6500	1.282,349
5+80,000					-7,4235	1.283,608			1.283,649	1.283,460	0,189			2,9000	1.283,460	4,6500	1.283,460	8,6500	1.282,460
5+83,747					-7,1431	1.283,697			1.283,698	1.283,554	0,144			2,9000	1.283,554	4,6500	1.283,554	8,6500	1.282,554
5+86,997					-6,5000	1.283,765			1.283,756	1.283,635	0,121			2,9000	1.283,635	4,6500	1.283,635	8,6500	1.282,635
5+100,000					-4,3370	1.284,047			1.284,063	1.283,960	0,103			2,9000	1.283,960	4,6500	1.283,960	8,6500	1.282,960
5+105,032					-3,5000	1.284,156			1.284,210	1.284,086	0,124			2,9000	1.284,086	4,6500	1.284,086	8,6500	1.283,086
5+116,647					-3,5000	1.284,446			1.284,548	1.284,376	0,172			2,9000	1.284,376	4,6500	1.284,376	8,6500	1.283,376



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM

DISP KM 5-RAMO 4-TP



ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
5					-3,5000	1.284,446			1.284,508	1.284,376	0,132			2,9000	1.284,376				
5+20,000					-6,2813	1.284,002			1.283,942	1.283,876	0,066			2,9000	1.283,876				
5+28,764					-7,5000	1.283,807			1.284,018	1.283,657	0,361			2,9000	1.283,657				
5+32,032					-7,3062	1.283,722			1.283,864	1.283,576	0,288			0,4000	1.283,576				
5+40,000					-6,8336	1.283,527			1.283,616	1.283,390	0,226			0,4000	1.283,390				
5+41,359					-6,7531	1.283,495			1.283,603	1.283,360	0,243			0,4000	1.283,360				
5+45,626					-6,5000	1.283,397			1.283,458	1.283,267	0,191			2,9000	1.283,267				
5+60,000					-4,8876	1.282,981			1.282,962	1.282,962	0,000			2,9000	1.282,962				
5+63,455					-4,5000	1.282,889			1.282,870	1.282,889	-0,019			2,9000	1.282,889				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM

DISP KM 5-RAMO 5-TP



ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
5					-4,5000	1.281,587			1.281,345	1.281,587	-0,242			2,9000	1.281,587				
5+20.000					-7,2636	1.281,287			1.281,280	1.281,154	0,126			2,9000	1.281,154				
5+21.711					-7,5000	1.281,267			1.281,269	1.281,117	0,152			2,9000	1.281,117				
5+23.819					-7,3938	1.281,219			1.281,253	1.281,071	0,182			0,4000	1.281,071				
5+37.769					-6,6912	1.280,881			1.281,248	1.280,747	0,501			0,4000	1.280,747				
5+40.000					-6,5788	1.280,824			1.281,225	1.280,692	0,533			2,9000	1.280,692				
5+41.565					-6,5000	1.280,783			1.281,130	1.280,653	0,477			2,9000	1.280,653				
5+60.000					-4,5565	1.280,284			1.280,230	1.280,193	0,037			2,9000	1.280,193				
5+70.022					-3,5000	1.279,942			1.279,987	1.279,942	0,045			2,9000	1.279,942				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



ACESSO KM 7-RAMO 1-TP

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
7					0,0000	1.321,875			1.320,787					0,4000	1.321,875				
7+20.000					-6,6199	1.322,311			1.322,333	1.322,295	0,038			0,4000	1.322,295				
7+22.659					-7,5000	1.322,351			1.322,377	1.322,351	0,026			0,4000	1.322,351				
7+22.660					-7,4999	1.322,351			1.322,377	1.322,351	0,026			0,4000	1.322,351				
7+29.566					-6,5000	1.322,519			1.322,566	1.322,519	0,047			0,4000	1.322,519				
7+32.877					-6,5000	1.322,663			1.322,692	1.322,616	0,076			0,4000	1.322,616				
7+40.000					-6,5000	1.322,959			1.322,951	1.322,808	0,143			0,4000	1.322,808				
7+43.093					-6,5000	1.323,070			1.323,104	1.322,875	0,229			0,4000	1.322,875				
7+43.094					-6,5000	1.323,070			1.323,104	1.322,875	0,229			0,4000	1.322,875				
7+44.992					-6,5000	1.323,108			1.323,197	1.322,913	0,284			0,4000	1.322,913				
7+60.000					-3,9762	1.323,299			1.323,611	1.323,213	0,398			0,4000	1.323,213				
7+62.832					-3,5000	1.323,340			1.323,687	1.323,270	0,417			0,4000	1.323,270				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



ACESSO KM 7-RAMO 2-TP-R01

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
7					-3,5000	1.323,340			1.324,087	1.323,270	0,817			0,4000	1.323,270	2,1500	1.323,270	6,1500	1.322,270
7+17,447					-7,5000	1.323,279			1.323,465	1.323,054	0,411			0,4000	1.323,054	2,1500	1.323,054	6,1500	1.322,054
7+19,739					-7,2000	1.323,261			1.323,421	1.323,045	0,376			0,4000	1.323,045	2,1500	1.323,045	6,1500	1.322,045
7+20,000					-7,2049	1.323,258			1.323,416	1.323,045	0,371			0,4000	1.323,045	2,1500	1.323,045	6,1500	1.322,045
7+23,764					-7,2760	1.323,204			1.323,359	1.323,041	0,318			0,4000	1.323,041	2,1500	1.323,041	6,1500	1.322,041
7+27,660					-7,3495	1.323,155			1.323,380	1.323,044	0,336			0,4000	1.323,044	2,1500	1.323,044	6,1500	1.322,044
7+35,632					-7,5000	1.323,131			1.323,418	1.323,131	0,287			0,4000	1.323,131	2,1500	1.323,131	6,1500	1.322,131
7+40,000					-6,9255	1.323,223			1.323,574	1.323,223	0,351			0,4000	1.323,223	2,1500	1.323,223	6,1500	1.322,223
7+43,235					-6,5000	1.323,290			1.323,688	1.323,290	0,398			0,4000	1.323,290	2,1500	1.323,290	6,1500	1.322,290
7+60,000					-0,9393	1.323,659			1.324,214	1.323,643	0,571			0,4000	1.323,643	2,1500	1.323,643	6,1500	1.322,643
7+62,832					0,0000	1.323,702			1.324,284					0,4000	1.323,702	2,1500	1.323,702	6,1500	1.322,702



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



ACESSO KM 7-RAMO 3-TP

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
7+24.840					0,0000	1.322,698			1.322,973					7,5000	1.322,548				
7+26.812					0,0000	1.322,659			1.322,916					7,0244	1.322,518				
7+28.986					0,0000	1.322,623			1.322,896					6,5000	1.322,493				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



ACESSO KM 7-RAMO 4-TP

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
7+14.333					0,0000	1.322,814			1.323,048					7,5000	1.323,039				
7+17.345					0,0000	1.322,821			1.323,090					6,5000	1.323,016				

3.1.5 – Dispositivo Km 16 (Entronc. DF-220/DF-001)



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DISP KM 16-RAMO 1-TP

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
16					-4,9000	1.277,329			1.277,451	1.277,427	0,024			0,0000	1.277,427				
16+20.000					-4,9000	1.277,247			1.277,232	1.277,345	-0,113			4,0792	1.277,427				
16+26.966					-4,9000	1.277,201			1.276,998	1.277,299	-0,301			5,5000	1.277,409				
16+29.627					-4,9000	1.277,182			1.276,934	1.277,280	-0,346			5,7828	1.277,395				
16+40.000					-4,9000	1.277,106			1.277,271	1.277,204	0,067			5,3260	1.277,310				
16+40.992					-4,9000	1.277,099			1.277,303	1.277,197	0,106			5,2823	1.277,302				
16+49.672					-4,9000	1.277,060			1.277,443	1.277,158	0,285			4,9000	1.277,256				
16+60.000					-4,9000	1.277,077			1.277,365	1.277,175	0,190			4,9000	1.277,273				
16+73.503					-4,9000	1.277,202			1.277,100	1.277,300	-0,200			4,9000	1.277,398				
16+80.000					-4,9000	1.277,305			1.277,097	1.277,403	-0,306			4,5000	1.277,493				
16+81.195					-4,9000	1.277,327			1.277,098	1.277,425	-0,327			4,5000	1.277,515				
16+100.000					-4,9000	1.277,646			1.277,305	1.277,744	-0,439			2,1103	1.277,786				
16+116.607					-4,9000	1.277,875			1.277,432	1.277,973	-0,541			0,0000	1.277,973				
16+120.000					-4,9000	1.277,915			1.277,457	1.278,013	-0,556			0,4474	1.278,022				
16+136.607					-4,9000	1.278,048			1.277,570	1.278,146	-0,576			2,6370	1.278,199				
16+140.000					-4,9000	1.278,064			1.277,575	1.278,162	-0,587			3,0844	1.278,224				
16+158.321					-4,9000	1.278,113			1.277,374	1.278,211	-0,837			5,5000	1.278,321				
16+160.000					-4,9000	1.278,114			1.277,344	1.278,212	-0,868			5,4261	1.278,321				
16+162.536					-4,9000	1.278,115			1.277,301	1.278,213	-0,912			5,7144	1.278,328				
16+180.000					-4,9000	1.278,091			1.277,599	1.278,189	-0,590			4,9453	1.278,288				
16+181.029					-4,9000	1.278,087			1.277,606	1.278,185	-0,579			4,9000	1.278,283				
16+190.636					-4,9000	1.278,048			1.277,788	1.278,146	-0,358			4,9000	1.278,244				
16+200.000					-4,9000	1.278,001			1.277,734	1.278,099	-0,365			4,9000	1.278,197				
16+220.000					-4,9000	1.277,901			1.277,231	1.277,999	-0,768			4,9000	1.278,097				
16+222.199					-4,9000	1.277,890			1.277,209	1.277,988	-0,779			4,9000	1.278,086				
16+227.357					-4,9000	1.277,864			1.277,263	1.277,962	-0,699			4,5000	1.278,052				
16+240.000					-4,9000	1.277,775			1.277,278	1.277,873	-0,595			2,1848	1.277,917				
16+251.931					-4,9000	1.277,642			1.276,924	1.277,740	-0,816			0,0000	1.277,740				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DISP KM 16-RAMO 1-TP

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
16+251.932					-4,9000	1.277,642			1.276,924	1.277,740	-0,816			0,0002	1.277,740				
16+260.000					-4,9000	1.277,532			1.276,898	1.277,629	-0,731			1,5365	1.277,660				
16+280.000					-4,9000	1.277,217			1.276,805	1.277,315	-0,510			5,3448	1.277,422				
16+280.815					-4,9000	1.277,203			1.276,815	1.277,301	-0,486			5,5000	1.277,411				
16+283.680					-4,9000	1.277,157			1.276,843	1.277,255	-0,412			5,7738	1.277,371				
16+300.000					-4,9000	1.277,035			1.276,828	1.277,133	-0,305			5,0551	1.277,234				
16+303.522					-4,9000	1.277,039			1.276,820	1.277,137	-0,317			4,9000	1.277,235				
16+314.699					-4,9000	1.277,127			1.276,644	1.277,225	-0,581			4,9000	1.277,323				
16+316.127					-4,9000	1.277,146			1.276,714	1.277,244	-0,530			4,5000	1.277,334				
16+319.490					-4,9000	1.277,193			1.276,825	1.277,291	-0,466			4,5000	1.277,381				
16+320.000					-4,9000	1.277,200			1.276,842	1.277,298	-0,456			4,4000	1.277,386				
16+340.000					-4,9000	1.277,332			1.277,496	1.277,430	0,066			0,4774	1.277,440				
16+342.434					-4,9000	1.277,329			1.277,451	1.277,427	0,024			0,0000	1.277,427				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DISP KM 16-RAMO 3-TP

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
16					-3,5000	1.276,640			1.276,942	1.276,570	0,372			2,9000	1.276,570				
16+20,000					-5,8616	1.276,787			1.276,965	1.276,670	0,295			2,9000	1.276,670				
16+33,876					-7,5000	1.276,907			1.277,000	1.276,757	0,243			2,9000	1.276,757				
16+38,210					-7,3180	1.276,937			1.277,104	1.276,791	0,313			0,4000	1.276,791				
16+40,000					-7,2428	1.276,951			1.277,154	1.276,806	0,348			0,4000	1.276,806				
16+57,685					-6,5000	1.277,118			1.277,323	1.276,988	0,335			0,4000	1.276,988				
16+60,000					-6,5000	1.277,131			1.277,364	1.277,016	0,348			0,4000	1.277,016				
16+78,504					-6,5000	1.277,243			1.277,102	1.277,243	-0,141			0,4000	1.277,243				
16+80,000					-6,5000	1.277,255			1.276,605	1.277,261	-0,656			0,4000	1.277,261				
16+98,114					-6,5000	1.277,395			1.277,028	1.277,484	-0,456			0,4000	1.277,484				
16+100,000					-6,5000	1.277,409			1.277,053	1.277,507	-0,454			2,9000	1.277,507				
16+107,117					-6,5000	1.277,465			1.277,137	1.277,595	-0,458			2,9000	1.277,595				
16+120,000					-5,8251	1.277,636			1.277,235	1.277,753	-0,518			2,9000	1.277,753				
16+140,000					-4,7774	1.277,903			1.277,384	1.277,999	-0,615			2,9000	1.277,999				
16+145,296					-4,5000	1.277,974			1.277,425	1.278,064	-0,639			2,9000	1.278,064				
16+160,000					-5,4689	1.278,135			1.277,493	1.278,244	-0,751			2,9000	1.278,244				
16+180,000					-6,7869	1.278,243			1.277,523	1.278,379	-0,856			2,9000	1.278,379				
16+190,822					-7,5000	1.278,208			1.277,260	1.278,358	-1,098			2,9000	1.278,358				
16+195,895					-7,3072	1.278,200			1.277,141	1.278,326	-1,185			0,4000	1.278,326				
16+200,000					-7,1512	1.278,181			1.277,042	1.278,290	-1,248			0,4000	1.278,290				
16+217,137					-6,5000	1.278,078			1.275,840	1.278,119	-2,279			0,4000	1.278,119				
16+220,000					-6,5000	1.278,059			1.275,625	1.278,090	-2,465			0,4000	1.278,090				
16+229,170					-6,5000	1.277,998			1.275,128	1.277,998	-2,870			0,4000	1.277,998				
16+240,000					-6,5000	1.277,936			1.274,830	1.277,890	-3,060			0,4000	1.277,890				
16+260,000					-6,5000	1.277,820			1.277,436	1.277,690	-0,254			0,4000	1.277,690				
16+280,000					-6,5000	1.277,645			1.277,559	1.277,515	0,044			0,4000	1.277,515				
16+287,181					-6,5000	1.277,594			1.277,592	1.277,464	0,128			0,4000	1.277,464				
16+292,776					-6,5000	1.277,559			1.277,437	1.277,429	0,008			2,9000	1.277,429				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DISP KM 16-RAMO 3-TP

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
16+300,000					-6,0027	1.277,510			1.277,498	1.277,390	0,108			2,9000	1.277,390				
16+320,000					-4,6259	1.277,382			1.277,544	1.277,290	0,254			2,9000	1.277,290				
16+336,356					-3,5000	1.277,278			1.277,542	1.277,208	0,334			2,9000	1.277,208				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



DISP KM 16-RAMO 2-TP

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
16					-3,5000	1.276,198			1.276,069	1.276,128	-0,059			2,9000	1.276,128				
16+20.000					-5,7354	1.276,505			1.276,230	1.276,390	-0,160			2,9000	1.276,390				
16+35.788					-7,5000	1.276,747			1.276,451	1.276,597	-0,146			2,9000	1.276,597				
16+40.000					-7,3210	1.276,798			1.276,464	1.276,652	-0,188			2,9000	1.276,652				
16+40.345					-7,3063	1.276,803			1.276,465	1.276,657	-0,192			0,4000	1.276,657				
16+59.317					-6,5000	1.277,035			1.276,359	1.276,905	-0,546			0,4000	1.276,905				
16+60.000					-6,5000	1.277,044			1.276,356	1.276,914	-0,558			0,4000	1.276,914				
16+80.000					-6,5000	1.277,306			1.276,692	1.277,176	-0,484			0,4000	1.277,176				
16+81.565					-6,5000	1.277,326			1.276,739	1.277,196	-0,457			0,4000	1.277,196				
16+86.549					-6,5000	1.277,381			1.276,877	1.277,251	-0,374			2,9000	1.277,251				
16+100.000					-5,3365	1.277,441			1.277,407	1.277,335	0,072			2,9000	1.277,335				
16+109.671					-4,5000	1.277,427			1.277,888	1.277,337	0,551			2,9000	1.277,337				
16+120.000					-5,6351	1.277,400			1.277,671	1.277,287	0,384			2,9000	1.277,287				
16+136.970					-7,5000	1.277,309			1.277,363	1.277,159	0,204			2,9000	1.277,159				
16+139.769					-7,3810	1.277,285			1.277,386	1.277,137	0,249			0,4000	1.277,137				
16+140.000					-7,3712	1.277,283			1.277,388	1.277,136	0,252			0,4000	1.277,136				
16+160.000					-6,5212	1.277,115			1.277,070	1.276,984	0,086			0,4000	1.276,984				
16+160.500					-6,5000	1.277,111			1.277,079	1.276,981	0,098			0,4000	1.276,981				
16+180.000					-6,5000	1.276,963			1.277,341	1.276,833	0,508			0,4000	1.276,833				
16+182.406					-6,5000	1.276,945			1.277,323	1.276,815	0,508			0,4000	1.276,815				
16+186.695					-6,5000	1.276,913			1.277,274	1.276,783	0,491			2,9000	1.276,783				
16+200.000					-5,3208	1.276,795			1.277,100	1.276,689	0,411			2,9000	1.276,689				
16+220.000					-3,5483	1.276,644			1.277,034	1.276,573	0,461			2,9000	1.276,573				
16+220.545					-3,5000	1.276,640			1.277,032	1.276,570	0,462			2,9000	1.276,570				



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE TERRAPLENAGEM



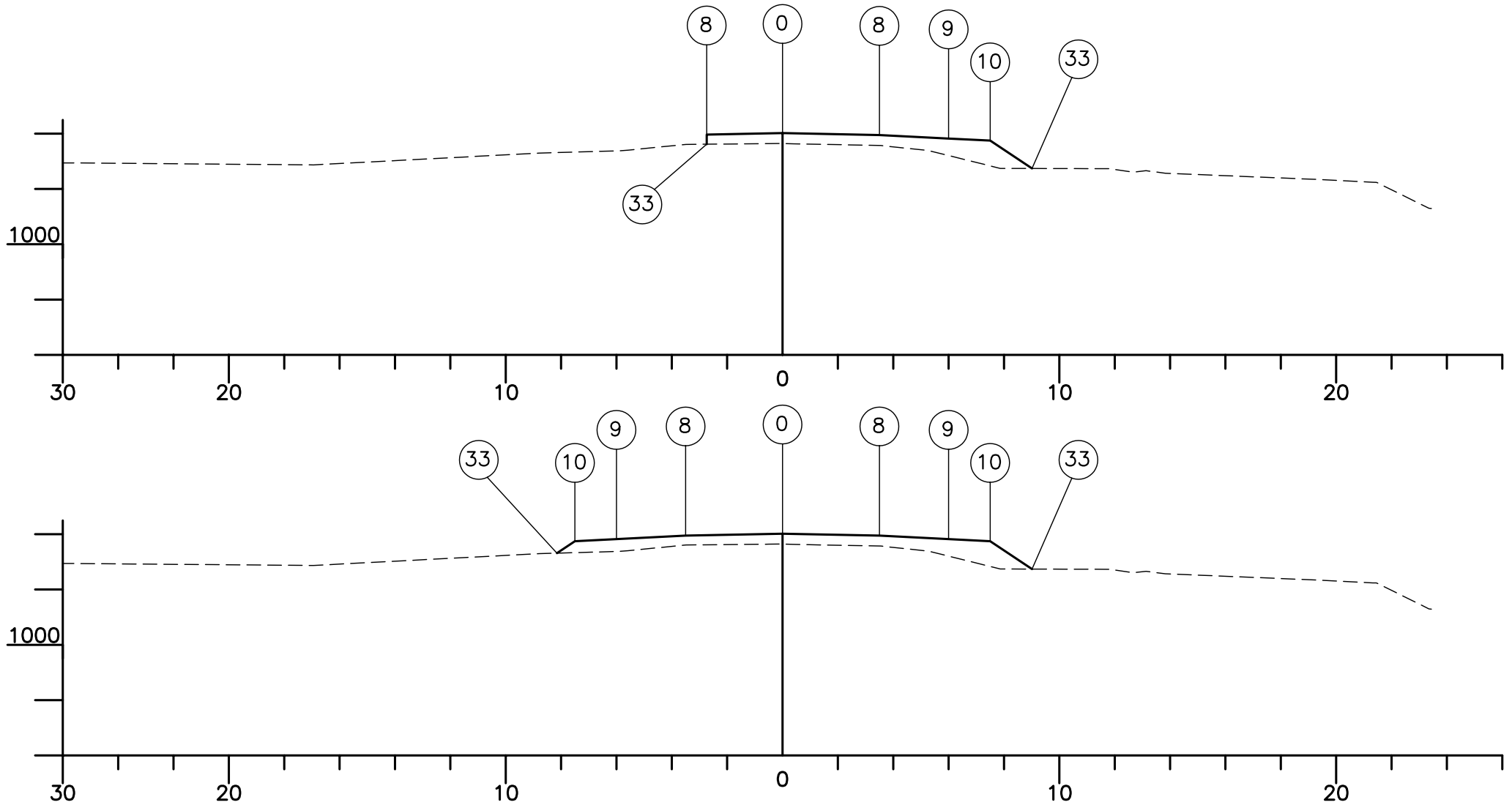
DISP KM 16-RAMO 4-TP

ESTACA	LADO ESQUERDO								EIXO			LADO DIREITO							
	12-FIM VALETA		11-INI VALETA		2-SUBLEITO		1-SUBLEITO		TERR	S.LEITO	VERM	1-SUBLEITO		2-SUBLEITO		11-INI VALETA		12-FIM VALETA	
	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	COTA	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
16					-3,5000	1.277,278			1.277,700	1.277,208	0,492			2,9000	1.277,208				
16+20,000					-5,3480	1.277,428			1.277,686	1.277,321	0,365			2,9000	1.277,321				
16+40,000					-7,1960	1.277,604			1.277,614	1.277,460	0,154			2,9000	1.277,460				
16+43,290					-7,5000	1.277,635			1.277,595	1.277,485	0,110			2,9000	1.277,485				
16+48,844					-7,2697	1.277,673			1.277,559	1.277,528	0,031			0,4000	1.277,528				
16+60,000					-6,8071	1.277,752			1.277,664	1.277,615	0,049			0,4000	1.277,615				
16+67,406					-6,5000	1.277,803			1.277,732	1.277,673	0,059			0,4000	1.277,673				
16+80,000					-6,5000	1.277,902			1.277,563	1.277,771	-0,208			0,4000	1.277,771				
16+100,000					-6,5000	1.278,058			1.277,294	1.277,928	-0,634			0,4000	1.277,928				
16+120,000					-6,5000	1.278,109			1.277,208	1.277,979	-0,771			0,4000	1.277,979				
16+122,443					-6,5000	1.278,101			1.277,253	1.277,971	-0,718			0,4000	1.277,971				
16+127,948					-6,5000	1.278,071			1.277,370	1.277,941	-0,571			2,9000	1.277,941				
16+140,000					-5,5413	1.277,932			1.277,485	1.277,822	-0,337			2,9000	1.277,822				
16+153,091					-4,5000	1.277,740			1.276,985	1.277,650	-0,665			2,9000	1.277,650				
16+160,000					-5,1972	1.277,664			1.276,848	1.277,560	-0,712			2,9000	1.277,560				
16+180,000					-7,2152	1.277,442			1.276,510	1.277,298	-0,788			2,9000	1.277,298				
16+182,822					-7,5000	1.277,411			1.276,516	1.277,261	-0,745			2,9000	1.277,261				
16+185,926					-7,3713	1.277,367			1.276,520	1.277,220	-0,700			0,4000	1.277,220				
16+200,000					-6,7877	1.277,171			1.276,500	1.277,036	-0,536			0,4000	1.277,036				
16+206,938					-6,5000	1.277,075			1.276,479	1.276,945	-0,466			0,4000	1.276,945				
16+220,000					-6,5000	1.276,904			1.276,394	1.276,774	-0,380			0,4000	1.276,774				
16+227,955					-6,5000	1.276,799			1.276,369	1.276,669	-0,300			0,4000	1.276,669				
16+232,656					-6,5000	1.276,738			1.276,363	1.276,608	-0,245			2,9000	1.276,608				
16+240,000					-5,8984	1.276,630			1.276,308	1.276,512	-0,204			2,9000	1.276,512				
16+260,000					-4,2600	1.276,335			1.276,124	1.276,250	-0,126			2,9000	1.276,250				
16+269,277					-3,5000	1.276,198			1.276,033	1.276,128	-0,095			2,9000	1.276,128				

3.2 – NOTAS DE SERVIÇO DA CAMADA ACABADA

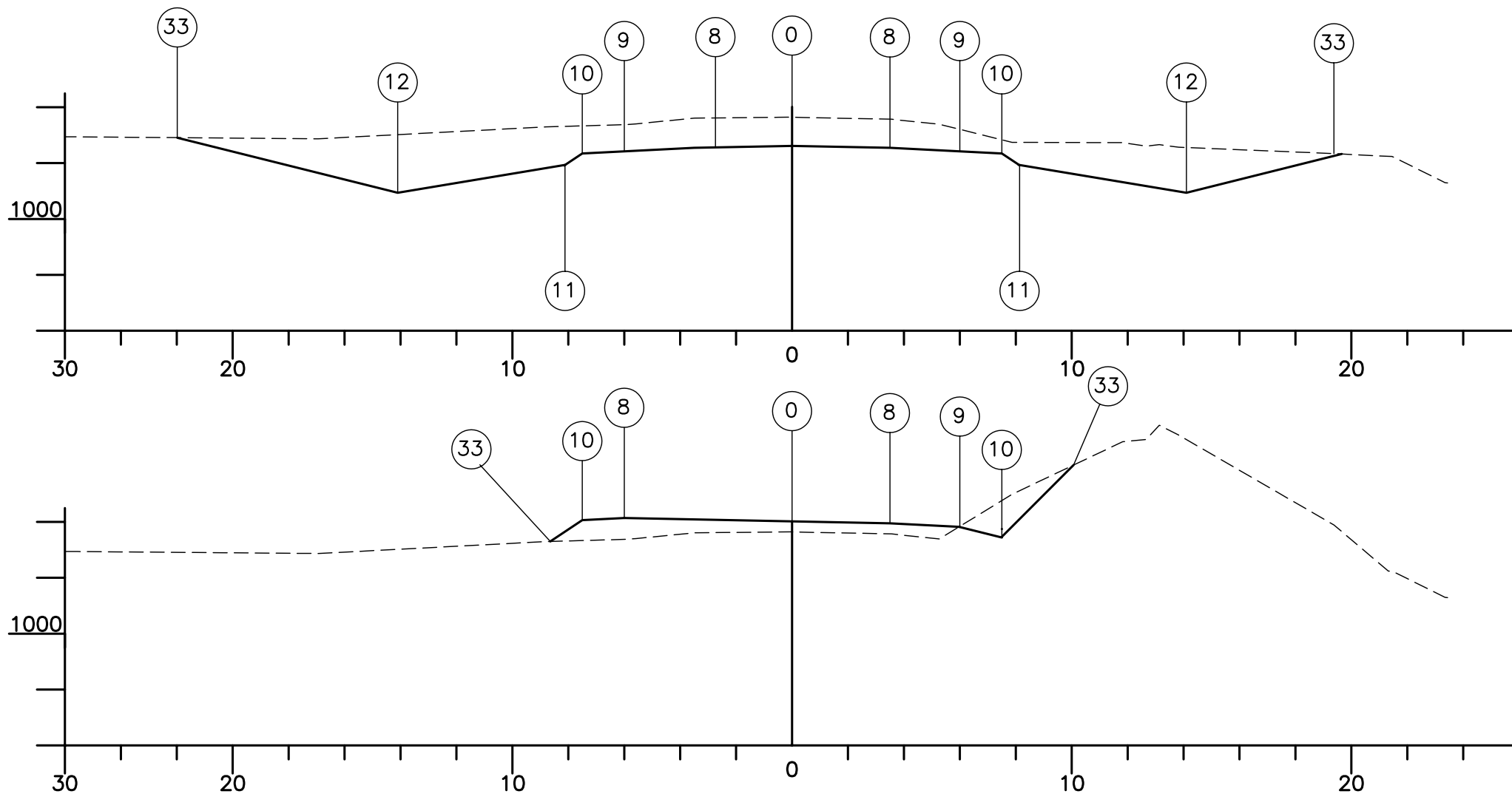


RODOVIA: DF-120
TRECHO: km 0 ao Km 11,3
SEÇÕES TÍPICAS - CAMADA ACABADA





RODOVIA: DF-120
TRECHO: km 0 ao Km 11,3
SEÇÕES TÍPICAS - CAMADA ACABADA





RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DA CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO													
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET		
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT	
0+144,858	-8,0433	1.127,811	0,543					-7,5000	1.127,268	-6,0000	1.127,643	-3,5000	1.127,768	-2,00	1.127,894	1.127,838	0,056	3,5000	1.127,768	-2,00	6,0000	1.127,643	7,5000	1.127,268					7,9897	1.127,758	0,490
0+160,000	-8,3951	1.128,678	0,895					-7,5000	1.127,783	-6,0000	1.128,158	-3,5000	1.128,283	-2,00	1.128,505	1.128,353	0,152	3,5000	1.128,283	-2,00	6,0000	1.128,158	7,5000	1.127,783					8,2377	1.128,521	0,738
0+180,000	-7,9785	1.128,941	0,479					-7,5000	1.128,462	-6,0000	1.128,837	-3,5000	1.128,962	-2,00	1.128,990	1.129,032	-0,042	3,5000	1.128,962	-2,00	6,0000	1.128,837	7,5000	1.128,462					8,5522	1.129,514	1,052
0+200,000	-7,8795	1.129,521	0,379					-7,5000	1.129,142	-6,0000	1.129,517	-3,5000	1.129,642	-2,00	1.129,543	1.129,712	-0,169	3,5000	1.129,642	-2,00	6,0000	1.129,517	7,5000	1.129,142					8,1706	1.129,813	0,671
0+220,000	-8,0649	1.130,414	0,565					-7,5000	1.129,849	-6,0000	1.130,224	-3,5000	1.130,349	-2,00	1.130,325	1.130,419	-0,094	3,5000	1.130,349	-2,00	6,0000	1.130,224	7,5000	1.129,849					8,0357	1.130,385	0,536
0+240,000	-8,2786	1.131,391	0,779					-7,5000	1.130,612	-6,0000	1.130,987	-3,5000	1.131,112	-2,00	1.131,072	1.131,182	-0,110	3,5000	1.131,112	-2,00	6,0000	1.130,987	7,5000	1.130,612					7,5897	1.131,002	0,090
0+243,697	-8,2899	1.131,549	0,790					-7,5000	1.130,759	-6,0000	1.131,134	-3,5000	1.131,259	-2,00	1.131,203	1.131,329	-0,126	3,5000	1.131,259	-2,00	6,0000	1.131,134	7,5000	1.131,059					7,5841	1.131,143	0,084
0+260,000	-8,2366	1.132,167	0,737					-7,5000	1.131,430	-6,0000	1.131,805	-3,5000	1.131,930	-2,00	1.131,841	1.132,000	-0,159	3,5000	1.131,971	-0,82	6,0000	1.131,846	7,5000	1.131,771					7,7789	1.131,585	-0,186
0+271,283	-8,2014	1.132,617	0,701					-7,5000	1.131,916	-6,0000	1.132,291	-3,5000	1.132,416	-2,00	1.132,294	1.132,486	-0,192	3,5000	1.132,486	0,00	6,0000	1.132,361	7,5000	1.132,286					8,0862	1.131,895	-0,391
0+280,000	-8,2071	1.133,010	0,707					-7,5000	1.132,303	-6,0000	1.132,678	-3,5000	1.132,803	-2,00	1.132,626	1.132,873	-0,247	3,5000	1.132,895	0,63	6,0000	1.132,770	7,5000	1.132,695					8,4161	1.132,084	-0,611
0+284,249	-8,1993	1.133,193	0,699					-7,5000	1.132,494	-6,0000	1.132,869	-3,5000	1.132,994	-2,00	1.132,794	1.133,064	-0,270	3,5000	1.133,097	0,94	6,0000	1.132,972	7,5000	1.132,897					8,0654	1.132,520	-0,377
0+298,870	-8,1416	1.133,795	0,642					-7,5000	1.133,153	-6,0000	1.133,528	-3,5000	1.133,653	-2,00	1.133,381	1.133,723	-0,342	3,5000	1.133,793	2,00	6,0000	1.133,668	7,5000	1.133,593					8,0214	1.133,245	-0,348
0+300,000	-8,1459	1.133,847	0,646					-7,5000	1.133,201	-6,0000	1.133,576	-3,5000	1.133,701	-2,08	1.133,429	1.133,774	-0,345	3,5000	1.133,847	2,08	6,0000	1.133,722	7,5000	1.133,647					8,0174	1.133,302	-0,345
0+311,283	-7,9246	1.134,105	0,425					-7,5000	1.133,680	-6,0000	1.134,055	-3,5000	1.134,180	-2,90	1.133,976	1.134,282	-0,306	3,5000	1.134,383	2,90	6,0000	1.134,283	7,5000	1.134,208					9,0759	1.133,157	-1,051
0+320,000	-7,6470	1.134,275	-0,098					-7,5000	1.134,373	-6,0000	1.134,448	-3,5000	1.134,573	-2,90	1.134,426	1.134,674	-0,248	3,5000	1.134,776	2,90	6,0000	1.134,676	7,5000	1.134,601					10,2340	1.132,778	-1,823
0+340,000	-7,8684	1.134,985	-0,246					-7,5000	1.135,231	-6,0000	1.135,306	-3,5000	1.135,431	-2,90	1.135,344	1.135,533	-0,189	3,5000	1.135,634	2,90	6,0000	1.135,534	7,5000	1.135,459					10,6516	1.133,358	-2,101
0+360,000	-7,6555	1.135,900	-0,104					-7,5000	1.136,004	-6,0000	1.136,079	-3,5000	1.136,204	-2,90	1.136,175	1.136,306	-0,131	3,5000	1.136,407	2,90	6,0000	1.136,307	7,5000	1.136,232					9,9970	1.134,567	-1,665
0+380,000	-7,8817	1.136,438	-0,254					-7,5000	1.136,692	-6,0000	1.136,767	-3,5000	1.136,892	-2,90	1.136,796	1.136,994	-0,198	3,5000	1.137,095	2,90	6,0000	1.136,995	7,5000	1.136,920					8,6420	1.136,159	-0,761
0+400,000	-7,7200	1.137,148	-0,147					-7,5000	1.137,295	-6,0000	1.137,370	-3,5000	1.137,495	-2,90	1.137,337	1.137,596	-0,259	3,5000	1.137,698	2,90	6,0000	1.137,598	7,5000	1.137,523					8,2030	1.137,054	-0,469
0+420,000	-7,6694	1.137,742	-0,113					-7,5000	1.137,855	-6,0000	1.137,930	-3,5000	1.138,055	-2,90	1.137,882	1.138,157	-0,275	3,5000	1.138,258	2,90	6,0000	1.138,158	7,5000	1.138,083					8,1071	1.137,678	-0,405
0+440,000	-7,5701	1.138,369	-0,047					-7,5000	1.138,416	-6,0000	1.138,491	-3,5000	1.138,616	-2,90	1.138,458	1.138,717	-0,259	3,5000	1.138,819	2,90	6,0000	1.138,719	7,5000	1.138,644					7,9815	1.138,323	-0,321
0+460,000	-7,5340	1.139,010	0,034					-7,5000	1.138,976	-6,0000	1.139,051	-3,5000	1.139,176	-2,90	1.139,015	1.139,278	-0,263	3,5000	1.139,379	2,90	6,0000	1.139,279	7,5000	1.139,204					7,7747	1.139,021	-0,183
0+480,000	-7,5546	1.139,591	0,055					-7,5000	1.139,536	-6,0000	1.139,611	-3,5000	1.139,736	-2,90	1.139,540	1.139,838	-0,298	3,5000	1.139,939	2,90	6,0000	1.139,839	7,5000	1.139,764					7,7783	1.139,578	-0,186
0+500,000	-7,8759	1.140,173	0,376					-7,5000	1.139,797	-6,0000	1.140,172	-3,5000	1.140,297	-2,90	1.140,101	1.140,398	-0,297	3,5000	1.140,500	2,90	6,0000	1.140,400	7,5000	1.140,325					8,0847	1.139,935	-0,390
0+520,000	-8,3444	1.141,201	0,844					-7,5000	1.140,357	-6,0000	1.140,732	-3,5000	1.140,857	-2,90	1.140,665	1.140,959	-0,294	3,5000	1.141,060	2,90	6,0000	1.140,960	7,5000	1.140,885					8,3016	1.140,351	-0,534
0+540,000	-8,5225	1.141,995	1,022					-7,5000	1.140,973	-6,0000	1.141,348	-3,5000	1.141,473	-2,90	1.141,226	1.141,575	-0,349	3,5000	1.141,676	2,90	6,0000	1.141,576	7,5000	1.141,501					8,4586	1.140,862	-0,639
0+560,000	-8,4072	1.142,608	0,907					-7,5000	1.141,701	-6,0000	1.142,076	-3,5000	1.142,201	-2,90	1.141,953	1.142,303	-0,350	3,5000	1.142,404	2,90	6,0000	1.142,304	7,5000	1.142,229					8,5217	1.141,548	-0,681
0+580,000	-8,0405	1.143,081	0,540					-7,5000	1.142,541	-6,0000	1.142,916	-3,5000	1.143,041	-2,90	1.142,717	1.143,142	-0,425	3,5000	1.143,244	2,90	6,0000	1.143,144	7,5000	1.143,069					9,4256	1.141,785	-1,284
0+600,000	-8,1092	1.143,386	-0,406					-7,5000	1.143,792	-6,0000	1.143,867	-3,5000	1.143,992	-2,90	1.143,627	1.144,093	-0,466	3,5000	1.144,195	2,90	6,0000	1.144,095	7,5000	1.144,020					11,0115	1.141,679	-2,341
0+620,000	-7,5762	1.144,804	-0,051					-7,5000	1.144,855	-6,0000	1.144,930	-3,5000	1.145,055	-2,90	1.144,736	1.145,156	-0,420	3,5000	1.145,258	2,90	6,0000	1.145,158	7,5000	1.145,083					10,9011	1.142,816	-2,267
0+640,000	-8,2235	1.146,454	0,724					-7,5000	1.145,730	-6,0000	1.146,105	-3,5000	1.146,230	-2,90	1.145,905	1.146,331	-0,426	3,5000	1.146,433	2,90	6,0000	1.146,333	7,5000	1.146,258					10,6631	1.144,149	-2,109



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DA CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO													
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET		
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT	
0+660,000	-8,3075	1.146,722	-0,538					-7,5000	1.147,260	-6,0000	1.147,335	-3,5000	1.147,460	-2,90	1.147,148	1.147,562	-0,414	3,5000	1.147,663	2,90	6,0000	1.147,563	7,5000	1.147,488					9,8723	1.145,906	-1,582
0+680,000	-8,8063	1.147,619	-0,871					-7,5000	1.148,490	-6,0000	1.148,565	-3,5000	1.148,690	-2,90	1.148,475	1.148,792	-0,316	3,5000	1.148,893	2,90	6,0000	1.148,793	7,5000	1.148,718					8,6902	1.147,925	-0,793
0+700,000	-8,0282	1.149,303	-0,352					-7,5000	1.149,655	-6,0000	1.149,730	-3,5000	1.149,855	-2,90	1.149,722	1.149,957	-0,235	3,5000	1.150,058	2,90	6,0000	1.149,958	7,5000	1.149,883					8,2418	1.149,388	-0,495
0+706,846	-7,6833	1.149,902	-0,122					-7,5000	1.150,024	-6,0000	1.150,099	-3,5000	1.150,224	-2,90	1.150,133	1.150,326	-0,193	3,5000	1.150,427	2,90	6,0000	1.150,327	7,5000	1.150,252					8,0535	1.149,883	-0,369
0+719,259	-7,8618	1.150,747	0,362					-7,5000	1.150,385	-6,0000	1.150,760	-3,5000	1.150,885	-2,00	1.150,837	1.150,955	-0,118	3,5000	1.151,025	2,00	6,0000	1.150,900	7,5000	1.150,825					7,6618	1.150,717	-0,108
0+720,000	-7,8781	1.150,799	0,378					-7,5000	1.150,421	-6,0000	1.150,796	-3,5000	1.150,921	-2,00	1.150,879	1.150,991	-0,112	3,5000	1.151,059	1,95	6,0000	1.150,934	7,5000	1.150,859					7,6373	1.150,767	-0,092
0+733,880	-7,9236	1.151,486	0,424					-7,5000	1.151,062	-6,0000	1.151,437	-3,5000	1.151,562	-2,00	1.151,565	1.151,632	-0,067	3,5000	1.151,665	0,94	6,0000	1.151,540	7,5000	1.151,465					7,5185	1.151,453	-0,012
0+740,000	-7,8771	1.151,701	0,377					-7,5000	1.151,324	-6,0000	1.151,699	-3,5000	1.151,824	-2,00	1.151,781	1.151,894	-0,113	3,5000	1.151,912	0,50	6,0000	1.151,787	7,5000	1.151,712					7,6057	1.151,642	-0,070
0+746,846	-7,5186	1.151,922	0,019					-7,5000	1.151,903	-6,0000	1.151,978	-3,5000	1.152,103	-2,00	1.152,023	1.152,173	-0,150	3,5000	1.152,173	0,00	6,0000	1.152,048	7,5000	1.151,973					7,7421	1.151,812	-0,161
0+760,000	-7,5679	1.152,352	-0,045					-7,5000	1.152,397	-6,0000	1.152,472	-3,5000	1.152,597	-2,00	1.152,480	1.152,667	-0,187	3,5000	1.152,633	-0,95	6,0000	1.152,508	7,5000	1.152,433					7,9093	1.152,160	-0,273
0+774,432	-7,5698	1.152,826	-0,047					-7,5000	1.152,873	-6,0000	1.152,948	-3,5000	1.153,073	-2,00	1.152,961	1.153,143	-0,182	3,5000	1.153,073	-2,00	6,0000	1.152,948	7,5000	1.152,873					8,1282	1.152,454	-0,419
0+780,000	-7,5856	1.152,981	-0,057					-7,5000	1.153,038	-6,0000	1.153,113	-3,5000	1.153,238	-2,00	1.153,135	1.153,308	-0,173	3,5000	1.153,238	-2,00	6,0000	1.153,113	7,5000	1.153,038					8,3089	1.152,499	-0,539
0+800,000	-7,6916	1.153,420	-0,128					-7,5000	1.153,548	-6,0000	1.153,623	-3,5000	1.153,748	-2,00	1.153,596	1.153,818	-0,222	3,5000	1.153,748	-2,00	6,0000	1.153,623	7,5000	1.153,548					9,0803	1.152,494	-1,054
0+820,000	-7,6445	1.153,897	-0,096					-7,5000	1.153,993	-6,0000	1.154,068	-3,5000	1.154,193	-2,00	1.154,012	1.154,263	-0,251	3,5000	1.154,193	-2,00	6,0000	1.154,068	7,5000	1.153,993					12,1828	1.150,871	-3,122
0+840,000	-7,5083	1.154,446	0,008					-7,5000	1.154,438	-6,0000	1.154,513	-3,5000	1.154,638	-2,00	1.154,428	1.154,708	-0,280	3,5000	1.154,638	-2,00	6,0000	1.154,513	7,5000	1.154,438					13,9405	1.150,144	-4,294
0+860,000	-7,5338	1.154,941	-0,023					-7,5000	1.154,964	-6,0000	1.155,039	-3,5000	1.155,164	-2,00	1.154,853	1.155,234	-0,381	3,5000	1.155,164	-2,00	6,0000	1.155,039	7,5000	1.154,964					15,2284	1.149,812	-5,152
0+880,000	-7,6119	1.155,576	-0,075					-7,5000	1.155,651	-6,0000	1.155,726	-3,5000	1.155,851	-2,00	1.155,551	1.155,921	-0,370	3,5000	1.155,851	-2,00	6,0000	1.155,726	7,5000	1.155,651					14,3624	1.151,076	-4,575
0+900,000	-7,8050	1.156,297	-0,203					-7,5000	1.156,500	-6,0000	1.156,575	-3,5000	1.156,700	-2,00	1.156,384	1.156,770	-0,386	3,5000	1.156,700	-2,00	6,0000	1.156,575	7,5000	1.156,500					14,1248	1.152,083	-4,417
0+920,000	-7,9853	1.157,186	-0,324					-7,5000	1.157,510	-6,0000	1.157,585	-3,5000	1.157,710	-2,00	1.157,434	1.157,780	-0,346	3,5000	1.157,710	-2,00	6,0000	1.157,585	7,5000	1.157,510					14,1458	1.153,079	-4,431
0+940,000	-8,0345	1.158,325	-0,356					-7,5000	1.158,681	-6,0000	1.158,756	-3,5000	1.158,881	-2,00	1.158,697	1.158,951	-0,254	3,5000	1.158,881	-2,00	6,0000	1.158,756	7,5000	1.158,681					12,2806	1.155,494	-3,187
0+960,000	-7,8084	1.159,728	-0,206					-7,5000	1.159,934	-6,0000	1.160,009	-3,5000	1.160,134	-2,00	1.160,047	1.160,204	-0,157	3,5000	1.160,134	-2,00	6,0000	1.160,009	7,5000	1.159,934					7,7167	1.159,790	-0,144
0+980,000	-7,8078	1.160,981	-0,205					-7,5000	1.161,186	-6,0000	1.161,261	-3,5000	1.161,386	-2,00	1.161,304	1.161,456	-0,152	3,5000	1.161,386	-2,00	6,0000	1.161,261	7,5000	1.161,186					7,6088	1.161,113	-0,073
1	-7,8318	1.162,217	-0,221					-7,5000	1.162,438	-6,0000	1.162,513	-3,5000	1.162,638	-2,00	1.162,511	1.162,708	-0,197	3,5000	1.162,638	-2,00	6,0000	1.162,513	7,5000	1.162,438					8,7295	1.161,618	-0,820
1+20,000	-7,8094	1.163,636	0,309					-7,5000	1.163,327	-6,0000	1.163,702	-3,5000	1.163,827	-2,00	1.163,746	1.163,897	-0,151	3,5000	1.163,827	-2,00	6,0000	1.163,702	7,5000	1.163,627					9,6138	1.162,218	-1,409
1+40,000	-7,7851	1.164,674	0,285					-7,5000	1.164,389	-6,0000	1.164,764	-3,5000	1.164,889	-2,00	1.164,926	1.164,959	-0,033	3,5000	1.164,889	-2,00	6,0000	1.164,764	7,5000	1.164,689					8,9354	1.163,732	-0,957
1+60,000	-7,9394	1.165,763	0,439					-7,5000	1.165,324	-6,0000	1.165,699	-3,5000	1.165,824	-2,00	1.166,054	1.165,894	0,160	3,5000	1.165,824	-2,00	6,0000	1.165,699	7,5000	1.165,624					7,8462	1.165,393	-0,231
1+80,000	-8,0535	1.166,687	0,554					-7,5000	1.166,133	-6,0000	1.166,508	-3,5000	1.166,633	-2,00	1.167,031	1.166,703	0,328	3,5000	1.166,633	-2,00	6,0000	1.166,508	7,5000	1.166,433					7,6712	1.166,319	-0,114
1+100,000	-8,2131	1.167,528	0,713					-7,5000	1.166,815	-6,0000	1.167,190	-3,5000	1.167,315	-2,00	1.167,868	1.167,385	0,483	3,5000	1.167,315	-2,00	6,0000	1.167,190	7,5000	1.167,115					7,5410	1.167,156	0,041
1+120,000	-8,7056	1.168,576	1,206					-7,5000	1.167,370	-6,0000	1.167,745	-3,5000	1.167,870	-2,00	1.168,592	1.167,940	0,652	3,5000	1.167,870	-2,00	6,0000	1.167,745	7,5000	1.167,670					7,6211	1.167,791	0,121
1+140,000	-8,6220	1.168,920	1,122					-7,5000	1.167,798	-6,0000	1.168,173	-3,5000	1.168,298	-2,00	1.168,936	1.168,368	0,568	3,5000	1.168,298	-2,00	6,0000	1.168,173	7,5000	1.168,098					7,5990	1.168,197	0,099
1+160,000	-8,5167	1.169,117	1,017					-7,5000	1.168,100	-6,0000	1.168,475	-3,5000	1.168,600	-2,00	1.169,201	1.168,670	0,531	3,5000	1.168,600	-2,00	6,0000	1.168,475	7,5000	1.168,400					7,5074	1.168,407	0,007



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DA CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO															
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET				
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT			
1+180,000	-8,4476	1.169,222	0,948					-7,5000	1.168,274	-6,0000	1.168,649	-3,5000	1.168,774	-2,00	1.169,294	1.168,844	0,450	3,5000	1.168,774	-2,00	6,0000	1.168,649	7,5000	1.168,574							7,7103	1.168,434	-0,140
1+200,000	-8,4688	1.169,292	0,969					-7,5000	1.168,323	-6,0000	1.168,698	-3,5000	1.168,823	-2,00	1.169,173	1.168,893	0,280	3,5000	1.168,823	-2,00	6,0000	1.168,698	7,5000	1.168,623							7,9231	1.168,341	-0,282
1+220,000	-8,0577	1.168,802	0,558					-7,5000	1.168,244	-6,0000	1.168,619	-3,5000	1.168,744	-2,00	1.168,763	1.168,814	-0,051	3,5000	1.168,744	-2,00	6,0000	1.168,619	7,5000	1.168,544							7,5450	1.168,514	-0,030
1+240,000	-9,7184	1.170,257	2,218					-7,5000	1.168,039	-6,0000	1.168,414	-3,5000	1.168,539	-2,00	1.168,374	1.168,609	-0,235	3,5000	1.168,539	-2,00	6,0000	1.168,414	7,5000	1.168,039							9,0323	1.169,571	1,532
1+260,000	-10,0404	1.170,388	2,540					-7,5000	1.167,848	-6,0000	1.168,223	-3,5000	1.168,348	-2,00	1.168,070	1.168,418	-0,348	3,5000	1.168,348	-2,00	6,0000	1.168,223	7,5000	1.168,148							7,7068	1.168,010	-0,138
1+280,000	-8,8589	1.169,172	1,359					-7,5000	1.167,813	-6,0000	1.168,188	-3,5000	1.168,313	-2,00	1.167,799	1.168,383	-0,584	3,5000	1.168,313	-2,00	6,0000	1.168,188	7,5000	1.168,113							9,7039	1.166,644	-1,469
1+300,000	-7,8301	1.168,013	-0,220					-7,5000	1.168,233	-6,0000	1.168,308	-3,5000	1.168,433	-2,00	1.167,535	1.168,503	-0,968	3,5000	1.168,433	-2,00	6,0000	1.168,308	7,5000	1.168,233							12,3972	1.164,968	-3,265
1+320,000	-9,2470	1.167,344	-1,165					-7,5000	1.168,509	-6,0000	1.168,584	-3,5000	1.168,709	-2,00	1.167,324	1.168,779	-1,455	3,5000	1.168,709	-2,00	6,0000	1.168,584	7,5000	1.168,509							16,5503	1.162,475	-6,034
1+340,000	-11,2778	1.166,422	-2,519					-7,5000	1.168,941	-6,0000	1.169,016	-3,5000	1.169,141	-2,00	1.167,299	1.169,211	-1,912	3,5000	1.169,141	-2,00	6,0000	1.169,016	7,5000	1.168,941							18,0772	1.161,890	-7,051
1+360,000	-11,7318	1.166,708	-2,821					-7,5000	1.169,529	-6,0000	1.169,604	-3,5000	1.169,729	-2,00	1.167,481	1.169,799	-2,318	3,5000	1.169,729	-2,00	6,0000	1.169,604	7,5000	1.169,529							18,5034	1.162,193	-7,336
1+380,000	-10,9903	1.167,946	-2,327					-7,5000	1.170,273	-6,0000	1.170,348	-3,5000	1.170,473	-2,00	1.168,254	1.170,543	-2,289	3,5000	1.170,473	-2,00	6,0000	1.170,348	7,5000	1.170,273							15,1597	1.165,167	-5,106
1+400,000	-10,2911	1.169,311	-1,861					-7,5000	1.171,172	-6,0000	1.171,247	-3,5000	1.171,372	-2,00	1.169,524	1.171,442	-1,918	3,5000	1.171,372	-2,00	6,0000	1.171,247	7,5000	1.171,172							12,4919	1.167,844	-3,328
1+420,000	-9,4382	1.170,935	-1,292					-7,5000	1.172,227	-6,0000	1.172,302	-3,5000	1.172,427	-2,00	1.171,077	1.172,497	-1,420	3,5000	1.172,427	-2,00	6,0000	1.172,302	7,5000	1.172,227							10,8870	1.169,969	-2,258
1+440,000	-8,3892	1.172,845	-0,593					-7,5000	1.173,438	-6,0000	1.173,513	-3,5000	1.173,638	-2,00	1.172,815	1.173,708	-0,893	3,5000	1.173,638	-2,00	6,0000	1.173,513	7,5000	1.173,438							9,3868	1.172,180	-1,258
1+460,000	-8,4706	1.174,157	-0,647					-7,5000	1.174,804	-6,0000	1.174,879	-3,5000	1.175,004	-2,00	1.174,628	1.175,074	-0,446	3,5000	1.175,004	-2,00	6,0000	1.174,879	7,5000	1.174,804							7,5262	1.174,787	-0,017
1+480,000	-9,3874	1.177,913	1,887					-7,5000	1.176,026	-6,0000	1.176,401	-3,5000	1.176,526	-2,00	1.176,458	1.176,596	-0,138	3,5000	1.176,526	-2,00	6,0000	1.176,401	7,5000	1.176,026							9,0819	1.177,608	1,582
1+500,000	-10,0613	1.180,187	2,561					-7,5000	1.177,626	-6,0000	1.178,001	-3,5000	1.178,126	-2,00	1.178,265	1.178,196	0,069	3,5000	1.178,126	-2,00	6,0000	1.178,001	7,5000	1.177,626							9,7342	1.179,860	2,234
1+520,000	-10,6974	1.182,423	3,197					-7,5000	1.179,226	-6,0000	1.179,601	-3,5000	1.179,726	-2,00	1.180,072	1.179,796	0,276	3,5000	1.179,726	-2,00	6,0000	1.179,601	7,5000	1.179,226							10,3115	1.182,038	2,812
1+540,000	-11,1603	1.184,486	3,660					-7,5000	1.180,826	-6,0000	1.181,201	-3,5000	1.181,326	-2,00	1.181,817	1.181,396	0,421	3,5000	1.181,326	-2,00	6,0000	1.181,201	7,5000	1.180,826							10,5233	1.183,849	3,023
1+560,000	-10,6338	1.185,510	3,134					-7,5000	1.182,376	-6,0000	1.182,751	-3,5000	1.182,876	-2,00	1.183,289	1.182,946	0,343	3,5000	1.182,876	-2,00	6,0000	1.182,751	7,5000	1.182,376							10,7074	1.185,583	3,207
1+580,000	-10,2977	1.186,624	2,798					-7,5000	1.183,826	-6,0000	1.184,201	-3,5000	1.184,326	-2,00	1.184,458	1.184,396	0,062	3,5000	1.184,326	-2,00	6,0000	1.184,201	7,5000	1.183,826							8,2996	1.184,626	0,800
1+600,000	-9,9894	1.187,665	2,489					-7,5000	1.185,176	-6,0000	1.185,551	-3,5000	1.185,676	-2,00	1.185,530	1.185,746	-0,216	3,5000	1.185,676	-2,00	6,0000	1.185,551	7,5000	1.185,176							7,9251	1.185,601	0,425
1+620,000	-8,1311	1.187,057	0,631					-7,5000	1.186,426	-6,0000	1.186,801	-3,5000	1.186,926	-2,00	1.186,595	1.186,996	-0,401	3,5000	1.186,926	-2,00	6,0000	1.186,801	7,5000	1.186,426							8,0024	1.186,928	0,502
1+640,000	-7,7930	1.187,919	0,293					-7,5000	1.187,626	-6,0000	1.188,001	-3,5000	1.188,126	-2,00	1.187,712	1.188,196	-0,484	3,5000	1.188,126	-2,00	6,0000	1.188,001	7,5000	1.187,626							8,1810	1.188,307	0,681
1+660,000	-8,1945	1.189,520	0,694					-7,5000	1.188,826	-6,0000	1.189,201	-3,5000	1.189,326	-2,00	1.188,887	1.189,396	-0,509	3,5000	1.189,326	-2,00	6,0000	1.189,201	7,5000	1.189,520							7,5523	1.189,091	-0,035
1+680,000	-7,5386	1.190,365	0,039					-7,5000	1.190,326	-6,0000	1.190,401	-3,5000	1.190,526	-2,00	1.189,979	1.190,596	-0,617	3,5000	1.190,526	-2,00	6,0000	1.190,401	7,5000	1.190,326							7,7337	1.190,170	-0,156
1+700,000	-8,3443	1.190,963	-0,563					-7,5000	1.191,526	-6,0000	1.191,601	-3,5000	1.191,726	-2,00	1.191,075	1.191,796	-0,721	3,5000	1.191,726	-2,00	6,0000	1.191,601	7,5000	1.191,526							8,2768	1.191,008	-0,518
1+720,000	-8,0586	1.192,354	-0,372					-7,5000	1.192,726	-6,0000	1.192,801	-3,5000	1.192,926	-2,00	1.192,235	1.192,996	-0,761	3,5000	1.192,926	-2,00	6,0000	1.192,801	7,5000	1.192,726							8,4197	1.192,113	-0,613
1+740,000	-7,6265	1.193,842	-0,084					-7,5000	1.193,926	-6,0000	1.194,001	-3,5000	1.194,126	-2,00	1.193,508	1.194,196	-0,688	3,5000	1.194,126	-2,00	6,0000	1.194,001	7,5000	1.193,842							7,9935	1.194,120	0,494
1+760,000	-7,8884	1.195,214	0,388					-7,5000	1.194,826	-6,0000	1.195,201	-3,5000	1.195,326	-2,00	1.194,748	1.195,396	-0,648	3,5000	1.195,326	-2,00	6,0000	1.195,201	7,5000	1.195,214							7,6950	1.194,996	-0,130
1+780,000	-7,9527	1.196,454	0,453					-7,5000	1.196,001	-6,0000	1.196,376	-3,5000	1.196,501	-2,00	1.195,982	1.196,571	-0,589	3,5000	1.196,501	-2,00	6,0000	1.196,376	7,5000	1.196,454							7,9497	1.196,001	-0,300



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DA CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO													
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET		
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT	
1+800,000	-7,9437	1.197,570	0,444					-7,5000	1.197,126	-6,0000	1.197,501	-3,5000	1.197,626	-2,00	1.197,179	1.197,696	-0,517	3,5000	1.197,626	-2,00	6,0000	1.197,501	7,5000	1.197,426	8,1000	1.197,026	20,1000	1.195,026	22,5786	1.197,505	2,479
1+820,000	-8,1164	1.198,817	0,616					-7,5000	1.198,201	-6,0000	1.198,576	-3,5000	1.198,701	-2,00	1.198,298	1.198,771	-0,473	3,5000	1.198,701	-2,00	6,0000	1.198,576	7,5000	1.198,501	8,1000	1.198,101	20,1000	1.196,101	22,7105	1.198,712	2,611
1+840,000	-8,1936	1.199,919	0,694					-7,5000	1.199,225	-6,0000	1.199,600	-3,5000	1.199,725	-2,00	1.199,348	1.199,795	-0,447	3,5000	1.199,725	-2,00	6,0000	1.199,600	7,5000	1.199,525	8,1000	1.199,125	20,1000	1.197,125	22,8933	1.199,918	2,793
1+860,000	-8,1486	1.200,849	0,649					-7,5000	1.200,200	-6,0000	1.200,575	-3,5000	1.200,700	-2,00	1.200,346	1.200,770	-0,424	3,5000	1.200,700	-2,00	6,0000	1.200,575	7,5000	1.200,500	8,1000	1.200,100	20,1000	1.198,100	22,9663	1.200,966	2,866
1+880,000	-7,6889	1.201,299	-0,126					-7,5000	1.201,425	-6,0000	1.201,500	-3,5000	1.201,625	-2,00	1.201,276	1.201,695	-0,419	3,5000	1.201,625	-2,00	6,0000	1.201,500	7,5000	1.201,425	8,1000	1.201,025	20,1000	1.199,025	22,9870	1.201,912	2,887
1+900,000	-7,9078	1.202,027	-0,272					-7,5000	1.202,299	-6,0000	1.202,374	-3,5000	1.202,499	-2,00	1.202,163	1.202,569	-0,406	3,5000	1.202,499	-2,00	6,0000	1.202,374	7,5000	1.202,299	8,1000	1.201,899	20,1000	1.199,899	22,8927	1.202,692	2,793
1+920,000	-7,8808	1.203,204	0,381					-7,5000	1.202,823	-6,0000	1.203,198	-3,5000	1.203,323	-2,00	1.202,911	1.203,393	-0,482	3,5000	1.203,323	-2,00	6,0000	1.203,198	7,5000	1.203,123	8,1000	1.202,723	20,1000	1.200,723	22,8904	1.203,513	2,790
1+940,000	-7,8920	1.203,990	0,392					-7,5000	1.203,598	-6,0000	1.203,973	-3,5000	1.204,098	-2,00	1.203,619	1.204,168	-0,549	3,5000	1.204,098	-2,00	6,0000	1.203,973	7,5000	1.203,898	8,1000	1.203,498	20,1000	1.201,498	22,8308	1.204,229	2,731
1+960,000	-7,8827	1.204,705	0,383					-7,5000	1.204,322	-6,0000	1.204,697	-3,5000	1.204,822	-2,00	1.204,336	1.204,892	-0,556	3,5000	1.204,822	-2,00	6,0000	1.204,697	7,5000	1.204,622	8,1000	1.204,222	20,1000	1.202,222	22,8231	1.204,945	2,723
1+980,000	-7,9684	1.205,489	0,468					-7,5000	1.205,021	-6,0000	1.205,396	-3,5000	1.205,521	-2,00	1.205,077	1.205,591	-0,514	3,5000	1.205,521	-2,00	6,0000	1.205,396	7,5000	1.205,321	8,1000	1.204,921	20,1000	1.202,921	22,8790	1.205,700	2,779
2	-7,9720	1.206,192	0,472					-7,5000	1.205,720	-6,0000	1.206,095	-3,5000	1.206,220	-2,00	1.205,782	1.206,290	-0,508	3,5000	1.206,220	-2,00	6,0000	1.206,095	7,5000	1.206,020	8,1000	1.205,620	20,1000	1.203,620	22,8511	1.206,371	2,751
2+20,000	-7,9510	1.206,870	0,451					-7,5000	1.206,419	-6,0000	1.206,794	-3,5000	1.206,919	-2,00	1.206,501	1.206,989	-0,488	3,5000	1.206,919	-2,00	6,0000	1.206,794	7,5000	1.206,719	8,1000	1.206,319	20,1000	1.204,319	22,8181	1.207,037	2,718
2+33,644	-7,9360	1.207,332	0,436					-7,5000	1.206,896	-6,0000	1.207,271	-3,5000	1.207,396	-2,00	1.207,013	1.207,466	-0,453	3,5000	1.207,396	-2,00	6,0000	1.207,271	7,5000	1.207,196	8,1000	1.206,796	20,1000	1.204,796	22,7755	1.207,472	2,676
2+40,000	-7,9318	1.207,551	0,432					-7,5000	1.207,119	-6,0000	1.207,494	-3,5000	1.207,619	-2,00	1.207,232	1.207,689	-0,457	3,5000	1.207,619	-2,00	6,0000	1.207,494	7,5000	1.207,419	8,1000	1.207,019	20,1000	1.205,019	22,7358	1.207,655	2,636
2+60,000	-7,9277	1.208,246	0,428					-7,5000	1.207,818	-6,0000	1.208,193	-3,5000	1.208,318	-2,00	1.207,912	1.208,388	-0,476	3,5000	1.208,318	-2,00	6,0000	1.208,193	7,5000	1.208,118	8,1000	1.207,718	20,1000	1.205,718	22,7436	1.208,362	2,644
2+80,000	-7,9954	1.209,012	0,495					-7,5000	1.208,517	-6,0000	1.208,892	-3,5000	1.209,017	-2,00	1.208,542	1.209,087	-0,545	3,5000	1.209,017	-2,00	6,0000	1.208,892	7,5000	1.208,817	8,1000	1.208,417	20,1000	1.206,417	22,9666	1.209,284	2,867
2+100,000	-7,8781	1.209,594	0,378					-7,5000	1.209,216	-6,0000	1.209,591	-3,5000	1.209,716	-2,00	1.209,265	1.209,786	-0,521	3,5000	1.209,716	-2,00	6,0000	1.209,591	7,5000	1.209,516	8,1000	1.209,116	20,1000	1.207,116	23,1816	1.210,198	3,082
2+110,000	-7,6685	1.209,754	-0,112					-7,5000	1.209,866	-6,0000	1.209,941	-3,5000	1.210,066	-2,00	1.209,638	1.210,136	-0,498	3,5000	1.210,066	-2,00	6,0000	1.209,941	7,5000	1.209,866	8,1000	1.209,466	20,1000	1.207,466	23,0620	1.210,428	2,962
2+120,000	-7,7121	1.210,073	-0,141					-7,5000	1.210,214	-6,0000	1.210,289	-3,5000	1.210,414	-2,00	1.210,009	1.210,484	-0,475	3,5000	1.210,414	-2,00	6,0000	1.210,289	7,5000	1.210,214	8,1000	1.209,814	20,1000	1.207,814	22,9448	1.210,659	2,845
2+140,000	-7,6214	1.210,820	-0,081					-7,5000	1.210,901	-6,0000	1.210,976	-3,5000	1.211,101	-2,00	1.210,749	1.211,171	-0,422	3,5000	1.211,101	-2,00	6,0000	1.210,976	7,5000	1.210,901	8,1000	1.210,501	20,1000	1.208,501	22,7969	1.211,198	2,697
2+160,000	-7,5426	1.211,548	-0,028					-7,5000	1.211,576	-6,0000	1.211,651	-3,5000	1.211,776	-2,00	1.211,291	1.211,846	-0,555	3,5000	1.211,776	-2,00	6,0000	1.211,651	7,5000	1.211,576	8,1000	1.211,176	20,1000	1.209,176	22,7697	1.211,846	2,670
2+180,000	-7,5157	1.212,256	0,016					-7,5000	1.212,240	-6,0000	1.212,315	-3,5000	1.212,440	-2,00	1.211,908	1.212,510	-0,602	3,5000	1.212,440	-2,00	6,0000	1.212,315	7,5000	1.212,240	8,1000	1.211,840	20,1000	1.209,840	22,8521	1.212,592	2,752
2+200,000	-7,7288	1.212,739	-0,153					-7,5000	1.212,892	-6,0000	1.212,967	-3,5000	1.213,092	-2,00	1.212,525	1.213,162	-0,637	3,5000	1.213,092	-2,00	6,0000	1.212,967	7,5000	1.212,892	8,1000	1.212,492	20,1000	1.210,492	22,9479	1.213,340	2,848
2+220,000	-8,1927	1.213,070	-0,462					-7,5000	1.213,532	-6,0000	1.213,607	-3,5000	1.213,732	-2,00	1.213,121	1.213,802	-0,681	3,5000	1.213,732	-2,00	6,0000	1.213,607	7,5000	1.213,532	8,1000	1.213,132	20,1000	1.211,132	23,0570	1.214,089	2,957
2+240,000	-7,7496	1.213,994	-0,166					-7,5000	1.214,160	-6,0000	1.214,235	-3,5000	1.214,360	-2,00	1.213,714	1.214,430	-0,716	3,5000	1.214,360	-2,00	6,0000	1.214,235	7,5000	1.214,160	8,1000	1.213,760	20,1000	1.211,760	23,1777	1.214,838	3,078
2+260,000	-7,5421	1.214,748	-0,028					-7,5000	1.214,776	-6,0000	1.214,851	-3,5000	1.214,976	-2,00	1.214,382	1.215,046	-0,664	3,5000	1.214,976	-2,00	6,0000	1.214,851	7,5000	1.214,776	8,1000	1.214,376	20,1000	1.212,376	22,8032	1.215,079	2,703
2+280,000	-7,7207	1.215,233	-0,147					-7,5000	1.215,380	-6,0000	1.215,455	-3,5000	1.215,580	-2,00	1.214,992	1.215,650	-0,658	3,5000	1.215,580	-2,00	6,0000	1.215,455	7,5000	1.215,380	8,1000	1.214,980	20,1000	1.212,980	22,7995	1.215,679	2,699
2+300,000	-8,3943	1.215,376	-0,596					-7,5000	1.215,972	-6,0000	1.216,047	-3,5000	1.216,172	-2,00	1.215,537	1.216,242	-0,705	3,5000	1.216,172	-2,00	6,0000	1.216,047	7,5000	1.215,972	8,1000	1.215,572	20,1000	1.213,572	22,8149	1.216,287	2,715
2+320,000	-7,9618	1.216,245	-0,308					-7,5000	1.216,553	-6,0000	1.216,628	-3,5000	1.216,753	-2,00	1.216,064	1.216,823	-0,759	3,5000	1.216,753	-2,00	6,0000	1.216,628	7,5000	1.216,553	8,1000	1.216,153	20,1000	1.214,153	22,7643	1.216,817	2,664
2+340,000	-7,8249	1.216,905	-0,217					-7,5000	1.217,122	-6,0000	1.217,197	-3,5000	1.217,322	-2,00	1.216,636	1.217,392	-0,756	3,5000	1.217,322	-2,00	6,0000	1.217,197	7,5000	1.217,122	8,1000	1.216,722	20,1000	1.214,722	22,7891	1.217,411	2,689
2+360,000	-8,0194	1.217,333	-0,346					-7,5000	1.217,679	-6,0000	1.217,754	-3,5000	1.217,879	-2,00	1.217,231	1.217,949	-0,718	3,5000	1.217,879	-2,00	6,0000	1.217,754	7,5000	1.217,679	8,1000	1.217,279	20,1000	1.215,279	22,8304	1.218,009	2,730



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DA CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO													
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET		
	DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT
2+380,000	-8,0751	1.217,841	-0,383					-7,5000	1.218,224	-6,0000	1.218,299	-3,5000	1.218,424	-2,00	1.217,760	1.218,494	-0,734	3,5000	1.218,424	-2,00	6,0000	1.218,299	7,5000	1.218,224	8,1000	1.217,824	20,1000	1.215,824	22,9909	1.218,715	2,891
2+400,000	-7,9905	1.218,430	-0,327					-7,5000	1.218,757	-6,0000	1.218,832	-3,5000	1.218,957	-2,00	1.218,308	1.219,027	-0,719	3,5000	1.218,957	-2,00	6,0000	1.218,832	7,5000	1.218,757	8,1000	1.218,357	20,1000	1.216,357	22,9604	1.219,217	2,860
2+420,000	-7,9090	1.219,005	-0,273					-7,5000	1.219,278	-6,0000	1.219,353	-3,5000	1.219,478	-2,00	1.218,841	1.219,548	-0,707	3,5000	1.219,478	-2,00	6,0000	1.219,353	7,5000	1.219,278	8,1000	1.218,878	20,1000	1.216,878	22,9293	1.219,707	2,829
2+440,000	-7,9064	1.219,516	-0,271					-7,5000	1.219,787	-6,0000	1.219,862	-3,5000	1.219,987	-2,00	1.219,336	1.220,057	-0,721	3,5000	1.219,987	-2,00	6,0000	1.219,862	7,5000	1.219,787	8,1000	1.219,387	20,1000	1.217,387	22,9243	1.220,211	2,824
2+460,000	-8,1386	1.219,859	-0,426					-7,5000	1.220,285	-6,0000	1.220,360	-3,5000	1.220,485	-2,00	1.219,772	1.220,555	-0,783	3,5000	1.220,485	-2,00	6,0000	1.220,360	7,5000	1.220,285	8,1000	1.219,885	20,1000	1.217,885	22,9303	1.220,715	2,830
2+480,000	-8,3414	1.220,209	-0,561					-7,5000	1.220,770	-6,0000	1.220,845	-3,5000	1.220,970	-2,00	1.220,214	1.221,040	-0,826	3,5000	1.220,970	-2,00	6,0000	1.220,845	7,5000	1.220,770	8,1000	1.220,370	20,1000	1.218,370	22,7394	1.221,009	2,639
2+500,000	-8,2490	1.220,745	-0,499					-7,5000	1.221,244	-6,0000	1.221,319	-3,5000	1.221,444	-2,00	1.220,637	1.221,514	-0,877	3,5000	1.221,444	-2,00	6,0000	1.221,319	7,5000	1.221,244					7,5724	1.221,316	0,072
2+520,000	-8,3542	1.221,137	-0,569					-7,5000	1.221,706	-6,0000	1.221,781	-3,5000	1.221,906	-2,00	1.221,062	1.221,976	-0,914	3,5000	1.221,906	-2,00	6,0000	1.221,781	7,5000	1.221,706					7,5192	1.221,693	-0,013
2+540,000	-8,2728	1.221,641	-0,515					-7,5000	1.222,156	-6,0000	1.222,231	-3,5000	1.222,356	-2,00	1.221,495	1.222,426	-0,931	3,5000	1.222,356	-2,00	6,0000	1.222,231	7,5000	1.222,156					7,9197	1.221,876	-0,280
2+560,000	-8,1352	1.222,172	-0,423					-7,5000	1.222,595	-6,0000	1.222,670	-3,5000	1.222,795	-2,00	1.221,930	1.222,865	-0,935	3,5000	1.222,795	-2,00	6,0000	1.222,670	7,5000	1.222,595					8,0601	1.222,222	-0,373
2+570,000	-8,1163	1.222,398	-0,411					-7,5000	1.222,809	-6,0000	1.222,884	-3,5000	1.223,009	-2,00	1.222,158	1.223,079	-0,921	3,5000	1.223,009	-2,00	6,0000	1.222,884	7,5000	1.222,809					8,1131	1.222,400	-0,409
2+580,000	-8,0317	1.222,668	-0,354					-7,5000	1.223,022	-6,0000	1.223,097	-3,5000	1.223,222	-2,00	1.222,417	1.223,292	-0,875	3,5000	1.223,222	-2,00	6,0000	1.223,097	7,5000	1.223,022					8,1801	1.222,569	-0,453
2+600,000	-8,0553	1.223,079	-0,370					-7,5000	1.223,449	-6,0000	1.223,524	-3,5000	1.223,649	-2,00	1.222,895	1.223,719	-0,824	3,5000	1.223,649	-2,00	6,0000	1.223,524	7,5000	1.223,449					7,7859	1.223,258	-0,191
2+620,000	-7,8875	1.223,617	-0,258					-7,5000	1.223,875	-6,0000	1.223,950	-3,5000	1.224,075	-2,00	1.223,502	1.224,145	-0,643	3,5000	1.224,075	-2,00	6,0000	1.223,950	7,5000	1.223,875					7,5994	1.223,809	-0,066
2+640,000	-8,1724	1.223,854	-0,448					-7,5000	1.224,302	-6,0000	1.224,377	-3,5000	1.224,502	-2,00	1.223,955	1.224,572	-0,617	3,5000	1.224,502	-2,00	6,0000	1.224,377	7,5000	1.224,302					7,6243	1.224,219	-0,083
2+660,000	-7,9571	1.224,423	-0,305					-7,5000	1.224,728	-6,0000	1.224,803	-3,5000	1.224,928	-2,00	1.224,447	1.224,998	-0,551	3,5000	1.224,928	-2,00	6,0000	1.224,803	7,5000	1.224,428					7,9232	1.224,851	0,423
2+680,000	-7,6152	1.225,077	-0,077					-7,5000	1.225,154	-6,0000	1.225,229	-3,5000	1.225,354	-2,00	1.224,975	1.225,424	-0,449	3,5000	1.225,354	-2,00	6,0000	1.225,229	7,5000	1.224,854					8,1399	1.225,494	0,640
2+700,000	-7,9061	1.225,687	0,406					-7,5000	1.225,281	-6,0000	1.225,656	-3,5000	1.225,781	-2,00	1.225,484	1.225,851	-0,367	3,5000	1.225,781	-2,00	6,0000	1.225,656	7,5000	1.225,581					7,9043	1.225,311	-0,270
2+720,000	-7,9467	1.226,154	0,447					-7,5000	1.225,707	-6,0000	1.226,082	-3,5000	1.226,207	-2,00	1.225,929	1.226,277	-0,348	3,5000	1.226,207	-2,00	6,0000	1.226,082	7,5000	1.225,707					7,8797	1.226,087	0,380
2+740,000	-8,0519	1.226,685	0,552					-7,5000	1.226,133	-6,0000	1.226,508	-3,5000	1.226,633	-2,00	1.226,622	1.226,703	-0,081	3,5000	1.226,633	-2,00	6,0000	1.226,508	7,5000	1.226,133					8,0001	1.226,633	0,500
2+760,000	-8,0266	1.227,087	0,527					-7,5000	1.226,560	-6,0000	1.226,935	-3,5000	1.227,060	-2,00	1.226,971	1.227,130	-0,159	3,5000	1.227,060	-2,00	6,0000	1.226,935	7,5000	1.226,560					8,1943	1.227,254	0,694
2+780,000	-8,0312	1.227,517	0,531					-7,5000	1.226,986	-6,0000	1.227,361	-3,5000	1.227,486	-2,00	1.227,322	1.227,556	-0,234	3,5000	1.227,486	-2,00	6,0000	1.227,361	7,5000	1.226,986					8,3065	1.227,793	0,807
2+800,000	-8,3032	1.228,216	0,803					-7,5000	1.227,413	-6,0000	1.227,788	-3,5000	1.227,913	-2,00	1.227,809	1.227,983	-0,174	3,5000	1.227,913	-2,00	6,0000	1.227,788	7,5000	1.227,413					8,5675	1.228,481	1,068
2+820,000	-8,1950	1.228,534	0,695					-7,5000	1.227,839	-6,0000	1.228,214	-3,5000	1.228,339	-2,00	1.228,311	1.228,409	-0,098	3,5000	1.228,339	-2,00	6,0000	1.228,214	7,5000	1.227,839					8,6547	1.228,994	1,155
2+840,000	-8,1080	1.228,873	0,608					-7,5000	1.228,265	-6,0000	1.228,640	-3,5000	1.228,765	-2,00	1.228,690	1.228,835	-0,145	3,5000	1.228,765	-2,00	6,0000	1.228,640	7,5000	1.228,265					8,7256	1.229,491	1,226
2+860,000	-8,1455	1.229,337	0,645					-7,5000	1.228,692	-6,0000	1.229,067	-3,5000	1.229,192	-2,00	1.229,182	1.229,262	-0,080	3,5000	1.229,192	-2,00	6,0000	1.229,067	7,5000	1.228,692					8,3132	1.229,505	0,813
2+880,000	-8,1928	1.229,811	0,693					-7,5000	1.229,118	-6,0000	1.229,493	-3,5000	1.229,618	-2,00	1.229,602	1.229,688	-0,086	3,5000	1.229,618	-2,00	6,0000	1.229,493	7,5000	1.229,118					7,9452	1.229,563	0,445
2+900,000	-8,0540	1.230,098	0,554					-7,5000	1.229,544	-6,0000	1.229,919	-3,5000	1.230,044	-2,00	1.229,895	1.230,114	-0,219	3,5000	1.230,044	-2,00	6,0000	1.229,919	7,5000	1.229,544					8,1058	1.230,150	0,606
2+920,000	-8,1415	1.230,613	0,642					-7,5000	1.229,971	-6,0000	1.230,346	-3,5000	1.230,471	-2,00	1.230,157	1.230,541	-0,384	3,5000	1.230,471	-2,00	6,0000	1.230,346	7,5000	1.229,971					8,0176	1.230,489	0,518
2+940,000	-7,7943	1.230,501	-0,196					-7,5000	1.230,697	-6,0000	1.230,772	-3,5000	1.230,897	-2,00	1.230,529	1.230,967	-0,438	3,5000	1.230,897	-2,00	6,0000	1.230,772	7,5000	1.230,397					7,8734	1.230,770	0,373
2+960,000	-8,0524	1.230,755	-0,368					-7,5000	1.231,123	-6,0000	1.231,198	-3,5000	1.231,323	-2,00	1.230,951	1.231,393	-0,442	3,5000	1.231,323	-2,00	6,0000	1.231,198	7,5000	1.230,823					7,7920	1.231,115	0,292



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DA CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO														
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
2+980,000	-8,3625	1.230,975	-0,575					-7,5000	1.231,550	-6,0000	1.231,625	-3,5000	1.231,750	-2,00	1.231,282	1.231,820	-0,538	3,5000	1.231,750	-2,00	6,0000	1.231,625	7,5000	1.231,250						7,8462	1.231,596	0,346
3	-8,5216	1.231,295	-0,681					-7,5000	1.231,976	-6,0000	1.232,051	-3,5000	1.232,176	-2,00	1.231,622	1.232,246	-0,624	3,5000	1.232,176	-2,00	6,0000	1.232,051	7,5000	1.231,976						7,7234	1.231,827	-0,149
3+20,000	-8,6544	1.231,633	-0,770					-7,5000	1.232,403	-6,0000	1.232,478	-3,5000	1.232,603	-2,00	1.231,991	1.232,673	-0,682	3,5000	1.232,603	-2,00	6,0000	1.232,478	7,5000	1.232,403						7,8349	1.232,180	-0,223
3+40,000	-8,7015	1.232,028	-0,801					-7,5000	1.232,829	-6,0000	1.232,904	-3,5000	1.233,029	-2,00	1.232,431	1.233,099	-0,668	3,5000	1.233,029	-2,00	6,0000	1.232,904	7,5000	1.232,829						7,7961	1.232,632	-0,197
3+60,000	-8,6210	1.232,508	-0,747					-7,5000	1.233,255	-6,0000	1.233,330	-3,5000	1.233,455	-2,00	1.232,869	1.233,525	-0,656	3,5000	1.233,455	-2,00	6,0000	1.233,330	7,5000	1.233,255						7,7886	1.233,063	-0,192
3+80,000	-8,6928	1.232,887	-0,795					-7,5000	1.233,682	-6,0000	1.233,757	-3,5000	1.233,882	-2,00	1.233,310	1.233,952	-0,642	3,5000	1.233,882	-2,00	6,0000	1.233,757	7,5000	1.233,682						7,6901	1.233,555	-0,127
3+100,000	-8,6083	1.233,369	-0,739					-7,5000	1.234,108	-6,0000	1.234,183	-3,5000	1.234,308	-2,00	1.233,774	1.234,378	-0,604	3,5000	1.234,308	-2,00	6,0000	1.234,183	7,5000	1.234,108						7,7457	1.233,944	-0,164
3+120,000	-8,5193	1.233,855	-0,679					-7,5000	1.234,534	-6,0000	1.234,609	-3,5000	1.234,734	-2,00	1.234,273	1.234,804	-0,531	3,5000	1.234,734	-2,00	6,0000	1.234,609	7,5000	1.234,534						7,7319	1.234,379	-0,155
3+140,000	-8,4748	1.234,311	-0,650					-7,5000	1.234,961	-6,0000	1.235,036	-3,5000	1.235,161	-2,00	1.234,727	1.235,231	-0,504	3,5000	1.235,161	-2,00	6,0000	1.235,036	7,5000	1.234,961						7,6199	1.234,881	-0,080
3+160,000	-8,1937	1.234,925	-0,462					-7,5000	1.235,387	-6,0000	1.235,462	-3,5000	1.235,587	-2,00	1.235,265	1.235,657	-0,392	3,5000	1.235,587	-2,00	6,0000	1.235,462	7,5000	1.235,387						7,5778	1.235,335	-0,052
3+180,000	-8,1395	1.235,388	-0,426					-7,5000	1.235,814	-6,0000	1.235,889	-3,5000	1.236,014	-2,00	1.235,768	1.236,084	-0,316	3,5000	1.236,014	-2,00	6,0000	1.235,889	7,5000	1.235,814						7,5769	1.235,763	-0,051
3+200,000	-8,1710	1.235,793	-0,447					-7,5000	1.236,240	-6,0000	1.236,315	-3,5000	1.236,440	-2,00	1.236,175	1.236,510	-0,335	3,5000	1.236,440	-2,00	6,0000	1.236,315	7,5000	1.236,240						7,6722	1.236,125	-0,115
3+220,000	-8,2432	1.236,175	-0,495					-7,5000	1.236,670	-6,0000	1.236,745	-3,5000	1.236,870	-2,00	1.236,559	1.236,940	-0,381	3,5000	1.236,870	-2,00	6,0000	1.236,745	7,5000	1.236,670						7,6897	1.236,544	-0,126
3+240,000	-8,0022	1.236,774	-0,335					-7,5000	1.237,109	-6,0000	1.237,184	-3,5000	1.237,309	-2,00	1.236,974	1.237,379	-0,405	3,5000	1.237,309	-2,00	6,0000	1.237,184	7,5000	1.237,109						7,6305	1.237,022	-0,087
3+260,000	-7,9384	1.237,264	-0,292					-7,5000	1.237,556	-6,0000	1.237,631	-3,5000	1.237,756	-2,00	1.237,419	1.237,826	-0,407	3,5000	1.237,756	-2,00	6,0000	1.237,631	7,5000	1.237,556						7,5983	1.237,490	-0,066
3+280,000	-7,8928	1.237,749	-0,262					-7,5000	1.238,011	-6,0000	1.238,086	-3,5000	1.238,211	-2,00	1.237,906	1.238,281	-0,375	3,5000	1.238,211	-2,00	6,0000	1.238,086	7,5000	1.238,011						7,7143	1.237,868	-0,143
3+300,000	-7,8943	1.238,212	-0,263					-7,5000	1.238,475	-6,0000	1.238,550	-3,5000	1.238,675	-2,00	1.238,335	1.238,745	-0,410	3,5000	1.238,675	-2,00	6,0000	1.238,550	7,5000	1.238,475						7,6480	1.238,376	-0,099
3+320,000	-7,8339	1.238,723	-0,223					-7,5000	1.238,946	-6,0000	1.239,021	-3,5000	1.239,146	-2,00	1.238,816	1.239,216	-0,400	3,5000	1.239,146	-2,00	6,0000	1.239,021	7,5000	1.238,946						7,6139	1.238,870	-0,076
3+340,000	-7,8306	1.239,202	-0,220					-7,5000	1.239,422	-6,0000	1.239,497	-3,5000	1.239,622	-2,00	1.239,321	1.239,692	-0,371	3,5000	1.239,622	-2,00	6,0000	1.239,497	7,5000	1.239,422						7,9188	1.239,541	0,419
3+360,000	-7,9899	1.239,571	-0,327					-7,5000	1.239,898	-6,0000	1.239,973	-3,5000	1.240,098	-2,00	1.239,830	1.240,168	-0,338	3,5000	1.240,098	-2,00	6,0000	1.239,973	7,5000	1.239,898						7,9774	1.240,075	0,477
3+380,000	-8,1651	1.239,930	-0,443					-7,5000	1.240,373	-6,0000	1.240,448	-3,5000	1.240,573	-2,00	1.240,376	1.240,643	-0,267	3,5000	1.240,573	-2,00	6,0000	1.240,448	7,5000	1.240,373						7,8622	1.240,435	0,362
3+400,000	-8,0257	1.240,499	-0,350					-7,5000	1.240,849	-6,0000	1.240,924	-3,5000	1.241,049	-2,00	1.240,905	1.241,119	-0,214	3,5000	1.241,049	-2,00	6,0000	1.240,924	7,5000	1.240,849						7,7148	1.240,764	0,215
3+420,000	-8,0024	1.240,990	-0,335					-7,5000	1.241,325	-6,0000	1.241,400	-3,5000	1.241,525	-2,00	1.241,238	1.241,595	-0,357	3,5000	1.241,525	-2,00	6,0000	1.241,400	7,5000	1.241,325						7,9742	1.241,499	0,474
3+440,000	-8,0444	1.241,438	-0,363					-7,5000	1.241,801	-6,0000	1.241,876	-3,5000	1.242,001	-2,00	1.241,680	1.242,071	-0,391	3,5000	1.242,001	-2,00	6,0000	1.241,876	7,5000	1.241,801						7,8992	1.241,900	0,399
3+460,000	-7,8089	1.242,070	-0,206					-7,5000	1.242,276	-6,0000	1.242,351	-3,5000	1.242,476	-2,00	1.242,180	1.242,546	-0,366	3,5000	1.242,476	-2,00	6,0000	1.242,351	7,5000	1.242,276						7,9041	1.242,380	0,404
3+480,000	-7,6350	1.242,662	-0,090					-7,5000	1.242,752	-6,0000	1.242,827	-3,5000	1.242,952	-2,00	1.242,699	1.243,022	-0,323	3,5000	1.242,952	-2,00	6,0000	1.242,827	7,5000	1.242,752						7,7716	1.242,724	0,272
3+500,000	-7,6458	1.243,131	-0,097					-7,5000	1.243,228	-6,0000	1.243,303	-3,5000	1.243,428	-2,00	1.243,223	1.243,498	-0,275	3,5000	1.243,428	-2,00	6,0000	1.243,303	7,5000	1.243,228						7,8473	1.243,275	0,347
3+520,000	-7,5146	1.243,694	-0,010					-7,5000	1.243,704	-6,0000	1.243,779	-3,5000	1.243,904	-2,00	1.243,710	1.243,974	-0,264	3,5000	1.243,904	-2,00	6,0000	1.243,779	7,5000	1.243,704						7,6039	1.243,635	-0,069
3+540,000	-8,0196	1.244,399	0,520					-7,5000	1.243,879	-6,0000	1.244,254	-3,5000	1.244,379	-2,00	1.244,184	1.244,449	-0,265	3,5000	1.244,379	-2,00	6,0000	1.244,254	7,5000	1.244,179						7,6327	1.244,091	-0,088
3+560,000	-8,1939	1.245,049	0,694					-7,5000	1.244,355	-6,0000	1.244,730	-3,5000	1.244,855	-2,00	1.244,651	1.244,925	-0,274	3,5000	1.244,855	-2,00	6,0000	1.244,730	7,5000	1.244,655						7,7775	1.244,470	-0,185
3+580,000	-8,1350	1.245,466	0,635					-7,5000	1.244,831	-6,0000	1.245,206	-3,5000	1.245,331	-2,00	1.245,123	1.245,401	-0,278	3,5000	1.245,331	-2,00	6,0000	1.245,206	7,5000	1.245,131						7,5803	1.245,077	-0,054



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DA CAMADA ACABADA

DF-220-NS-R01



ESTACA	LADO ESQUERDO															EIXO			LADO DIREITO														
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET				
	DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
3+590,000	-8,0997	1.245,669	0,600					-7,5000	1.245,069	-6,0000	1.245,444	-3,5000	1.245,569	-2,00	1.245,351	1.245,639	-0,288	3,5000	1.245,569	-2,00	6,0000	1.245,444	7,5000	1.245,069							7,9363	1.245,505	0,436
3+600,000	-8,0680	1.245,872	0,568					-7,5000	1.245,304	-6,0000	1.245,679	-3,5000	1.245,804	-2,00	1.245,604	1.245,874	-0,270	3,5000	1.245,804	-2,00	6,0000	1.245,679	7,5000	1.245,304							7,9431	1.245,747	0,443
3+620,000	-8,0396	1.246,303	0,540					-7,5000	1.245,763	-6,0000	1.246,138	-3,5000	1.246,263	-2,00	1.246,078	1.246,333	-0,255	3,5000	1.246,263	-2,00	6,0000	1.246,138	7,5000	1.245,763							8,0543	1.246,317	0,554
3+640,000	-7,9944	1.246,698	0,494					-7,5000	1.246,204	-6,0000	1.246,579	-3,5000	1.246,704	-2,00	1.246,533	1.246,774	-0,241	3,5000	1.246,704	-2,00	6,0000	1.246,579	7,5000	1.246,204							7,8861	1.246,590	0,386
3+660,000	-8,0925	1.247,220	0,593					-7,5000	1.246,627	-6,0000	1.247,002	-3,5000	1.247,127	-2,00	1.246,941	1.247,197	-0,256	3,5000	1.247,127	-2,00	6,0000	1.247,002	7,5000	1.246,627							7,8380	1.246,965	0,338
3+680,000	-8,2343	1.247,767	0,734					-7,5000	1.247,033	-6,0000	1.247,408	-3,5000	1.247,533	-2,00	1.247,288	1.247,603	-0,315	3,5000	1.247,533	-2,00	6,0000	1.247,408	7,5000	1.247,033							7,8569	1.247,390	0,357
3+700,000	-8,1198	1.248,042	0,620					-7,5000	1.247,422	-6,0000	1.247,797	-3,5000	1.247,922	-2,00	1.247,701	1.247,992	-0,291	3,5000	1.247,922	-2,00	6,0000	1.247,797	7,5000	1.247,722							7,7812	1.247,535	-0,187
3+720,000	-8,0055	1.248,300	0,506					-7,5000	1.247,794	-6,0000	1.248,169	-3,5000	1.248,294	-2,00	1.248,056	1.248,364	-0,308	3,5000	1.248,294	-2,00	6,0000	1.248,169	7,5000	1.248,094							7,7493	1.247,928	-0,166
3+740,000	-7,9431	1.248,591	0,443					-7,5000	1.248,148	-6,0000	1.248,523	-3,5000	1.248,648	-2,00	1.248,401	1.248,718	-0,317	3,5000	1.248,648	-2,00	6,0000	1.248,523	7,5000	1.248,148							7,8590	1.248,507	0,359
3+760,000	-8,0259	1.249,010	0,526					-7,5000	1.248,484	-6,0000	1.248,859	-3,5000	1.248,984	-2,00	1.248,763	1.249,054	-0,291	3,5000	1.248,984	-2,00	6,0000	1.248,859	7,5000	1.248,484							7,9938	1.248,978	0,494
3+780,000	-7,8161	1.249,120	0,316					-7,5000	1.248,804	-6,0000	1.249,179	-3,5000	1.249,304	-2,00	1.249,145	1.249,374	-0,229	3,5000	1.249,304	-2,00	6,0000	1.249,179	7,5000	1.248,804							8,2025	1.249,507	0,703
3+800,000	-7,9845	1.249,590	0,485					-7,5000	1.249,105	-6,0000	1.249,480	-3,5000	1.249,605	-2,00	1.249,398	1.249,675	-0,277	3,5000	1.249,605	-2,00	6,0000	1.249,480	7,5000	1.249,105							8,1294	1.249,734	0,629
3+820,000	-8,1561	1.250,046	0,656					-7,5000	1.249,390	-6,0000	1.249,765	-3,5000	1.249,890	-2,00	1.249,638	1.249,960	-0,322	3,5000	1.249,890	-2,00	6,0000	1.249,765	7,5000	1.249,390							8,0407	1.249,931	0,541
3+830,000	-8,1131	1.250,139	0,613					-7,5000	1.249,526	-6,0000	1.249,901	-3,5000	1.250,026	-2,00	1.249,745	1.250,096	-0,351	3,5000	1.250,026	-2,00	6,0000	1.249,901	7,5000	1.249,526							8,1315	1.250,158	0,632
3+840,000	-8,0737	1.250,233	0,574					-7,5000	1.249,659	-6,0000	1.250,034	-3,5000	1.250,159	-2,00	1.249,853	1.250,229	-0,376	3,5000	1.250,159	-2,00	6,0000	1.250,034	7,5000	1.249,659							8,2432	1.250,402	0,743
3+860,000	-7,9139	1.250,340	0,414					-7,5000	1.249,926	-6,0000	1.250,301	-3,5000	1.250,426	-2,00	1.249,990	1.250,496	-0,506	3,5000	1.250,426	-2,00	6,0000	1.250,301	7,5000	1.249,926							7,9920	1.250,418	0,492
3+880,000	-7,9633	1.250,657	0,463					-7,5000	1.250,194	-6,0000	1.250,569	-3,5000	1.250,694	-2,00	1.250,339	1.250,764	-0,425	3,5000	1.250,694	-2,00	6,0000	1.250,569	7,5000	1.250,194							7,9107	1.250,605	0,411
3+900,000	-7,9524	1.250,913	0,452					-7,5000	1.250,461	-6,0000	1.250,836	-3,5000	1.250,961	-2,00	1.250,660	1.251,031	-0,371	3,5000	1.250,961	-2,00	6,0000	1.250,836	7,5000	1.250,461							7,8220	1.250,783	0,322
3+920,000	-7,8806	1.251,109	0,381					-7,5000	1.250,728	-6,0000	1.251,103	-3,5000	1.251,228	-2,00	1.250,885	1.251,298	-0,413	3,5000	1.251,228	-2,00	6,0000	1.251,103	7,5000	1.250,728							7,8543	1.251,082	0,354
3+940,000	-8,0575	1.251,552	0,557					-7,5000	1.250,995	-6,0000	1.251,370	-3,5000	1.251,495	-2,00	1.251,267	1.251,565	-0,298	3,5000	1.251,495	-2,00	6,0000	1.251,370	7,5000	1.250,995							7,8101	1.251,305	0,310
3+950,000	-8,0199	1.251,648	0,520					-7,5000	1.251,128	-6,0000	1.251,503	-3,5000	1.251,628	-2,00	1.251,431	1.251,698	-0,267	3,5000	1.251,628	-2,00	6,0000	1.251,503	7,5000	1.251,128							8,1137	1.251,742	0,614
3+960,000	-7,9625	1.251,726	0,462					-7,5000	1.251,264	-6,0000	1.251,639	-3,5000	1.251,764	-2,00	1.251,580	1.251,834	-0,254	3,5000	1.251,764	-2,00	6,0000	1.251,639	7,5000	1.251,264							8,4080	1.252,172	0,908
3+980,000	-8,0247	1.252,071	0,525					-7,5000	1.251,546	-6,0000	1.251,921	-3,5000	1.252,046	-2,00	1.251,808	1.252,116	-0,308	3,5000	1.252,046	-2,00	6,0000	1.251,921	7,5000	1.251,546							8,1781	1.252,224	0,678
4	-8,0336	1.252,376	0,534					-7,5000	1.251,842	-6,0000	1.252,217	-3,5000	1.252,342	-2,00	1.252,032	1.252,412	-0,380	3,5000	1.252,342	-2,00	6,0000	1.252,217	7,5000	1.251,842							8,1817	1.252,524	0,682
4+20,000	-7,9665	1.252,620	0,467					-7,5000	1.252,153	-6,0000	1.252,528	-3,5000	1.252,653	-2,00	1.252,293	1.252,723	-0,430	3,5000	1.252,653	-2,00	6,0000	1.252,528	7,5000	1.252,153							8,1491	1.252,802	0,649
4+40,000	-7,8603	1.252,839	0,360					-7,5000	1.252,479	-6,0000	1.252,854	-3,5000	1.252,979	-2,00	1.252,753	1.253,049	-0,296	3,5000	1.252,979	-2,00	6,0000	1.252,854	7,5000	1.252,479							7,8210	1.252,800	0,321
4+60,000	-8,0751	1.253,394	0,575					-7,5000	1.252,819	-6,0000	1.253,194	-3,5000	1.253,319	-2,00	1.253,085	1.253,389	-0,304	3,5000	1.253,319	-2,00	6,0000	1.253,194	7,5000	1.252,819							7,9129	1.253,232	0,413
4+80,000	-7,6941	1.253,668	0,194					-7,5000	1.253,474	-6,0000	1.253,549	-3,5000	1.253,674	-2,00	1.253,404	1.253,744	-0,340	3,5000	1.253,674	-2,00	6,0000	1.253,549	7,5000	1.253,474	8,1000	1.253,074	20,1000	1.251,074	23,5110	1.254,485	3,411		
4+100,000	-7,5249	1.253,827	-0,017					-7,5000	1.253,844	-6,0000	1.253,919	-3,5000	1.254,044	-2,00	1.253,655	1.254,114	-0,459	3,5000	1.254,044	-2,00	6,0000	1.253,919	7,5000	1.253,844	8,1000	1.253,444	20,1000	1.251,444	23,5051	1.254,849	3,405		
4+120,000	-7,5755	1.254,179	-0,050					-7,5000	1.254,229	-6,0000	1.254,304	-3,5000	1.254,429	-2,00	1.254,076	1.254,499	-0,423	3,5000	1.254,429	-2,00	6,0000	1.254,304	7,5000	1.254,229	8,1000	1.253,829	20,1000	1.251,829	23,3534	1.255,082	3,253		
4+140,000	-7,5216	1.254,650	0,022					-7,5000	1.254,628	-6,0000	1.254,703	-3,5000	1.254,828	-2,00	1.254,401	1.254,898	-0,497	3,5000	1.254,828	-2,00	6,0000	1.254,703	7,5000	1.254,628	8,1000	1.254,228	20,1000	1.252,228	23,1988	1.255,327	3,099		



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DA CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO														
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
	DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
4+150,000	-7,5991	1.254,932	0,099					-7,5000	1.254,833	-6,0000	1.254,908	-3,5000	1.255,033	-2,00	1.254,537	1.255,103	-0,566	3,5000	1.255,033	-2,00	6,0000	1.254,908	7,5000	1.254,833	8,1000	1.254,433	20,1000	1.252,433	23,1768	1.255,510	3,077	
4+160,000	-7,5401	1.255,013	-0,027					-7,5000	1.255,040	-6,0000	1.255,115	-3,5000	1.255,240	-2,00	1.254,718	1.255,310	-0,592	3,5000	1.255,240	-2,00	6,0000	1.255,115	7,5000	1.255,040	8,1000	1.254,640	20,1000	1.252,640	23,1031	1.255,643	3,003	
4+180,000	-7,7300	1.255,301	-0,153					-7,5000	1.255,454	-6,0000	1.255,529	-3,5000	1.255,654	-2,00	1.255,097	1.255,724	-0,627	3,5000	1.255,654	-2,00	6,0000	1.255,529	7,5000	1.255,454	8,1000	1.255,054	20,1000	1.253,054	22,9304	1.255,884	2,830	
4+200,000	-7,7153	1.255,723	-0,144					-7,5000	1.255,867	-6,0000	1.255,942	-3,5000	1.256,067	-2,00	1.255,522	1.256,137	-0,615	3,5000	1.256,067	-2,00	6,0000	1.255,942	7,5000	1.255,867	8,1000	1.255,467	20,1000	1.253,467	22,9219	1.256,289	2,822	
4+220,000	-7,7401	1.256,121	-0,160					-7,5000	1.256,281	-6,0000	1.256,356	-3,5000	1.256,481	-2,00	1.255,989	1.256,551	-0,562	3,5000	1.256,481	-2,00	6,0000	1.256,356	7,5000	1.256,281	8,1000	1.255,881	20,1000	1.253,881	22,9675	1.256,748	2,867	
4+240,000	-7,5958	1.256,631	-0,064					-7,5000	1.256,695	-6,0000	1.256,770	-3,5000	1.256,895	-2,00	1.256,492	1.256,965	-0,473	3,5000	1.256,895	-2,00	6,0000	1.256,770	7,5000	1.256,695	8,1000	1.256,295	20,1000	1.254,295	22,9747	1.257,170	2,875	
4+260,000	-7,5886	1.257,198	0,089					-7,5000	1.257,109	-6,0000	1.257,184	-3,5000	1.257,309	-2,00	1.257,017	1.257,379	-0,362	3,5000	1.257,309	-2,00	6,0000	1.257,184	7,5000	1.257,109	8,1000	1.256,709	20,1000	1.254,709	23,1623	1.257,771	3,062	
4+280,000	-7,5842	1.257,606	0,084					-7,5000	1.257,522	-6,0000	1.257,597	-3,5000	1.257,722	-2,00	1.257,456	1.257,792	-0,336	3,5000	1.257,722	-2,00	6,0000	1.257,597	7,5000	1.257,522	8,1000	1.257,122	20,1000	1.255,122	23,1949	1.258,217	3,095	
4+300,000	-7,5131	1.257,949	0,013					-7,5000	1.257,936	-6,0000	1.258,011	-3,5000	1.258,136	-2,00	1.257,894	1.258,206	-0,312	3,5000	1.258,136	-2,00	6,0000	1.258,011	7,5000	1.257,936	8,1000	1.257,536	20,1000	1.255,536	22,9101	1.258,346	2,810	
4+320,000	-7,5759	1.258,299	-0,051					-7,5000	1.258,350	-6,0000	1.258,425	-3,5000	1.258,550	-2,00	1.258,330	1.258,620	-0,290	3,5000	1.258,550	-2,00	6,0000	1.258,425	7,5000	1.258,350	8,1000	1.257,950	20,1000	1.255,950	22,9438	1.258,794	2,844	
4+340,000	-7,9583	1.258,458	-0,306					-7,5000	1.258,764	-6,0000	1.258,839	-3,5000	1.258,964	-2,00	1.258,799	1.259,034	-0,235	3,5000	1.258,964	-2,00	6,0000	1.258,839	7,5000	1.258,764	8,1000	1.258,364	20,1000	1.256,364	23,0285	1.259,292	2,928	
4+360,000	-6,2872	1.259,061	-0,191							-6,0000	1.259,252	-3,5000	1.259,377	-2,00	1.259,144	1.259,447	-0,303	3,5000	1.259,377	-2,00	6,0000	1.259,252	7,5000	1.259,177	8,1000	1.258,777	12,1000	1.257,777	19,9232	1.259,733	1,956	
4+380,000	-6,3143	1.259,456	-0,210							-6,0000	1.259,666	-3,5000	1.259,791	-2,00	1.259,472	1.259,861	-0,389	3,5000	1.259,791	-2,00	6,0000	1.259,666	7,5000	1.259,591	8,1000	1.259,191	12,1000	1.258,191	20,5177	1.260,295	2,104	
4+400,000	-6,4416	1.259,786	-0,294							-6,0000	1.260,080	-3,5000	1.260,205	-2,00	1.259,875	1.260,275	-0,400	3,5000	1.260,205	-2,00	6,0000	1.260,080	7,5000	1.260,005	8,1000	1.259,605	12,1000	1.258,605	20,0659	1.260,596	1,991	
4+420,000	-7,8333	1.260,452	0,333					-7,5000	1.260,119	-6,0000	1.260,494	-3,5000	1.260,619	-2,00	1.260,288	1.260,689	-0,401	3,5000	1.260,619	-2,00	6,0000	1.260,494	7,5000	1.260,419	8,1000	1.260,019	12,1000	1.259,019	20,0722	1.261,012	1,993	
4+440,000	-7,9319	1.260,965	0,432					-7,5000	1.260,533	-6,0000	1.260,908	-3,5000	1.261,033	-2,00	1.260,709	1.261,103	-0,394	3,5000	1.261,033	-2,00	6,0000	1.260,908	7,5000	1.260,833	8,1000	1.260,433	12,1000	1.259,433	20,0732	1.261,426	1,993	
4+460,000	-7,8378	1.261,284	0,338					-7,5000	1.260,946	-6,0000	1.261,321	-3,5000	1.261,446	-2,00	1.261,146	1.261,516	-0,370	3,5000	1.261,446	-2,00	6,0000	1.261,321	7,5000	1.261,246	8,1000	1.260,846	12,1000	1.259,846	19,4793	1.261,691	1,845	
4+480,000	-7,8374	1.261,697	0,337					-7,5000	1.261,360	-6,0000	1.261,735	-3,5000	1.261,860	-2,00	1.261,559	1.261,930	-0,371	3,5000	1.261,860	-2,00	6,0000	1.261,735	7,5000	1.261,660	8,1000	1.261,260	12,1000	1.260,260	19,9803	1.262,230	1,970	
4+500,000	-6,4243	1.261,866	-0,283							-6,0000	1.262,149	-3,5000	1.262,274	-2,00	1.262,015	1.262,344	-0,329	3,5000	1.262,274	-2,00	6,0000	1.262,149	7,5000	1.262,074	8,1000	1.261,674	12,1000	1.260,674	19,9572	1.262,638	1,964	
4+520,000	-7,8530	1.262,541	0,353					-7,5000	1.262,188	-6,0000	1.262,563	-3,5000	1.262,688	-2,00	1.262,431	1.262,758	-0,327	3,5000	1.262,688	-2,00	6,0000	1.262,563	7,5000	1.262,488	8,1000	1.262,088	12,1000	1.261,088	20,0542	1.263,077	1,989	
4+540,000	-6,3083	1.262,770	-0,206							-6,0000	1.262,976	-3,5000	1.263,101	-2,00	1.262,836	1.263,171	-0,335	3,5000	1.263,101	-2,00	6,0000	1.262,976	7,5000	1.262,901	8,1000	1.262,501	12,1000	1.261,501	19,5511	1.263,364	1,863	
4+560,000	-6,3348	1.263,167	-0,223							-6,0000	1.263,390	-3,5000	1.263,515	-2,00	1.263,194	1.263,585	-0,391	3,5000	1.263,515	-2,00	6,0000	1.263,390	7,5000	1.263,315	8,1000	1.262,915	12,1000	1.261,915	18,1851	1.263,436	1,521	
4+580,000	-6,2841	1.263,615	-0,189							-6,0000	1.263,804	-3,5000	1.263,929	-2,00	1.263,547	1.263,999	-0,452	3,5000	1.263,929	-2,00	6,0000	1.263,804	7,5000	1.263,729	8,1000	1.263,329	12,1000	1.262,329	18,2697	1.263,871	1,542	
4+600,000	-6,2801	1.264,031	-0,187							-6,0000	1.264,218	-3,5000	1.264,343	-2,00	1.264,125	1.264,413	-0,288	3,5000	1.264,343	-2,00	6,0000	1.264,218	7,5000	1.264,143	8,1000	1.263,743	12,1000	1.262,743	18,7217	1.264,398	1,655	
4+620,000	-6,4141	1.264,356	-0,276							-6,0000	1.264,632	-3,5000	1.264,757	-2,00	1.264,395	1.264,827	-0,432	3,5000	1.264,757	-2,00	6,0000	1.264,632	7,5000	1.264,557	8,1000	1.264,157	12,1000	1.263,157	19,2102	1.264,935	1,778	
4+640,000	-6,7718	1.264,530	-0,515							-6,0000	1.265,045	-3,5000	1.265,170	-2,00	1.264,717	1.265,240	-0,523	3,5000	1.265,170	-2,00	6,0000	1.265,045	7,5000	1.264,970	8,1000	1.264,570	12,1000	1.263,570	20,0296	1.265,552	1,982	
4+660,000	-6,9191	1.264,846	-0,613							-6,0000	1.265,459	-3,5000	1.265,584	-2,00	1.265,054	1.265,654	-0,600	3,5000	1.265,584	-2,00	6,0000	1.265,459	7,5000	1.265,384	8,1000	1.264,984	12,1000	1.263,984	19,6366	1.265,868	1,884	
4+680,000	-6,5537	1.265,504	-0,369							-6,0000	1.265,873	-3,5000	1.265,998	-2,00	1.265,490	1.266,068	-0,578	3,5000	1.265,998	-2,00	6,0000	1.265,873	7,5000	1.265,798	8,1000	1.265,398	12,1000	1.264,398	18,7068	1.266,050	1,652	
4+700,000	-6,4377	1.265,995	-0,292							-6,0000	1.266,287	-3,5000	1.266,412	-2,00	1.265,931	1.266,482	-0,551	3,5000	1.266,412	-2,00	6,0000	1.266,287	7,5000	1.266,212	8,1000	1.265,812	12,1000	1.264,812	19,0273	1.266,544	1,732	
4+720,000	-6,5136	1.266,358	-0,342							-6,0000	1.266,700	-3,5000	1.266,825	-2,00	1.266,340	1.266,895	-0,555	3,5000	1.266,825	-2,00	6,0000	1.266,700	7,5000	1.266,625	8,1000	1.266,225	12,1000	1.265,225	18,9874	1.266,947	1,722	
4+740,000	-6,4189	1.266,835	-0,279							-6,0000	1.267,114	-3,5000	1.267,239	-2,00	1.266,762	1.267,309	-0,547	3,5000	1.267,239	-2,00	6,0000	1.267,114	7,5000	1.267,039	8,1000	1.266,639	12,1000	1.265,639	18,7507	1.267,302	1,663	



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DA CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO													
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET		
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT	
4+760,000	-6,4924	1.267,200	-0,328							-6,0000	1.267,528	-3,5000	1.267,653	-2,00	1.267,170	1.267,723	-0,553	3,5000	1.267,653	-2,00	6,0000	1.267,528	7,5000	1.267,453	8,1000	1.267,053	12,1000	1.266,053	19,3544	1.267,867	1,814
4+780,000	-6,4744	1.267,626	-0,316							-6,0000	1.267,942	-3,5000	1.268,067	-2,00	1.267,620	1.268,137	-0,517	3,5000	1.268,067	-2,00	6,0000	1.267,942	7,5000	1.267,867	8,1000	1.267,467	12,1000	1.266,467	19,4980	1.268,317	1,850
4+800,000	-6,4349	1.268,065	-0,290							-6,0000	1.268,355	-3,5000	1.268,480	-2,00	1.268,064	1.268,550	-0,486	3,5000	1.268,480	-2,00	6,0000	1.268,355	7,5000	1.268,280	8,1000	1.267,880	12,1000	1.266,880	18,9049	1.268,581	1,701
4+820,000	-6,4025	1.268,501	-0,268							-6,0000	1.268,769	-3,5000	1.268,894	-2,00	1.268,485	1.268,964	-0,479	3,5000	1.268,894	-2,00	6,0000	1.268,769	7,5000	1.268,694	8,1000	1.268,294	12,1000	1.267,294	18,2832	1.268,840	1,546
4+840,000	-6,2596	1.269,010	-0,173							-6,0000	1.269,183	-3,5000	1.269,308	-2,00	1.268,874	1.269,378	-0,504	3,5000	1.269,308	-2,00	6,0000	1.269,183	7,5000	1.269,108	8,1000	1.268,708	12,1000	1.267,708	18,7711	1.269,376	1,668
4+860,000	-6,4023	1.269,329	-0,268							-6,0000	1.269,597	-3,5000	1.269,722	-2,00	1.269,235	1.269,792	-0,557	3,5000	1.269,722	-2,00	6,0000	1.269,597	7,5000	1.269,522	8,1000	1.269,122	12,1000	1.268,122	19,2604	1.269,912	1,790
4+880,000	-6,4879	1.269,686	-0,325							-6,0000	1.270,011	-3,5000	1.270,136	-2,00	1.269,641	1.270,206	-0,565	3,5000	1.270,136	-2,00	6,0000	1.270,011	7,5000	1.269,936	8,1000	1.269,536	12,1000	1.268,536	19,1813	1.270,306	1,770
4+900,000	-6,5057	1.270,087	-0,337							-6,0000	1.270,424	-3,5000	1.270,549	-2,00	1.270,085	1.270,619	-0,534	3,5000	1.270,549	-2,00	6,0000	1.270,424	7,5000	1.270,349	8,1000	1.269,949	12,1000	1.268,949	18,7345	1.270,608	1,659
4+920,000	-6,4292	1.270,552	-0,286							-6,0000	1.270,838	-3,5000	1.270,963	-2,00	1.270,508	1.271,033	-0,525	3,5000	1.270,963	-2,00	6,0000	1.270,838	7,5000	1.270,763	8,1000	1.270,363	12,1000	1.269,363	19,4798	1.271,208	1,845
4+940,000	-6,5434	1.270,890	-0,362							-6,0000	1.271,252	-3,5000	1.271,377	-2,00	1.270,906	1.271,447	-0,541	3,5000	1.271,377	-2,00	6,0000	1.271,252	7,5000	1.271,177	8,1000	1.270,777	12,1000	1.269,777	19,4723	1.271,620	1,843
4+960,000	-7,6299	1.271,721	0,130						-7,5000	1.271,591	-6,0000	1.271,666	-3,5000	1.271,791	-2,00	1.271,288	1.271,861	-0,573	3,5000	1.271,791	-2,00	6,0000	1.271,666	7,5000	1.271,591				8,2037	1.271,122	-0,469
4+980,000	-7,7050	1.271,867	-0,137						-7,5000	1.272,004	-6,0000	1.272,079	-3,5000	1.272,204	-2,00	1.271,742	1.272,274	-0,532	3,5000	1.272,204	-2,00	6,0000	1.272,079	7,5000	1.272,004				8,0903	1.271,610	-0,394
5	-7,7193	1.272,272	-0,146						-7,5000	1.272,418	-6,0000	1.272,493	-3,5000	1.272,618	-2,00	1.272,205	1.272,688	-0,483	3,5000	1.272,618	-2,00	6,0000	1.272,493	7,5000	1.272,418				8,1331	1.271,996	-0,422
5+20,000	-7,6027	1.272,764	-0,068						-7,5000	1.272,832	-6,0000	1.272,907	-3,5000	1.273,032	-2,00	1.272,740	1.273,102	-0,362	3,5000	1.273,032	-2,00	6,0000	1.272,907	7,5000	1.272,832				7,9034	1.272,563	-0,269
5+40,000	-7,5522	1.273,211	-0,035						-7,5000	1.273,246	-6,0000	1.273,321	-3,5000	1.273,446	-2,00	1.273,152	1.273,516	-0,364	3,5000	1.273,446	-2,00	6,0000	1.273,321	7,5000	1.273,246				8,0630	1.272,871	-0,375
5+60,000	-7,6658	1.273,548	-0,111						-7,5000	1.273,659	-6,0000	1.273,734	-3,5000	1.273,859	-2,00	1.273,538	1.273,929	-0,391	3,5000	1.273,859	-2,00	6,0000	1.273,734	7,5000	1.273,659				8,2947	1.273,129	-0,530
5+80,000	-7,6483	1.273,974	-0,099						-7,5000	1.274,073	-6,0000	1.274,148	-3,5000	1.274,273	-2,00	1.273,967	1.274,343	-0,376	3,5000	1.274,273	-2,00	6,0000	1.274,148	7,5000	1.274,073				7,7983	1.273,874	-0,199
5+100,000	-7,7793	1.274,470	0,279						-7,5000	1.274,191	-6,0000	1.274,566	-3,5000	1.274,691	-2,00	1.274,445	1.274,761	-0,316	3,5000	1.274,691	-2,00	6,0000	1.274,566	7,5000	1.274,191				7,8850	1.274,576	0,385
5+120,000	-7,9105	1.275,027	0,410						-7,5000	1.274,617	-6,0000	1.274,992	-3,5000	1.275,117	-2,00	1.274,971	1.275,187	-0,216	3,5000	1.275,117	-2,00	6,0000	1.274,992	7,5000	1.274,617				8,1012	1.275,218	0,601
5+140,000	-7,7683	1.275,318	0,268						-7,5000	1.275,050	-6,0000	1.275,425	-3,5000	1.275,550	-2,00	1.275,403	1.275,620	-0,217	3,5000	1.275,550	-2,00	6,0000	1.275,425	7,5000	1.275,050				7,9152	1.275,465	0,415
5+160,000	-7,9057	1.275,898	0,406						-7,5000	1.275,492	-6,0000	1.275,867	-3,5000	1.275,992	-2,00	1.275,893	1.276,062	-0,169	3,5000	1.275,992	-2,00	6,0000	1.275,867	7,5000	1.275,492				8,1781	1.276,170	0,678
5+180,000	-8,0597	1.276,501	0,560						-7,5000	1.275,941	-6,0000	1.276,316	-3,5000	1.276,441	-2,00	1.276,372	1.276,511	-0,139	3,5000	1.276,441	-2,00	6,0000	1.276,316	7,5000	1.275,941				8,3836	1.276,825	0,884
5+200,000	-8,0474	1.276,946	0,547						-7,5000	1.276,399	-6,0000	1.276,774	-3,5000	1.276,899	-2,00	1.276,758	1.276,969	-0,211	3,5000	1.276,899	-2,00	6,0000	1.276,774	7,5000	1.276,399				8,2848	1.277,184	0,785
5+220,000	-7,9836	1.277,348	0,484						-7,5000	1.276,864	-6,0000	1.277,239	-3,5000	1.277,364	-2,00	1.277,015	1.277,434	-0,419	3,5000	1.277,364	-2,00	6,0000	1.277,239	7,5000	1.276,864				7,9834	1.277,347	0,483
5+240,000	-8,1647	1.278,002	0,665						-7,5000	1.277,337	-6,0000	1.277,712	-3,5000	1.277,837	-2,00	1.277,625	1.277,907	-0,282	3,5000	1.277,837	-2,00	6,0000	1.277,712	7,5000	1.277,337				8,0037	1.277,841	0,504
5+260,000	-8,1201	1.278,439	0,620						-7,5000	1.277,819	-6,0000	1.278,194	-3,5000	1.278,319	-2,00	1.278,178	1.278,389	-0,211	3,5000	1.278,319	-2,00	6,0000	1.278,194	7,5000	1.277,819				8,0897	1.278,409	0,590
5+280,000	-8,0071	1.278,815	0,507						-7,5000	1.278,308	-6,0000	1.278,683	-3,5000	1.278,808	-2,00	1.278,636	1.278,878	-0,242	3,5000	1.278,808	-2,00	6,0000	1.278,683	7,5000	1.278,308				8,0684	1.278,876	0,568
5+300,000	-7,9729	1.279,278	0,473						-7,5000	1.278,805	-6,0000	1.279,180	-3,5000	1.279,305	-2,00	1.279,141	1.279,375	-0,234	3,5000	1.279,305	-2,00	6,0000	1.279,180	7,5000	1.279,105				7,7302	1.278,952	-0,153
5+320,000	-7,9362	1.279,742	0,436						-7,5000	1.279,306	-6,0000	1.279,681	-3,5000	1.279,806	-2,00	1.279,549	1.279,876	-0,327	3,5000	1.279,806	-2,00	6,0000	1.279,681	7,5000	1.279,606				7,6491	1.279,507	-0,099
5+340,000	-7,9879	1.280,295	0,488						-7,5000	1.279,807	-6,0000	1.280,182	-3,5000	1.280,307	-2,00	1.280,040	1.280,377	-0,337	3,5000	1.280,307	-2,00	6,0000	1.280,182	7,5000	1.280,107				7,6706	1.279,993	-0,114
5+342,600	-7,9989	1.280,371	0,499						-7,5000	1.279,872	-6,0000	1.280,247	-3,5000	1.280,372	-2,00	1.280,108	1.280,442	-0,334	3,5000	1.280,372	-2,00	6,0000	1.280,247	7,5000	1.280,172				7,6304	1.280,085	-0,087



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO														
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
5+519,571	-6,3495	1.284,448	-0,233							-6,0000	1.284,681	-3,5000	1.284,806	-2,00	1.284,581	1.284,876	-0,295	3,5000	1.284,806	-2,00	6,0000	1.284,681	7,5000	1.284,606	8,1000	1.284,206	12,1000	1.283,206	18,3552	1.284,770	1,564	
5+520,000	-6,3514	1.284,457	-0,234							-6,0000	1.284,691	-3,5000	1.284,816	-2,00	1.284,591	1.284,886	-0,295	3,5000	1.284,816	-2,00	6,0000	1.284,691	7,5000	1.284,616	8,1000	1.284,216	12,1000	1.283,216	18,3333	1.284,774	1,558	
5+540,000	-6,1938	1.285,058	-0,129							-6,0000	1.285,187	-3,5000	1.285,312	-2,00	1.285,049	1.285,382	-0,333	3,5000	1.285,312	-2,00	6,0000	1.285,187	7,5000	1.285,112	8,1000	1.284,712	12,1000	1.283,712	19,0509	1.285,450	1,738	
5+560,000	-6,2281	1.285,519	-0,152							-6,0000	1.285,671	-3,5000	1.285,796	-2,00	1.285,528	1.285,866	-0,338	3,5000	1.285,796	-2,00	6,0000	1.285,671	7,5000	1.285,596	8,1000	1.285,196	12,1000	1.284,196	19,1234	1.285,952	1,756	
5+580,000	-6,2232	1.285,995	-0,149							-6,0000	1.286,144	-3,5000	1.286,269	-2,00	1.285,983	1.286,339	-0,356	3,5000	1.286,269	-2,00	6,0000	1.286,144	7,5000	1.286,069	8,1000	1.285,669	12,1000	1.284,669	19,0463	1.286,406	1,737	
5+600,000	-6,2528	1.286,436	-0,169							-6,0000	1.286,605	-3,5000	1.286,730	-2,00	1.286,433	1.286,800	-0,367	3,5000	1.286,730	-2,00	6,0000	1.286,605	7,5000	1.286,530	8,1000	1.286,130	12,1000	1.285,130	19,5870	1.287,002	1,872	
5+620,000	-8,0156	1.287,196	0,516						-7,5000	1.286,680	-6,0000	1.287,055	-3,5000	1.287,180	-2,00	1.286,853	1.287,250	-0,397	3,5000	1.287,180	-2,00	6,0000	1.287,055	7,5000	1.286,980	8,1000	1.286,580	12,1000	1.285,580	20,0548	1.287,569	1,989
5+637,399	-6,2815	1.287,250	-0,188							-6,0000	1.287,438	-3,5000	1.287,563	-2,00	1.287,287	1.287,633	-0,346	3,5000	1.287,563	-2,00	6,0000	1.287,438	7,5000	1.287,363	8,1000	1.286,963	12,1000	1.285,963	20,0536	1.287,951	1,988	
5+640,000	-6,3189	1.287,281	-0,213							-6,0000	1.287,494	-3,5000	1.287,619	-2,00	1.287,354	1.287,689	-0,335	3,5000	1.287,619	-2,00	6,0000	1.287,494	7,5000	1.287,419	8,1000	1.287,019	12,1000	1.286,019	20,0018	1.287,994	1,975	
5+660,000	-6,5263	1.287,570	-0,351							-6,0000	1.287,921	-3,5000	1.288,046	-2,00	1.287,761	1.288,116	-0,355	3,5000	1.288,046	-2,00	6,0000	1.287,921	7,5000	1.287,846	8,1000	1.287,446	12,1000	1.286,446	19,3822	1.288,267	1,821	
5+680,000	-6,3432	1.288,109	-0,229							-6,0000	1.288,338	-3,5000	1.288,463	-2,00	1.288,145	1.288,533	-0,388	3,5000	1.288,463	-2,00	6,0000	1.288,338	7,5000	1.288,263	8,1000	1.287,863	12,1000	1.286,863	19,9360	1.288,822	1,959	
5+700,000	-6,1956	1.288,612	-0,130							-6,0000	1.288,742	-3,5000	1.288,867	-2,00	1.288,539	1.288,937	-0,398	3,5000	1.288,867	-2,00	6,0000	1.288,742	7,5000	1.288,667	8,1000	1.288,267	12,1000	1.287,267	20,8963	1.289,466	2,199	
5+720,000	-6,3313	1.288,915	-0,221							-6,0000	1.289,136	-3,5000	1.289,261	-2,00	1.288,927	1.289,331	-0,404	3,5000	1.289,261	-2,00	6,0000	1.289,136	7,5000	1.289,061	8,1000	1.288,661	12,1000	1.287,661	21,1947	1.289,935	2,274	
5+740,000	-7,8714	1.289,514	0,371						-7,5000	1.289,143	-6,0000	1.289,518	-3,5000	1.289,643	-2,00	1.289,306	1.289,713	-0,407	3,5000	1.289,643	-2,00	6,0000	1.289,518	7,5000	1.289,443	8,1000	1.289,043	12,1000	1.288,043	22,1461	1.290,555	2,512
5+760,000	-7,9134	1.289,927	0,413						-7,5000	1.289,514	-6,0000	1.289,889	-3,5000	1.290,014	-2,00	1.289,817	1.290,084	-0,267	3,5000	1.290,014	-2,00	6,0000	1.289,889	7,5000	1.289,814	8,1000	1.289,414	12,1000	1.288,414	21,5371	1.290,773	2,359
5+780,000	-7,9448	1.290,319	0,445						-7,5000	1.289,874	-6,0000	1.290,249	-3,5000	1.290,374	-2,00	1.290,189	1.290,444	-0,255	3,5000	1.290,374	-2,00	6,0000	1.290,249	7,5000	1.290,174	8,1000	1.289,774	12,1000	1.288,774	20,6823	1.290,920	2,146
5+800,000	-7,9240	1.290,646	0,424						-7,5000	1.290,222	-6,0000	1.290,597	-3,5000	1.290,722	-2,00	1.290,479	1.290,792	-0,313	3,5000	1.290,722	-2,00	6,0000	1.290,597	7,5000	1.290,522	8,1000	1.290,122	12,1000	1.289,122	20,8516	1.291,310	2,188
5+820,000	-6,3281	1.290,715	-0,219							-6,0000	1.290,934	-3,5000	1.291,059	-2,00	1.290,726	1.291,129	-0,403	3,5000	1.291,059	-2,00	6,0000	1.290,934	7,5000	1.290,859	8,1000	1.290,459	12,1000	1.289,459	20,7691	1.291,626	2,167	
5+840,000	-7,9018	1.291,287	0,402						-7,5000	1.290,885	-6,0000	1.291,260	-3,5000	1.291,385	-2,00	1.291,041	1.291,455	-0,414	3,5000	1.291,385	-2,00	6,0000	1.291,260	7,5000	1.291,185	8,1000	1.290,785	12,1000	1.289,785	20,5313	1.291,893	2,108
5+860,000	-7,9036	1.291,603	0,404						-7,5000	1.291,199	-6,0000	1.291,574	-3,5000	1.291,699	-2,00	1.291,378	1.291,769	-0,391	3,5000	1.291,699	-2,00	6,0000	1.291,574	7,5000	1.291,499	8,1000	1.291,099	12,1000	1.290,099	20,5648	1.292,215	2,116
5+880,000	-7,9165	1.291,918	0,416						-7,5000	1.291,502	-6,0000	1.291,877	-3,5000	1.292,002	-2,00	1.291,716	1.292,072	-0,356	3,5000	1.292,002	-2,00	6,0000	1.291,877	7,5000	1.291,802	8,1000	1.291,402	12,1000	1.290,402	20,5581	1.292,517	2,115
5+900,000	-7,9509	1.292,245	0,451						-7,5000	1.291,794	-6,0000	1.292,169	-3,5000	1.292,294	-2,00	1.292,037	1.292,364	-0,327	3,5000	1.292,294	-2,00	6,0000	1.292,169	7,5000	1.292,094	8,1000	1.291,694	12,1000	1.290,694	20,2765	1.292,738	2,044
5+920,000	-7,9156	1.292,490	0,416						-7,5000	1.292,074	-6,0000	1.292,449	-3,5000	1.292,574	-2,00	1.292,390	1.292,644	-0,255	3,5000	1.292,574	-2,00	6,0000	1.292,449	7,5000	1.292,374	8,1000	1.291,974	12,1000	1.290,974	20,9007	1.293,174	2,200
5+940,000	-6,5147	1.292,375	-0,343							-6,0000	1.292,718	-3,5000	1.292,843	-2,00	1.292,611	1.292,913	-0,302	3,5000	1.292,843	-2,00	6,0000	1.292,718	7,5000	1.292,643	8,1000	1.292,243	12,1000	1.291,243	20,8767	1.293,437	2,194	
5+960,000	-6,4217	1.292,695	-0,281							-6,0000	1.292,976	-3,5000	1.293,101	-2,00	1.292,804	1.293,171	-0,367	3,5000	1.293,101	-2,00	6,0000	1.292,976	7,5000	1.292,901	8,1000	1.292,501	12,1000	1.291,501	20,8550	1.293,690	2,189	
5+980,000	-6,2043	1.293,086	-0,136							-6,0000	1.293,222	-3,5000	1.293,347	-2,00	1.293,025	1.293,417	-0,392	3,5000	1.293,347	-2,00	6,0000	1.293,222	7,5000	1.293,147	8,1000	1.292,747	12,1000	1.291,747	20,3061	1.293,799	2,052	
6	-6,2602	1.293,284	-0,173							-6,0000	1.293,457	-3,5000	1.293,582	-2,00	1.293,274	1.293,652	-0,378	3,5000	1.293,582	-2,00	6,0000	1.293,457	7,5000	1.293,382	8,1000	1.292,982	12,1000	1.291,982	19,0495	1.293,719	1,737	
6+20,000	-6,2440	1.293,518	-0,163							-6,0000	1.293,681	-3,5000	1.293,806	-2,00	1.293,491	1.293,876	-0,385	3,5000	1.293,806	-2,00	6,0000	1.293,681	7,5000	1.293,606	8,1000	1.293,206	12,1000	1.292,206	18,2648	1.293,747	1,541	
6+40,000	-6,2734	1.293,712	-0,182							-6,0000	1.293,894	-3,5000	1.294,019	-2,00	1.293,751	1.294,089	-0,338	3,5000	1.294,019	-2,00	6,0000	1.293,894	7,5000	1.293,819	8,1000	1.293,419	12,1000	1.292,419	20,8853	1.294,615	2,196	
6+60,000	-6,2608	1.293,927	-0,174							-6,0000	1.294,101	-3,5000	1.294,226	-2,00	1.293,981	1.294,296	-0,315	3,5000	1.294,226	-2,00	6,0000	1.294,101	7,5000	1.294,026	8,1000	1.293,626	12,1000	1.292,626	20,1411	1.294,636	2,010	
6+80,000	-6,2405	1.294,147	-0,160							-6,0000	1.294,307	-3,5000	1.294,432	-2,00	1.294,217	1.294,502	-0,285	3,5000	1.294,432	-2,00	6,0000	1.294,307	7,5000	1.294,232	8,1000	1.293,832	12,1000	1.292,832	20,2470	1.294,869	2,037	



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO															
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET				
	DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT
6+100,000	-6,2903	1.294,320	-0,194							-6,0000	1.294,514	-3,5000	1.294,639	-2,00	1.294,436	1.294,709	-0,273	3,5000	1.294,639	-2,00	6,0000	1.294,514	7,5000	1.294,439	8,1000	1.294,039	12,1000	1.293,039	20,6456	1.295,175	2,136		
6+107,060	-7,6935	1.294,458	-0,129							-7,5000	1.294,587	-6,0000	1.294,662	-3,5000	1.294,712	-2,00	1.294,514	1.294,782	-0,268	3,5000	1.294,712	-2,00		7,5000	1.294,512	8,1000	1.294,112	12,1000	1.293,112	20,7855	1.295,283	2,171	
6+120,000	-7,8084	1.294,515	-0,206							-7,5000	1.294,721	-6,0000	1.294,796	-3,5000	1.294,846	-2,00	1.294,656	1.294,916	-0,260	3,5000	1.294,846	-2,00		7,5000	1.294,646	8,1000	1.294,246	12,1000	1.293,246	21,0394	1.295,481	2,235	
6+140,000	-8,0256	1.294,578	-0,350							-7,5000	1.294,928	-6,0000	1.295,003	-3,5000	1.295,053	-2,00	1.294,864	1.295,123	-0,259	3,5000	1.295,053	-2,00		7,5000	1.294,853	8,1000	1.294,453	12,1000	1.293,453	21,1786	1.295,723	2,270	
6+144,560	-8,1224	1.294,561	-0,415							-7,5000	1.294,976	-6,0000	1.295,051	-3,5000	1.295,101	-2,00	1.294,894	1.295,171	-0,277	3,5000	1.295,101	-2,00		7,5000	1.294,901	8,1000	1.294,501	12,1000	1.293,501	21,0826	1.295,747	2,246	
6+160,000	-9,3301	1.294,591	-0,534							-8,5293	1.295,125	-7,0293	1.295,200	-3,5000	1.295,270	-2,00	1.295,035	1.295,340	-0,305	3,5000	1.295,270	-2,00		7,5000	1.295,070	8,1000	1.294,670	12,1000	1.293,670	20,7254	1.295,826	2,156	
6+167,060	-9,7398	1.294,704	-0,493							-9,0000	1.295,197	-7,5000	1.295,272	-3,5000	1.295,352	-2,00	1.295,110	1.295,422	-0,312	3,5000	1.295,352	-2,00	6,0000	1.295,227	7,5000	1.295,152	8,1000	1.294,752	12,1000	1.293,752	20,4777	1.295,846	2,094
6+180,000	-9,5868	1.294,963	-0,391							-9,0000	1.295,354	-7,5000	1.295,429	-3,5000	1.295,509	-2,00	1.295,248	1.295,579	-0,331	3,5000	1.295,509	-2,00	6,0000	1.295,384	7,5000	1.295,309	8,1000	1.294,909	12,1000	1.293,909	20,2887	1.295,956	2,047
6+196,964	-9,8562	1.295,002	-0,571							-9,0000	1.295,573	-7,5000	1.295,648	-3,5000	1.295,728	-2,00	1.295,384	1.295,798	-0,414	3,5000	1.295,728	-2,00	6,0000	1.295,603	7,5000	1.295,528	8,1000	1.295,128	12,1000	1.294,128	19,9149	1.296,082	1,954
6+200,000	-9,7468	1.294,985	-0,633							-8,7976	1.295,618	-7,2976	1.295,693	-3,5000	1.295,769	-2,00	1.295,406	1.295,839	-0,433	3,5000	1.295,769	-2,00	6,0000	1.295,644	7,5000	1.295,569	8,1000	1.295,169	12,1000	1.294,169	19,9875	1.296,141	1,972
6+219,464	-8,7634	1.295,076	-0,842							-7,5000	1.295,918	-6,0000	1.295,993	-3,5000	1.296,043	-2,00	1.295,580	1.296,113	-0,533	3,5000	1.296,043	-2,00		7,5000	1.295,843	8,1000	1.295,443	12,1000	1.294,443	19,0351	1.296,177	1,734	
6+220,000	-8,7623	1.295,084	-0,842							-7,5000	1.295,926	-6,0000	1.296,001	-3,5000	1.296,051	-2,00	1.295,586	1.296,121	-0,535	3,5000	1.296,051	-2,00		7,5000	1.295,851	8,1000	1.295,451	12,1000	1.294,451	19,0247	1.296,182	1,731	
6+240,000	-8,7747	1.295,379	-0,850							-7,5000	1.296,229	-6,0000	1.296,304	-3,5000	1.296,354	-2,00	1.295,799	1.296,424	-0,625	3,5000	1.296,354	-2,00		7,5000	1.296,154	8,1000	1.295,754	12,1000	1.294,754	18,4952	1.296,353	1,599	
6+256,964	-9,2078	1.295,363	-1,139							-7,5000	1.296,502	-6,0000	1.296,577	-3,5000	1.296,627	-2,00	1.295,990	1.296,697	-0,707	3,5000	1.296,627	-2,00		7,5000	1.296,427	8,1000	1.296,027	12,1000	1.295,027	17,8881	1.296,474	1,447	
6+260,000	-7,5739	1.295,504	-1,049							-6,0000	1.296,553	-3,5000	1.296,678	-2,00	1.296,025	1.296,748	-0,723	3,5000	1.296,678	-2,00	6,0000	1.296,553	7,5000	1.296,478	8,1000	1.296,078	12,1000	1.295,078	17,5436	1.296,439	1,361		
6+280,000	-7,9527	1.295,596	-1,302							-6,0000	1.296,898	-3,5000	1.297,023	-2,00	1.296,311	1.297,093	-0,782	3,5000	1.297,023	-2,00	6,0000	1.296,898	7,5000	1.296,823	8,1000	1.296,423	12,1000	1.295,423	16,5450	1.296,534	1,111		
6+300,000	-9,1690	1.295,152	-2,113							-6,0000	1.297,265	-3,5000	1.297,390	-2,00	1.296,733	1.297,460	-0,727	3,5000	1.297,390	-2,00	6,0000	1.297,265	7,5000	1.297,190	8,1000	1.296,790	12,1000	1.295,790	15,0493	1.296,527	0,737		
6+320,000	-8,0095	1.296,313	-1,340							-6,0000	1.297,653	-3,5000	1.297,778	-2,00	1.297,139	1.297,848	-0,709	3,5000	1.297,778	-2,00	6,0000	1.297,653	7,5000	1.297,578	8,1000	1.297,178	12,1000	1.296,178	16,5481	1.297,290	1,112		
6+340,000	-7,7058	1.296,925	-1,137							-6,0000	1.298,062	-3,5000	1.298,187	-2,00	1.297,571	1.298,257	-0,686	3,5000	1.298,187	-2,00	6,0000	1.298,062	7,5000	1.297,987	8,1000	1.297,587	12,1000	1.296,587	16,2243	1.297,618	1,031		
6+360,000	-7,6811	1.297,361	-1,121							-6,0000	1.298,482	-3,5000	1.298,607	-2,00	1.298,087	1.298,677	-0,590	3,5000	1.298,607	-2,00	6,0000	1.298,482	7,5000	1.298,407	8,1000	1.298,007	12,1000	1.297,007	17,9292	1.298,464	1,457		
6+380,000	-7,4277	1.297,950	-0,952							-6,0000	1.298,902	-3,5000	1.299,027	-2,00	1.298,665	1.299,097	-0,432	3,5000	1.299,027	-2,00	6,0000	1.298,902	7,5000	1.298,827	8,1000	1.298,427	12,1000	1.297,427	18,4710	1.299,020	1,593		
6+400,000	-7,0295	1.298,636	-0,686							-6,0000	1.299,322	-3,5000	1.299,447	-2,00	1.299,180	1.299,517	-0,337	3,5000	1.299,447	-2,00	6,0000	1.299,322	7,5000	1.299,247	8,1000	1.298,847	12,1000	1.297,847	19,1896	1.299,619	1,772		
6+420,000	-6,7815	1.299,221	-0,521							-6,0000	1.299,742	-3,5000	1.299,867	-2,00	1.299,638	1.299,937	-0,299	3,5000	1.299,867	-2,00	6,0000	1.299,742	7,5000	1.299,667	8,1000	1.299,267	12,1000	1.298,267	18,5320	1.299,875	1,608		
6+440,000	-6,8608	1.299,589	-0,574							-6,0000	1.300,163	-3,5000	1.300,288	-2,00	1.300,001	1.300,358	-0,356	3,5000	1.300,288	-2,00	6,0000	1.300,163	7,5000	1.300,088	8,1000	1.299,688	12,1000	1.298,688	18,2575	1.300,227	1,539		
6+460,000	-6,9396	1.299,957	-0,626							-6,0000	1.300,583	-3,5000	1.300,708	-2,00	1.300,435	1.300,778	-0,343	3,5000	1.300,708	-2,00	6,0000	1.300,583	7,5000	1.300,508	8,1000	1.300,108	12,1000	1.299,108	19,5961	1.300,982	1,874		
6+480,000	-6,9992	1.300,337	-0,666							-6,0000	1.301,003	-3,5000	1.301,128	-2,00	1.300,869	1.301,198	-0,329	3,5000	1.301,128	-2,00	6,0000	1.301,003	7,5000	1.300,928	8,1000	1.300,528	12,1000	1.299,528	19,0871	1.301,275	1,747		
6+500,000	-7,0068	1.300,752	-0,671							-6,0000	1.301,423	-3,5000	1.301,548	-2,00	1.301,282	1.301,618	-0,336	3,5000	1.301,548	-2,00	6,0000	1.301,423	7,5000	1.301,348	8,1000	1.300,948	12,1000	1.299,948	18,7369	1.301,607	1,659		
6+520,000	-7,0879	1.301,118	-0,725							-6,0000	1.301,843	-3,5000	1.301,968	-2,00	1.301,688	1.302,038	-0,350	3,5000	1.301,968	-2,00	6,0000	1.301,843	7,5000	1.301,768	8,1000	1.301,368	12,1000	1.300,368	21,2086	1.302,645	2,277		
6+540,000	-7,1088	1.301,524	-0,739							-6,0000	1.302,263	-3,5000	1.302,388	-2,00	1.302,018	1.302,458	-0,440	3,5000	1.302,388	-2,00	6,0000	1.302,263	7,5000	1.302,188	8,1000	1.301,788	12,1000	1.300,788	17,0110	1.302,016	1,228		
6+560,000	-7,1303	1.301,929	-0,754							-6,0000	1.302,683	-3,5000	1.302,808	-2,00	1.302,393	1.302,878	-0,485	3,5000	1.302,808	-2,00	6,0000	1.302,683	7,5000	1.302,608	8,1000	1.302,208	12,1000	1.301,208	17,5099	1.302,560	1,352		
6+580,000	-7,0775	1.302,385	-0,718							-6,0000	1.303,103	-3,5000	1.303,228	-2,00	1.302,749	1.303,298	-0,549	3,5000	1.303,228	-2,00	6,0000	1.303,103	7,5000	1.303,028	8,1000	1.302,628	12,1000	1.301,628	17,1445	1.302,889	1,261		



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO														
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
6+600,000	-7,3533	1.302,621	-0,902								-6,0000	1.303,523	-3,5000	1.303,648	-2,00	1.303,125	1.303,718	-0,593	3,5000	1.303,648	-2,00	6,0000	1.303,523	7,5000	1.303,448	8,1000	1.303,048	12,1000	1.302,048	16,7758	1.303,217	1,169
6+620,000	-7,5209	1.302,929	-1,014								-6,0000	1.303,943	-3,5000	1.304,068	-2,00	1.303,500	1.304,138	-0,638	3,5000	1.304,068	-2,00	6,0000	1.303,943	7,5000	1.303,868	8,1000	1.303,468	12,1000	1.302,468	16,5028	1.303,569	1,101
6+640,000	-7,6367	1.303,272	-1,091								-6,0000	1.304,363	-3,5000	1.304,488	-2,00	1.303,864	1.304,558	-0,694	3,5000	1.304,488	-2,00	6,0000	1.304,363	7,5000	1.304,288	8,1000	1.303,888	12,1000	1.302,888	16,1654	1.303,904	1,016
6+660,000	-7,6615	1.303,675	-1,108								-6,0000	1.304,783	-3,5000	1.304,908	-2,00	1.304,224	1.304,978	-0,754	3,5000	1.304,908	-2,00	6,0000	1.304,783	7,5000	1.304,708	8,1000	1.304,308	12,1000	1.303,308	16,1985	1.304,333	1,025
6+680,000	-7,3891	1.304,277	-0,926								-6,0000	1.305,203	-3,5000	1.305,328	-2,00	1.304,687	1.305,398	-0,711	3,5000	1.305,328	-2,00	6,0000	1.305,203	7,5000	1.305,128	8,1000	1.304,728	12,1000	1.303,728	16,7184	1.304,883	1,155
6+700,000	-7,2964	1.304,759	-0,864								-6,0000	1.305,623	-3,5000	1.305,748	-2,00	1.305,109	1.305,818	-0,709	3,5000	1.305,748	-2,00	6,0000	1.305,623	7,5000	1.305,548	8,1000	1.305,148	12,1000	1.304,148	17,2393	1.305,433	1,285
6+720,000	-7,1535	1.305,274	-0,769								-6,0000	1.306,043	-3,5000	1.306,168	-2,00	1.305,567	1.306,238	-0,671	3,5000	1.306,168	-2,00	6,0000	1.306,043	7,5000	1.305,968	8,1000	1.305,568	12,1000	1.304,568	19,2338	1.306,351	1,783
6+740,000	-8,5608	1.305,681	-0,707					-7,5000	1.306,388	-6,0000	1.306,463	-3,5000	1.306,588	-2,00	1.305,989	1.306,658	-0,669	3,5000	1.306,588	-2,00	6,0000	1.306,463	7,5000	1.306,088					7,8451	1.306,433	0,345	
6+760,000	-8,4117	1.306,200	-0,608					-7,5000	1.306,808	-6,0000	1.306,883	-3,5000	1.307,008	-2,00	1.306,386	1.307,078	-0,692	3,5000	1.307,008	-2,00	6,0000	1.306,883	7,5000	1.306,508					7,8984	1.306,906	0,398	
6+780,000	-8,1200	1.306,815	-0,413					-7,5000	1.307,228	-6,0000	1.307,303	-3,5000	1.307,428	-2,00	1.306,812	1.307,498	-0,686	3,5000	1.307,428	-2,00	6,0000	1.307,303	7,5000	1.307,228					7,7041	1.307,432	0,204	
6+800,000	-7,8311	1.307,428	-0,221					-7,5000	1.307,649	-6,0000	1.307,724	-3,5000	1.307,849	-2,00	1.307,340	1.307,919	-0,579	3,5000	1.307,849	-2,00	6,0000	1.307,724	7,5000	1.307,649					7,8271	1.307,976	0,327	
6+820,000	-7,5244	1.308,053	-0,016					-7,5000	1.308,069	-6,0000	1.308,144	-3,5000	1.308,269	-2,00	1.307,879	1.308,339	-0,460	3,5000	1.308,269	-2,00	6,0000	1.308,144	7,5000	1.308,069					7,7025	1.308,271	0,202	
6+840,000	-8,0132	1.308,702	0,513					-7,5000	1.308,189	-6,0000	1.308,564	-3,5000	1.308,689	-2,00	1.308,454	1.308,759	-0,305	3,5000	1.308,689	-2,00	6,0000	1.308,564	7,5000	1.308,489					7,6893	1.308,678	0,189	
6+860,000	-8,1677	1.309,277	0,668					-7,5000	1.308,609	-6,0000	1.308,984	-3,5000	1.309,109	-2,00	1.308,982	1.309,179	-0,197	3,5000	1.309,109	-2,00	6,0000	1.308,984	7,5000	1.308,909					7,7761	1.309,185	0,276	
6+880,000	-8,2243	1.309,753	0,724					-7,5000	1.309,029	-6,0000	1.309,404	-3,5000	1.309,529	-2,00	1.309,482	1.309,599	-0,117	3,5000	1.309,529	-2,00	6,0000	1.309,404	7,5000	1.309,329					7,8963	1.309,725	0,396	
6+900,000	-8,0175	1.309,967	0,518					-7,5000	1.309,449	-6,0000	1.309,824	-3,5000	1.309,949	-2,00	1.309,995	1.310,019	-0,024	3,5000	1.309,949	-2,00	6,0000	1.309,824	7,5000	1.309,749					7,9522	1.310,201	0,452	
6+920,000	-7,8661	1.310,235	0,366					-7,5000	1.309,869	-6,0000	1.310,244	-3,5000	1.310,369	-2,00	1.310,430	1.310,439	-0,009	3,5000	1.310,369	-2,00	6,0000	1.310,244	7,5000	1.310,169					8,1252	1.310,794	0,625	
6+940,000	-7,7552	1.310,544	0,255					-7,5000	1.310,289	-6,0000	1.310,664	-3,5000	1.310,789	-2,00	1.310,819	1.310,859	-0,040	3,5000	1.310,789	-2,00	6,0000	1.310,664	7,5000	1.310,589					8,2573	1.311,346	0,757	
6+960,000	-7,9202	1.311,129	0,420					-7,5000	1.310,709	-6,0000	1.311,084	-3,5000	1.311,209	-2,00	1.311,220	1.311,279	-0,059	3,5000	1.311,209	-2,00	6,0000	1.311,084	7,5000	1.311,009					8,1553	1.311,664	0,655	
6+980,000	-7,9988	1.311,628	0,499					-7,5000	1.311,129	-6,0000	1.311,504	-3,5000	1.311,629	-2,00	1.311,573	1.311,699	-0,126	3,5000	1.311,629	-2,00	6,0000	1.311,504	7,5000	1.311,429					8,0272	1.311,956	0,527	
7	-7,9890	1.312,038	0,489					-7,5000	1.311,549	-6,0000	1.311,924	-3,5000	1.312,049	-2,00	1.311,870	1.312,119	-0,249	3,5000	1.312,049	-2,00	6,0000	1.311,924	7,5000	1.311,849					7,9311	1.312,280	0,431	
7+20,000	-7,5543	1.312,233	-0,036					-7,5000	1.312,269	-6,0000	1.312,344	-3,5000	1.312,469	-2,00	1.312,159	1.312,539	-0,380	3,5000	1.312,469	-2,00	6,0000	1.312,344	7,5000	1.312,269					7,9094	1.312,678	0,409	
7+40,000	-7,8375	1.312,464	-0,225					-7,5000	1.312,689	-6,0000	1.312,764	-3,5000	1.312,889	-2,00	1.312,471	1.312,959	-0,488	3,5000	1.312,889	-2,00	6,0000	1.312,764	7,5000	1.312,689					7,8084	1.312,997	0,308	
7+60,000	-7,7317	1.312,955	-0,154					-7,5000	1.313,109	-6,0000	1.313,184	-3,5000	1.313,309	-2,00	1.312,867	1.313,379	-0,512	3,5000	1.313,309	-2,00	6,0000	1.313,184	7,5000	1.313,109					7,7890	1.313,398	0,289	
7+80,000	-7,9223	1.313,247	-0,282					-7,5000	1.313,529	-6,0000	1.313,604	-3,5000	1.313,729	-2,00	1.313,223	1.313,799	-0,576	3,5000	1.313,729	-2,00	6,0000	1.313,604	7,5000	1.313,529					7,5782	1.313,607	0,078	
7+100,000	-8,0854	1.313,559	-0,390					-7,5000	1.313,949	-6,0000	1.314,024	-3,5000	1.314,149	-2,00	1.313,529	1.314,219	-0,690	3,5000	1.314,149	-2,00	6,0000	1.314,024	7,5000	1.313,949					8,1832	1.313,494	-0,455	
7+120,000	-8,2111	1.313,895	-0,474					-7,5000	1.314,369	-6,0000	1.314,444	-3,5000	1.314,569	-2,00	1.313,861	1.314,639	-0,778	3,5000	1.314,569	-2,00	6,0000	1.314,444	7,5000	1.314,369					7,5426	1.314,412	0,043	
7+140,000	-8,5249	1.314,106	-0,683					-7,5000	1.314,789	-6,0000	1.314,864	-3,5000	1.314,989	-2,00	1.314,210	1.315,059	-0,849	3,5000	1.314,989	-2,00	6,0000	1.314,864	7,5000	1.314,789					7,5797	1.314,869	0,080	
7+160,000	-8,2767	1.314,692	-0,518					-7,5000	1.315,210	-6,0000	1.315,285	-3,5000	1.315,410	-2,00	1.314,573	1.315,480	-0,907	3,5000	1.315,410	-2,00	6,0000	1.315,285	7,5000	1.315,210					7,9968	1.314,879	-0,331	
7+180,000	-8,2908	1.315,103	-0,527					-7,5000	1.315,630	-6,0000	1.315,705	-3,5000	1.315,830	-2,00	1.314,950	1.315,900	-0,950	3,5000	1.315,830	-2,00	6,0000	1.315,705	7,5000	1.315,630					8,4695	1.314,984	-0,646	
7+200,000	-8,5680	1.315,338	-0,712					-7,5000	1.316,050	-6,0000	1.316,125	-3,5000	1.316,250	-2,00	1.315,428	1.316,320	-0,892	3,5000	1.316,250	-2,00	6,0000	1.316,125	7,5000	1.316,050					8,3685	1.315,471	-0,579	



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO															EIXO			LADO DIREITO													
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
7+220,000	-8,6740	1.315,687	-0,783					-7,5000	1.316,470	-6,0000	1.316,545	-3,5000	1.316,670	-2,00	1.315,959	1.316,740	-0,781	3,5000	1.316,670	-2,00	6,0000	1.316,545	7,5000	1.316,470						8,5945	1.315,740	-0,730
7+240,000	-8,9371	1.315,932	-0,958					-7,5000	1.316,890	-6,0000	1.316,965	-3,5000	1.317,090	-2,00	1.316,432	1.317,160	-0,728	3,5000	1.317,090	-2,00	6,0000	1.316,965	7,5000	1.316,890						8,5340	1.316,201	-0,689
7+260,000	-8,8058	1.316,439	-0,871					-7,5000	1.317,310	-6,0000	1.317,385	-3,5000	1.317,510	-2,00	1.316,893	1.317,580	-0,687	3,5000	1.317,510	-2,00	6,0000	1.317,385	7,5000	1.317,310						8,3368	1.316,752	-0,558
7+280,000	-8,3827	1.317,142	-0,588					-7,5000	1.317,730	-6,0000	1.317,805	-3,5000	1.317,930	-2,00	1.317,346	1.318,000	-0,654	3,5000	1.317,930	-2,00	6,0000	1.317,805	7,5000	1.317,730						8,1389	1.317,304	-0,426
7+300,000	-8,3911	1.317,556	-0,594					-7,5000	1.318,150	-6,0000	1.318,225	-3,5000	1.318,350	-2,00	1.317,730	1.318,420	-0,690	3,5000	1.318,350	-2,00	6,0000	1.318,225	7,5000	1.318,150						7,9584	1.317,844	-0,306
7+320,000	-8,6542	1.317,801	-0,769					-7,5000	1.318,570	-6,0000	1.318,645	-3,5000	1.318,770	-2,00	1.318,251	1.318,840	-0,589	3,5000	1.318,770	-2,00	6,0000	1.318,645	7,5000	1.318,570						7,7951	1.318,373	-0,197
7+340,000	-8,9641	1.318,014	-0,976					-7,5000	1.318,990	-6,0000	1.319,065	-3,5000	1.319,190	-2,00	1.318,930	1.319,260	-0,330	3,5000	1.319,190	-2,00	6,0000	1.319,065	7,5000	1.318,990						7,7382	1.318,831	-0,159
7+360,000	-8,2788	1.318,891	-0,519					-7,5000	1.319,410	-6,0000	1.319,485	-3,5000	1.319,610	-2,00	1.319,164	1.319,680	-0,516	3,5000	1.319,610	-2,00	6,0000	1.319,485	7,5000	1.319,410						7,5242	1.319,394	-0,016
7+380,000	-8,4355	1.319,206	-0,624					-7,5000	1.319,830	-6,0000	1.319,905	-3,5000	1.320,030	-2,00	1.319,422	1.320,100	-0,678	3,5000	1.320,030	-2,00	6,0000	1.319,905	7,5000	1.319,830						7,7644	1.319,654	-0,176
7+382,740	-8,5720	1.319,248	-0,715					-7,5000	1.319,963			-6,0000	1.320,038	-2,00	1.319,461	1.320,158	-0,697	6,0000	1.320,038	-2,00			7,5000	1.319,963						8,0151	1.319,620	-0,343
7+400,000	-8,6092	1.319,586	-0,739					-7,5000	1.320,325			-6,0000	1.320,400	-2,00	1.319,795	1.320,520	-0,725	6,0000	1.320,400	-2,00			7,5000	1.320,325						8,4269	1.319,707	-0,618
7+420,000	-8,6014	1.320,011	-0,734					-7,5000	1.320,745			-6,0000	1.320,820	-2,00	1.320,221	1.320,940	-0,719	6,0000	1.320,820	-2,00			7,5000	1.320,745						8,7904	1.319,885	-0,860
7+421,548	-8,6025	1.320,043	-0,735					-7,5000	1.320,778			-6,0000	1.320,853	-2,00	1.320,246	1.320,973	-0,727	6,0000	1.320,853	-2,00			7,5000	1.320,778						8,7979	1.319,913	-0,865
7+440,000	-8,6347	1.320,409	-0,756					-7,5000	1.321,165			-6,0000	1.321,240	-2,00	1.320,549	1.321,360	-0,811	7,1886	1.321,217	-2,00			8,6886	1.321,142						9,5664	1.320,557	-0,585
7+452,595	-8,6432	1.320,668	-0,762					-7,5000	1.321,430			-6,0000	1.321,505	-2,00	1.320,863	1.321,625	-0,762	8,0000	1.321,465	-2,00			9,5000	1.321,390						10,2538	1.320,887	-0,503
7+460,000	-8,6254	1.320,835	-0,750					-7,5000	1.321,585			-6,0000	1.321,660	-2,00	1.321,058	1.321,780	-0,722	8,0000	1.321,620	-2,00			9,5000	1.321,545						10,2343	1.321,055	-0,490
7+461,548	-8,6146	1.320,875	-0,743					-7,5000	1.321,618			-6,0000	1.321,693	-2,00	1.321,099	1.321,813	-0,714	8,0000	1.321,653	-2,00			9,5000	1.321,578						10,2315	1.321,090	-0,488
7+480,000	-9,6672	1.321,330	-0,652					-8,6886	1.321,982			-7,1886	1.322,057	-2,00	1.321,583	1.322,200	-0,617	8,0000	1.322,040	-2,00			9,5000	1.321,965						10,1843	1.321,509	-0,456
7+492,595	-10,4090	1.321,624	-0,606					-9,5000	1.322,230			-8,0000	1.322,305	-2,00	1.321,900	1.322,465	-0,565	8,0000	1.322,305	-2,00			9,5000	1.322,230						10,0867	1.321,839	-0,391
7+500,000	-10,3778	1.321,800	-0,585					-9,5000	1.322,385			-8,0000	1.322,460	-2,00	1.322,074	1.322,620	-0,546	7,4315	1.322,472	-2,00										7,4315	1.321,341	-1,131
7+518,645	-10,7381	1.321,952	-0,825					-9,5000	1.322,777			-8,0000	1.322,852	-2,00	1.322,512	1.323,012	-0,500	6,0000	1.322,892	-2,00										6,0000	1.322,265	-0,627
7+520,000	-10,8286	1.321,920	-0,886					-9,5000	1.322,806			-8,0000	1.322,881	-2,00	1.322,544	1.323,041	-0,497	6,0000	1.322,921	-2,00										6,0000	1.322,309	-0,612
7+523,975	-11,1668	1.321,778	-1,111					-9,5000	1.322,889			-8,0000	1.322,964	-2,00	1.322,639	1.323,124	-0,485	6,0000	1.323,004	-2,00										6,0000	1.322,438	-0,566
7+534,138	-11,1172	1.322,024	-1,078					-9,5000	1.323,102			-8,0000	1.323,177	-2,00	1.322,882	1.323,337	-0,455	6,0000	1.323,217	-2,00										6,0000	1.322,866	-0,351
7+538,051	-11,1137	1.322,109	-1,076					-9,5000	1.323,185			-8,0000	1.323,260	-2,00	1.322,976	1.323,420	-0,444	6,0000	1.323,300	-2,00										6,0000	1.323,020	-0,280
7+540,000	-11,1113	1.322,152	-1,074					-9,5000	1.323,226			-8,0000	1.323,301	-2,00	1.323,022	1.323,461	-0,439	6,0000	1.323,341	-2,00										6,0000	1.323,089	-0,252
7+546,261	-9,7600	1.323,184	-0,173					-9,5000	1.323,357			-8,0000	1.323,432	-2,00	1.323,235	1.323,592	-0,357	6,0000	1.323,472	-2,00										6,0000	1.323,068	-0,404
7+557,472	-9,9556	1.323,289	-0,304					-9,5000	1.323,593			-8,0000	1.323,668	-2,00	1.323,603	1.323,828	-0,225	6,0000	1.323,708	-2,00										6,0000	1.323,749	0,041
7+560,000	-10,0194	1.323,300	-0,346					-9,5000	1.323,646			-8,0000	1.323,721	-2,00	1.323,686	1.323,881	-0,195	6,2285	1.323,756	-2,00										6,2285	1.323,813	0,057
7+579,595	-9,9294	1.323,771	-0,286					-9,5000	1.324,057			-8,0000	1.324,132	-2,00	1.324,221	1.324,292	-0,071	8,0000	1.324,132	-2,00			9,5000	1.324,057	10,1000	1.323,657	14,1000	1.322,657	20,0448	1.324,143	1,486	
7+580,000	-9,8942	1.323,786	-0,280					-9,4739	1.324,066			-7,9739	1.324,141	-2,00	1.324,231	1.324,301	-0,070	8,0000	1.324,141	-2,00			9,5000	1.324,066	10,1000	1.323,666	14,1000	1.322,666	20,0557	1.324,155	1,489	



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO													
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET		
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT	
7+600,000	-8,3055	1.324,332	0,120					-8,1855	1.324,212			-6,6855	1.324,587	-2,00	1.324,726	1.324,721	0,005	8,0000	1.324,561	-2,00			9,5000	1.324,486	10,1000	1.324,086	14,1000	1.323,086	20,2983	1.324,636	1,550
7+610,641	-7,7673	1.324,716	0,267					-7,5000	1.324,449			-6,0000	1.324,824	-2,00	1.325,018	1.324,944	0,074	8,0000	1.324,784	-2,00			9,5000	1.324,709	10,1000	1.324,309	14,1000	1.323,309	20,1868	1.324,831	1,522
7+619,595	-7,8814	1.325,018	0,381					-7,5000	1.324,637			-6,0000	1.325,012	-2,00	1.325,249	1.325,132	0,117	8,0000	1.324,972	-2,00			9,5000	1.324,897	10,1000	1.324,497	14,1000	1.323,497	20,2066	1.325,024	1,527
7+620,000	-7,8797	1.325,026	0,380					-7,5000	1.324,646			-6,0000	1.325,021	-2,00	1.325,257	1.325,141	0,116	7,9739	1.324,981	-2,00			9,4739	1.324,906	10,0739	1.324,506	14,0739	1.323,506	20,1839	1.325,034	1,528
7+640,000	-7,8142	1.325,380	0,314					-7,5000	1.325,066			-6,0000	1.325,441	-2,00	1.325,661	1.325,561	0,100	6,6855	1.325,427	-2,00			8,1855	1.325,352	8,7855	1.324,952	12,7855	1.323,952	18,7383	1.325,440	1,488
7+650,642	-7,7967	1.325,586	0,297					-7,5000	1.325,289			-6,0000	1.325,664	-2,00	1.325,849	1.325,784	0,065	6,0000	1.325,664	-2,00			7,5000	1.325,589	8,1000	1.325,189	12,1000	1.324,189	17,8422	1.325,625	1,436
7+660,000	-7,8505	1.325,836	0,350					-7,5000	1.325,486			-6,0000	1.325,861	-2,00	1.326,004	1.325,981	0,023	6,0000	1.325,861	-2,00			7,5000	1.325,786	8,1000	1.325,386	12,1000	1.324,386	17,7748	1.325,805	1,419
7+680,000	-7,8271	1.326,233	0,327					-7,5000	1.325,906			-6,0000	1.326,281	-2,00	1.326,365	1.326,401	-0,036	6,0000	1.326,281	-2,00			7,5000	1.326,206	8,1000	1.325,806	12,1000	1.324,806	17,6388	1.326,191	1,385
7+689,450	-7,7973	1.326,401	0,297					-7,5000	1.326,104			-6,0000	1.326,479	-2,00	1.326,538	1.326,599	-0,061	6,0000	1.326,479	-2,00			7,5000	1.326,404	8,1000	1.326,004	20,1000	1.324,004	30,3895	1.326,576	2,572
7+700,000	-7,8350	1.326,586	0,335					-7,5000	1.326,251	-6,0000	1.326,626	-3,5000	1.326,751	-2,00	1.326,726	1.326,821	-0,095	3,5000	1.326,751	-2,00	6,0000	1.326,626	7,5000	1.326,551	8,1000	1.326,151	20,1000	1.324,151	30,6338	1.326,784	2,633
7+720,000	-7,6009	1.326,904	-0,067					-7,5000	1.326,971	-6,0000	1.327,046	-3,5000	1.327,171	-2,00	1.327,400	1.327,241	0,159	3,5000	1.327,171	-2,00	6,0000	1.327,046	7,5000	1.326,971	8,1000	1.326,571	20,1000	1.324,571	30,5138	1.327,174	2,603
7+740,000	-7,8211	1.327,177	-0,214					-7,5000	1.327,391	-6,0000	1.327,466	-3,5000	1.327,591	-2,00	1.327,630	1.327,661	-0,032	3,5000	1.327,591	-2,00	6,0000	1.327,466	7,5000	1.327,391	8,1000	1.326,991	20,1000	1.324,991	30,3799	1.327,561	2,570
7+760,000	-7,5737	1.327,762	-0,049					-7,5000	1.327,811	-6,0000	1.327,886	-3,5000	1.328,011	-2,00	1.327,950	1.328,081	-0,131	3,5000	1.328,011	-2,00	6,0000	1.327,886	7,5000	1.327,811	8,1000	1.327,411	20,1000	1.325,411	30,1805	1.327,931	2,520
7+780,000	-7,5491	1.328,198	-0,033					-7,5000	1.328,231	-6,0000	1.328,306	-3,5000	1.328,431	-2,00	1.328,416	1.328,501	-0,085	3,5000	1.328,431	-2,00	6,0000	1.328,306	7,5000	1.328,231	8,1000	1.327,831	20,1000	1.325,831	30,2573	1.328,370	2,539
7+800,000	-7,7336	1.328,495	-0,156					-7,5000	1.328,651	-6,0000	1.328,726	-3,5000	1.328,851	-2,00	1.328,779	1.328,921	-0,142	3,5000	1.328,851	-2,00	6,0000	1.328,726	7,5000	1.328,651	8,1000	1.328,251	20,1000	1.326,251	30,1430	1.328,762	2,511
7+820,000	-7,5866	1.329,013	-0,058					-7,5000	1.329,071	-6,0000	1.329,146	-3,5000	1.329,271	-2,00	1.329,192	1.329,341	-0,149	3,5000	1.329,271	-2,00	6,0000	1.329,146	7,5000	1.329,071	8,1000	1.328,671	20,1000	1.326,671	29,7946	1.329,095	2,424
7+840,000	-7,5876	1.329,433	-0,058					-7,5000	1.329,491	-6,0000	1.329,566	-3,5000	1.329,691	-2,00	1.329,603	1.329,761	-0,158	3,5000	1.329,691	-2,00	6,0000	1.329,566	7,5000	1.329,491	8,1000	1.329,091	20,1000	1.327,091	29,6805	1.329,486	2,395
7+860,000	-7,7653	1.329,734	-0,177					-7,5000	1.329,911	-6,0000	1.329,986	-3,5000	1.330,111	-2,00	1.330,018	1.330,181	-0,163	3,5000	1.330,111	-2,00	6,0000	1.329,986	7,5000	1.329,911	8,1000	1.329,511	20,1000	1.327,511	28,9571	1.329,725	2,214
7+880,000	-7,8430	1.330,103	-0,229					-7,5000	1.330,332	-6,0000	1.330,407	-3,5000	1.330,532	-2,00	1.330,408	1.330,602	-0,194	3,5000	1.330,532	-2,00	6,0000	1.330,407	7,5000	1.330,332	8,1000	1.329,932	20,1000	1.327,932	28,5436	1.330,043	2,111
7+900,000	-7,9892	1.330,426	-0,326					-7,5000	1.330,752	-6,0000	1.330,827	-3,5000	1.330,952	-2,00	1.330,790	1.331,022	-0,232	3,5000	1.330,952	-2,00	6,0000	1.330,827	7,5000	1.330,752	8,1000	1.330,352	20,1000	1.328,352	28,2183	1.330,382	2,030
7+910,000	-8,0583	1.330,590	-0,372					-7,5000	1.330,962	-6,0000	1.331,037	-3,5000	1.331,162	-2,00	1.330,972	1.331,232	-0,260	3,5000	1.331,162	-2,00	6,0000	1.331,037	7,5000	1.330,962	8,1000	1.330,562	20,1000	1.328,562	28,1927	1.330,585	2,023
7+920,000	-8,2507	1.330,669	-0,500					-7,5000	1.331,169	-6,0000	1.331,244	-3,5000	1.331,369	-2,00	1.331,149	1.331,439	-0,290	3,5000	1.331,369	-2,00	6,0000	1.331,244	7,5000	1.331,169	8,1000	1.330,769	20,1000	1.328,769	28,1488	1.330,781	2,012
7+940,000	-8,1973	1.331,106	-0,465					-7,5000	1.331,571	-6,0000	1.331,646	-3,5000	1.331,771	-2,00	1.331,501	1.331,841	-0,340	3,5000	1.331,771	-2,00	6,0000	1.331,646	7,5000	1.331,571	8,1000	1.331,171	20,1000	1.329,171	27,6242	1.331,052	1,881
7+960,000	-8,1212	1.331,540	-0,414					-7,5000	1.331,954	-6,0000	1.332,029	-3,5000	1.332,154	-2,00	1.331,818	1.332,224	-0,406	3,5000	1.332,154	-2,00	6,0000	1.332,029	7,5000	1.331,954					8,1413	1.331,526	-0,428
7+980,000	-8,1808	1.331,864	-0,454					-7,5000	1.332,318	-6,0000	1.332,393	-3,5000	1.332,518	-2,00	1.332,130	1.332,588	-0,458	3,5000	1.332,518	-2,00	6,0000	1.332,393	7,5000	1.332,318					8,2394	1.331,825	-0,493
8	-8,2511	1.332,163	-0,501					-7,5000	1.332,664	-6,0000	1.332,739	-3,5000	1.332,864	-2,00	1.332,450	1.332,934	-0,484	3,5000	1.332,864	-2,00	6,0000	1.332,739	7,5000	1.332,664					8,2560	1.332,160	-0,504
8+20,000	-8,4211	1.332,377	-0,614					-7,5000	1.332,991	-6,0000	1.333,066	-3,5000	1.333,191	-2,00	1.332,758	1.333,261	-0,503	3,5000	1.333,191	-2,00	6,0000	1.333,066	7,5000	1.332,991					8,2853	1.332,467	-0,524
8+40,000	-8,6778	1.332,514	-0,785					-7,5000	1.333,299	-6,0000	1.333,374	-3,5000	1.333,499	-2,00	1.333,049	1.333,569	-0,520	3,5000	1.333,499	-2,00	6,0000	1.333,374	7,5000	1.333,299					8,5446	1.332,603	-0,696
8+60,000	-8,6783	1.332,803	-0,786					-7,5000	1.333,589	-6,0000	1.333,664	-3,5000	1.333,789	-2,00	1.333,316	1.333,859	-0,543	3,5000	1.333,789	-2,00	6,0000	1.333,664	7,5000	1.333,589					8,6264	1.332,838	-0,751
8+80,000	-8,5706	1.333,147	-0,714					-7,5000	1.333,861	-6,0000	1.333,936	-3,5000	1.334,061	-2,00	1.333,526	1.334,131	-0,605	3,5000	1.334,061	-2,00	6,0000	1.333,936	7,5000	1.333,861					8,6534	1.333,092	-0,769
8+100,000	-8,7720	1.333,265	-0,848					-7,5000	1.334,113	-6,0000	1.334,188	-3,5000	1.334,313	-2,00	1.333,708	1.334,383	-0,675	3,5000	1.334,313	-2,00	6,0000	1.334,188	7,5000	1.334,113					8,8512	1.333,212	-0,901



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA

DF-220-NS-R01



ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO														
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
8+120,000	-8,5014	1.333,680	-0,668					-7,5000	1.334,348	-6,0000	1.334,423	-3,5000	1.334,548	-2,00	1.333,932	1.334,618	-0,686	3,5000	1.334,548	-2,00	6,0000	1.334,423	7,5000	1.334,348						8,7585	1.333,509	-0,839
8+140,000	-8,4495	1.333,930	-0,633					-7,5000	1.334,563	-6,0000	1.334,638	-3,5000	1.334,763	-2,00	1.334,114	1.334,833	-0,719	3,5000	1.334,763	-2,00	6,0000	1.334,638	7,5000	1.334,563						8,7538	1.333,727	-0,836
8+160,000	-8,7521	1.333,925	-0,835					-7,5000	1.334,760	-6,0000	1.334,835	-3,5000	1.334,960	-2,00	1.334,308	1.335,030	-0,722	3,5000	1.334,960	-2,00	6,0000	1.334,835	7,5000	1.334,760						8,6238	1.334,011	-0,749
8+180,000	-8,7225	1.334,124	-0,815					-7,5000	1.334,939	-6,0000	1.335,014	-3,5000	1.335,139	-2,00	1.334,409	1.335,209	-0,800	3,5000	1.335,139	-2,00	6,0000	1.335,014	7,5000	1.334,939						8,6451	1.334,176	-0,763
8+200,000	-7,8837	1.334,843	-0,256					-7,5000	1.335,099	-6,0000	1.335,174	-3,5000	1.335,299	-2,00	1.334,595	1.335,369	-0,774	3,5000	1.335,299	-2,00	6,0000	1.335,174	7,5000	1.335,099						8,6216	1.334,351	-0,748
8+210,000	-8,6899	1.334,379	-0,793					-7,5000	1.335,172	-6,0000	1.335,247	-3,5000	1.335,372	-2,00	1.334,687	1.335,442	-0,755	3,5000	1.335,372	-2,00	6,0000	1.335,247	7,5000	1.335,172						8,5583	1.334,466	-0,706
8+220,000	-8,4304	1.334,622	-0,620					-7,5000	1.335,242	-6,0000	1.335,317	-3,5000	1.335,442	-2,00	1.334,767	1.335,512	-0,745	3,5000	1.335,442	-2,00	6,0000	1.335,317	7,5000	1.335,242						8,5874	1.334,517	-0,725
8+240,000	-8,3707	1.334,804	-0,580					-7,5000	1.335,384	-6,0000	1.335,459	-3,5000	1.335,584	-2,00	1.334,971	1.335,654	-0,683	3,5000	1.335,584	-2,00	6,0000	1.335,459	7,5000	1.335,384						8,5917	1.334,656	-0,728
8+260,000	-8,5013	1.334,857	-0,668					-7,5000	1.335,525	-6,0000	1.335,600	-3,5000	1.335,725	-2,00	1.335,192	1.335,795	-0,603	3,5000	1.335,725	-2,00	6,0000	1.335,600	7,5000	1.335,525						8,5321	1.334,837	-0,688
8+280,000	-8,4648	1.335,023	-0,643					-7,5000	1.335,666	-6,0000	1.335,741	-3,5000	1.335,866	-2,00	1.335,356	1.335,936	-0,580	3,5000	1.335,866	-2,00	6,0000	1.335,741	7,5000	1.335,666						8,3036	1.335,130	-0,536
8+300,000	-9,2111	1.334,667	-1,141					-7,5000	1.335,808	-6,0000	1.335,883	-3,5000	1.336,008	-2,00	1.335,023	1.336,078	-1,055	3,5000	1.336,008	-2,00	6,0000	1.335,883	7,5000	1.335,808						8,2368	1.335,317	-0,491
8+320,000	-9,7677	1.334,437	-1,512					-7,5000	1.335,949	-6,0000	1.336,024	-3,5000	1.336,149	-2,00	1.334,845	1.336,219	-1,374	3,5000	1.336,149	-2,00	6,0000	1.336,024	7,5000	1.335,949						8,1793	1.335,496	-0,453
8+340,000	-9,8741	1.334,507	-1,583					-7,5000	1.336,090	-6,0000	1.336,165	-3,5000	1.336,290	-2,00	1.334,950	1.336,360	-1,410	3,5000	1.336,290	-2,00	6,0000	1.336,165	7,5000	1.336,090						9,5333	1.334,734	-1,356
8+360,000	-9,7353	1.334,741	-1,490					-7,5000	1.336,231	-6,0000	1.336,306	-3,5000	1.336,431	-2,00	1.335,128	1.336,501	-1,373	3,5000	1.336,431	-2,00	6,0000	1.336,306	7,5000	1.336,231						8,6026	1.335,496	-0,735
8+380,000	-9,5105	1.335,033	-1,340					-7,5000	1.336,373	-6,0000	1.336,448	-3,5000	1.336,573	-2,00	1.335,298	1.336,643	-1,345	3,5000	1.336,573	-2,00	6,0000	1.336,448	7,5000	1.336,373						8,9317	1.335,419	-0,954
8+400,000	-9,3052	1.335,311	-1,203					-7,5000	1.336,514	-6,0000	1.336,589	-3,5000	1.336,714	-2,00	1.335,677	1.336,784	-1,107	3,5000	1.336,714	-2,00	6,0000	1.336,589	7,5000	1.336,514						8,0139	1.336,171	-0,343
8+420,000	-8,3136	1.336,113	-0,542					-7,5000	1.336,655	-6,0000	1.336,730	-3,5000	1.336,855	-2,00	1.336,533	1.336,925	-0,392	3,5000	1.336,855	-2,00	6,0000	1.336,730	7,5000	1.336,655						8,1892	1.336,196	-0,459
8+440,000	-8,1035	1.336,395	-0,402					-7,5000	1.336,797	-6,0000	1.336,872	-3,5000	1.336,997	-2,00	1.336,858	1.337,067	-0,209	3,5000	1.336,997	-2,00	6,0000	1.336,872	7,5000	1.336,797						8,2894	1.336,271	-0,526
8+460,000	-8,1525	1.336,491	-0,435					-7,5000	1.336,926	-6,0000	1.337,001	-3,5000	1.337,126	-2,00	1.337,011	1.337,196	-0,185	3,5000	1.337,126	-2,00	6,0000	1.337,001	7,5000	1.336,926						8,2927	1.336,398	-0,528
8+480,000	-8,1370	1.336,606	-0,425					-7,5000	1.337,031	-6,0000	1.337,106	-3,5000	1.337,231	-2,00	1.337,094	1.337,301	-0,207	3,5000	1.337,231	-2,00	6,0000	1.337,106	7,5000	1.337,031						8,2738	1.336,515	-0,516
8+500,000	-8,1158	1.336,701	-0,411					-7,5000	1.337,112	-6,0000	1.337,187	-3,5000	1.337,312	-2,00	1.337,128	1.337,382	-0,254	3,5000	1.337,312	-2,00	6,0000	1.337,187	7,5000	1.337,112						8,2543	1.336,609	-0,503
8+520,000	-7,8354	1.336,944	-0,224					-7,5000	1.337,168	-6,0000	1.337,243	-3,5000	1.337,368	-2,00	1.337,216	1.337,438	-0,222	3,5000	1.337,368	-2,00	6,0000	1.337,243	7,5000	1.337,168						8,3313	1.336,614	-0,554
8+540,000	-7,9712	1.336,887	-0,314					-7,5000	1.337,201	-6,0000	1.337,276	-3,5000	1.337,401	-2,00	1.337,277	1.337,471	-0,194	3,5000	1.337,401	-2,00	6,0000	1.337,276	7,5000	1.337,201						8,2134	1.336,725	-0,476
8+560,000	-7,9917	1.336,881	-0,328					-7,5000	1.337,209	-6,0000	1.337,284	-3,5000	1.337,409	-2,00	1.337,221	1.337,479	-0,258	3,5000	1.337,409	-2,00	6,0000	1.337,284	7,5000	1.337,209						8,2014	1.336,741	-0,468
8+580,000	-8,0988	1.336,794	-0,399					-7,5000	1.337,193	-6,0000	1.337,268	-3,5000	1.337,393	-2,00	1.337,193	1.337,463	-0,270	3,5000	1.337,393	-2,00	6,0000	1.337,268	7,5000	1.337,193						8,2990	1.336,660	-0,533
8+600,000	-8,0258	1.336,802	-0,351					-7,5000	1.337,153	-6,0000	1.337,228	-3,5000	1.337,353	-2,00	1.337,244	1.337,423	-0,179	3,5000	1.337,353	-2,00	6,0000	1.337,228	7,5000	1.337,153						8,1726	1.336,705	-0,448
8+620,000	-7,8472	1.336,858	-0,231					-7,5000	1.337,089	-6,0000	1.337,164	-3,5000	1.337,289	-2,00	1.337,059	1.337,359	-0,300	3,5000	1.337,289	-2,00	6,0000	1.337,164	7,5000	1.337,089						8,2144	1.336,613	-0,476
8+640,000	-7,7276	1.336,848	-0,152					-7,5000	1.337,000	-6,0000	1.337,075	-3,5000	1.337,200	-2,00	1.336,963	1.337,270	-0,307	3,5000	1.337,200	-2,00	6,0000	1.337,075	7,5000	1.337,000						8,1764	1.336,549	-0,451
8+660,000	-7,5742	1.336,851	-0,049					-7,5000	1.336,900	-6,0000	1.336,975	-3,5000	1.337,100	-2,00	1.336,859	1.337,170	-0,311	3,5000	1.337,100	-2,00	6,0000	1.336,975	7,5000	1.336,900						7,9056	1.336,630	-0,270
8+680,000	-7,7965	1.336,601	-0,198					-7,5000	1.336,799	-6,0000	1.336,874	-3,5000	1.336,999	-2,00	1.336,731	1.337,069	-0,338	3,5000	1.336,999	-2,00	6,0000	1.336,874	7,5000	1.336,799						7,9485	1.336,500	-0,299
8+700,000	-7,5979	1.336,634	-0,065					-7,5000	1.336,699	-6,0000	1.336,774	-3,5000	1.336,899	-2,00	1.336,747	1.336,969	-0,222	3,5000	1.336,899	-2,00	6,0000	1.336,774	7,5000	1.336,699						7,9720	1.336,384	-0,315



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO														
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
8+720,000	-7,6562	1.336,494	-0,104					-7,5000	1.336,598	-6,0000	1.336,673	-3,5000	1.336,798	-2,00	1.336,684	1.336,868	-0,184	3,5000	1.336,798	-2,00	6,0000	1.336,673	7,5000	1.336,598						7,8520	1.336,363	-0,235
8+740,000	-7,5050	1.336,494	-0,003					-7,5000	1.336,497	-6,0000	1.336,572	-3,5000	1.336,697	-2,00	1.336,502	1.336,767	-0,265	3,5000	1.336,697	-2,00	6,0000	1.336,572	7,5000	1.336,497						7,8381	1.336,272	-0,225
8+760,000	-7,8396	1.336,171	-0,226					-7,5000	1.336,397	-6,0000	1.336,472	-3,5000	1.336,597	-2,00	1.336,341	1.336,667	-0,326	3,5000	1.336,597	-2,00	6,0000	1.336,472	7,5000	1.336,397						7,9842	1.336,074	-0,323
8+780,000	-7,6172	1.336,218	-0,078					-7,5000	1.336,296	-6,0000	1.336,371	-3,5000	1.336,496	-2,00	1.336,279	1.336,566	-0,287	3,5000	1.336,496	-2,00	6,0000	1.336,371	7,5000	1.336,296						7,8235	1.336,080	-0,216
8+800,000	-7,8695	1.335,950	-0,246					-7,5000	1.336,196	-6,0000	1.336,271	-3,5000	1.336,396	-2,00	1.336,150	1.336,466	-0,316	3,5000	1.336,396	-2,00	6,0000	1.336,271	7,5000	1.336,196						8,2110	1.335,722	-0,474
8+820,000	-7,8896	1.335,835	-0,260					-7,5000	1.336,095	-6,0000	1.336,170	-3,5000	1.336,295	-2,00	1.336,067	1.336,365	-0,298	3,5000	1.336,295	-2,00	6,0000	1.336,170	7,5000	1.336,095						7,8720	1.335,847	-0,248
8+840,000	-7,8800	1.335,742	-0,253					-7,5000	1.335,995	-6,0000	1.336,070	-3,5000	1.336,195	-2,00	1.335,947	1.336,265	-0,318	3,5000	1.336,195	-2,00	6,0000	1.336,070	7,5000	1.335,995						7,9017	1.335,727	-0,268
8+860,000	-7,8458	1.335,663	-0,231					-7,5000	1.335,894	-6,0000	1.335,969	-3,5000	1.336,094	-2,00	1.335,845	1.336,164	-0,319	3,5000	1.336,094	-2,00	6,0000	1.335,969	7,5000	1.335,894						8,0373	1.335,536	-0,358
8+880,000	-7,8052	1.335,591	-0,203					-7,5000	1.335,794	-6,0000	1.335,869	-3,5000	1.335,994	-2,00	1.335,786	1.336,064	-0,278	3,5000	1.335,994	-2,00	6,0000	1.335,869	7,5000	1.335,794						8,1223	1.335,379	-0,415
8+900,000	-7,8993	1.335,427	-0,266					-7,5000	1.335,693	-6,0000	1.335,768	-3,5000	1.335,893	-2,00	1.335,664	1.335,963	-0,299	3,5000	1.335,893	-2,00	6,0000	1.335,768	7,5000	1.335,693						8,2899	1.335,166	-0,527
8+920,000	-7,9486	1.335,293	-0,299					-7,5000	1.335,592	-6,0000	1.335,667	-3,5000	1.335,792	-2,00	1.335,566	1.335,862	-0,296	3,5000	1.335,792	-2,00	6,0000	1.335,667	7,5000	1.335,592						8,4255	1.334,975	-0,617
8+940,000	-8,0780	1.335,107	-0,385					-7,5000	1.335,492	-6,0000	1.335,567	-3,5000	1.335,692	-2,00	1.335,527	1.335,762	-0,235	3,5000	1.335,692	-2,00	6,0000	1.335,567	7,5000	1.335,492						8,5041	1.334,823	-0,669
8+960,000	-8,0023	1.335,044	-0,335					-7,5000	1.335,379	-6,0000	1.335,454	-3,5000	1.335,579	-2,00	1.335,374	1.335,649	-0,275	3,5000	1.335,579	-2,00	6,0000	1.335,454	7,5000	1.335,379						8,5167	1.334,701	-0,678
8+980,000	-7,9701	1.334,928	-0,313					-7,5000	1.335,241	-6,0000	1.335,316	-3,5000	1.335,441	-2,00	1.335,187	1.335,511	-0,324	3,5000	1.335,441	-2,00	6,0000	1.335,316	7,5000	1.335,241						8,6638	1.334,465	-0,776
9	-8,1434	1.334,648	-0,429					-7,5000	1.335,077	-6,0000	1.335,152	-3,5000	1.335,277	-2,00	1.334,981	1.335,347	-0,366	3,5000	1.335,277	-2,00	6,0000	1.335,152	7,5000	1.335,077						8,6042	1.334,341	-0,736
9+20,000	-8,1234	1.334,473	-0,416					-7,5000	1.334,889	-6,0000	1.334,964	-3,5000	1.335,089	-2,00	1.334,779	1.335,159	-0,380	3,5000	1.335,089	-2,00	6,0000	1.334,964	7,5000	1.334,889						8,6428	1.334,127	-0,762
9+40,000	-8,1604	1.334,235	-0,440					-7,5000	1.334,675	-6,0000	1.334,750	-3,5000	1.334,875	-2,00	1.334,590	1.334,945	-0,355	3,5000	1.334,875	-2,00	6,0000	1.334,750	7,5000	1.334,675						8,6756	1.333,891	-0,784
9+60,000	-8,2450	1.333,940	-0,497					-7,5000	1.334,437	-6,0000	1.334,512	-3,5000	1.334,637	-2,00	1.334,331	1.334,707	-0,376	3,5000	1.334,637	-2,00	6,0000	1.334,512	7,5000	1.334,437						8,7380	1.333,612	-0,825
9+80,000	-8,2500	1.333,673	-0,500					-7,5000	1.334,173	-6,0000	1.334,248	-3,5000	1.334,373	-2,00	1.334,025	1.334,443	-0,418	3,5000	1.334,373	-2,00	6,0000	1.334,248	7,5000	1.334,173						8,5901	1.333,446	-0,727
9+100,000	-8,1185	1.333,472	-0,412					-7,5000	1.333,884	-6,0000	1.333,959	-3,5000	1.334,084	-2,00	1.333,735	1.334,154	-0,419	3,5000	1.334,084	-2,00	6,0000	1.333,959	7,5000	1.333,884						8,4398	1.333,257	-0,627
9+120,000	-7,9188	1.333,292	-0,279					-7,5000	1.333,571	-6,0000	1.333,646	-3,5000	1.333,771	-2,00	1.333,437	1.333,841	-0,404	3,5000	1.333,771	-2,00	6,0000	1.333,646	7,5000	1.333,571						8,2351	1.333,081	-0,490
9+140,000	-8,1258	1.332,815	-0,417					-7,5000	1.333,232	-6,0000	1.333,307	-3,5000	1.333,432	-2,00	1.333,127	1.333,502	-0,375	3,5000	1.333,432	-2,00	6,0000	1.333,307	7,5000	1.333,232						8,7175	1.332,420	-0,812
9+160,000	-8,0202	1.332,521	-0,347					-7,5000	1.332,868	-6,0000	1.332,943	-3,5000	1.333,068	-2,00	1.332,749	1.333,138	-0,389	3,5000	1.333,068	-2,00	6,0000	1.332,943	7,5000	1.332,868						8,5339	1.332,179	-0,689
9+180,000	-8,3408	1.331,917	-0,561					-7,5000	1.332,478	-6,0000	1.332,553	-3,5000	1.332,678	-2,00	1.332,299	1.332,748	-0,449	3,5000	1.332,678	-2,00	6,0000	1.332,553	7,5000	1.332,478						8,5216	1.331,797	-0,681
9+200,000	-7,8225	1.331,849	-0,215					-7,5000	1.332,064	-6,0000	1.332,139	-3,5000	1.332,264	-2,00	1.331,974	1.332,334	-0,360	3,5000	1.332,264	-2,00	6,0000	1.332,139	7,5000	1.332,064						8,5708	1.331,350	-0,714
9+220,000	-7,9534	1.331,323	-0,302					-7,5000	1.331,625	-6,0000	1.331,700	-3,5000	1.331,825	-2,00	1.331,594	1.331,895	-0,301	3,5000	1.331,825	-2,00	6,0000	1.331,700	7,5000	1.331,625						8,6000	1.330,892	-0,733
9+240,000	-8,0375	1.330,815	-0,358					-7,5000	1.331,173	-6,0000	1.331,248	-3,5000	1.331,373	-2,00	1.331,146	1.331,443	-0,297	3,5000	1.331,373	-2,00	6,0000	1.331,248	7,5000	1.331,173						9,0233	1.330,157	-1,016
9+260,000	-7,7394	1.330,561	-0,160					-7,5000	1.330,721	-6,0000	1.330,796	-3,5000	1.330,921	-2,00	1.330,688	1.330,991	-0,303	3,5000	1.330,921	-2,00	6,0000	1.330,796	7,5000	1.330,721						8,6821	1.329,933	-0,788
9+280,000	-7,6839	1.330,146	-0,123					-7,5000	1.330,269	-6,0000	1.330,344	-3,5000	1.330,469	-2,00	1.330,267	1.330,539	-0,272	3,5000	1.330,469	-2,00	6,0000	1.330,344	7,5000	1.330,269						8,3403	1.329,709	-0,560
9+300,000	-7,6347	1.329,727	-0,090					-7,5000	1.329,817	-6,0000	1.329,892	-3,5000	1.330,017	-2,00	1.329,876	1.330,087	-0,211	3,5000	1.330,017	-2,00	6,0000	1.329,892	7,5000	1.329,817						8,0270	1.329,466	-0,351
9+320,000	-7,5971	1.329,301	-0,065					-7,5000	1.329,366	-6,0000	1.329,441	-3,5000	1.329,566	-2,00	1.329,522	1.329,636	-0,114	3,5000	1.329,566	-2,00	6,0000	1.329,441	7,5000	1.329,366						7,9716	1.329,052	-0,314



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA

DF-220-NS-R01



ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO													
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET		
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT	
9+340,000	-7,5364	1.328,890	-0,024					-7,5000	1.328,914	-6,0000	1.328,989	-3,5000	1.329,114	-2,00	1.328,928	1.329,184	-0,256	3,5000	1.329,114	-2,00	6,0000	1.328,989	7,5000	1.328,914					8,2435	1.328,418	-0,496
9+360,000	-7,5613	1.328,421	-0,041					-7,5000	1.328,462	-6,0000	1.328,537	-3,5000	1.328,662	-2,00	1.328,544	1.328,732	-0,188	3,5000	1.328,662	-2,00	6,0000	1.328,537	7,5000	1.328,462					8,0851	1.328,072	-0,390
9+380,000	-7,5504	1.327,976	-0,034					-7,5000	1.328,010	-6,0000	1.328,085	-3,5000	1.328,210	-2,00	1.328,028	1.328,280	-0,252	3,5000	1.328,210	-2,00	6,0000	1.328,085	7,5000	1.328,010					7,9398	1.327,717	-0,293
9+400,000	-7,5405	1.327,531	-0,027					-7,5000	1.327,558	-6,0000	1.327,633	-3,5000	1.327,758	-2,00	1.327,607	1.327,828	-0,221	3,5000	1.327,758	-2,00	6,0000	1.327,633	7,5000	1.327,558					7,9159	1.327,281	-0,277
9+420,000	-7,5360	1.327,082	-0,024					-7,5000	1.327,106	-6,0000	1.327,181	-3,5000	1.327,306	-2,00	1.327,166	1.327,376	-0,210	3,5000	1.327,306	-2,00	6,0000	1.327,181	7,5000	1.327,106					8,0527	1.326,738	-0,368
9+440,000	-7,9461	1.326,800	0,446					-7,5000	1.326,354	-6,0000	1.326,729	-3,5000	1.326,854	-2,00	1.326,720	1.326,924	-0,204	3,5000	1.326,854	-2,00	6,0000	1.326,729	7,5000	1.326,654					7,9725	1.326,339	-0,315
9+460,000	-7,8899	1.326,292	0,390					-7,5000	1.325,902	-6,0000	1.326,277	-3,5000	1.326,402	-2,00	1.326,319	1.326,472	-0,153	3,5000	1.326,402	-2,00	6,0000	1.326,277	7,5000	1.326,202					7,8711	1.325,955	-0,247
9+480,000	-7,7651	1.325,716	0,265					-7,5000	1.325,451	-6,0000	1.325,826	-3,5000	1.325,951	-2,00	1.325,848	1.326,021	-0,173	3,5000	1.325,951	-2,00	6,0000	1.325,826	7,5000	1.325,751					7,8150	1.325,541	-0,210
9+500,000	-7,8309	1.325,330	0,331					-7,5000	1.324,999	-6,0000	1.325,374	-3,5000	1.325,499	-2,00	1.325,349	1.325,569	-0,220	3,5000	1.325,499	-2,00	6,0000	1.325,374	7,5000	1.325,299					7,8126	1.325,091	-0,208
9+520,000	-7,9146	1.324,962	0,415					-7,5000	1.324,547	-6,0000	1.324,922	-3,5000	1.325,047	-2,00	1.324,885	1.325,117	-0,232	3,5000	1.325,047	-2,00	6,0000	1.324,922	7,5000	1.324,847					7,8561	1.324,610	-0,237
9+540,000	-7,9739	1.324,569	0,474					-7,5000	1.324,095	-6,0000	1.324,470	-3,5000	1.324,595	-2,00	1.324,398	1.324,665	-0,267	3,5000	1.324,595	-2,00	6,0000	1.324,470	7,5000	1.324,395					7,9639	1.324,086	-0,309
9+560,000	-8,1037	1.324,247	0,604					-7,5000	1.323,643	-6,0000	1.324,018	-3,5000	1.324,143	-2,00	1.323,798	1.324,213	-0,415	3,5000	1.324,143	-2,00	6,0000	1.324,018	7,5000	1.323,943					7,7508	1.323,776	-0,167
9+580,000	-8,1227	1.323,814	0,623					-7,5000	1.323,191	-6,0000	1.323,566	-3,5000	1.323,691	-2,00	1.323,455	1.323,761	-0,306	3,5000	1.323,691	-2,00	6,0000	1.323,566	7,5000	1.323,491					7,6733	1.323,375	-0,116
9+600,000	-8,0521	1.323,291	0,552					-7,5000	1.322,739	-6,0000	1.323,114	-3,5000	1.323,239	-2,00	1.323,038	1.323,309	-0,271	3,5000	1.323,239	-2,00	6,0000	1.323,114	7,5000	1.323,039					7,5313	1.323,018	-0,021
9+620,000	-7,9516	1.322,739	0,452					-7,5000	1.322,287	-6,0000	1.322,662	-3,5000	1.322,787	-2,00	1.322,607	1.322,857	-0,250	3,5000	1.322,787	-2,00	6,0000	1.322,662	7,5000	1.322,587					7,5172	1.322,576	-0,011
9+640,000	-8,0267	1.322,363	0,527					-7,5000	1.321,836	-6,0000	1.322,211	-3,5000	1.322,336	-2,00	1.322,166	1.322,406	-0,240	3,5000	1.322,336	-2,00	6,0000	1.322,211	7,5000	1.322,136					7,5554	1.322,099	-0,037
9+660,000	-8,1118	1.321,996	0,612					-7,5000	1.321,384	-6,0000	1.321,759	-3,5000	1.321,884	-2,00	1.321,668	1.321,954	-0,286	3,5000	1.321,884	-2,00	6,0000	1.321,759	7,5000	1.321,684					7,5671	1.321,639	-0,045
9+680,000	-8,1447	1.321,577	0,645					-7,5000	1.320,932	-6,0000	1.321,307	-3,5000	1.321,432	-2,00	1.321,217	1.321,502	-0,285	3,5000	1.321,432	-2,00	6,0000	1.321,307	7,5000	1.321,232					7,6968	1.321,101	-0,131
9+700,000	-8,2077	1.321,188	0,708					-7,5000	1.320,480	-6,0000	1.320,855	-3,5000	1.320,980	-2,00	1.320,795	1.321,050	-0,255	3,5000	1.320,980	-2,00	6,0000	1.320,855	7,5000	1.320,780					7,9144	1.320,504	-0,276
9+720,000	-8,0201	1.320,548	0,520					-7,5000	1.320,028	-6,0000	1.320,403	-3,5000	1.320,528	-2,00	1.320,334	1.320,598	-0,264	3,5000	1.320,528	-2,00	6,0000	1.320,403	7,5000	1.320,328					7,5351	1.320,305	-0,023
9+740,000	-8,1069	1.320,183	0,607					-7,5000	1.319,576	-6,0000	1.319,951	-3,5000	1.320,076	-2,00	1.319,854	1.320,146	-0,292	3,5000	1.320,076	-2,00	6,0000	1.319,951	7,5000	1.319,876					7,7532	1.320,129	0,253
9+760,000	-8,1281	1.319,752	0,628					-7,5000	1.319,124	-6,0000	1.319,499	-3,5000	1.319,624	-2,00	1.319,423	1.319,694	-0,271	3,5000	1.319,624	-2,00	6,0000	1.319,499	7,5000	1.319,424					7,6733	1.319,597	0,173
9+780,000	-8,1471	1.319,319	0,647					-7,5000	1.318,672	-6,0000	1.319,047	-3,5000	1.319,172	-2,00	1.319,064	1.319,242	-0,178	3,5000	1.319,172	-2,00	6,0000	1.319,047	7,5000	1.318,972					7,5201	1.318,992	0,020
9+800,000	-8,0043	1.318,725	0,504					-7,5000	1.318,221	-6,0000	1.318,596	-3,5000	1.318,721	-2,00	1.318,571	1.318,791	-0,220	3,5000	1.318,721	-2,00	6,0000	1.318,596	7,5000	1.318,521					7,5735	1.318,472	-0,049
9+820,000	-7,9146	1.318,184	0,415					-7,5000	1.317,769	-6,0000	1.318,144	-3,5000	1.318,269	-2,00	1.318,143	1.318,339	-0,196	3,5000	1.318,269	-2,00	6,0000	1.318,144	7,5000	1.318,069					7,5051	1.318,074	0,005
9+840,000	-7,8622	1.317,679	0,362					-7,5000	1.317,317	-6,0000	1.317,692	-3,5000	1.317,817	-2,00	1.317,657	1.317,887	-0,230	3,5000	1.317,817	-2,00	6,0000	1.317,692	7,5000	1.317,617					7,5258	1.317,600	-0,017
9+860,000	-7,9895	1.317,355	0,490					-7,5000	1.316,865	-6,0000	1.317,240	-3,5000	1.317,365	-2,00	1.317,198	1.317,435	-0,237	3,5000	1.317,365	-2,00	6,0000	1.317,240	7,5000	1.317,165					7,5199	1.317,152	-0,013
9+880,000	-8,0174	1.316,930	0,517					-7,5000	1.316,413	-6,0000	1.316,788	-3,5000	1.316,913	-2,00	1.316,778	1.316,983	-0,205	3,5000	1.316,913	-2,00	6,0000	1.316,788	7,5000	1.316,713					7,5802	1.316,660	-0,053
9+900,000	-8,0283	1.316,489	0,528					-7,5000	1.315,961	-6,0000	1.316,336	-3,5000	1.316,461	-2,00	1.316,340	1.316,531	-0,191	3,5000	1.316,461	-2,00	6,0000	1.316,336	7,5000	1.316,261					7,9162	1.315,984	-0,277
9+920,000	-8,0378	1.316,047	0,538					-7,5000	1.315,509	-6,0000	1.315,884	-3,5000	1.316,009	-2,00	1.315,852	1.316,079	-0,227	3,5000	1.316,009	-2,00	6,0000	1.315,884	7,5000	1.315,809					8,0360	1.315,452	-0,357
9+940,000	-8,0032	1.315,561	0,503					-7,5000	1.315,058	-6,0000	1.315,433	-3,5000	1.315,558	-2,00	1.315,382	1.315,628	-0,246	3,5000	1.315,558	-2,00	6,0000	1.315,433	7,5000	1.315,358					7,9417	1.315,064	-0,294



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO														
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
9+960,000	-7,9285	1.315,035	0,429					-7,5000	1.314,606	-6,0000	1.314,981	-3,5000	1.315,106	-2,00	1.314,908	1.315,176	-0,268	3,5000	1.315,106	-2,00	6,0000	1.314,981	7,5000	1.314,906						7,7073	1.314,768	-0,138
9+980,000	-7,8883	1.314,542	0,388					-7,5000	1.314,154	-6,0000	1.314,529	-3,5000	1.314,654	-2,00	1.314,504	1.314,724	-0,220	3,5000	1.314,654	-2,00	6,0000	1.314,529	7,5000	1.314,454						7,6435	1.314,358	-0,096
10	-7,9388	1.314,141	0,439					-7,5000	1.313,702	-6,0000	1.314,077	-3,5000	1.314,202	-2,00	1.314,080	1.314,272	-0,192	3,5000	1.314,202	-2,00	6,0000	1.314,077	7,5000	1.314,002						7,5966	1.313,938	-0,064
10+20,000	-7,8966	1.313,647	0,397					-7,5000	1.313,250	-6,0000	1.313,625	-3,5000	1.313,750	-2,00	1.313,649	1.313,820	-0,171	3,5000	1.313,750	-2,00	6,0000	1.313,625	7,5000	1.313,550						7,5139	1.313,564	0,014
10+40,000	-7,9551	1.313,253	0,455					-7,5000	1.312,798	-6,0000	1.313,173	-3,5000	1.313,298	-2,00	1.313,200	1.313,368	-0,168	3,5000	1.313,298	-2,00	6,0000	1.313,173	7,5000	1.313,098						7,8555	1.312,861	-0,237
10+60,000	-8,0377	1.312,884	0,538					-7,5000	1.312,346	-6,0000	1.312,721	-3,5000	1.312,846	-2,00	1.312,740	1.312,916	-0,176	3,5000	1.312,846	-2,00	6,0000	1.312,721	7,5000	1.312,646						7,8172	1.312,435	-0,211
10+80,000	-8,1597	1.312,554	0,660					-7,5000	1.311,894	-6,0000	1.312,269	-3,5000	1.312,394	-2,00	1.312,299	1.312,464	-0,165	3,5000	1.312,394	-2,00	6,0000	1.312,269	7,5000	1.312,194						7,9064	1.311,923	-0,271
10+100,000	-8,0027	1.311,946	0,503					-7,5000	1.311,443	-6,0000	1.311,818	-3,5000	1.311,943	-2,00	1.311,859	1.312,013	-0,154	3,5000	1.311,943	-2,00	6,0000	1.311,818	7,5000	1.311,743						7,8960	1.311,479	-0,264
10+120,000	-8,1038	1.311,595	0,604					-7,5000	1.310,991	-6,0000	1.311,366	-3,5000	1.311,491	-2,00	1.311,384	1.311,561	-0,177	3,5000	1.311,491	-2,00	6,0000	1.311,366	7,5000	1.311,291						7,8357	1.311,067	-0,224
10+140,000	-7,6320	1.310,671	0,132					-7,5000	1.310,539	-6,0000	1.310,914	-3,5000	1.311,039	-2,00	1.311,034	1.311,109	-0,075	3,5000	1.311,039	-2,00	6,0000	1.310,914	7,5000	1.310,839						8,0483	1.310,473	-0,366
10+160,000	-8,1748	1.310,762	0,675					-7,5000	1.310,087	-6,0000	1.310,462	-3,5000	1.310,587	-2,00	1.310,522	1.310,657	-0,135	3,5000	1.310,587	-2,00	6,0000	1.310,462	7,5000	1.310,387						8,1838	1.309,931	-0,456
10+180,000	-7,9898	1.310,125	0,490					-7,5000	1.309,635	-6,0000	1.310,010	-3,5000	1.310,135	-2,00	1.310,073	1.310,205	-0,132	3,5000	1.310,135	-2,00	6,0000	1.310,010	7,5000	1.309,935						8,2455	1.309,438	-0,497
10+200,000	-7,9046	1.309,588	0,405					-7,5000	1.309,183	-6,0000	1.309,558	-3,5000	1.309,683	-2,00	1.309,626	1.309,753	-0,127	3,5000	1.309,683	-2,00	6,0000	1.309,558	7,5000	1.309,483						8,0797	1.309,097	-0,386
10+220,000	-7,8933	1.309,124	0,393					-7,5000	1.308,731	-6,0000	1.309,106	-3,5000	1.309,231	-2,00	1.309,169	1.309,301	-0,132	3,5000	1.309,231	-2,00	6,0000	1.309,106	7,5000	1.309,031						8,0131	1.308,689	-0,342
10+240,000	-7,8533	1.308,632	0,353					-7,5000	1.308,279	-6,0000	1.308,654	-3,5000	1.308,779	-2,00	1.308,700	1.308,849	-0,149	3,5000	1.308,779	-2,00	6,0000	1.308,654	7,5000	1.308,579						7,8414	1.308,351	-0,228
10+260,000	-7,8693	1.308,197	0,369					-7,5000	1.307,828	-6,0000	1.308,203	-3,5000	1.308,328	-2,00	1.308,286	1.308,398	-0,112	3,5000	1.308,328	-2,00	6,0000	1.308,203	7,5000	1.308,128						8,0113	1.307,787	-0,341
10+280,000	-7,9672	1.307,843	0,467					-7,5000	1.307,376	-6,0000	1.307,751	-3,5000	1.307,876	-2,00	1.307,825	1.307,946	-0,121	3,5000	1.307,876	-2,00	6,0000	1.307,751	7,5000	1.307,676						8,0487	1.307,310	-0,366
10+300,000	-7,9279	1.307,352	0,428					-7,5000	1.306,924	-6,0000	1.307,299	-3,5000	1.307,424	-2,00	1.307,369	1.307,494	-0,125	3,5000	1.307,424	-2,00	6,0000	1.307,299	7,5000	1.307,224						7,9717	1.306,910	-0,314
10+320,000	-7,9250	1.306,897	0,425					-7,5000	1.306,472	-6,0000	1.306,847	-3,5000	1.306,972	-2,00	1.306,900	1.307,042	-0,142	3,5000	1.306,972	-2,00	6,0000	1.306,847	7,5000	1.306,772						8,0602	1.306,399	-0,373
10+340,000	-7,9911	1.306,511	0,491					-7,5000	1.306,020	-6,0000	1.306,395	-3,5000	1.306,520	-2,00	1.306,498	1.306,590	-0,092	3,5000	1.306,520	-2,00	6,0000	1.306,395	7,5000	1.306,320						7,9943	1.305,990	-0,330
10+360,000	-8,0331	1.306,101	0,533					-7,5000	1.305,568	-6,0000	1.305,943	-3,5000	1.306,068	-2,00	1.306,082	1.306,138	-0,056	3,5000	1.306,068	-2,00	6,0000	1.305,943	7,5000	1.305,868						7,7249	1.305,718	-0,150
10+380,000	-8,0659	1.305,682	0,566					-7,5000	1.305,116	-6,0000	1.305,491	-3,5000	1.305,616	-2,00	1.305,658	1.305,686	-0,028	3,5000	1.305,616	-2,00	6,0000	1.305,491	7,5000	1.305,416						7,5246	1.305,441	0,025
10+400,000	-7,9731	1.305,137	0,473					-7,5000	1.304,664	-6,0000	1.305,039	-3,5000	1.305,164	-2,00	1.305,231	1.305,234	-0,003	3,5000	1.305,164	-2,00	6,0000	1.305,039	7,5000	1.304,964						7,6705	1.305,135	0,171
10+420,000	-8,1260	1.304,839	0,626					-7,5000	1.304,213	-6,0000	1.304,588	-3,5000	1.304,713	-2,00	1.304,795	1.304,783	0,012	3,5000	1.304,713	-2,00	6,0000	1.304,588	7,5000	1.304,513						7,7922	1.304,318	-0,195
10+440,000	-8,0729	1.304,334	0,573					-7,5000	1.303,761	-6,0000	1.304,136	-3,5000	1.304,261	-2,00	1.304,296	1.304,331	-0,035	3,5000	1.304,261	-2,00	6,0000	1.304,136	7,5000	1.304,061						7,6917	1.303,933	-0,128
10+460,000	-8,0648	1.303,874	0,565					-7,5000	1.303,309	-6,0000	1.303,684	-3,5000	1.303,809	-2,00	1.303,803	1.303,879	-0,076	3,5000	1.303,809	-2,00	6,0000	1.303,684	7,5000	1.303,609						7,6510	1.303,508	-0,101
10+480,000	-8,0974	1.303,454	0,597					-7,5000	1.302,857	-6,0000	1.303,232	-3,5000	1.303,357	-2,00	1.303,334	1.303,427	-0,093	3,5000	1.303,357	-2,00	6,0000	1.303,232	7,5000	1.303,157						7,7684	1.302,978	-0,179
10+500,000	-7,9371	1.302,842	0,437					-7,5000	1.302,405	-6,0000	1.302,780	-3,5000	1.302,905	-2,00	1.302,874	1.302,975	-0,101	3,5000	1.302,905	-2,00	6,0000	1.302,780	7,5000	1.302,705						7,9969	1.302,374	-0,331
10+520,000	-7,9267	1.302,380	0,427					-7,5000	1.301,953	-6,0000	1.302,328	-3,5000	1.302,453	-2,00	1.302,424	1.302,523	-0,099	3,5000	1.302,453	-2,00	6,0000	1.302,328	7,5000	1.302,253						7,6859	1.302,129	-0,124
10+540,000	-7,8205	1.301,822	0,321					-7,5000	1.301,501	-6,0000	1.301,876	-3,5000	1.302,001	-2,00	1.301,945	1.302,071	-0,126	3,5000	1.302,001	-2,00	6,0000	1.301,876	7,5000	1.301,801						7,7543	1.301,631	-0,170
10+560,000	-7,8211	1.301,370	0,321					-7,5000	1.301,049	-6,0000	1.301,424	-3,5000	1.301,549	-2,00	1.301,473	1.301,619	-0,146	3,5000	1.301,549	-2,00	6,0000	1.301,424	7,5000	1.301,349						7,7910	1.301,155	-0,194



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO															EIXO			LADO DIREITO														
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET				
	DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
10+580,000	-7,9747	1.301,073	0,475					-7,5000	1.300,598	-6,0000	1.300,973	-3,5000	1.301,098	-2,00	1.301,031	1.301,168	-0,137	3,5000	1.301,098	-2,00	6,0000	1.300,973	7,5000	1.300,898							7,7989	1.300,699	-0,199
10+600,000	-7,9468	1.300,593	0,447					-7,5000	1.300,146	-6,0000	1.300,521	-3,5000	1.300,646	-2,00	1.300,615	1.300,716	-0,101	3,5000	1.300,646	-2,00	6,0000	1.300,521	7,5000	1.300,446							7,8684	1.300,200	-0,246
10+620,000	-7,8919	1.300,086	0,392					-7,5000	1.299,694	-6,0000	1.300,069	-3,5000	1.300,194	-2,00	1.300,154	1.300,264	-0,110	3,5000	1.300,194	-2,00	6,0000	1.300,069	7,5000	1.299,994							8,0093	1.299,654	-0,340
10+640,000	-8,0535	1.299,796	0,554					-7,5000	1.299,242	-6,0000	1.299,617	-3,5000	1.299,742	-2,00	1.299,711	1.299,812	-0,101	3,5000	1.299,742	-2,00	6,0000	1.299,617	7,5000	1.299,542							7,9091	1.299,269	-0,273
10+660,000	-8,0022	1.299,292	0,502					-7,5000	1.298,790	-6,0000	1.299,165	-3,5000	1.299,290	-2,00	1.299,301	1.299,360	-0,059	3,5000	1.299,290	-2,00	6,0000	1.299,165	7,5000	1.299,090							7,9817	1.298,769	-0,321
10+680,000	-7,9176	1.298,756	0,418					-7,5000	1.298,338	-6,0000	1.298,713	-3,5000	1.298,838	-2,00	1.298,868	1.298,908	-0,040	3,5000	1.298,838	-2,00	6,0000	1.298,713	7,5000	1.298,638							7,9414	1.298,344	-0,294
10+700,000	-8,0282	1.298,414	0,528					-7,5000	1.297,886	-6,0000	1.298,261	-3,5000	1.298,386	-2,00	1.298,384	1.298,456	-0,072	3,5000	1.298,386	-2,00	6,0000	1.298,261	7,5000	1.298,186							7,5217	1.298,172	-0,014
10+720,000	-8,0020	1.297,936	0,502					-7,5000	1.297,434	-6,0000	1.297,809	-3,5000	1.297,934	-2,00	1.297,945	1.298,004	-0,059	3,5000	1.297,934	-2,00	6,0000	1.297,809	7,5000	1.297,734							7,7114	1.297,945	0,211
10+740,000	-7,8892	1.297,372	0,389					-7,5000	1.296,983	-6,0000	1.297,358	-3,5000	1.297,483	-2,00	1.297,460	1.297,553	-0,093	3,5000	1.297,483	-2,00	6,0000	1.297,358	7,5000	1.297,283							7,6420	1.297,188	-0,095
10+760,000	-7,9721	1.297,003	0,472					-7,5000	1.296,531	-6,0000	1.296,906	-3,5000	1.297,031	-2,00	1.297,021	1.297,101	-0,080	3,5000	1.297,031	-2,00	6,0000	1.296,906	7,5000	1.296,831							7,6557	1.296,727	-0,104
10+780,000	-8,0222	1.296,601	0,522					-7,5000	1.296,079	-6,0000	1.296,454	-3,5000	1.296,579	-2,00	1.296,579	1.296,649	-0,070	3,5000	1.296,579	-2,00	6,0000	1.296,454	7,5000	1.296,379							7,9464	1.296,081	-0,298
10+800,000	-8,1167	1.296,244	0,617					-7,5000	1.295,627	-6,0000	1.296,002	-3,5000	1.296,127	-2,00	1.296,144	1.296,197	-0,053	3,5000	1.296,127	-2,00	6,0000	1.296,002	7,5000	1.295,927							8,0796	1.295,541	-0,386
10+820,000	-8,1215	1.295,796	0,621					-7,5000	1.295,175	-6,0000	1.295,550	-3,5000	1.295,675	-2,00	1.295,697	1.295,745	-0,048	3,5000	1.295,675	-2,00	6,0000	1.295,550	7,5000	1.295,475							8,0295	1.295,122	-0,353
10+840,000	-8,0083	1.295,231	0,508					-7,5000	1.294,723	-6,0000	1.295,098	-3,5000	1.295,223	-2,00	1.295,232	1.295,293	-0,061	3,5000	1.295,223	-2,00	6,0000	1.295,098	7,5000	1.295,023							7,9699	1.294,710	-0,313
10+860,000	-7,9301	1.294,701	0,430					-7,5000	1.294,271	-6,0000	1.294,646	-3,5000	1.294,771	-2,00	1.294,804	1.294,841	-0,037	3,5000	1.294,771	-2,00	6,0000	1.294,646	7,5000	1.294,571							8,0403	1.294,211	-0,360
10+880,000	-7,7995	1.294,119	0,299					-7,5000	1.293,820	-6,0000	1.294,195	-3,5000	1.294,320	-2,00	1.294,170	1.294,390	-0,220	3,5000	1.294,320	-2,00	6,0000	1.294,195	7,5000	1.294,120							8,3436	1.293,558	-0,562
10+900,000	-7,9805	1.293,848	0,480					-7,5000	1.293,368	-6,0000	1.293,743	-3,5000	1.293,868	-2,00	1.293,737	1.293,938	-0,201	3,5000	1.293,868	-2,00	6,0000	1.293,743	7,5000	1.293,668							8,2803	1.293,148	-0,520
10+920,000	-7,9164	1.293,332	0,416					-7,5000	1.292,916	-6,0000	1.293,291	-3,5000	1.293,416	-2,00	1.293,273	1.293,486	-0,213	3,5000	1.293,416	-2,00	6,0000	1.293,291	7,5000	1.293,216							8,2294	1.292,730	-0,486
10+940,000	-8,0250	1.292,989	0,525					-7,5000	1.292,464	-6,0000	1.292,839	-3,5000	1.292,964	-2,00	1.292,933	1.293,034	-0,101	3,5000	1.292,964	-2,00	6,0000	1.292,839	7,5000	1.292,764							7,8939	1.292,501	-0,263
10+960,000	-8,2198	1.292,732	0,720					-7,5000	1.292,012	-6,0000	1.292,387	-3,5000	1.292,512	-2,00	1.292,571	1.292,582	-0,011	3,5000	1.292,512	-2,00	6,0000	1.292,387	7,5000	1.292,312							7,7147	1.292,169	-0,143
10+980,000	-8,0250	1.292,085	0,525					-7,5000	1.291,560	-6,0000	1.291,935	-3,5000	1.292,060	-2,00	1.292,119	1.292,130	-0,011	3,5000	1.292,060	-2,00	6,0000	1.291,935	7,5000	1.291,860							7,5694	1.291,814	-0,046
10+994,136	-7,8338	1.291,650	0,334					-7,5000	1.291,316	-6,0000	1.291,691	-3,5000	1.291,741	-2,00	1.291,827	1.291,811	0,016	3,5000	1.291,741	-2,00			7,5000	1.291,241							7,8338	1.291,575	0,334
11	-7,8872	1.291,570	0,387					-7,5000	1.291,183	-6,0000	1.291,558	-3,5000	1.291,608	-2,00	1.291,690	1.291,678	0,012	3,5000	1.291,608	-2,00			7,5000	1.291,108							7,8331	1.291,441	0,333
11+20,000	-8,0516	1.291,283	0,552					-7,5000	1.290,731	-6,0000	1.291,106	-3,5000	1.291,156	-2,00	1.291,188	1.291,226	-0,038	3,5000	1.291,156	-2,00			7,5000	1.290,656							7,6616	1.290,818	0,162
11+31,636	-8,0660	1.291,035	0,566					-7,5000	1.290,469	-6,0000	1.290,844	-3,5000	1.290,894	-2,00	1.290,924	1.290,964	-0,040	3,5000	1.290,894	-2,00			7,5000	1.290,694							8,0701	1.290,314	-0,380
11+40,000	-8,7112	1.290,922	0,654					-8,0576	1.290,268	-6,5576	1.290,643	-3,5000	1.290,705	-2,00	1.290,734	1.290,775	-0,041	3,5000	1.290,705	-2,00			7,5000	1.290,505							8,3413	1.289,944	-0,561
11+49,482	-9,5217	1.290,874	0,832					-8,6897	1.290,042	-7,1897	1.290,417	-3,5000	1.290,490	-2,00	1.290,518	1.290,560	-0,042	3,5000	1.290,490	-2,00			7,5000	1.290,290							8,0273	1.289,938	-0,352
11+54,136	-9,8612	1.290,816	0,861					-9,0000	1.289,955	-7,5000	1.290,330	-3,5000	1.290,397	-1,66	1.290,414	1.290,455	-0,041	3,5000	1.290,385	-2,00	6,0000	1.290,260	7,5000	1.290,185							8,0502	1.289,818	-0,367
11+60,000	-9,8267	1.290,682	0,827					-9,0000	1.289,855	-7,5000	1.290,230	-3,5000	1.290,279	-1,24	1.290,284	1.290,323	-0,039	3,5000	1.290,253	-2,00	6,0000	1.290,128	7,5000	1.290,053							8,0809	1.289,666	-0,387
11+77,068	-9,4644	1.290,026	0,464					-9,0000	1.289,562	-7,5000	1.289,937	-3,5000	1.289,937	0,00	1.289,897	1.289,937	-0,040	3,5000	1.289,867	-2,00	6,0000	1.289,742	7,5000	1.289,667							8,0708	1.289,286	-0,381
11+80,000	-9,4201	1.289,932	0,420					-9,0000	1.289,512	-7,5000	1.289,887	-3,5000	1.289,878	0,21	1.289,826	1.289,871	-0,045	3,5000	1.289,801	-2,00	6,0000	1.289,676	7,5000	1.289,601							8,0642	1.289,225	-0,376



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA

DF-220-NS-R01



ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO														
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
11+84,136	-9,0588	1.289,800	0,059					-9,0000	1.289,741	-7,5000	1.289,816	-3,5000	1.289,795	0,51	1.289,727	1.289,777	-0,050	3,5000	1.289,707	-2,00	6,0000	1.289,582	7,5000	1.289,507						8,0534	1.289,138	-0,369
11+90,034	-9,0469	1.289,609	-0,031					-9,0000	1.289,640	-7,5000	1.289,715	-3,5000	1.289,677	0,94	1.289,584	1.289,644	-0,060	3,5000	1.289,574	-2,00	6,0000	1.289,449	7,5000	1.289,374						8,0396	1.289,014	-0,360
11+100,000	-9,1534	1.289,367	-0,102					-9,0000	1.289,469	-7,5000	1.289,544	-3,5000	1.289,477	1,66	1.289,341	1.289,419	-0,078	3,5000	1.289,349	-2,00	6,0000	1.289,224	7,5000	1.289,149						8,0198	1.288,802	-0,347
11+104,655	-9,0435	1.289,360	-0,029					-9,0000	1.289,389	-7,5000	1.289,464	-3,5000	1.289,384	2,00	1.289,231	1.289,314	-0,083	3,5000	1.289,244	-2,00	6,0000	1.289,119	7,5000	1.289,044						8,0182	1.288,699	-0,345
11+117,068	-9,0433	1.289,147	-0,029					-9,0000	1.289,176	-7,5000	1.289,251	-3,5000	1.289,135	2,90	1.288,979	1.289,033	-0,054	3,5000	1.288,932	-2,90	6,0000	1.288,807	7,5000	1.288,732						7,9675	1.288,420	-0,312
11+120,000	-9,1097	1.289,037	-0,073					-9,0000	1.289,110	-7,5000	1.289,185	-3,5000	1.289,069	2,90	1.288,918	1.288,967	-0,049	3,5000	1.288,866	-2,90	6,0000	1.288,741	7,5000	1.288,666						7,9712	1.288,352	-0,314
11+121,968	-9,1524	1.288,963	-0,102					-9,0000	1.289,065	-7,5000	1.289,140	-3,5000	1.289,024	2,90	1.288,874	1.288,923	-0,049	3,5000	1.288,821	-2,90	6,0000	1.288,696	7,5000	1.288,621						7,9723	1.288,306	-0,315
11+139,425	-7,7556	1.288,457	-0,170					-7,5000	1.288,627	-6,0000	1.288,702	-3,5000	1.288,630	2,90	1.288,479	1.288,528	-0,049	3,5000	1.288,427	-2,90			7,5000	1.288,227						8,0801	1.287,840	-0,387
11+140,000	-7,7531	1.288,445	-0,169					-7,5000	1.288,614	-6,0000	1.288,689	-3,5000	1.288,617	2,90	1.288,466	1.288,515	-0,049	3,5000	1.288,414	-2,90			7,5000	1.288,214						8,0839	1.287,825	-0,389
11+160,000	-7,6518	1.288,061	-0,101					-7,5000	1.288,162	-6,0000	1.288,237	-3,5000	1.288,165	2,90	1.287,977	1.288,063	-0,086	3,5000	1.287,962	-2,90			7,5000	1.287,762						8,1587	1.287,323	-0,439
11+180,000	-7,6368	1.287,619	-0,091					-7,5000	1.287,710	-6,0000	1.287,785	-3,5000	1.287,713	2,90	1.287,510	1.287,611	-0,101	3,5000	1.287,510	-2,90			7,5000	1.287,310						7,8059	1.287,106	-0,204
11+181,790	-7,6275	1.287,585	-0,085					-7,5000	1.287,670	-6,0000	1.287,745	-3,5000	1.287,673	2,90	1.287,470	1.287,571	-0,101	3,5000	1.287,470	-2,90			7,5000	1.287,270						7,8081	1.287,065	-0,205
11+200,000	-8,0882	1.287,374	0,588					-7,5000	1.286,786	-6,0000	1.287,161	-3,5000	1.287,261	2,90	1.287,052	1.287,160	-0,108	3,5000	1.287,058	-2,90	6,0000	1.286,933	7,5000	1.286,858						7,7614	1.286,684	-0,174
11+220,000	-8,1694	1.287,003	0,669					-7,5000	1.286,334	-6,0000	1.286,709	-3,5000	1.286,809	2,90	1.286,602	1.286,708	-0,106	3,5000	1.286,606	-2,90	6,0000	1.286,481	7,5000	1.286,406						7,5127	1.286,419	0,013
11+240,000	-8,1225	1.286,505	0,623					-7,5000	1.285,882	-6,0000	1.286,257	-3,5000	1.286,357	2,90	1.286,004	1.286,256	-0,252	3,5000	1.286,154	-2,90	6,0000	1.286,029	7,5000	1.285,954						7,5665	1.285,910	-0,044
11+260,000	-8,0371	1.285,967	0,537					-7,5000	1.285,430	-6,0000	1.285,805	-3,5000	1.285,905	2,90	1.285,591	1.285,804	-0,213	3,5000	1.285,702	-2,90	6,0000	1.285,577	7,5000	1.285,502						7,8818	1.285,247	-0,255
11+280,000	-7,8216	1.285,301	0,322					-7,5000	1.284,979	-6,0000	1.285,354	-3,5000	1.285,454	2,90	1.285,181	1.285,352	-0,171	3,5000	1.285,251	-2,90	6,0000	1.285,126	7,5000	1.285,051						7,7231	1.284,902	-0,149
11+300,000	-7,8489	1.284,876	0,349					-7,5000	1.284,527	-6,0000	1.284,902	-3,5000	1.285,002	2,90	1.284,671	1.284,900	-0,229	3,5000	1.284,799	-2,90	6,0000	1.284,674	7,5000	1.284,599						7,7068	1.284,461	-0,138
11+320,000	-7,8742	1.284,449	0,374					-7,5000	1.284,075	-6,0000	1.284,450	-3,5000	1.284,550	2,90	1.284,160	1.284,448	-0,288	3,5000	1.284,347	-2,90	6,0000	1.284,222	7,5000	1.284,147						7,7624	1.283,972	-0,175
11+340,000	-7,8009	1.283,924	0,301					-7,5000	1.283,623	-6,0000	1.283,998	-3,5000	1.284,098	2,90	1.283,675	1.283,996	-0,321	3,5000	1.283,895	-2,90	6,0000	1.283,770	7,5000	1.283,695						7,7580	1.283,523	-0,172
11+360,000	-7,8273	1.283,498	0,327					-7,5000	1.283,171	-6,0000	1.283,546	-3,5000	1.283,646	2,90	1.283,212	1.283,545	-0,333	3,5000	1.283,443	-2,90	6,0000	1.283,318	7,5000	1.283,243						7,9311	1.282,956	-0,287
11+380,000	-7,8142	1.283,033	0,314					-7,5000	1.282,719	-6,0000	1.283,094	-3,5000	1.283,194	2,90	1.282,792	1.283,093	-0,301	3,5000	1.282,991	-2,90	6,0000	1.282,866	7,5000	1.282,791						7,6932	1.282,662	-0,129
11+400,000	-7,8827	1.282,650	0,383					-7,5000	1.282,267	-6,0000	1.282,642	-3,5000	1.282,742	2,90	1.282,315	1.282,641	-0,326	3,5000	1.282,539	-2,90	6,0000	1.282,414	7,5000	1.282,339						8,1734	1.281,890	-0,449
11+413,880	-7,6198	1.282,346	-0,080					-7,5000	1.282,426	-6,0000	1.282,501	-3,5000	1.282,429	2,90	1.281,970	1.282,327	-0,357	3,5000	1.282,226	-2,90			7,5000	1.282,026						8,3003	1.281,492	-0,534
11+420,000	-7,6661	1.282,177	-0,111					-7,5000	1.282,288	-6,0000	1.282,363	-3,5000	1.282,290	2,90	1.281,826	1.282,189	-0,363	3,5000	1.282,087	-2,90			7,5000	1.281,887						8,1934	1.281,425	-0,462
11+440,000	-7,8478	1.281,604	-0,232					-7,5000	1.281,836	-6,0000	1.281,911	-3,5000	1.281,839	2,90	1.281,354	1.281,737	-0,383	3,5000	1.281,636	-2,90			7,5000	1.281,436						7,9456	1.281,139	-0,297
11+456,245	-7,9564	1.281,165	-0,304					-7,5000	1.281,469	-6,0000	1.281,544	-3,5000	1.281,472	2,90	1.280,891	1.281,370	-0,479	3,5000	1.281,269	-2,90			7,5000	1.281,069						7,9724	1.280,754	-0,315
11+460,000	-8,3019	1.281,075	-0,319					-7,8227	1.281,394	-6,3227	1.281,469	-3,5000	1.281,387	2,90	1.280,826	1.281,285	-0,459	3,5000	1.281,184	-2,90			7,5000	1.280,984						7,9702	1.280,671	-0,313
11+473,702	-9,7722	1.280,603	-0,515					-9,0000	1.281,118	-7,5000	1.281,193	-3,5000	1.281,077	2,90	1.280,461	1.280,976	-0,515	3,5000	1.280,874	-2,90	6,0000	1.280,749	7,5000	1.280,674						8,0051	1.280,337	-0,337
11+480,000	-9,7611	1.280,469	-0,507					-9,0000	1.280,976	-7,5000	1.281,051	-3,5000	1.280,935	2,90	1.280,340	1.280,833	-0,493	3,5000	1.280,732	-2,90	6,0000	1.280,607	7,5000	1.280,532						8,0583	1.280,160	-0,372
11+500,000	-9,4578	1.280,219	-0,305					-9,0000	1.280,524	-7,5000	1.280,599	-3,5000	1.280,483	2,90	1.279,893	1.280,381	-0,488	3,5000	1.280,280	-2,90	6,0000	1.280,155	7,5000	1.280,080						8,1587	1.279,641	-0,439



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA

DF-220-NS-R01



ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO															
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET				
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT			
11+503,610	-9,4016	1.280,174	-0,268					-9,0000	1.280,442	-7,5000	1.280,517	-3,5000	1.280,401	2,90	1.279,805	1.280,300	-0,495	3,5000	1.280,198	-2,90	6,0000	1.280,073	7,5000	1.279,998							8,1584	1.279,559	-0,439
11+520,000	-10,1820	1.279,284	-0,788					-9,0000	1.280,072	-7,5000	1.280,147	-3,5000	1.280,031	2,90	1.279,411	1.279,930	-0,519	3,5000	1.279,828	-2,90	6,0000	1.279,703	7,5000	1.279,628							8,2459	1.279,131	-0,497
11+540,000	-10,6611	1.278,509	-1,107					-9,0000	1.279,616	-7,5000	1.279,691	-3,5000	1.279,575	2,90	1.278,894	1.279,474	-0,580	3,5000	1.279,372	-2,90	6,0000	1.279,247	7,5000	1.279,172							8,3768	1.278,587	-0,585
11+540,040	-10,6612	1.278,509	-1,107					-9,0000	1.279,616	-7,5000	1.279,691	-3,5000	1.279,575	2,90	1.278,892	1.279,473	-0,581	3,5000	1.279,372	-2,90	6,0000	1.279,247	7,5000	1.279,172							8,3771	1.278,587	-0,585
11+557,497	-8,3467	1.278,604	-0,564					-7,5000	1.279,168	-6,0000	1.279,243	-3,5000	1.279,171	2,90	1.278,403	1.279,069	-0,666	3,5000	1.278,968	-2,90			7,5000	1.278,768							8,2031	1.278,299	-0,469
11+560,000	-8,2383	1.278,618	-0,492					-7,5000	1.279,110	-6,0000	1.279,185	-3,5000	1.279,112	2,90	1.278,344	1.279,011	-0,667	3,5000	1.278,909	-2,90			7,5000	1.278,709							8,2023	1.278,241	-0,468
11+580,000	-8,0138	1.278,296	-0,343					-7,5000	1.278,639	-6,0000	1.278,714	-3,5000	1.278,641	2,90	1.277,878	1.278,540	-0,662	3,5000	1.278,438	-2,90			7,5000	1.278,238							8,1849	1.277,781	-0,457
11+599,862	-8,2667	1.277,653	-0,511					-7,5000	1.278,164	-6,0000	1.278,239	-3,5000	1.278,166	2,90	1.277,415	1.278,065	-0,650	3,5000	1.277,963	-2,90			7,5000	1.277,763							8,0660	1.277,386	-0,377
11+600,000	-8,0100	1.277,648	-0,340					-7,5000	1.277,988	-6,0000	1.278,063	-3,5000	1.278,163	2,90	1.277,412	1.278,061	-0,649	3,5000	1.277,960	-2,90	6,0000	1.277,835	7,5000	1.277,760							8,0634	1.277,384	-0,376
11+620,000	-8,3444	1.276,939	-0,563					-7,5000	1.277,502	-6,0000	1.277,577	-3,5000	1.277,677	2,90	1.276,960	1.277,575	-0,615	3,5000	1.277,474	-2,90	6,0000	1.277,349	7,5000	1.277,274							7,8361	1.277,050	-0,224
11+640,000	-8,1517	1.276,574	-0,434					-7,5000	1.277,008	-6,0000	1.277,083	-3,5000	1.277,183	2,90	1.276,509	1.277,082	-0,573	3,5000	1.276,980	-2,90	6,0000	1.276,855	7,5000	1.276,780							8,0187	1.276,434	-0,346
11+660,000	-8,4157	1.275,897	-0,610					-7,5000	1.276,507	-6,0000	1.276,582	-3,5000	1.276,682	2,90	1.276,024	1.276,581	-0,557	3,5000	1.276,479	-2,90	6,0000	1.276,354	7,5000	1.276,279							8,1369	1.275,854	-0,425
11+680,000	-8,2692	1.275,485	-0,513					-7,5000	1.275,998	-6,0000	1.276,073	-3,5000	1.276,173	2,90	1.275,547	1.276,072	-0,525	3,5000	1.275,970	-2,90	6,0000	1.275,845	7,5000	1.275,770							8,2104	1.275,296	-0,474
11+700,000	-8,1114	1.275,074	-0,408					-7,5000	1.275,482	-6,0000	1.275,557	-3,5000	1.275,657	2,90	1.275,072	1.275,555	-0,483	3,5000	1.275,454	-2,90	6,0000	1.275,329	7,5000	1.275,254							8,1440	1.274,825	-0,429
11+720,000	-8,0236	1.274,609	-0,349					-7,5000	1.274,958	-6,0000	1.275,033	-3,5000	1.275,133	2,90	1.274,589	1.275,031	-0,442	3,5000	1.274,930	-2,90	6,0000	1.274,805	7,5000	1.274,730							7,9919	1.274,402	-0,328
11+740,000	-8,0469	1.274,061	-0,365					-7,5000	1.274,426	-6,0000	1.274,501	-3,5000	1.274,601	2,90	1.274,146	1.274,500	-0,354	3,5000	1.274,398	-2,90	6,0000	1.274,273	7,5000	1.274,198							8,1400	1.273,771	-0,427
11+760,000	-8,1436	1.273,458	-0,429					-7,5000	1.273,887	-6,0000	1.273,962	-3,5000	1.274,062	2,90	1.273,611	1.273,961	-0,350	3,5000	1.273,859	-2,90	6,0000	1.273,734	7,5000	1.273,659							7,8386	1.273,433	-0,226
11+780,000	-8,2367	1.272,849	-0,491					-7,5000	1.273,340	-6,0000	1.273,415	-3,5000	1.273,515	2,90	1.273,093	1.273,414	-0,321	3,5000	1.273,312	-2,90	6,0000	1.273,187	7,5000	1.273,112							7,8575	1.272,874	-0,238
11+800,000	-8,2555	1.272,282	-0,504					-7,5000	1.272,786	-6,0000	1.272,861	-3,5000	1.272,961	2,90	1.272,526	1.272,860	-0,334	3,5000	1.272,758	-2,90	6,0000	1.272,633	7,5000	1.272,558							7,8701	1.272,311	-0,247
11+820,000	-8,1908	1.271,763	-0,461					-7,5000	1.272,224	-6,0000	1.272,299	-3,5000	1.272,399	2,90	1.271,918	1.272,298	-0,380	3,5000	1.272,196	-2,90	6,0000	1.272,071	7,5000	1.271,996							7,8096	1.271,790	-0,206
11+840,000	-8,1670	1.271,210	-0,445					-7,5000	1.271,655	-6,0000	1.271,730	-3,5000	1.271,830	2,90	1.271,454	1.271,728	-0,274	3,5000	1.271,627	-2,90	6,0000	1.271,502	7,5000	1.271,427							7,8345	1.271,204	-0,223
11+860,000	-8,2640	1.270,569	-0,509					-7,5000	1.271,078	-6,0000	1.271,153	-3,5000	1.271,253	2,90	1.270,841	1.271,151	-0,310	3,5000	1.271,050	-2,90	6,0000	1.270,925	7,5000	1.270,850							7,7494	1.270,684	-0,166
11+880,000	-8,3076	1.269,955	-0,538					-7,5000	1.270,493	-6,0000	1.270,568	-3,5000	1.270,668	2,90	1.270,255	1.270,566	-0,311	3,5000	1.270,465	-2,90	6,0000	1.270,340	7,5000	1.270,265							7,8464	1.270,034	-0,231
11+900,000	-8,2965	1.269,370	-0,531					-7,5000	1.269,901	-6,0000	1.269,976	-3,5000	1.270,076	2,90	1.269,679	1.269,974	-0,295	3,5000	1.269,873	-2,90	6,0000	1.269,748	7,5000	1.269,673							8,0805	1.269,286	-0,387
11+920,000	-8,0551	1.268,931	-0,370					-7,5000	1.269,301	-6,0000	1.269,376	-3,5000	1.269,476	2,90	1.269,097	1.269,374	-0,277	3,5000	1.269,273	-2,90	6,0000	1.269,148	7,5000	1.269,073							8,0404	1.268,713	-0,360
11+940,000	-8,1240	1.268,281	-0,416					-7,5000	1.268,697	-6,0000	1.268,772	-3,5000	1.268,872	2,90	1.268,438	1.268,770	-0,332	3,5000	1.268,669	-2,90	6,0000	1.268,544	7,5000	1.268,469							7,9959	1.268,138	-0,331
11+960,000	-8,0325	1.267,738	-0,355					-7,5000	1.268,093	-6,0000	1.268,168	-3,5000	1.268,268	2,90	1.267,786	1.268,167	-0,381	3,5000	1.268,065	-2,90	6,0000	1.267,940	7,5000	1.267,865							7,9766	1.267,547	-0,318
11+980,000	-7,9375	1.267,198	-0,292					-7,5000	1.267,490	-6,0000	1.267,565	-3,5000	1.267,665	2,90	1.267,201	1.267,563	-0,362	3,5000	1.267,462	-2,90	6,0000	1.267,337	7,5000	1.267,262							7,9330	1.266,973	-0,289
12	-8,0993	1.266,487	-0,399					-7,5000	1.266,886	-6,0000	1.266,961	-3,5000	1.267,061	2,90	1.266,679	1.266,959	-0,280	3,5000	1.266,858	-2,90	6,0000	1.266,733	7,5000	1.266,658							7,8722	1.266,410	-0,248
12+20,000	-8,1215	1.265,868	-0,414					-7,5000	1.266,282	-6,0000	1.266,357	-3,5000	1.266,457	2,90	1.266,035	1.266,356	-0,321	3,5000	1.266,254	-2,90	6,0000	1.266,129	7,5000	1.266,054							7,8097	1.265,848	-0,206
12+40,000	-7,9827	1.265,357	-0,322					-7,5000	1.265,679	-6,0000	1.265,754	-3,5000	1.265,854	2,90	1.265,420	1.265,752	-0,332	3,5000	1.265,651	-2,90	6,0000	1.265,526	7,5000	1.265,451							7,8576	1.265,213	-0,238



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA

DF-220-NS-R01



ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO													
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET		
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT	
12+60,000	-8,1340	1.264,652	-0,423					-7,5000	1.265,075	-6,0000	1.265,150	-3,5000	1.265,250	2,90	1.264,787	1.265,148	-0,361	3,5000	1.265,047	-2,90	6,0000	1.264,922	7,5000	1.264,847					7,9045	1.264,577	-0,270
12+80,000	-8,1386	1.264,045	-0,426					-7,5000	1.264,471	-6,0000	1.264,546	-3,5000	1.264,646	2,90	1.264,158	1.264,545	-0,387	3,5000	1.264,443	-2,90	6,0000	1.264,318	7,5000	1.264,243					7,9021	1.263,975	-0,268
12+100,000	-8,1082	1.263,463	-0,405					-7,5000	1.263,868	-6,0000	1.263,943	-3,5000	1.264,043	2,90	1.263,569	1.263,941	-0,372	3,5000	1.263,840	-2,90	6,0000	1.263,715	7,5000	1.263,640					7,9740	1.263,324	-0,316
12+120,000	-8,1107	1.262,857	-0,407					-7,5000	1.263,264	-6,0000	1.263,339	-3,5000	1.263,439	2,90	1.262,994	1.263,337	-0,343	3,5000	1.263,236	-2,90	6,0000	1.263,111	7,5000	1.263,036					7,9802	1.262,716	-0,320
12+140,000	-8,1044	1.262,257	-0,403					-7,5000	1.262,660	-6,0000	1.262,735	-3,5000	1.262,835	2,90	1.262,363	1.262,734	-0,371	3,5000	1.262,632	-2,90	6,0000	1.262,507	7,5000	1.262,432					8,0128	1.262,090	-0,342
12+160,000	-7,9842	1.261,734	-0,323					-7,5000	1.262,057	-6,0000	1.262,132	-3,5000	1.262,232	2,90	1.261,729	1.262,130	-0,401	3,5000	1.262,029	-2,90	6,0000	1.261,904	7,5000	1.261,829					7,6402	1.261,736	-0,093
12+180,000	-7,8172	1.261,242	-0,211					-7,5000	1.261,453	-6,0000	1.261,528	-3,5000	1.261,628	2,90	1.261,074	1.261,526	-0,452	3,5000	1.261,425	-2,90	6,0000	1.261,300	7,5000	1.261,225					7,5204	1.261,211	-0,014
12+200,000	-7,9891	1.260,523	-0,326					-7,5000	1.260,849	-6,0000	1.260,924	-3,5000	1.261,024	2,90	1.260,489	1.260,923	-0,434	3,5000	1.260,821	-2,90	6,0000	1.260,696	7,5000	1.260,621					7,6087	1.260,549	-0,072
12+219,011	-7,9132	1.259,944	-0,275					-7,5000	1.260,219	-6,0000	1.260,294	-3,5000	1.260,419	2,00	1.259,936	1.260,349	-0,413	3,5000	1.260,279	-2,00	6,0000	1.260,154	7,5000	1.260,079					7,8042	1.259,876	-0,203
12+220,000	-7,9132	1.259,912	-0,275					-7,5000	1.260,187	-6,0000	1.260,262	-3,5000	1.260,387	1,93	1.259,906	1.260,319	-0,413	3,5000	1.260,249	-2,00	6,0000	1.260,124	7,5000	1.260,049					7,7884	1.259,857	-0,192
12+233,632	-7,8848	1.259,483	-0,257					-7,5000	1.259,740	-6,0000	1.259,815	-3,5000	1.259,940	0,94	1.259,478	1.259,908	-0,430	3,5000	1.259,838	-2,00	6,0000	1.259,713	7,5000	1.259,638					7,6508	1.259,537	-0,101
12+240,000	-7,8447	1.259,302	-0,230					-7,5000	1.259,532	-6,0000	1.259,607	-3,5000	1.259,732	0,48	1.259,262	1.259,715	-0,453	3,5000	1.259,645	-2,00	6,0000	1.259,520	7,5000	1.259,445					7,6204	1.259,365	-0,080
12+246,597	-7,8301	1.259,096	-0,220					-7,5000	1.259,316	-6,0000	1.259,391	-3,5000	1.259,516	0,00	1.259,048	1.259,516	-0,468	3,5000	1.259,446	-2,00	6,0000	1.259,321	7,5000	1.259,246					7,6188	1.259,167	-0,079
12+260,000	-7,8061	1.258,674	-0,204					-7,5000	1.258,878	-6,0000	1.258,953	-3,5000	1.259,078	-0,97	1.258,643	1.259,112	-0,469	3,5000	1.259,042	-2,00	6,0000	1.258,917	7,5000	1.258,842					7,6165	1.258,764	-0,078
12+274,183	-7,7246	1.258,264	-0,150					-7,5000	1.258,414	-6,0000	1.258,489	-3,5000	1.258,614	-2,00	1.258,266	1.258,684	-0,418	3,5000	1.258,614	-2,00	6,0000	1.258,489	7,5000	1.258,414					7,8624	1.258,172	-0,242
12+280,000	-7,7115	1.258,097	-0,141					-7,5000	1.258,238	-6,0000	1.258,313	-3,5000	1.258,438	-2,00	1.258,130	1.258,508	-0,378	3,5000	1.258,438	-2,00	6,0000	1.258,313	7,5000	1.258,238					8,0096	1.257,898	-0,340
12+300,000	-7,6281	1.257,549	-0,085					-7,5000	1.257,634	-6,0000	1.257,709	-3,5000	1.257,834	-2,00	1.257,526	1.257,904	-0,378	3,5000	1.257,834	-2,00	6,0000	1.257,709	7,5000	1.257,634					7,8683	1.257,388	-0,246
12+320,000	-7,5798	1.256,978	-0,053					-7,5000	1.257,031	-6,0000	1.257,106	-3,5000	1.257,231	-2,00	1.256,871	1.257,301	-0,430	3,5000	1.257,231	-2,00	6,0000	1.257,106	7,5000	1.257,031					7,8526	1.256,796	-0,235
12+340,000	-7,6313	1.256,339	-0,088					-7,5000	1.256,427	-6,0000	1.256,502	-3,5000	1.256,627	-2,00	1.256,279	1.256,697	-0,418	3,5000	1.256,627	-2,00	6,0000	1.256,502	7,5000	1.256,427					7,8408	1.256,200	-0,227
12+360,000	-7,8819	1.255,568	-0,255					-7,5000	1.255,823	-6,0000	1.255,898	-3,5000	1.256,023	-2,00	1.255,646	1.256,093	-0,447	3,5000	1.256,023	-2,00	6,0000	1.255,898	7,5000	1.255,823					7,8373	1.255,598	-0,225
12+380,000	-7,6730	1.255,105	-0,115					-7,5000	1.255,220	-6,0000	1.255,295	-3,5000	1.255,420	-2,00	1.254,972	1.255,490	-0,518	3,5000	1.255,420	-2,00	6,0000	1.255,295	7,5000	1.255,220					7,8951	1.254,957	-0,263
12+400,000	-7,6668	1.254,505	-0,111					-7,5000	1.254,616	-6,0000	1.254,691	-3,5000	1.254,816	-2,00	1.254,423	1.254,886	-0,463	3,5000	1.254,816	-2,00	6,0000	1.254,691	7,5000	1.254,616					7,7261	1.254,465	-0,151
12+420,000	-7,6088	1.254,121	0,109					-7,5000	1.254,012	-6,0000	1.254,087	-3,5000	1.254,212	-2,00	1.253,760	1.254,282	-0,522	3,5000	1.254,212	-2,00	6,0000	1.254,087	7,5000	1.254,012					7,5413	1.254,053	0,041
12+440,000	-7,5730	1.253,360	-0,049					-7,5000	1.253,409	-6,0000	1.253,484	-3,5000	1.253,609	-2,00	1.253,233	1.253,679	-0,446	3,5000	1.253,609	-2,00	6,0000	1.253,484	7,5000	1.253,409					7,7151	1.253,266	-0,143
12+460,000	-7,6484	1.252,760	-0,099					-7,5000	1.252,859	-6,0000	1.252,934	-3,5000	1.253,059	-2,00	1.252,716	1.253,129	-0,413	3,5000	1.253,059	-2,00	6,0000	1.252,934	7,5000	1.252,859					8,1397	1.252,433	-0,426
12+480,000	-7,8684	1.252,170	-0,246					-7,5000	1.252,416	-6,0000	1.252,491	-3,5000	1.252,616	-2,00	1.252,228	1.252,686	-0,458	3,5000	1.252,616	-2,00	6,0000	1.252,491	7,5000	1.252,416					8,6030	1.251,681	-0,735
12+500,000	-7,8382	1.251,855	-0,225					-7,5000	1.252,080	-6,0000	1.252,155	-3,5000	1.252,280	-2,00	1.251,955	1.252,350	-0,395	3,5000	1.252,280	-2,00	6,0000	1.252,155	7,5000	1.252,080					8,9554	1.251,110	-0,970
12+520,000	-8,5677	1.251,140	-0,712					-7,5000	1.251,852	-6,0000	1.251,927	-3,5000	1.252,052	-2,00	1.251,862	1.252,122	-0,260	3,5000	1.252,052	-2,00	6,0000	1.251,927	7,5000	1.251,852					10,7360	1.249,695	-2,157
12+540,000	-9,8962	1.250,134	-1,597					-7,5000	1.251,731	-6,0000	1.251,806	-3,5000	1.251,931	-2,00	1.251,716	1.252,001	-0,285	3,5000	1.251,931	-2,00	6,0000	1.251,806	7,5000	1.251,731					10,2401	1.249,904	-1,827
12+560,000	-8,3106	1.251,177	-0,540					-7,5000	1.251,717	-6,0000	1.251,792	-3,5000	1.251,917	-2,00	1.251,720	1.251,987	-0,267	3,5000	1.251,917	-2,00	6,0000	1.251,792	7,5000	1.251,717					10,0990	1.249,984	-1,733
12+580,000	-7,9652	1.251,500	-0,310					-7,5000	1.251,810	-6,0000	1.251,885	-3,5000	1.252,010	-2,00	1.251,779	1.252,080	-0,301	3,5000	1.252,010	-2,00	6,0000	1.251,885	7,5000	1.251,810					9,2326	1.250,655	-1,155



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO														
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
	DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA
12+600,000	-7,6107	1.251,937	-0,074					-7,5000	1.252,011	-6,0000	1.252,086	-3,5000	1.252,211	-2,00	1.251,944	1.252,281	-0,337	3,5000	1.252,211	-2,00	6,0000	1.252,086	7,5000	1.252,011					8,4293	1.251,391	-0,620	
12+620,000	-7,9973	1.252,516	0,497					-7,5000	1.252,019	-6,0000	1.252,394	-3,5000	1.252,519	-2,00	1.252,234	1.252,589	-0,355	3,5000	1.252,519	-2,00	6,0000	1.252,394	7,5000	1.252,319					8,1001	1.251,919	-0,400	
12+640,000	-7,9569	1.252,891	0,457					-7,5000	1.252,434	-6,0000	1.252,809	-3,5000	1.252,934	-2,00	1.252,715	1.253,004	-0,289	3,5000	1.252,934	-2,00	6,0000	1.252,809	7,5000	1.252,734					7,6426	1.252,639	-0,095	
12+660,000	-8,0043	1.253,406	0,504					-7,5000	1.252,902	-6,0000	1.253,277	-3,5000	1.253,402	-2,00	1.253,141	1.253,472	-0,331	3,5000	1.253,402	-2,00	6,0000	1.253,277	7,5000	1.253,202					7,7987	1.253,003	-0,199	
12+680,000	-7,9938	1.253,865	0,494					-7,5000	1.253,371	-6,0000	1.253,746	-3,5000	1.253,871	-2,00	1.253,632	1.253,941	-0,309	3,5000	1.253,871	-2,00	6,0000	1.253,746	7,5000	1.253,671					7,8452	1.253,441	-0,230	
12+700,000	-7,9776	1.254,318	0,478					-7,5000	1.253,840	-6,0000	1.254,215	-3,5000	1.254,340	-2,00	1.254,124	1.254,410	-0,286	3,5000	1.254,340	-2,00	6,0000	1.254,215	7,5000	1.254,140					7,9127	1.253,865	-0,275	
12+720,000	-7,9855	1.254,795	0,486					-7,5000	1.254,309	-6,0000	1.254,684	-3,5000	1.254,809	-2,00	1.254,590	1.254,879	-0,289	3,5000	1.254,809	-2,00	6,0000	1.254,684	7,5000	1.254,609					7,8889	1.254,350	-0,259	
12+740,000	-8,0281	1.255,305	0,528					-7,5000	1.254,777	-6,0000	1.255,152	-3,5000	1.255,277	-2,00	1.255,057	1.255,347	-0,290	3,5000	1.255,277	-2,00	6,0000	1.255,152	7,5000	1.255,077					7,9185	1.254,798	-0,279	
12+760,000	-8,0604	1.255,806	0,560					-7,5000	1.255,246	-6,0000	1.255,621	-3,5000	1.255,746	-2,00	1.255,840	1.255,816	0,024	3,5000	1.255,746	-2,00	6,0000	1.255,621	7,5000	1.255,546					7,6262	1.255,462	-0,084	
12+780,000	-8,0047	1.256,220	0,505					-7,5000	1.255,715	-6,0000	1.256,090	-3,5000	1.256,215	-2,00	1.256,126	1.256,285	-0,159	3,5000	1.256,215	-2,00	6,0000	1.256,090	7,5000	1.256,015					7,7341	1.255,859	-0,156	
12+800,000	-7,9495	1.256,632	0,449					-7,5000	1.256,183	-6,0000	1.256,558	-3,5000	1.256,683	-2,00	1.256,610	1.256,753	-0,143	3,5000	1.256,683	-2,00	6,0000	1.256,558	7,5000	1.256,483					7,7959	1.256,286	-0,197	
12+820,000	-7,9238	1.257,076	0,424					-7,5000	1.256,652	-6,0000	1.257,027	-3,5000	1.257,152	-2,00	1.257,053	1.257,222	-0,169	3,5000	1.257,152	-2,00	6,0000	1.257,027	7,5000	1.256,952					7,7884	1.256,760	-0,192	
12+840,000	-7,6721	1.257,293	0,172					-7,5000	1.257,121	-6,0000	1.257,496	-3,5000	1.257,621	-2,00	1.257,511	1.257,691	-0,180	3,5000	1.257,621	-2,00	6,0000	1.257,496	7,5000	1.257,421					7,7117	1.257,280	-0,141	
12+860,000	-7,8390	1.257,929	0,339					-7,5000	1.257,590	-6,0000	1.257,965	-3,5000	1.258,090	-2,00	1.257,983	1.258,160	-0,177	3,5000	1.258,090	-2,00	6,0000	1.257,965	7,5000	1.257,890					7,8426	1.257,662	-0,228	
12+880,000	-7,8290	1.258,387	0,329					-7,5000	1.258,058	-6,0000	1.258,433	-3,5000	1.258,558	-2,00	1.258,438	1.258,628	-0,190	3,5000	1.258,558	-2,00	6,0000	1.258,433	7,5000	1.258,358					7,7754	1.258,174	-0,184	
12+900,000	-7,8095	1.258,836	0,309					-7,5000	1.258,527	-6,0000	1.258,902	-3,5000	1.259,027	-2,00	1.258,921	1.259,097	-0,176	3,5000	1.259,027	-2,00	6,0000	1.258,902	7,5000	1.258,827					7,7953	1.258,630	-0,197	
12+920,000	-7,8297	1.259,326	0,330					-7,5000	1.258,996	-6,0000	1.259,371	-3,5000	1.259,496	-2,00	1.259,378	1.259,566	-0,188	3,5000	1.259,496	-2,00	6,0000	1.259,371	7,5000	1.259,296					7,9141	1.259,020	-0,276	
12+940,000	-7,8140	1.259,778	0,314					-7,5000	1.259,464	-6,0000	1.259,839	-3,5000	1.259,964	-2,00	1.259,780	1.260,034	-0,254	3,5000	1.259,964	-2,00	6,0000	1.259,839	7,5000	1.259,764					8,0136	1.259,422	-0,342	
12+960,000	-7,7858	1.260,219	0,286					-7,5000	1.259,933	-6,0000	1.260,308	-3,5000	1.260,433	-2,00	1.260,263	1.260,503	-0,240	3,5000	1.260,433	-2,00	6,0000	1.260,308	7,5000	1.260,233					8,1394	1.259,807	-0,426	
12+980,000	-7,6500	1.260,552	0,150					-7,5000	1.260,402	-6,0000	1.260,777	-3,5000	1.260,902	-2,00	1.260,724	1.260,972	-0,248	3,5000	1.260,902	-2,00	6,0000	1.260,777	7,5000	1.260,702					8,2735	1.260,186	-0,516	
13	-15,2992	1.260,970	1,199	14,1000	1.259,771	-8,1000	1.260,771	-7,5000	1.261,171	-6,0000	1.261,246	-3,5000	1.261,371	-2,00	1.261,178	1.261,441	-0,263	3,5000	1.261,371	-2,00	6,0000	1.261,246	7,5000	1.261,171					8,1095	1.260,765	-0,406	
13+20,000	-15,2610	1.261,400	1,161	14,1000	1.260,239	-8,1000	1.261,239	-7,5000	1.261,639	-6,0000	1.261,714	-3,5000	1.261,839	-2,00	1.261,641	1.261,909	-0,268	3,5000	1.261,839	-2,00	6,0000	1.261,714	7,5000	1.261,639					7,9421	1.261,344	-0,295	
13+40,000	-15,2973	1.261,905	1,197	14,1000	1.260,708	-8,1000	1.261,708	-7,5000	1.262,108	-6,0000	1.262,183	-3,5000	1.262,308	-2,00	1.262,181	1.262,378	-0,197	3,5000	1.262,308	-2,00	6,0000	1.262,183	7,5000	1.262,108					7,7423	1.261,946	-0,162	
13+60,000	-15,4232	1.262,500	1,323	14,1000	1.261,177	-8,1000	1.262,177	-7,5000	1.262,577	-6,0000	1.262,652	-3,5000	1.262,777	-2,00	1.262,644	1.262,847	-0,203	3,5000	1.262,777	-2,00	6,0000	1.262,652	7,5000	1.262,577					7,5515	1.262,543	-0,034	
13+80,000	-15,5468	1.263,092	1,447	14,1000	1.261,645	-8,1000	1.262,645	-7,5000	1.263,045	-6,0000	1.263,120	-3,5000	1.263,245	-2,00	1.263,099	1.263,315	-0,216	3,5000	1.263,245	-2,00	6,0000	1.263,120	7,5000	1.263,045					7,7161	1.262,901	-0,144	
13+100,000	-15,6514	1.263,665	1,551	14,1000	1.262,114	-8,1000	1.263,114	-7,5000	1.263,514	-6,0000	1.263,589	-3,5000	1.263,714	-2,00	1.263,567	1.263,784	-0,217	3,5000	1.263,714	-2,00	6,0000	1.263,589	7,5000	1.263,514					7,7187	1.263,368	-0,146	
13+120,000	-15,7338	1.264,217	1,634	14,1000	1.262,583	-8,1000	1.263,583	-7,5000	1.263,983	-6,0000	1.264,058	-3,5000	1.264,183	-2,00	1.264,054	1.264,253	-0,199	3,5000	1.264,183	-2,00	6,0000	1.264,058	7,5000	1.263,983					7,8468	1.264,030	0,347	
13+140,000	-16,0622	1.265,013	1,962	14,1000	1.263,051	-8,1000	1.264,051	-7,5000	1.264,451	-6,0000	1.264,526	-3,5000	1.264,651	-2,00	1.264,549	1.264,721	-0,172	3,5000	1.264,651	-2,00	6,0000	1.264,526	7,5000	1.264,451					7,9538	1.264,605	0,454	
13+160,000	-16,0053	1.265,425	1,905	14,1000	1.263,520	-8,1000	1.264,520	-7,5000	1.264,920	-6,0000	1.264,995	-3,5000	1.265,120	-2,00	1.265,030	1.265,190	-0,160	3,5000	1.265,120	-2,00	6,0000	1.264,995	7,5000	1.264,920					8,0023	1.265,122	0,502	
13+180,000	-15,6904	1.265,579	1,590	14,1000	1.263,989	-8,1000	1.264,989	-7,5000	1.265,389	-6,0000	1.265,464	-3,5000	1.265,589	-2,00	1.265,475	1.265,659	-0,184	3,5000	1.265,589	-2,00	6,0000	1.265,464	7,5000	1.265,389					7,9805	1.265,570	0,481	
13+200,000	-15,6688	1.266,026	1,568	14,1000	1.264,458	-8,1000	1.265,458	-7,5000	1.265,858	-6,0000	1.265,933	-3,5000	1.266,058	-2,00	1.265,887	1.266,128	-0,241	3,5000	1.266,058	-2,00	6,0000	1.265,933	7,5000	1.265,858					7,8966	1.265,955	0,397	



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO															
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET				
	DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT
13+220,000	-15,8104	1.266,636	1,710	-14,1000	1.264,926	-8,1000	1.265,926	-7,5000	1.266,326	-6,0000	1.266,401	-3,5000	1.266,526	-2,00	1.266,346	1.266,596	-0,250	3,5000	1.266,526	-2,00	6,0000	1.266,401	7,5000	1.266,026							7,8416	1.266,368	0,342
13+240,000	-15,8561	1.267,151	1,756	-14,1000	1.265,395	-8,1000	1.266,395	-7,5000	1.266,795	-6,0000	1.266,870	-3,5000	1.266,995	-2,00	1.266,842	1.267,065	-0,223	3,5000	1.266,995	-2,00	6,0000	1.266,870	7,5000	1.266,495							7,9040	1.266,899	0,404
13+260,000	-15,7910	1.267,555	1,691	-14,1000	1.265,864	-8,1000	1.266,864	-7,5000	1.267,264	-6,0000	1.267,339	-3,5000	1.267,464	-2,00	1.267,314	1.267,534	-0,220	3,5000	1.267,464	-2,00	6,0000	1.267,339	7,5000	1.266,964							8,0462	1.267,510	0,546
13+280,000	-15,8360	1.268,068	1,736	-14,1000	1.266,332	-8,1000	1.267,332	-7,5000	1.267,732	-6,0000	1.267,807	-3,5000	1.267,932	-2,00	1.267,923	1.268,002	-0,079	3,5000	1.267,932	-2,00	6,0000	1.267,807	7,5000	1.267,432							7,9138	1.267,846	0,414
13+300,000	-15,7993	1.268,500	1,699	-14,1000	1.266,801	-8,1000	1.267,801	-7,5000	1.268,201	-6,0000	1.268,276	-3,5000	1.268,401	-2,00	1.268,400	1.268,471	-0,071	3,5000	1.268,401	-2,00	6,0000	1.268,276	7,5000	1.267,901							7,9693	1.268,370	0,469
13+320,000	-15,8928	1.269,063	1,793	-14,1000	1.267,270	-8,1000	1.268,270	-7,5000	1.268,670	-6,0000	1.268,745	-3,5000	1.268,870	-2,00	1.268,812	1.268,940	-0,128	3,5000	1.268,870	-2,00	6,0000	1.268,745	7,5000	1.268,370							7,9634	1.268,833	0,463
13+340,000	-15,7264	1.269,365	1,626	-14,1000	1.267,739	-8,1000	1.268,739	-7,5000	1.269,139	-6,0000	1.269,214	-3,5000	1.269,339	-2,00	1.269,296	1.269,409	-0,113	3,5000	1.269,339	-2,00	6,0000	1.269,214	7,5000	1.268,839							7,8682	1.269,207	0,368
13+360,000	-15,7614	1.269,868	1,661	-14,1000	1.268,207	-8,1000	1.269,207	-7,5000	1.269,607	-6,0000	1.269,682	-3,5000	1.269,807	-2,00	1.269,830	1.269,877	-0,047	3,5000	1.269,807	-2,00	6,0000	1.269,682	7,5000	1.269,307							8,0219	1.269,829	0,522
13+380,000	-15,7990	1.270,375	1,699	-14,1000	1.268,676	-8,1000	1.269,676	-7,5000	1.270,076	-6,0000	1.270,151	-3,5000	1.270,276	-2,00	1.270,207	1.270,346	-0,139	3,5000	1.270,276	-2,00	6,0000	1.270,151	7,5000	1.270,076							8,3962	1.269,479	-0,597
13+400,000	-15,7884	1.270,833	1,688	-14,1000	1.269,145	-8,1000	1.270,145	-7,5000	1.270,545	-6,0000	1.270,620	-3,5000	1.270,745	-2,00	1.270,639	1.270,815	-0,176	3,5000	1.270,745	-2,00	6,0000	1.270,620	7,5000	1.270,545							7,5303	1.270,525	-0,020
13+420,000	-15,8241	1.271,337	1,724	-14,1000	1.269,613	-8,1000	1.270,613	-7,5000	1.271,013	-6,0000	1.271,088	-3,5000	1.271,213	-2,00	1.271,139	1.271,283	-0,144	3,5000	1.271,213	-2,00	6,0000	1.271,088	7,5000	1.270,713							7,8173	1.271,030	0,317
13+440,000	-15,8092	1.271,782	1,709	-14,1000	1.270,073	-8,1000	1.271,073	-7,5000	1.271,473	-6,0000	1.271,548	-3,5000	1.271,673	-2,00	1.271,579	1.271,743	-0,164	3,5000	1.271,673	-2,00	6,0000	1.271,548	7,5000	1.271,173							7,8658	1.271,539	0,366
13+460,000	-15,8356	1.272,251	1,736	-14,1000	1.270,515	-8,1000	1.271,515	-7,5000	1.271,915	-6,0000	1.271,990	-3,5000	1.272,115	-2,00	1.272,031	1.272,185	-0,154	3,5000	1.272,115	-2,00	6,0000	1.271,990	7,5000	1.271,615							7,8210	1.271,936	0,321
13+480,000	-15,7523	1.272,590	1,652	-14,1000	1.270,938	-8,1000	1.271,938	-7,5000	1.272,338	-6,0000	1.272,413	-3,5000	1.272,538	-2,00	1.272,504	1.272,608	-0,104	3,5000	1.272,538	-2,00	6,0000	1.272,413	7,5000	1.272,038							7,7888	1.272,327	0,289
13+500,000	-15,6825	1.272,927	1,583	-14,1000	1.271,344	-8,1000	1.272,344	-7,5000	1.272,744	-6,0000	1.272,819	-3,5000	1.272,944	-2,00	1.272,882	1.273,014	-0,132	3,5000	1.272,944	-2,00	6,0000	1.272,819	7,5000	1.272,444							7,7977	1.272,742	0,298
13+520,000	-15,5878	1.273,219	1,488	-14,1000	1.271,731	-8,1000	1.272,731	-7,5000	1.273,131	-6,0000	1.273,206	-3,5000	1.273,331	-2,00	1.273,232	1.273,401	-0,169	3,5000	1.273,331	-2,00	6,0000	1.273,206	7,5000	1.272,831							7,7295	1.273,060	0,229
13+540,000	-7,8313	1.273,531	0,331					-7,5000	1.273,200	-6,0000	1.273,575	-3,5000	1.273,700	-2,00	1.273,739	1.273,770	-0,031	3,5000	1.273,700	-2,00	6,0000	1.273,575	7,5000	1.273,200							7,9131	1.273,613	0,413
13+560,000	-7,5559	1.273,814	-0,037					-7,5000	1.273,851	-6,0000	1.273,926	-3,5000	1.274,051	-2,00	1.274,100	1.274,121	-0,021	3,5000	1.274,051	-2,00	6,0000	1.273,926	7,5000	1.273,851							7,7435	1.273,689	-0,162
13+580,000	-7,7815	1.273,996	-0,188					-7,5000	1.274,184	-6,0000	1.274,259	-3,5000	1.274,384	-2,00	1.274,368	1.274,454	-0,086	3,5000	1.274,384	-2,00	6,0000	1.274,259	7,5000	1.274,184							7,8022	1.273,983	-0,201
13+600,000	-7,8593	1.274,259	-0,240					-7,5000	1.274,499	-6,0000	1.274,574	-3,5000	1.274,699	-2,00	1.274,660	1.274,769	-0,109	3,5000	1.274,699	-2,00	6,0000	1.274,574	7,5000	1.274,499							7,7420	1.274,338	-0,161
13+620,000	-7,7694	1.274,616	-0,180					-7,5000	1.274,796	-6,0000	1.274,871	-3,5000	1.274,996	-2,00	1.275,000	1.275,066	-0,066	3,5000	1.274,996	-2,00	6,0000	1.274,871	7,5000	1.274,796							7,8876	1.274,538	-0,258
13+640,000	-7,8748	1.274,825	-0,250					-7,5000	1.275,075	-6,0000	1.275,150	-3,5000	1.275,275	-2,00	1.275,203	1.275,345	-0,142	3,5000	1.275,275	-2,00	6,0000	1.275,150	7,5000	1.275,075							7,9808	1.274,754	-0,321
13+660,000	-7,8627	1.275,094	-0,242					-7,5000	1.275,336	-6,0000	1.275,411	-3,5000	1.275,536	-2,00	1.275,403	1.275,606	-0,203	3,5000	1.275,536	-2,00	6,0000	1.275,411	7,5000	1.275,336							7,9110	1.275,062	-0,274
13+680,000	-7,8804	1.275,324	-0,254					-7,5000	1.275,578	-6,0000	1.275,653	-3,5000	1.275,778	-2,00	1.275,637	1.275,848	-0,211	3,5000	1.275,778	-2,00	6,0000	1.275,653	7,5000	1.275,578							7,7769	1.275,393	-0,185
13+700,000	-7,8893	1.275,543	-0,260					-7,5000	1.275,803	-6,0000	1.275,878	-3,5000	1.276,003	-2,00	1.275,808	1.276,073	-0,265	3,5000	1.276,003	-2,00	6,0000	1.275,878	7,5000	1.275,803							7,8587	1.275,564	-0,239
13+720,000	-7,8267	1.275,792	-0,218					-7,5000	1.276,010	-6,0000	1.276,085	-3,5000	1.276,210	-2,00	1.275,957	1.276,280	-0,323	3,5000	1.276,210	-2,00	6,0000	1.276,085	7,5000	1.276,010							8,0000	1.275,677	-0,333
13+740,000	-8,2269	1.275,713	-0,485					-7,5000	1.276,198	-6,0000	1.276,273	-3,5000	1.276,398	-2,00	1.276,114	1.276,468	-0,354	3,5000	1.276,398	-2,00	6,0000	1.276,273	7,5000	1.276,198							8,0011	1.275,864	-0,334
13+760,000	-8,0520	1.276,000	-0,368					-7,5000	1.276,368	-6,0000	1.276,443	-3,5000	1.276,568	-2,00	1.276,261	1.276,638	-0,377	3,5000	1.276,568	-2,00	6,0000	1.276,443	7,5000	1.276,368							7,9070	1.276,097	-0,271
13+780,000	-8,0475	1.276,155	-0,365					-7,5000	1.276,520	-6,0000	1.276,595	-3,5000	1.276,720	-2,00	1.276,376	1.276,790	-0,414	3,5000	1.276,720	-2,00	6,0000	1.276,595	7,5000	1.276,520							8,0097	1.276,180	-0,340
13+800,000	-8,0422	1.276,294	-0,361					-7,5000	1.276,655	-6,0000	1.276,730	-3,5000	1.276,855	-2,00	1.276,492	1.276,925	-0,433	3,5000	1.276,855	-2,00	6,0000	1.276,730	7,5000	1.276,655							8,0908	1.276,261	-0,394
13+820,000	-8,0911	1.276,377	-0,394					-7,5000	1.276,771	-6,0000	1.276,846	-3,5000	1.276,971	-2,00	1.276,564	1.277,041	-0,477	3,5000	1.276,971	-2,00	6,0000	1.276,846	7,5000	1.276,771							8,0208	1.276,424	-0,347



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO														
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
13+840,000	-8,1358	1.276,445	-0,424					-7,5000	1.276,869	-6,0000	1.276,944	-3,5000	1.277,069	-2,00	1.276,685	1.277,139	-0,454	3,5000	1.277,069	-2,00	6,0000	1.276,944	7,5000	1.276,869						8,0300	1.276,516	-0,353
13+860,000	-8,2732	1.276,434	-0,515					-7,5000	1.276,949	-6,0000	1.277,024	-3,5000	1.277,149	-2,00	1.276,802	1.277,219	-0,417	3,5000	1.277,149	-2,00	6,0000	1.277,024	7,5000	1.276,949						7,8626	1.276,707	-0,242
13+880,000	-8,3158	1.276,466	-0,544					-7,5000	1.277,010	-6,0000	1.277,085	-3,5000	1.277,210	-2,00	1.276,881	1.277,280	-0,399	3,5000	1.277,210	-2,00	6,0000	1.277,085	7,5000	1.277,010						8,0238	1.276,661	-0,349
13+900,000	-8,0326	1.276,699	-0,355					-7,5000	1.277,054	-6,0000	1.277,129	-3,5000	1.277,254	-2,00	1.276,964	1.277,324	-0,360	3,5000	1.277,254	-2,00	6,0000	1.277,129	7,5000	1.277,054						8,1502	1.276,621	-0,433
13+920,000	-8,0166	1.276,736	-0,344					-7,5000	1.277,080	-6,0000	1.277,155	-3,5000	1.277,280	-2,00	1.277,032	1.277,350	-0,318	3,5000	1.277,280	-2,00	6,0000	1.277,155	7,5000	1.277,080						8,0619	1.276,705	-0,375
13+940,000	-7,9563	1.276,783	-0,304					-7,5000	1.277,087	-6,0000	1.277,162	-3,5000	1.277,287	-2,00	1.277,105	1.277,357	-0,252	3,5000	1.277,287	-2,00	6,0000	1.277,162	7,5000	1.277,087						7,9954	1.276,757	-0,330
13+960,000	-7,8054	1.276,873	-0,204					-7,5000	1.277,077	-6,0000	1.277,152	-3,5000	1.277,277	-2,00	1.277,141	1.277,347	-0,206	3,5000	1.277,277	-2,00	6,0000	1.277,152	7,5000	1.277,077						7,7220	1.276,929	-0,148
13+980,000	-7,8142	1.276,839	-0,209					-7,5000	1.277,048	-6,0000	1.277,123	-3,5000	1.277,248	-2,00	1.277,183	1.277,318	-0,135	3,5000	1.277,248	-2,00	6,0000	1.277,123	7,5000	1.277,048						7,7415	1.276,887	-0,161
14	-7,9550	1.276,698	-0,303					-7,5000	1.277,001	-6,0000	1.277,076	-3,5000	1.277,201	-2,00	1.277,117	1.277,271	-0,154	3,5000	1.277,201	-2,00	6,0000	1.277,076	7,5000	1.277,001						7,8737	1.276,752	-0,249
14+20,000	-7,8156	1.276,727	-0,210					-7,5000	1.276,937	-6,0000	1.277,012	-3,5000	1.277,137	-2,00	1.277,213	1.277,207	0,006	3,5000	1.277,137	-2,00	6,0000	1.277,012	7,5000	1.276,937						7,7049	1.276,800	-0,137
14+40,000	-7,6044	1.276,784	-0,070					-7,5000	1.276,854	-6,0000	1.276,929	-3,5000	1.277,054	-2,00	1.277,219	1.277,124	0,095	3,5000	1.277,054	-2,00	6,0000	1.276,929	7,5000	1.276,854						7,6188	1.276,775	-0,079
14+60,000	-7,5108	1.276,746	-0,007					-7,5000	1.276,753	-6,0000	1.276,828	-3,5000	1.276,953	-2,00	1.277,076	1.277,023	0,053	3,5000	1.276,953	-2,00	6,0000	1.276,828	7,5000	1.276,753						7,5006	1.276,753	0,000
14+80,000	-7,8573	1.276,396	-0,238					-7,5000	1.276,634	-6,0000	1.276,709	-3,5000	1.276,834	-2,00	1.276,869	1.276,904	-0,035	3,5000	1.276,834	-2,00	6,0000	1.276,709	7,5000	1.276,634						7,5542	1.276,688	0,054
14+100,000	-7,8717	1.276,249	-0,248					-7,5000	1.276,497	-6,0000	1.276,572	-3,5000	1.276,697	-2,00	1.276,717	1.276,767	-0,050	3,5000	1.276,697	-2,00	6,0000	1.276,572	7,5000	1.276,497						7,5142	1.276,511	0,014
14+120,000	-7,6025	1.276,273	-0,068					-7,5000	1.276,341	-6,0000	1.276,416	-3,5000	1.276,541	-2,00	1.276,671	1.276,611	0,060	3,5000	1.276,541	-2,00	6,0000	1.276,416	7,5000	1.276,341						7,6915	1.276,213	-0,128
14+140,000	-7,6320	1.276,080	-0,088					-7,5000	1.276,168	-6,0000	1.276,243	-3,5000	1.276,368	-2,00	1.276,398	1.276,438	-0,040	3,5000	1.276,368	-2,00	6,0000	1.276,243	7,5000	1.276,168						7,5233	1.276,191	0,023
14+160,000	-7,6037	1.275,908	-0,069					-7,5000	1.275,977	-6,0000	1.276,052	-3,5000	1.276,177	-2,00	1.276,233	1.276,247	-0,014	3,5000	1.276,177	-2,00	6,0000	1.276,052	7,5000	1.275,977						7,5800	1.276,057	0,080
14+180,000	-7,6921	1.275,639	-0,128					-7,5000	1.275,767	-6,0000	1.275,842	-3,5000	1.275,967	-2,00	1.275,999	1.276,037	-0,038	3,5000	1.275,967	-2,00	6,0000	1.275,842	7,5000	1.275,767						7,5279	1.275,748	-0,019
14+181,771	-7,8202	1.275,610	-0,213					-7,5000	1.275,823	-6,0000	1.275,898	-3,5000	1.275,948	-2,00	1.275,975	1.276,018	-0,043	3,5000	1.275,948	-2,00			7,5000	1.275,748						7,5419	1.275,720	-0,028
14+200,000	-7,8251	1.275,398	-0,217					-7,5000	1.275,615	-6,0000	1.275,690	-3,5000	1.275,740	-2,00	1.275,777	1.275,810	-0,033	3,5000	1.275,740	-2,00			7,5000	1.275,540						7,6800	1.275,420	-0,120
14+219,271	-7,9026	1.275,110	-0,268					-7,5000	1.275,378	-6,0000	1.275,453	-3,5000	1.275,503	-2,00	1.275,549	1.275,573	-0,024	3,5000	1.275,503	-2,00			7,5000	1.275,303						7,8034	1.275,101	-0,202
14+220,000	-7,9633	1.275,092	-0,276					-7,5486	1.275,368	-6,0486	1.275,443	-3,5000	1.275,494	-2,00	1.275,539	1.275,564	-0,025	3,5000	1.275,494	-2,00			7,5000	1.275,294						7,8079	1.275,089	-0,205
14+240,000	-9,2118	1.274,858	-0,220					-8,8819	1.275,078	-7,3819	1.275,153	-3,5000	1.275,230	-2,00	1.275,238	1.275,300	-0,062	3,5000	1.275,230	-2,00			7,5000	1.275,030						7,8773	1.274,778	-0,252
14+241,771	-9,2768	1.274,866	-0,185					-9,0000	1.275,051	-7,5000	1.275,126	-3,5000	1.275,206	-2,00	1.275,203	1.275,276	-0,073	3,5000	1.275,206	-2,00	6,0000	1.275,081	7,5000	1.275,006						7,8792	1.274,753	-0,253
14+260,000	-9,4345	1.274,928	0,434					-9,0000	1.274,494	-7,5000	1.274,869	-3,5000	1.274,949	-2,00	1.274,884	1.275,019	-0,135	3,5000	1.274,949	-2,00	6,0000	1.274,824	7,5000	1.274,749						7,7971	1.274,551	-0,198
14+271,771	-9,5237	1.274,270	-0,349					-9,0000	1.274,619	-7,5000	1.274,694	-3,5000	1.274,774	-2,00	1.274,704	1.274,844	-0,140	3,5000	1.274,774	-2,00	6,0000	1.274,649	7,5000	1.274,574						7,7714	1.274,393	-0,181
14+280,000	-9,0292	1.274,120	-0,385					-8,4514	1.274,505	-6,9514	1.274,580	-3,5000	1.274,649	-2,00	1.274,551	1.274,719	-0,168	3,5000	1.274,649	-2,00	6,0000	1.274,524	7,5000	1.274,449						7,7818	1.274,261	-0,188
14+294,271	-7,9419	1.274,004	-0,295					-7,5000	1.274,299	-6,0000	1.274,374	-3,5000	1.274,424	-2,00	1.274,289	1.274,494	-0,205	3,5000	1.274,424	-2,00			7,5000	1.274,224						7,8156	1.274,014	-0,210
14+300,000	-8,0376	1.273,848	-0,358					-7,5000	1.274,206	-6,0000	1.274,281	-3,5000	1.274,331	-2,00	1.274,202	1.274,401	-0,199	3,5000	1.274,331	-2,00			7,5000	1.274,131						7,8840	1.273,875	-0,256
14+320,000	-8,3270	1.273,319	-0,551					-7,5000	1.273,870	-6,0000	1.273,945	-3,5000	1.273,995	-2,00	1.273,846	1.274,065	-0,219	3,5000	1.273,995	-2,00			7,5000	1.273,795						8,0802	1.273,408	-0,387
14+331,771	-8,2796	1.273,143	-0,520					-7,5000	1.273,663	-6,0000	1.273,738	-3,5000	1.273,788	-2,00	1.273,599	1.273,858	-0,259	3,5000	1.273,788	-2,00			7,5000	1.273,588						8,0498	1.273,221	-0,367



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA

DF-220-NS-R01



ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO													
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET		
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT	
14+340,000	-8,1961	1.272,977	-0,464					-7,5000	1.273,441	-6,0000	1.273,516	-3,5000	1.273,641	-2,00	1.273,401	1.273,711	-0,310	3,5000	1.273,641	-2,00	6,0000	1.273,516	7,5000	1.273,441					8,0287	1.273,089	-0,352
14+360,000	-8,2340	1.272,579	-0,489					-7,5000	1.273,068	-6,0000	1.273,143	-3,5000	1.273,268	-2,00	1.272,923	1.273,338	-0,415	3,5000	1.273,268	-2,00	6,0000	1.273,143	7,5000	1.273,068					7,9896	1.272,742	-0,326
14+380,000	-7,6977	1.272,546	-0,132					-7,5000	1.272,678	-6,0000	1.272,753	-3,5000	1.272,878	-2,00	1.272,655	1.272,948	-0,293	3,5000	1.272,878	-2,00	6,0000	1.272,753	7,5000	1.272,678					7,5024	1.272,676	-0,002
14+400,000	-7,5867	1.272,221	-0,058					-7,5000	1.272,279	-6,0000	1.272,354	-3,5000	1.272,479	-2,00	1.272,303	1.272,549	-0,246	3,5000	1.272,479	-2,00	6,0000	1.272,354	7,5000	1.272,279					7,5455	1.272,249	-0,030
14+420,000	-7,8144	1.271,893	0,314					-7,5000	1.271,579	-6,0000	1.271,954	-3,5000	1.272,079	-2,00	1.271,939	1.272,149	-0,210	3,5000	1.272,079	-2,00	6,0000	1.271,954	7,5000	1.271,879					7,6035	1.271,810	-0,069
14+440,000	-7,8174	1.271,497	0,317					-7,5000	1.271,180	-6,0000	1.271,555	-3,5000	1.271,680	-2,00	1.271,564	1.271,750	-0,186	3,5000	1.271,680	-2,00	6,0000	1.271,555	7,5000	1.271,480					7,5611	1.271,439	-0,041
14+460,000	-7,8710	1.271,152	0,371					-7,5000	1.270,781	-6,0000	1.271,156	-3,5000	1.271,281	-2,00	1.271,159	1.271,351	-0,192	3,5000	1.271,281	-2,00	6,0000	1.271,156	7,5000	1.271,081					7,5363	1.271,057	-0,024
14+480,000	-7,5528	1.270,646	-0,035					-7,5000	1.270,681	-6,0000	1.270,756	-3,5000	1.270,881	-2,00	1.270,728	1.270,951	-0,223	3,5000	1.270,881	-2,00	6,0000	1.270,756	7,5000	1.270,681					7,5145	1.270,696	0,015
14+500,000	-7,5710	1.270,235	-0,047					-7,5000	1.270,282	-6,0000	1.270,357	-3,5000	1.270,482	-2,00	1.270,357	1.270,552	-0,195	3,5000	1.270,482	-2,00	6,0000	1.270,357	7,5000	1.270,282					7,5377	1.270,257	-0,025
14+520,000	-7,7966	1.269,880	0,297					-7,5000	1.269,583	-6,0000	1.269,958	-3,5000	1.270,083	-2,00	1.270,050	1.270,153	-0,103	3,5000	1.270,083	-2,00	6,0000	1.269,958	7,5000	1.269,883					7,7819	1.269,695	-0,188
14+540,000	-7,7184	1.269,401	0,218					-7,5000	1.269,183	-6,0000	1.269,558	-3,5000	1.269,683	-2,00	1.269,587	1.269,753	-0,166	3,5000	1.269,683	-2,00	6,0000	1.269,558	7,5000	1.269,183					7,8654	1.269,548	0,365
14+560,000	-7,9269	1.269,211	0,427					-7,5000	1.268,784	-6,0000	1.269,159	-3,5000	1.269,284	-2,00	1.269,125	1.269,354	-0,229	3,5000	1.269,284	-2,00	6,0000	1.269,159	7,5000	1.268,784					7,8265	1.269,111	0,327
14+580,000	-7,8774	1.268,762	0,377					-7,5000	1.268,385	-6,0000	1.268,760	-3,5000	1.268,885	-2,00	1.268,831	1.268,955	-0,124	3,5000	1.268,885	-2,00	6,0000	1.268,760	7,5000	1.268,385					7,7864	1.268,671	0,286
14+600,000	-7,5048	1.268,290	0,005					-7,5000	1.268,285	-6,0000	1.268,360	-3,5000	1.268,485	-2,00	1.268,386	1.268,555	-0,169	3,5000	1.268,485	-2,00	6,0000	1.268,360	7,5000	1.268,285					7,7643	1.268,109	-0,176
14+620,000	-7,5515	1.267,852	-0,034					-7,5000	1.267,886	-6,0000	1.267,961	-3,5000	1.268,086	-2,00	1.267,850	1.268,156	-0,306	3,5000	1.268,086	-2,00	6,0000	1.267,961	7,5000	1.267,886					7,5862	1.267,829	-0,057
14+640,000	-7,7510	1.267,319	-0,167					-7,5000	1.267,486	-6,0000	1.267,561	-3,5000	1.267,686	-2,00	1.267,443	1.267,756	-0,313	3,5000	1.267,686	-2,00	6,0000	1.267,561	7,5000	1.267,486					7,6954	1.267,356	-0,130
14+660,000	-7,8924	1.266,825	-0,262					-7,5000	1.267,087	-6,0000	1.267,162	-3,5000	1.267,287	-2,00	1.267,037	1.267,357	-0,320	3,5000	1.267,287	-2,00	6,0000	1.267,162	7,5000	1.267,087					7,6276	1.267,002	-0,085
14+680,000	-7,8499	1.266,455	-0,233					-7,5000	1.266,688	-6,0000	1.266,763	-3,5000	1.266,888	-2,00	1.266,611	1.266,958	-0,347	3,5000	1.266,888	-2,00	6,0000	1.266,763	7,5000	1.266,688					7,9055	1.266,418	-0,270
14+700,000	-7,8433	1.266,059	-0,229					-7,5000	1.266,288	-6,0000	1.266,363	-3,5000	1.266,488	-2,00	1.266,196	1.266,558	-0,362	3,5000	1.266,488	-2,00	6,0000	1.266,363	7,5000	1.266,288					8,0220	1.265,940	-0,348
14+720,000	-7,7907	1.265,695	-0,194					-7,5000	1.265,889	-6,0000	1.265,964	-3,5000	1.266,089	-2,00	1.265,793	1.266,159	-0,366	3,5000	1.266,089	-2,00	6,0000	1.265,964	7,5000	1.265,889					7,9812	1.265,568	-0,321
14+740,000	-7,5205	1.265,510	0,020					-7,5000	1.265,490	-6,0000	1.265,565	-3,5000	1.265,690	-2,00	1.265,394	1.265,760	-0,366	3,5000	1.265,690	-2,00	6,0000	1.265,565	7,5000	1.265,490					7,7065	1.265,352	-0,138
14+760,000	-7,5349	1.265,125	0,035					-7,5000	1.265,090	-6,0000	1.265,165	-3,5000	1.265,290	-2,00	1.265,016	1.265,360	-0,344	3,5000	1.265,290	-2,00	6,0000	1.265,165	7,5000	1.265,090					8,0680	1.264,711	-0,379
14+780,000	-7,5278	1.264,672	-0,019					-7,5000	1.264,691	-6,0000	1.264,766	-3,5000	1.264,891	-2,00	1.264,650	1.264,961	-0,311	3,5000	1.264,891	-2,00	6,0000	1.264,766	7,5000	1.264,691					7,8456	1.264,461	-0,230
14+800,000	-7,9251	1.264,009	-0,283					-7,5000	1.264,292	-6,0000	1.264,367	-3,5000	1.264,492	-2,00	1.264,259	1.264,562	-0,303	3,5000	1.264,492	-2,00	6,0000	1.264,367	7,5000	1.264,292					7,8398	1.264,065	-0,227
14+820,000	-8,0986	1.263,493	-0,399					-7,5000	1.263,892	-6,0000	1.263,967	-3,5000	1.264,092	-2,00	1.263,783	1.264,162	-0,379	3,5000	1.264,092	-2,00	6,0000	1.263,967	7,5000	1.263,892					7,6331	1.263,803	-0,089
14+840,000	-7,8968	1.263,228	-0,265					-7,5000	1.263,493	-6,0000	1.263,568	-3,5000	1.263,693	-2,00	1.263,269	1.263,763	-0,494	3,5000	1.263,693	-2,00	6,0000	1.263,568	7,5000	1.263,493					7,6437	1.263,397	-0,096
14+860,000	-7,6384	1.263,002	-0,092					-7,5000	1.263,094	-6,0000	1.263,169	-3,5000	1.263,294	-2,00	1.262,956	1.263,364	-0,408	3,5000	1.263,294	-2,00	6,0000	1.263,169	7,5000	1.263,094					7,5634	1.263,157	0,063
14+880,000	-7,8786	1.262,442	-0,252					-7,5000	1.262,694	-6,0000	1.262,769	-3,5000	1.262,894	-2,00	1.262,625	1.262,964	-0,339	3,5000	1.262,894	-2,00	6,0000	1.262,769	7,5000	1.262,694					7,6611	1.262,587	-0,107
14+900,000	-8,8571	1.261,390	-0,905					-7,5000	1.262,295	-6,0000	1.262,370	-3,5000	1.262,495	-2,00	1.262,265	1.262,565	-0,300	3,5000	1.262,495	-2,00	6,0000	1.262,370	7,5000	1.262,295					7,7335	1.262,139	-0,156
14+920,000	-8,2743	1.261,380	-0,516					-7,5000	1.261,896	-6,0000	1.261,971	-3,5000	1.262,096	-2,00	1.261,886	1.262,166	-0,280	3,5000	1.262,096	-2,00	6,0000	1.261,971	7,5000	1.261,896					7,9073	1.261,624	-0,272
14+940,000	-7,9119	1.261,221	-0,275					-7,5000	1.261,496	-6,0000	1.261,571	-3,5000	1.261,696	-2,00	1.261,431	1.261,766	-0,335	3,5000	1.261,696	-2,00	6,0000	1.261,571	7,5000	1.261,496					7,8050	1.261,293	-0,203



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA

DF-220-NS-R01



ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO														
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
14+960,000	-7,6498	1.261,035	-0,100					-7,5000	1.261,135	-6,0000	1.261,210	-3,5000	1.261,335	-2,00	1.261,084	1.261,405	-0,321	3,5000	1.261,335	-2,00	6,0000	1.261,210	7,5000	1.261,135						7,7592	1.260,962	-0,173
14+980,000	-7,8794	1.260,598	-0,253					-7,5000	1.260,851	-6,0000	1.260,926	-3,5000	1.261,051	-2,00	1.260,831	1.261,121	-0,290	3,5000	1.261,051	-2,00	6,0000	1.260,926	7,5000	1.260,851						8,2884	1.260,325	-0,526
15	-7,8978	1.260,378	-0,265					-7,5000	1.260,643	-6,0000	1.260,718	-3,5000	1.260,843	-2,00	1.260,679	1.260,913	-0,234	3,5000	1.260,843	-2,00	6,0000	1.260,718	7,5000	1.260,643						8,9075	1.259,705	-0,938
15+20,000	-8,1888	1.260,053	-0,459					-7,5000	1.260,512	-6,0000	1.260,587	-3,5000	1.260,712	-2,00	1.260,506	1.260,782	-0,276	3,5000	1.260,712	-2,00	6,0000	1.260,587	7,5000	1.260,512						11,2704	1.257,998	-2,514
15+40,000	-8,5144	1.259,781	-0,676					-7,5000	1.260,457	-6,0000	1.260,532	-3,5000	1.260,657	-2,00	1.260,466	1.260,727	-0,261	3,5000	1.260,657	-2,00	6,0000	1.260,532	7,5000	1.260,457						11,6398	1.257,697	-2,760
15+60,000	-9,2418	1.259,318	-1,161					-7,5000	1.260,479	-6,0000	1.260,554	-3,5000	1.260,679	-2,00	1.260,495	1.260,749	-0,254	3,5000	1.260,679	-2,00	6,0000	1.260,554	7,5000	1.260,479						8,6032	1.259,744	-0,735
15+80,000	-8,5781	1.259,859	-0,719					-7,5000	1.260,578	-6,0000	1.260,653	-3,5000	1.260,778	-2,00	1.260,651	1.260,848	-0,197	3,5000	1.260,778	-2,00	6,0000	1.260,653	7,5000	1.260,578						12,8992	1.256,979	-3,599
15+100,000	-8,3753	1.260,169	-0,584					-7,5000	1.260,753	-6,0000	1.260,828	-3,5000	1.260,953	-2,00	1.260,885	1.261,023	-0,138	3,5000	1.260,953	-2,00	6,0000	1.260,828	7,5000	1.260,753						11,3046	1.258,217	-2,536
15+120,000	-7,7915	1.260,811	-0,194					-7,5000	1.261,005	-6,0000	1.261,080	-3,5000	1.261,205	-2,00	1.261,191	1.261,275	-0,084	3,5000	1.261,205	-2,00	6,0000	1.261,080	7,5000	1.261,005						10,4396	1.259,045	-1,960
15+140,000	-7,5261	1.261,360	0,026					-7,5000	1.261,334	-6,0000	1.261,409	-3,5000	1.261,534	-2,00	1.261,467	1.261,604	-0,137	3,5000	1.261,534	-2,00	6,0000	1.261,409	7,5000	1.261,334						7,5777	1.261,282	-0,052
15+160,000	-7,5269	1.261,766	0,027					-7,5000	1.261,739	-6,0000	1.261,814	-3,5000	1.261,939	-2,00	1.261,939	1.262,009	-0,070	3,5000	1.261,939	-2,00	6,0000	1.261,814	7,5000	1.261,739						7,7007	1.261,605	-0,134
15+180,000	-7,6260	1.262,137	-0,084					-7,5000	1.262,221	-6,0000	1.262,296	-3,5000	1.262,421	-2,00	1.262,436	1.262,491	-0,055	3,5000	1.262,421	-2,00	6,0000	1.262,296	7,5000	1.262,221						7,5331	1.262,254	0,033
15+200,000	-7,6387	1.262,649	-0,092					-7,5000	1.262,741	-6,0000	1.262,816	-3,5000	1.262,941	-2,00	1.262,952	1.263,011	-0,059	3,5000	1.262,941	-2,00	6,0000	1.262,816	7,5000	1.262,741						7,7651	1.262,564	-0,177
15+220,000	-7,5610	1.263,322	0,061					-7,5000	1.263,261	-6,0000	1.263,336	-3,5000	1.263,461	-2,00	1.263,508	1.263,531	-0,023	3,5000	1.263,461	-2,00	6,0000	1.263,336	7,5000	1.263,261						7,7356	1.263,104	-0,157
15+240,000	-7,5730	1.263,854	0,073					-7,5000	1.263,781	-6,0000	1.263,856	-3,5000	1.263,981	-2,00	1.264,049	1.264,051	-0,002	3,5000	1.263,981	-2,00	6,0000	1.263,856	7,5000	1.263,781						7,7363	1.263,623	-0,158
15+260,000	-7,5266	1.264,328	0,027					-7,5000	1.264,301	-6,0000	1.264,376	-3,5000	1.264,501	-2,00	1.264,620	1.264,571	0,049	3,5000	1.264,501	-2,00	6,0000	1.264,376	7,5000	1.264,301						7,5197	1.264,321	0,020
15+280,000	-7,7012	1.264,688	-0,134					-7,5000	1.264,822	-6,0000	1.264,897	-3,5000	1.265,022	-2,00	1.265,141	1.265,092	0,049	3,5000	1.265,022	-2,00	6,0000	1.264,897	7,5000	1.264,822						7,5410	1.264,795	-0,027
15+300,000	-7,7355	1.265,185	-0,157					-7,5000	1.265,342	-6,0000	1.265,417	-3,5000	1.265,542	-2,00	1.265,594	1.265,612	-0,018	3,5000	1.265,542	-2,00	6,0000	1.265,417	7,5000	1.265,342						7,5775	1.265,290	-0,052
15+320,000	-7,5758	1.265,811	-0,051					-7,5000	1.265,862	-6,0000	1.265,937	-3,5000	1.266,062	-2,00	1.266,037	1.266,132	-0,095	3,5000	1.266,062	-2,00	6,0000	1.265,937	7,5000	1.265,862						7,5006	1.265,863	0,001
15+340,000	-7,7687	1.266,203	-0,179					-7,5000	1.266,382	-6,0000	1.266,457	-3,5000	1.266,582	-2,00	1.266,525	1.266,652	-0,127	3,5000	1.266,582	-2,00	6,0000	1.266,457	7,5000	1.266,382						7,6190	1.266,303	-0,079
15+360,000	-8,2102	1.266,429	-0,473					-7,5000	1.266,902	-6,0000	1.266,977	-3,5000	1.267,102	-2,00	1.267,079	1.267,172	-0,093	3,5000	1.267,102	-2,00	6,0000	1.266,977	7,5000	1.266,902						7,8662	1.266,968	0,366
15+380,000	-7,9752	1.267,105	-0,317					-7,5000	1.267,422	-6,0000	1.267,497	-3,5000	1.267,622	-2,00	1.267,594	1.267,692	-0,098	3,5000	1.267,622	-2,00	6,0000	1.267,497	7,5000	1.267,422						7,9460	1.267,568	0,446
15+400,000	-7,7982	1.267,743	-0,199					-7,5000	1.267,942	-6,0000	1.268,017	-3,5000	1.268,142	-2,00	1.268,119	1.268,212	-0,093	3,5000	1.268,142	-2,00	6,0000	1.268,017	7,5000	1.267,942						7,9923	1.268,134	0,492
15+420,000	-7,5595	1.268,523	0,060					-7,5000	1.268,463	-6,0000	1.268,538	-3,5000	1.268,663	-2,00	1.268,618	1.268,733	-0,115	3,5000	1.268,663	-2,00	6,0000	1.268,538	7,5000	1.268,463						8,0270	1.268,690	0,527
15+440,000	-8,6329	1.268,228	-0,755					-7,5000	1.268,983	-6,0000	1.269,058	-3,5000	1.269,183	-2,00	1.269,113	1.269,253	-0,140	3,5000	1.269,183	-2,00	6,0000	1.269,058	7,5000	1.268,983						7,6382	1.269,121	0,138
15+460,000	-7,5448	1.269,548	0,045					-7,5000	1.269,503	-6,0000	1.269,578	-3,5000	1.269,703	-2,00	1.269,683	1.269,773	-0,090	3,5000	1.269,703	-2,00	6,0000	1.269,578	7,5000	1.269,503						7,5557	1.269,559	0,056
15+480,000	-7,6667	1.269,912	-0,111					-7,5000	1.270,023	-6,0000	1.270,098	-3,5000	1.270,223	-2,00	1.270,214	1.270,293	-0,079	3,5000	1.270,223	-2,00	6,0000	1.270,098	7,5000	1.270,023						7,5611	1.269,982	-0,041
15+500,000	-7,5037	1.270,547	0,004					-7,5000	1.270,543	-6,0000	1.270,618	-3,5000	1.270,743	-2,00	1.270,731	1.270,813	-0,082	3,5000	1.270,743	-2,00	6,0000	1.270,618	7,5000	1.270,543						7,5523	1.270,508	-0,035
15+520,000	-7,8657	1.271,129	0,366					-7,5000	1.270,763	-6,0000	1.271,138	-3,5000	1.271,263	-2,00	1.271,295	1.271,333	-0,038	3,5000	1.271,263	-2,00	6,0000	1.271,138	7,5000	1.271,063						7,5197	1.271,050	-0,013
15+540,000	-7,8221	1.271,605	0,322					-7,5000	1.271,283	-6,0000	1.271,658	-3,5000	1.271,783	-2,00	1.271,798	1.271,853	-0,055	3,5000	1.271,783	-2,00	6,0000	1.271,658	7,5000	1.271,583						7,5521	1.271,548	-0,035
15+560,000	-7,8679	1.272,171	0,368					-7,5000	1.271,803	-6,0000	1.272,178	-3,5000	1.272,303	-2,00	1.272,326	1.272,373	-0,047	3,5000	1.272,303	-2,00	6,0000	1.272,178	7,5000	1.271,803						7,8795	1.272,183	0,380



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DF-220-NS-R01

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO													
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET		
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT	
15+580,000	-7,5664	1.272,567	-0,044					-7,5000	1.272,611	-6,0000	1.272,686	-3,5000	1.272,811	-2,00	1.272,767	1.272,881	-0,114	3,5000	1.272,811	-2,00	6,0000	1.272,686	7,5000	1.272,611					7,5623	1.272,569	-0,042
15+600,000	-7,8631	1.272,850	-0,242					-7,5000	1.273,092	-6,0000	1.273,167	-3,5000	1.273,292	-2,00	1.273,204	1.273,362	-0,158	3,5000	1.273,292	-2,00	6,0000	1.273,167	7,5000	1.273,092					7,7115	1.272,951	-0,141
15+620,000	-7,7126	1.273,406	-0,142					-7,5000	1.273,548	-6,0000	1.273,623	-3,5000	1.273,748	-2,00	1.273,627	1.273,818	-0,191	3,5000	1.273,748	-2,00	6,0000	1.273,623	7,5000	1.273,548					7,7682	1.273,369	-0,179
15+640,000	-7,7362	1.273,821	-0,157					-7,5000	1.273,978	-6,0000	1.274,053	-3,5000	1.274,178	-2,00	1.274,018	1.274,248	-0,230	3,5000	1.274,178	-2,00	6,0000	1.274,053	7,5000	1.273,978					7,9002	1.273,711	-0,267
15+660,000	-7,8175	1.274,170	-0,212					-7,5000	1.274,382	-6,0000	1.274,457	-3,5000	1.274,582	-2,00	1.274,383	1.274,652	-0,269	3,5000	1.274,582	-2,00	6,0000	1.274,457	7,5000	1.274,382					7,8083	1.274,176	-0,206
15+680,000	-8,0715	1.274,380	-0,381					-7,5000	1.274,761	-6,0000	1.274,836	-3,5000	1.274,961	-2,00	1.274,730	1.275,031	-0,301	3,5000	1.274,961	-2,00	6,0000	1.274,836	7,5000	1.274,761					7,9284	1.274,475	-0,286
15+700,000	-8,0629	1.274,739	-0,375					-7,5000	1.275,114	-6,0000	1.275,189	-3,5000	1.275,314	-2,00	1.275,112	1.275,384	-0,272	3,5000	1.275,314	-2,00	6,0000	1.275,189	7,5000	1.275,114					7,8265	1.274,896	-0,218
15+720,000	-8,0095	1.275,101	-0,340					-7,5000	1.275,441	-6,0000	1.275,516	-3,5000	1.275,641	-2,00	1.275,303	1.275,711	-0,408	3,5000	1.275,641	-2,00	6,0000	1.275,516	7,5000	1.275,441					7,9353	1.275,151	-0,290
15+740,000	-7,6890	1.275,617	-0,126					-7,5000	1.275,743	-6,0000	1.275,818	-3,5000	1.275,943	-2,00	1.275,766	1.276,013	-0,247	3,5000	1.275,943	-2,00	6,0000	1.275,818	7,5000	1.275,743					7,9594	1.275,437	-0,306
15+760,000	-7,8222	1.275,803	-0,215					-7,5000	1.276,018	-6,0000	1.276,093	-3,5000	1.276,218	-2,00	1.276,004	1.276,288	-0,284	3,5000	1.276,218	-2,00	6,0000	1.276,093	7,5000	1.276,018					7,5152	1.276,008	-0,010
15+775,199	-7,9307	1.275,931	-0,287					-7,5000	1.276,218	-6,0000	1.276,293	-3,5000	1.276,418	-2,00	1.276,157	1.276,488	-0,331	3,5000	1.276,418	-2,00	6,0000	1.276,293	7,5000	1.275,918					7,8393	1.276,257	0,339

3.2.2 – Dispositivo Km 0 (Entr. DF-180/DF-220)



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA

DISP KM 0-RAMO 1-NS



ESTACA	LADO ESQUERDO												EIXO			LADO DIREITO																
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
0	-6,4967	1.125,251	-0,331					-6,0000	1.125,582			-4,5000	1.125,657	-2,00	1.125,756	1.125,747	0,009	0,0000	1.125,747											0,0000	1.125,756	0,009
0+20.000	-7,0801	1.125,092	-0,720					-6,0000	1.125,812			-4,5000	1.125,887	-2,00	1.125,499	1.125,977	-0,478	4,4230	1.126,066	2,00										4,4230	1.125,666	-0,400
0+24.870	-7,3743	1.124,977	-0,916					-6,0000	1.125,893			-4,5000	1.125,968	-2,00	1.125,394	1.126,058	-0,664	5,5000	1.126,168	2,00										5,5000	1.125,589	-0,579
0+27.280	-7,5286	1.124,911	-1,019					-6,0000	1.125,930			-4,5000	1.126,005	-2,00	1.125,365	1.126,095	-0,730	5,3917	1.126,203	2,00				6,8917	1.126,128					7,6868	1.125,598	-0,530
0+40.000	-7,0687	1.125,219	-0,712					-6,0000	1.125,931			-4,5000	1.126,006	-2,00	1.125,516	1.126,096	-0,580	4,8200	1.126,192	2,00				6,3200	1.126,117					6,7116	1.125,856	-0,261
0+47.120	-6,5261	1.125,440	-0,351					-6,0000	1.125,791			-4,5000	1.125,866	-2,00	1.125,664	1.125,956	-0,292	4,5000	1.126,046	2,00				6,0000	1.125,971					6,2203	1.125,824	-0,147
0+52.648	-6,4818	1.125,297	-0,321					-6,0000	1.125,618			-4,5000	1.125,693	-2,00	1.125,397	1.125,783	-0,386	4,5000	1.125,873	2,00				6,0000	1.125,798					7,6963	1.124,667	-1,131
0+57.358	-6,6069	1.125,058	-0,405					-6,0000	1.125,463			-4,5000	1.125,538	-2,00	1.124,359	1.125,628	-1,269	4,5000	1.125,718	2,00										4,5000	1.124,410	-1,308
0+60.000	-7,2277	1.124,558	-0,818					-6,0000	1.125,376			-4,5000	1.125,451	-2,00	1.124,226	1.125,541	-1,315	3,9774	1.125,611	1,77										3,9774	1.124,207	-1,404
0+80.000	-8,3990	1.123,116	-1,599					-6,0000	1.124,715			-4,5000	1.124,790	-2,00	1.122,791	1.124,880	-2,089	0,0214	1.124,880	0,01										0,0214	1.122,790	-2,090
0+80.108	-8,4018	1.123,110	-1,601					-6,0000	1.124,711			-4,5000	1.124,786	-2,00	1.122,784	1.124,876	-2,092	0,0000	1.124,876											0,0000	1.122,784	-2,092
0+80.109	-8,4018	1.123,110	-1,601					-6,0000	1.124,711			-4,5000	1.124,786	-2,00	1.122,784	1.124,876	-2,092	4,5000	1.124,876	0,00	7,0000	1.124,751	8,5000	1.124,676						11,2209	1.122,862	-1,814
0+100.000	-8,4744	1.122,404	-1,650					-6,0000	1.124,054			-4,5000	1.124,129	-2,00	1.120,575	1.124,219	-3,644	4,5000	1.124,307	1,96	7,0000	1.124,182	8,5000	1.124,107						11,4582	1.122,135	-1,972
0+100.450	-8,4713	1.122,391	-1,648					-6,0000	1.124,039			-4,5000	1.124,114	-2,00	1.120,564	1.124,204	-3,640	4,5000	1.124,294	2,00	7,0000	1.124,169	8,5000	1.124,094						11,4722	1.122,113	-1,981
0+120.000	-8,0831	1.122,004	-1,389					-6,0000	1.123,393			-4,5000	1.123,468	-2,00	1.121,376	1.123,558	-2,182	4,5000	1.123,562	0,08	7,0000	1.123,437	8,5000	1.123,362						13,1022	1.120,294	-3,068
0+120.791	-8,0580	1.121,995	-1,372					-6,0000	1.123,367			-4,5000	1.123,442	-2,00	1.121,515	1.123,532	-2,017	4,5000	1.123,532	0,00	7,0000	1.123,407	8,5000	1.123,332						13,0810	1.120,278	-3,054
0+120.792	-8,0580	1.121,995	-1,372					-6,0000	1.123,367			-4,5000	1.123,442	-2,00	1.121,515	1.123,532	-2,017	0,0000	1.123,532											0,0000	1.121,515	-2,017
0+140.000	-7,1711	1.121,954	-0,781					-6,0000	1.122,735			-4,5000	1.122,810	-2,00	1.121,541	1.122,900	-1,359	3,9107	1.122,956	1,42										3,9107	1.121,269	-1,687
0+147.806	-6,5122	1.122,751	0,512					-6,0000	1.122,239			-4,5000	1.122,614	-2,00	1.122,057	1.122,704	-0,647	5,5000	1.122,814	2,00										5,5000	1.121,304	-1,510
0+150.450	-6,5802	1.122,772	0,580					-6,0000	1.122,192			-4,5000	1.122,567	-2,00	1.122,432	1.122,657	-0,225	5,3812	1.122,765	2,00				6,8812	1.122,690					9,0651	1.121,234	-1,456
0+160.000	-6,4278	1.122,534	0,428					-6,0000	1.122,106			-4,5000	1.122,481	-2,00	1.122,372	1.122,571	-0,199	4,9520	1.122,670	2,00				6,4520	1.122,595					7,1190	1.122,150	-0,445
0+170.056	-6,2916	1.122,262	-0,194					-6,0000	1.122,456			-4,5000	1.122,531	-2,00	1.122,071	1.122,621	-0,550	4,5000	1.122,711	2,00				6,0000	1.122,636					7,1784	1.121,850	-0,786
0+178.395	-6,2767	1.122,421	-0,184					-6,0000	1.122,605			-4,5000	1.122,680	-2,00	1.122,256	1.122,770	-0,514	4,5000	1.122,860	2,00				6,0000	1.122,785					6,9638	1.122,142	-0,643
0+180.000	-6,3652	1.122,402	-0,243					-6,0000	1.122,645			-4,5000	1.122,720	-2,00	1.122,256	1.122,810	-0,554	4,5000	1.122,900	2,00				6,0000	1.122,825					6,8701	1.122,245	-0,580
0+182.846	-6,5284	1.122,373	-0,352					-6,0000	1.122,725			-4,5000	1.122,800	-2,00	1.122,332	1.122,890	-0,558	4,5000	1.122,980	2,00										4,5000	1.122,415	-0,565
0+200.000	-6,2452	1.123,270	-0,163					-6,0000	1.123,433			-4,5000	1.123,508	-2,00	1.123,251	1.123,598	-0,347	0,9277	1.123,616	2,00										0,9277	1.123,261	-0,355
0+204.455	-6,2634	1.123,468	-0,176					-6,0000	1.123,644			-4,5000	1.123,719	-2,00	1.123,442	1.123,809	-0,367	0,0000	1.123,809											0,0000	1.123,442	-0,367
0+220.000	-6,3299	1.124,083	-0,220					-6,0000	1.124,303			-4,5000	1.124,378	-2,00	1.124,143	1.124,468	-0,325	3,3714	1.124,536	2,00										3,3714	1.124,192	-0,344
0+229.815	-6,4172	1.124,441	-0,278					-6,0000	1.124,719			-4,5000	1.124,794	-2,00	1.124,572	1.124,884	-0,312	5,5000	1.124,994	2,00										5,5000	1.124,679	-0,315
0+232.278	-6,4530	1.124,516	-0,302					-6,0000	1.124,818			-4,5000	1.124,893	-2,00	1.124,661	1.124,983	-0,322	5,3893	1.125,091	2,00				6,8893	1.125,016					7,1768	1.124,824	-0,192
0+240.000	-6,5863	1.124,691	-0,391					-6,0000	1.125,082			-4,5000	1.125,157	-2,00	1.124,974	1.125,247	-0,273	5,0422	1.125,348	2,00				6,5422	1.125,273					6,7229	1.125,153	-0,120



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DISP KM 0-RAMO 1-NS

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO													
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET		
	DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT
0+252.065	-6,8508	1.124,784	-0,567					-6,0000	1.125,351			-4,5000	1.125,426	-2,00	1.125,081	1.125,516	-0,435	4,5000	1.125,606	2,00			6,0000	1.125,531					6,2617	1.125,357	-0,174
0+254.053	-6,7014	1.124,911	-0,468					-6,0000	1.125,379			-4,5000	1.125,454	-2,00	1.125,202	1.125,544	-0,342	4,5000	1.125,634	2,00			6,0000	1.125,559					6,1351	1.125,469	-0,090
0+258.411	-6,4051	1.125,153	-0,270					-6,0000	1.125,423			-4,5000	1.125,498	-2,00	1.125,163	1.125,588	-0,425	4,5000	1.125,678	2,00									4,5000	1.125,206	-0,472
0+260.000	-6,5096	1.125,095	-0,340					-6,0000	1.125,435			-4,5000	1.125,510	-2,00	1.125,084	1.125,600	-0,516	4,1626	1.125,683	2,00									4,1626	1.125,316	-0,367
0+279.602	-6,4967	1.125,251	-0,331					-6,0000	1.125,582			-4,5000	1.125,657	-2,00	1.125,756	1.125,747	0,009	0,0000	1.125,747										0,0000	1.125,756	0,009



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DISP KM 0-RAMO 2-NS

ESTACA	LADO ESQUERDO												EIXO			LADO DIREITO																		
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET					
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT				
0	-3,5000	1.127,894	0,056											-3,5000	1.127,838	2,00	1.127,744	1.127,768	-0,024	0,0000	1.127,768		2,5000	1.127,643	4,0000	1.127,268					4,5433	1.127,811	0,543	
0+20.000	-5,8930	1.127,144	-0,062											-5,8930	1.127,206	2,00	1.127,128	1.127,088	0,040	0,0000	1.127,088		2,5000	1.126,963	4,0000	1.126,588					4,4732	1.127,061	0,473	
0+35.882	-7,0865	1.126,717	0,027											-7,0865	1.126,690	2,00	1.126,654	1.126,548	0,106	0,0000	1.126,548		2,5000	1.126,423	4,0000	1.126,048					4,6778	1.126,726	0,678	
0+40.000	-7,3960	1.126,599	0,038											-7,3960	1.126,561	2,00	1.126,418	1.126,413	0,005	0,0000	1.126,413		2,5000	1.126,288	4,0000	1.125,913					4,6735	1.126,586	0,673	
0+41.384	-7,5000	1.126,560	0,040											-7,5000	1.126,520	2,00	1.126,327	1.126,370	-0,044	0,0000	1.126,370		2,5000	1.126,245	4,0000	1.125,870					4,6687	1.126,539	0,669	
0+44.606	-9,1948	1.126,379	0,332											-8,8631	1.126,047																	4,6494	1.126,424	0,649
0+60.000	-8,6573	1.125,668	-0,299											-8,2088	1.125,967																	4,7745	1.126,181	0,774
0+64.913	-8,7175	1.125,398	-0,478											-8,0000	1.125,876																	4,8790	1.126,200	0,879
0+77.026	-8,3693	1.125,480	-0,246											-8,0000	1.125,726																	5,1051	1.126,276	1,105
0+80.000	-8,5572	1.125,332	-0,371											-8,0000	1.125,703																	5,1407	1.126,289	1,141
0+81.658	-6,5000	1.125,224	-0,544											-6,5000	1.125,768	2,00	1.125,599	1.125,638	-0,039	0,0000	1.125,638		2,5000	1.125,513	4,0000	1.125,138					5,1598	1.126,298	1,160	
0+100.000	-4,7988	1.125,698	-0,034											-4,7988	1.125,732	2,00	1.126,084	1.125,636	0,448	0,0000	1.125,636		2,5000	1.125,511	4,0000	1.125,136					5,1004	1.126,236	1,100	
0+103.222	-4,5000	1.125,756	0,009											-4,5000	1.125,747	2,00	1.126,100	1.125,657	0,443	0,0000	1.125,657		2,5000	1.125,532	4,0000	1.125,157					4,9872	1.126,144	0,987	
0+120.000	-6,4764	1.125,657	-0,342											-6,4764	1.125,999	2,00	1.125,931	1.125,870	0,061	0,0000	1.125,870		2,5000	1.125,745	4,0000	1.125,370					4,7680	1.126,138	0,768	
0+128.689	-7,5000	1.125,672	-0,526											-7,5000	1.126,198	2,00	1.125,986	1.126,048	-0,062	0,0000	1.126,048		2,5000	1.125,923	4,0000	1.125,548					4,6505	1.126,199	0,651	
0+131.288	-9,7641	1.125,601	-0,583											-8,8895	1.126,184																	4,6110	1.126,222	0,611
0+140.000	-9,3524	1.125,861	-0,555											-8,5193	1.126,416																	4,4685	1.126,320	0,469
0+152.218	-8,4664	1.126,510	-0,311											-8,0000	1.126,821																	4,1323	1.126,478	-0,088
0+155.882	-8,3234	1.126,747	-0,216											-8,0000	1.126,963																	4,2884	1.126,516	-0,192
0+160.000	-8,2339	1.126,972	-0,156											-6,5000	1.127,128	2,00	1.126,581	1.127,073	-0,492	0,0000	1.127,073		2,5000	1.126,948	4,0000	1.126,873					4,4061	1.126,602	-0,271	
0+165.989	-8,1021	1.127,299	-0,068											-6,5000	1.127,442	2,00	1.126,805	1.127,312	-0,507	0,0000	1.127,312		2,5000	1.127,187	4,0000	1.127,112					4,4900	1.126,785	-0,327	
0+170.669	-6,5000	1.127,500	-0,129											-6,5000	1.127,629	2,00	1.126,974	1.127,499	-0,525	0,0000	1.127,499		2,5000	1.127,374	4,0000	1.127,299					4,5528	1.126,930	-0,369	
0+180.000	-5,7411	1.127,915	-0,073											-5,7411	1.127,988	2,00	1.127,677	1.127,873	-0,196	0,0000	1.127,873		2,5000	1.127,748	4,0000	1.127,673					4,6741	1.127,224	-0,449	
0+200.000	-4,1146	1.128,728	-0,027											-4,1146	1.128,755	2,00	1.128,630	1.128,673	-0,043	0,0000	1.128,673		2,5000	1.128,548	4,0000	1.128,473					4,7199	1.127,993	-0,480	
0+207.557	-3,5000	1.129,039	-0,006											-3,5000	1.129,045	2,00	1.128,941	1.128,975	-0,034	0,0000	1.128,975		2,5000	1.128,850	4,0000	1.128,775					4,6687	1.128,329	-0,446	



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DISP KM 0-RAMO 3-NS

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO																	
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET						
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT					
0	-3,5000	1.129,039	-0,006											-3,5000	1.129,045	2,00	1.128,955	1.128,975	-0,020	0,0000	1.128,975		2,5000	1.128,850	4,0000	1.128,775					4,1202	1.128,695	-0,080		
0+20,000	-5,6393	1.128,211	-0,077											-5,6393	1.128,288	2,00	1.128,139	1.128,175	-0,036	0,0000	1.128,175		2,5000	1.128,050	4,0000	1.127,975					5,4808	1.126,988	-0,987		
0+37,395	-7,5000	1.127,555	-0,074											-7,5000	1.127,629	2,00	1.127,400	1.127,479	-0,079	0,0000	1.127,479		2,5000	1.127,354	4,0000	1.127,279					5,3326	1.126,391	-0,888		
0+40,000	-7,3925	1.127,470	-0,053											-7,3925	1.127,523	2,00	1.127,285	1.127,375	-0,090	0,0000	1.127,375		2,5000	1.127,250	4,0000	1.127,175					5,3490	1.126,276	-0,899		
0+42,221	-8,8247	1.127,343	-0,016											-8,8008	1.127,359		-7,3008	1.127,434	2,00	1.127,031	1.127,288	-0,254	0,0000	1.127,288		2,5000	1.127,163	4,0000	1.127,088				5,3662	1.126,177	-0,911
0+60,000	-8,1705	1.126,598	-0,069											-8,0670	1.126,667		-6,5670	1.126,742	2,00	1.125,382	1.126,611	-1,229	0,0000	1.126,611		2,5000	1.126,486	4,0000	1.126,411				5,6695	1.125,298	-1,113
0+61,622	-8,1258	1.126,522	-0,084											-8,0000	1.126,606		-6,5000	1.126,681	2,00	1.125,308	1.126,551	-1,243	0,0000	1.126,551		2,5000	1.126,426	4,0000	1.126,351				5,7032	1.125,216	-1,135
0+80,000	-9,2462	1.125,125	-0,831											-8,0000	1.125,956		-6,5000	1.126,031	2,00	1.124,566	1.125,901	-1,335	0,0000	1.125,901		2,5000	1.125,776	4,0000	1.125,701				6,1217	1.124,287	-1,414
0+82,178	-9,5491	1.124,849	-1,033											-8,0000	1.125,882		-6,5000	1.125,957	2,00	1.124,434	1.125,827	-1,393	0,0000	1.125,827		2,5000	1.125,702	4,0000	1.125,627				6,2094	1.124,154	-1,473
0+87,341	-6,5000	1.124,402	-1,383											-6,5000	1.125,785	2,00	1.124,118	1.125,655	-1,537	0,0000	1.125,655		2,5000	1.125,530	4,0000	1.125,455					6,3634	1.123,879	-1,576		
0+100,000	-5,4257	1.123,540	-1,805											-5,4257	1.125,345	2,00	1.123,321	1.125,237	-1,916	0,0000	1.125,237		2,5000	1.125,112	4,0000	1.125,037					6,7234	1.123,221	-1,816		
0+110,908	-4,5000	1.122,784	-2,182											-4,5000	1.124,966	2,00	1.122,684	1.124,876	-2,192	0,0000	1.124,876		2,5000	1.124,751	4,0000	1.124,676					6,7208	1.122,862	-1,814		



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DISP KM 0-RAMO 5-NS

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO															
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET				
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT			
0	-3,5000	1.118,465	-0,007											-3,5000	1.118,472	2,00	1.118,391	1.118,402	-0,011	0,0000	1.118,402		2,5000	1.118,277	4,0000	1.117,902					4,4438	1.118,346	0,444
0+20.000	-5,5120	1.119,436	-0,076											-5,5120	1.119,512	2,00	1.119,298	1.119,402	-0,104	0,0000	1.119,402		2,5000	1.119,277	4,0000	1.118,902					4,4148	1.119,317	0,415
0+39.761	-7,5000	1.120,311	-0,229											-7,5000	1.120,540	2,00	1.120,310	1.120,390	-0,080	0,0000	1.120,390		2,5000	1.120,265	4,0000	1.119,890					4,3776	1.120,268	0,378
0+40.000	-7,4899	1.120,319	-0,233											-7,4899	1.120,552	2,00	1.120,321	1.120,402	-0,081	0,0000	1.120,402		2,5000	1.120,277	4,0000	1.119,902					4,3783	1.120,280	0,378
0+44.839	-9,0400	1.120,544	-0,169					-8,7860	1.120,713					-7,2860	1.120,788	2,00	1.120,505	1.120,642	-0,137	0,0000	1.120,642		2,5000	1.120,517	4,0000	1.120,142					4,4559	1.120,598	0,456
0+60.000	-8,7125	1.121,045	-0,377					-8,1470	1.121,422					-6,6470	1.121,497	2,00	1.121,003	1.121,364	-0,361	0,0000	1.121,364		2,5000	1.121,239	4,0000	1.121,164					4,0408	1.121,137	-0,027
0+63.489	-8,6309	1.121,158	-0,421					-8,0000	1.121,579					-6,5000	1.121,654	2,00	1.121,115	1.121,524	-0,409	0,0000	1.121,524		2,5000	1.121,399	4,0000	1.121,324					4,0667	1.121,280	-0,044
0+80.000	-8,7230	1.121,822	-0,482					-8,0000	1.122,304					-6,5000	1.122,379	2,00	1.121,823	1.122,249	-0,426	0,0000	1.122,249		2,5000	1.122,124	4,0000	1.122,049					4,1527	1.121,947	-0,102
0+87.817	-8,7400	1.122,142	-0,493					-8,0000	1.122,635					-6,5000	1.122,710	2,00	1.122,300	1.122,580	-0,280	0,0000	1.122,580		2,5000	1.122,455	4,0000	1.122,080					4,3147	1.122,395	0,315
0+92.590	-6,5000	1.122,436	-0,476											-6,5000	1.122,912	2,00	1.122,595	1.122,782	-0,187	0,0000	1.122,782		2,5000	1.122,657	4,0000	1.122,282					4,3899	1.122,672	0,390
0+100.000	-5,8295	1.122,785	-0,428											-5,8295	1.123,213	2,00	1.122,984	1.123,096	-0,112	0,0000	1.123,096		2,5000	1.122,971	4,0000	1.122,596					4,4858	1.123,082	0,486
0+114.693	-4,5000	1.123,442	-0,367											-4,5000	1.123,809	2,00	1.123,451	1.123,719	-0,268	0,0000	1.123,719		2,5000	1.123,594	4,0000	1.123,519					4,0175	1.123,507	-0,012
0+120.000	-5,1096	1.123,694	-0,352											-5,1096	1.124,046	2,00	1.123,684	1.123,944	-0,260	0,0000	1.123,944		2,5000	1.123,819	4,0000	1.123,744					4,0999	1.123,677	-0,067
0+140.000	-7,4068	1.124,654	-0,285											-7,4068	1.124,939	2,00	1.124,593	1.124,791	-0,198	0,0000	1.124,791		2,5000	1.124,666	4,0000	1.124,591					4,0475	1.124,559	-0,032
0+140.811	-7,5000	1.124,694	-0,281											-7,5000	1.124,975	2,00	1.124,629	1.124,825	-0,196	0,0000	1.124,825		2,5000	1.124,700	4,0000	1.124,625					4,0456	1.124,595	-0,030
0+143.495	-9,1582	1.124,831	-0,181					-8,8869	1.125,012					-7,3869	1.125,087	2,00	1.124,756	1.124,939	-0,183	0,0000	1.124,939		2,5000	1.124,814	4,0000	1.124,739					4,0305	1.124,719	-0,020
0+145.000	-9,0882	1.124,898	-0,176					-8,8235	1.125,074					-7,3235	1.125,149	2,00	1.124,827	1.125,003	-0,176	0,0000	1.125,003		2,5000	1.124,878	4,0000	1.124,803					4,0227	1.124,788	-0,015
0+160.000	-8,3807	1.125,552	-0,126					-8,1913	1.125,678					-6,6913	1.125,753	2,00	1.125,467	1.125,619	-0,152	0,0000	1.125,619		2,5000	1.125,494	4,0000	1.125,419					4,0012	1.125,420	0,001
0+164.539	-8,1390	1.125,760	-0,093					-8,0000	1.125,853					-6,5000	1.125,928	2,00	1.125,647	1.125,798	-0,151	0,0000	1.125,798		2,5000	1.125,673	4,0000	1.125,598					4,0046	1.125,595	-0,003
0+174.721	-8,1175	1.126,360	0,117					-8,0000	1.126,243					-6,5000	1.126,318	2,00	1.126,038	1.126,188	-0,150	0,0000	1.126,188		2,5000	1.126,063	4,0000	1.125,988					4,0183	1.125,976	-0,012
0+177.739	-6,5000	1.126,440	0,010											-6,5000	1.126,430	2,00	1.126,152	1.126,300	-0,148	0,0000	1.126,300		2,5000	1.126,175	4,0000	1.126,100					4,0206	1.126,086	-0,014
0+180.000	-6,3402	1.126,549	0,039											-6,3402	1.126,510	2,00	1.126,236	1.126,383	-0,147	0,0000	1.126,383		2,5000	1.126,258	4,0000	1.126,183					4,0227	1.126,168	-0,015
0+195.000	-5,2802	1.127,096	0,079											-5,2802	1.127,017	2,00	1.126,919	1.126,912	0,007	0,0000	1.126,912		2,5000	1.126,787	4,0000	1.126,712					4,0237	1.126,696	-0,016
0+197.674	-5,0912	1.127,166	0,062											-5,0912	1.127,104	2,00	1.127,017	1.127,002	0,015	0,0000	1.127,002		2,5000	1.126,877	4,0000	1.126,502					4,2897	1.126,792	0,290
0+200.000	-4,9268	1.127,225	0,045											-4,9268	1.127,180	2,00	1.127,080	1.127,082	-0,002	0,0000	1.127,082		2,5000	1.126,957	4,0000	1.126,582					4,3072	1.126,889	0,307
0+220.000	-3,5134	1.127,885	0,053											-3,5134	1.127,832	2,00	1.127,859	1.127,762	0,097	0,0000	1.127,762		2,5000	1.127,637	4,0000	1.127,262					4,4862	1.127,748	0,486
0+220.190	-3,5000	1.127,894	0,056											-3,5000	1.127,838	2,00	1.127,870	1.127,768	0,102	0,0000	1.127,768		2,5000	1.127,643	4,0000	1.127,268					4,4897	1.127,758	0,490

3.2.3 – Dispositivo Km 5 (Entronc. DF-220/Estrada Municipal)



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DISP KM 5-RAMO 1-NS

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO													
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET		
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT	
5	-6,0808	1.282,183	-0,054					-6,0000	1.282,237			-4,5000	1.282,312	-2,00	1.282,256	1.282,402	-0,146	0,0000	1.282,402										0,0000	1.282,256	-0,146
5+11.275	-6,1885	1.282,449	-0,126					-6,0000	1.282,575			-4,5000	1.282,650	-2,00	1.282,534	1.282,740	-0,206	2,7871	1.282,796	2,00								2,7871	1.282,599	-0,197	
5+20.000	-6,1752	1.282,687	-0,117					-6,0000	1.282,804			-4,5000	1.282,879	-2,00	1.282,789	1.282,969	-0,180	4,9438	1.283,068	2,00								4,9438	1.282,844	-0,224	
5+22.250	-6,2397	1.282,692	-0,160					-6,0000	1.282,852			-4,5000	1.282,927	-2,00	1.282,797	1.283,017	-0,220	5,5000	1.283,127	2,00								5,5000	1.282,889	-0,238	
5+24.119	-6,2901	1.282,695	-0,193					-6,0000	1.282,888			-4,5000	1.282,963	-2,00	1.282,801	1.283,053	-0,252	5,2974	1.283,159	2,00			6,7974	1.283,084			6,7974	1.282,963	-0,121		
5+27.931	-6,3860	1.282,696	-0,257					-6,0000	1.282,953			-4,5000	1.283,028	-2,00	1.282,837	1.283,118	-0,281	4,8842	1.283,216	2,00			6,3842	1.283,141			6,5677	1.283,019	-0,122		
5+31.475	-6,4637	1.282,693	-0,309					-6,0000	1.283,002			-4,5000	1.283,077	-2,00	1.282,879	1.283,167	-0,288	4,5000	1.283,257	2,00								4,5000	1.283,082	-0,175	
5+40.000	-6,1212	1.283,026	-0,081					-6,0000	1.283,107			-4,5000	1.283,182	-2,00	1.283,451	1.283,272	0,179	1,9838	1.283,312	2,00								1,9838	1.283,552	0,240	
5+46.721	-6,0264	1.283,216	0,026					-6,0000	1.283,190			-4,5000	1.283,265	-2,00	1.283,548	1.283,355	0,193	0,0000	1.283,355									0,0000	1.283,548	0,193	
5+46.722	-6,0262	1.283,216	0,026					-6,0000	1.283,190			-4,5000	1.283,265	-2,00	1.283,548	1.283,355	0,193	0,0003	1.283,355	2,00								0,0003	1.283,548	0,193	
5+60.000	-6,6107	1.282,971	-0,407					-6,0000	1.283,378			-4,5000	1.283,453	-2,00	1.283,131	1.283,543	-0,412	3,5225	1.283,614	2,00								3,5225	1.283,365	-0,249	
5+67.455	-6,6336	1.283,084	-0,422					-6,0000	1.283,506			-4,5000	1.283,581	-2,00	1.283,212	1.283,671	-0,459	5,5000	1.283,781	2,00								5,5000	1.283,298	-0,483	
5+69.273	-6,7632	1.283,026	-0,509					-6,0000	1.283,535			-4,5000	1.283,610	-2,00	1.283,261	1.283,700	-0,439	5,3582	1.283,807	2,00			6,8582	1.283,732			7,3508	1.283,404	-0,328		
5+76.248	-6,5971	1.283,166	-0,398					-6,0000	1.283,564			-4,5000	1.283,639	-2,00	1.283,341	1.283,729	-0,388	4,8143	1.283,825	2,00			6,3143	1.283,750			6,6629	1.283,518	-0,232		
5+80.000	-6,3807	1.283,273	-0,254					-6,0000	1.283,527			-4,5000	1.283,602	-2,00	1.283,406	1.283,692	-0,286	4,5217	1.283,782	2,00			6,0217	1.283,707			6,2809	1.283,534	-0,173		
5+80.278	-6,3847	1.283,267	-0,256					-6,0000	1.283,523			-4,5000	1.283,598	-2,00	1.283,398	1.283,688	-0,290	4,5000	1.283,778	2,00								4,5000	1.283,490	-0,288	
5+82.446	-6,3993	1.283,217	-0,266					-6,0000	1.283,483			-4,5000	1.283,558	-2,00	1.283,337	1.283,648	-0,311	3,9489	1.283,718	1,76								3,9489	1.283,408	-0,310	
5+97.982	-6,5143	1.282,811	-0,343					-6,0000	1.283,154			-4,5000	1.283,229	-2,00	1.282,829	1.283,319	-0,490	0,0000	1.283,319									0,0000	1.282,829	-0,490	
5+97.983	-6,5143	1.282,811	-0,343					-6,0000	1.283,154			-4,5000	1.283,229	-2,00	1.282,829	1.283,319	-0,490	4,5000	1.283,319	0,00	7,0000	1.283,194	8,5000	1.283,119			8,8021	1.282,918	-0,201		
5+100.000	-6,5345	1.282,755	-0,356					-6,0000	1.283,111			-4,5000	1.283,186	-2,00	1.282,780	1.283,276	-0,496	4,5000	1.283,282	0,13	7,0000	1.283,157	8,5000	1.283,082			8,8223	1.282,867	-0,215		
5+120.000	-6,5794	1.282,301	-0,386					-6,0000	1.282,687			-4,5000	1.282,762	-2,00	1.282,294	1.282,852	-0,558	4,5000	1.282,917	1,43	7,0000	1.282,792	8,5000	1.282,717			9,4943	1.282,054	-0,663		
5+128.698	-6,5983	1.282,104	-0,399					-6,0000	1.282,503			-4,5000	1.282,578	-2,00	1.282,051	1.282,668	-0,617	4,5000	1.282,758	2,00	7,0000	1.282,633	8,5000	1.282,558			9,7575	1.281,720	-0,838		
5+140.000	-6,5864	1.281,872	-0,391					-6,0000	1.282,263			-4,5000	1.282,338	-2,00	1.281,765	1.282,428	-0,663	4,5000	1.282,485	1,26	7,0000	1.282,360	8,5000	1.282,285			9,7121	1.281,477	-0,808		
5+159.395	-6,2337	1.281,696	-0,156					-6,0000	1.281,852			-4,5000	1.281,927	-2,00	1.281,492	1.282,017	-0,525	4,5000	1.282,017	0,00	7,0000	1.281,892	8,5000	1.281,817			9,4511	1.281,183	-0,634		
5+159.396	-6,2336	1.281,696	-0,156					-6,0000	1.281,852			-4,5000	1.281,927	-2,00	1.281,492	1.282,017	-0,525	0,0000	1.282,017									0,0000	1.281,492	-0,525	
5+160.000	-6,2143	1.281,696	-0,143					-6,0000	1.281,839			-4,5000	1.281,914	-2,00	1.281,493	1.282,004	-0,511	0,1566	1.282,004	0,06								0,1566	1.281,488	-0,516	
5+176.585	-6,6645	1.281,852	0,664					-6,0000	1.281,188			-4,5000	1.281,563	-2,00	1.281,657	1.281,653	0,004	4,4552	1.281,725	1,62								4,4552	1.281,527	-0,198	
5+180.000	-6,7743	1.281,903	0,774					-6,0000	1.281,129			-4,5000	1.281,504	-2,00	1.281,724	1.281,594	0,130	5,3403	1.281,698	1,94								5,3403	1.281,589	-0,109	
5+180.616	-6,7859	1.281,908	0,786					-6,0000	1.281,122			-4,5000	1.281,497	-2,00	1.281,737	1.281,587	0,150	5,5000	1.281,697	2,00								5,5000	1.281,612	-0,085	
5+182.559	-6,7459	1.281,851	0,746					-6,0000	1.281,105			-4,5000	1.281,480	-2,00	1.281,707	1.281,570	0,137	5,3867	1.281,678	2,00			6,8867	1.281,603			6,9128	1.281,586	-0,017		
5+193.543	-6,4532	1.281,633	0,453					-6,0000	1.281,180			-4,5000	1.281,555	-2,00	1.281,453	1.281,645	-0,192	4,7465	1.281,740	2,00			6,2465	1.281,665			6,7526	1.281,328	-0,337		



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DISP KM 5-RAMO 1-NS

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO														
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
5+197.772	-6,2928	1.281,580	0,293					-6,0000	1.281,287			-4,5000	1.281,662	-2,00	1.281,767	1.281,752	0,015	4,5000	1.281,842	2,00										4,5000	1.281,852	0,010
5+200.000	-6,2459	1.281,608	0,246					-6,0000	1.281,362			-4,5000	1.281,737	-2,00	1.281,937	1.281,827	0,110	3,9723	1.281,906	2,00									3,9723	1.282,016	0,110	
5+201.803	-6,2015	1.281,633	0,202					-6,0000	1.281,431			-4,5000	1.281,806	-2,00	1.282,056	1.281,896	0,160	3,5452	1.281,967	2,00									3,5452	1.282,028	0,061	
5+212.739	-6,3290	1.282,145	0,329					-6,0000	1.281,816			-4,5000	1.282,191	-2,00	1.282,140	1.282,281	-0,141	0,9548	1.282,300	2,00									0,9548	1.282,151	-0,149	
5+216.770	-6,2469	1.282,184	0,247					-6,0000	1.281,937			-4,5000	1.282,312	-2,00	1.282,256	1.282,402	-0,146	0,0000	1.282,402										0,0000	1.282,256	-0,146	



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DISP KM 5-RAMO 2-NS

ESTACA	LADO ESQUERDO												EIXO			LADO DIREITO																	
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET				
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT			
5	-3,5000	1.280,109	-0,333														1.279,989	1.280,372	-0,383	0,0000	1.280,372		2,5000	1.280,247	4,0000	1.280,172					4,1304	1.280,085	-0,087
5+20,000	-6,2886	1.280,615	-0,383														1.280,364	1.280,872	-0,508	0,0000	1.280,872		2,5000	1.280,747	4,0000	1.280,672					4,1054	1.280,602	-0,070
5+28,688	-7,5000	1.280,829	-0,410														1.280,716	1.281,089	-0,373	0,0000	1.281,089		2,5000	1.280,964	4,0000	1.280,889					4,0850	1.280,832	-0,057
5+32,617	-9,2944	1.280,957	-0,302														1.280,831	1.281,187	-0,356	0,0000	1.281,187		2,5000	1.281,062	4,0000	1.280,987					4,0662	1.280,943	-0,044
5+40,000	-9,1173	1.281,057	-0,381														1.281,198	1.281,372	-0,174	0,0000	1.281,372		2,5000	1.281,247	4,0000	1.280,872					4,4728	1.281,345	0,473
5+41,102	-9,0932	1.281,070	-0,395														1.281,258	1.281,400	-0,142	0,0000	1.281,400		2,5000	1.281,275	4,0000	1.280,900					4,5156	1.281,416	0,516
5+48,905	-8,6227	1.281,371	-0,290														1.281,742	1.281,602	0,140	0,0000	1.281,602		2,5000	1.281,477	4,0000	1.281,102					4,8125	1.281,915	0,813
5+53,572	-6,5000	1.281,846	-0,015														1.281,971	1.281,731	0,240	0,0000	1.281,731		2,5000	1.281,606	4,0000	1.281,231					4,7227	1.281,954	0,723
5+60,000	-5,8445	1.282,049	0,015														1.282,025	1.281,917	0,108	0,0000	1.281,917		2,5000	1.281,792	4,0000	1.281,417					4,6275	1.282,044	0,627
5+61,102	-5,7321	1.282,057	-0,007														1.282,034	1.281,950	0,084	0,0000	1.281,950		2,5000	1.281,825	4,0000	1.281,450					4,6227	1.282,073	0,623
5+73,185	-4,5000	1.282,256	-0,146														1.282,322	1.282,312	0,010	0,0000	1.282,312		2,5000	1.282,187	4,0000	1.281,812					4,5771	1.282,389	0,577
5+80,000	-5,3822	1.282,446	-0,178														1.282,516	1.282,516	0,000	0,0000	1.282,516		2,5000	1.282,391	4,0000	1.282,016					4,5594	1.282,575	0,559
5+96,360	-7,5000	1.282,919	-0,238														1.282,987	1.283,007	-0,020	0,0000	1.283,007		2,5000	1.282,882	4,0000	1.282,507					4,5246	1.283,032	0,525
5+98,454	-9,0210	1.282,982	-0,159														1.283,038	1.283,070	-0,032	0,0000	1.283,070		2,5000	1.282,945	4,0000	1.282,570					4,5103	1.283,080	0,510
5+100,000	-8,8481	1.283,034	-0,150														1.283,075	1.283,116	-0,041	0,0000	1.283,116		2,5000	1.282,991	4,0000	1.282,616					4,4997	1.283,116	0,500
5+103,085	-8,5182	1.283,126	-0,144														1.283,150	1.283,209	-0,059	0,0000	1.283,209		2,5000	1.283,084	4,0000	1.282,709					4,4788	1.283,188	0,479
5+106,004	-6,5000	1.283,205	-0,222														1.283,222	1.283,297	-0,075	0,0000	1.283,297		2,5000	1.283,172	4,0000	1.282,797					4,4598	1.283,257	0,460
5+120,000	-5,1057	1.283,601	-0,218														1.283,572	1.283,716	-0,144	0,0000	1.283,716		2,5000	1.283,591	4,0000	1.283,216					4,3773	1.283,593	0,377
5+136,117	-3,5000	1.284,239	-0,031														1.283,984	1.284,200	-0,216	0,0000	1.284,200		2,5000	1.284,075	4,0000	1.283,700					4,2516	1.283,952	0,252



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DISP KM 5-RAMO 3-NS-R01

ESTACA	LADO ESQUERDO												EIXO			LADO DIREITO															
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET		
	DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT
5	-3,5000	1.284,239	-0,031												1.284,542	1.284,200	0,342	0,0000	1.284,200		2,5000	1.284,075	4,0000	1.284,000	4,6000	1.283,600	8,6000	1.282,600	17,4860	1.284,822	2,222
5+11,919	-3,5000	1.283,759	-0,153												1.284,035	1.283,842	0,193	0,0000	1.283,842		2,5000	1.283,717	4,0000	1.283,642	4,6000	1.283,242	8,6000	1.282,242	17,6744	1.284,511	2,269
5+20,000	-5,4799	1.283,467	-0,243												1.284,031	1.283,600	0,431	0,0000	1.283,600		2,5000	1.283,475	4,0000	1.283,400	4,6000	1.283,000	8,6000	1.282,000	18,3471	1.284,437	2,437
5+22,344	-6,0542	1.283,398	-0,253												1.283,982	1.283,530	0,452	0,0000	1.283,530		2,5000	1.283,405	4,0000	1.283,330	4,6000	1.282,930	8,6000	1.281,930	18,5592	1.284,420	2,490
5+28,245	-7,5000	1.283,232	-0,295												1.283,863	1.283,377	0,486	0,0000	1.283,377		2,5000	1.283,252	4,0000	1.283,177	4,6000	1.282,777	8,6000	1.281,777	19,0416	1.284,387	2,610
5+30,750	-9,1294	1.283,144	-0,253												1.283,820	1.283,327	0,493	0,0000	1.283,327		2,5000	1.283,202	4,0000	1.283,127	4,6000	1.282,727	8,6000	1.281,727	19,1993	1.284,377	2,650
5+34,905	-8,7428	1.283,053	-0,272												1.283,760	1.283,263	0,497	0,0000	1.283,263		2,5000	1.283,138	4,0000	1.283,063	4,6000	1.282,663	8,6000	1.281,663	19,3984	1.284,363	2,700
5+38,257	-6,5000	1.283,158	-0,201												1.283,724	1.283,229	0,495	0,0000	1.283,229		2,5000	1.283,104	4,0000	1.283,029	4,6000	1.282,629	8,6000	1.281,629	19,4976	1.284,353	2,724
5+40,000	-6,2572	1.283,202	-0,141												1.283,709	1.283,218	0,491	0,0000	1.283,218		2,5000	1.283,093	4,0000	1.283,018	4,6000	1.282,618	8,6000	1.281,618	19,5173	1.284,347	2,729
5+52,617	-4,5000	1.283,548	0,196												1.283,697	1.283,262	0,435	0,0000	1.283,262		2,5000	1.283,137	4,0000	1.283,062	4,6000	1.282,662	8,6000	1.281,662	19,2942	1.284,336	2,674
5+60,000	-5,5541	1.283,423	-0,080												1.283,710	1.283,392	0,318	0,0000	1.283,392		2,5000	1.283,267	4,0000	1.283,192	4,6000	1.282,792	8,6000	1.281,792	18,8779	1.284,361	2,569
5+61,662	-5,7913	1.283,381	-0,166												1.283,701	1.283,431	0,270	0,0000	1.283,431		2,5000	1.283,306	4,0000	1.283,231	4,6000	1.282,831	8,6000	1.281,831	18,7502	1.284,369	2,538
5+73,630	-7,5000	1.283,296	-0,585												1.283,623	1.283,731	-0,108	0,0000	1.283,731		2,5000	1.283,606	4,0000	1.283,531	4,6000	1.283,131	8,6000	1.282,131	17,8823	1.284,452	2,321
5+75,573	-9,5212	1.283,407	-0,444												1.283,621	1.283,779	-0,158	0,0000	1.283,779		2,5000	1.283,654	4,0000	1.283,579	4,6000	1.283,179	8,6000	1.282,179	17,7156	1.284,458	2,279
5+80,000	-9,0910	1.283,577	-0,378												1.283,649	1.283,890	-0,241	0,0000	1.283,890		2,5000	1.283,765	4,0000	1.283,690	4,6000	1.283,290	8,6000	1.282,290	17,3087	1.284,467	2,177
5+83,747	-8,8635	1.283,630	-0,414												1.283,698	1.283,984	-0,286	0,0000	1.283,984		2,5000	1.283,859	4,0000	1.283,784	4,6000	1.283,384	8,6000	1.282,384	16,9968	1.284,483	2,099
5+86,997	-6,5000	1.283,786	-0,409												1.283,756	1.284,065	-0,309	0,0000	1.284,065		2,5000	1.283,940	4,0000	1.283,865	4,6000	1.283,465	8,6000	1.282,465	16,7556	1.284,504	2,039
5+100,000	-4,3370	1.284,157	-0,320												1.284,063	1.284,390	-0,327	0,0000	1.284,390		2,5000	1.284,265	4,0000	1.284,190	4,6000	1.283,790	8,6000	1.282,790	15,8234	1.284,596	1,806
5+105,032	-3,5000	1.284,280	-0,306												1.284,210	1.284,516	-0,306	0,0000	1.284,516		2,5000	1.284,391	4,0000	1.284,316	4,6000	1.283,916	8,6000	1.282,916	15,4769	1.284,635	1,719
5+116,647	-3,5000	1.284,581	-0,295												1.284,548	1.284,806	-0,258	0,0000	1.284,806		2,5000	1.284,681	4,0000	1.284,606	4,6000	1.284,206	8,6000	1.283,206	14,8562	1.284,770	1,564



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DISP KM 5-RAMO 4-NS

ESTACA	LADO ESQUERDO												EIXO			LADO DIREITO															
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET		
	DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT
5	-3,5000	1.284,581	-0,295									-3,5000	1.284,876	2,00	1.284,508	1.284,806	-0,298	0,0000	1.284,806		2,5000	1.284,681	4,0000	1.284,606					4,2698	1.284,426	-0,180
5+20,000	-6,2813	1.284,031	-0,401									-6,2813	1.284,432	2,00	1.283,942	1.284,306	-0,364	0,0000	1.284,306		2,5000	1.284,181	4,0000	1.283,806					4,3919	1.284,198	0,392
5+28,764	-7,5000	1.283,693	-0,544									-7,5000	1.284,237	2,00	1.284,018	1.284,087	-0,069	0,0000	1.284,087		2,5000	1.283,962	4,0000	1.283,887					4,0767	1.283,836	-0,051
5+32,032	-9,5147	1.283,605	-0,472					-8,8062	1.284,077			-7,3062	1.284,152	2,00	1.283,864	1.284,006	-0,142	0,0000	1.284,006		2,5000	1.283,881	4,0000	1.283,806					4,1797	1.283,686	-0,120
5+40,000	-8,8936	1.283,509	-0,373					-8,3336	1.283,882			-6,8336	1.283,957	2,00	1.283,616	1.283,820	-0,204	0,0000	1.283,820		2,5000	1.283,695	4,0000	1.283,620					4,0313	1.283,599	-0,021
5+41,359	-8,6534	1.283,583	-0,267					-8,2531	1.283,850			-6,7531	1.283,925	2,00	1.283,603	1.283,790	-0,187	0,0000	1.283,790		2,5000	1.283,665	4,0000	1.283,590					4,0293	1.283,570	-0,020
5+45,626	-6,5000	1.283,497	-0,330									-6,5000	1.283,827	2,00	1.283,458	1.283,697	-0,239	0,0000	1.283,697		2,5000	1.283,572	4,0000	1.283,497					4,0952	1.283,434	-0,063
5+60,000	-4,8876	1.282,956	-0,455									-4,8876	1.283,411	0,39	1.282,962	1.283,392	-0,430	0,0000	1.283,392		2,5000	1.283,267	4,0000	1.283,192					4,3146	1.282,982	-0,210
5+63,455	-4,5000	1.282,829	-0,490									-4,5000	1.283,319	0,00	1.282,870	1.283,319	-0,449	0,0000	1.283,319		2,5000	1.283,194	4,0000	1.283,119					4,3022	1.282,918	-0,201



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DISP KM 5-RAMO 5-NS

ESTACA	LADO ESQUERDO												EIXO			LADO DIREITO																	
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET				
	DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
5	-4,5000	1.281,492	-0,525									-4,5000	1.282,017	0,00	1.281,345	1.282,017	-0,672	0,0000	1.282,017		2,5000	1.281,892	4,0000	1.281,817					4,9509	1.281,183	-0,634		
5+20.000	-7,2636	1.281,526	-0,192									-7,2636	1.281,718	1,84	1.281,280	1.281,584	-0,304	0,0000	1.281,584		2,5000	1.281,459	4,0000	1.281,384					4,3777	1.281,132	-0,252		
5+21.711	-7,5000	1.281,542	-0,155									-7,5000	1.281,697	2,00	1.281,269	1.281,547	-0,278	0,0000	1.281,547		2,5000	1.281,422	4,0000	1.281,347					4,3370	1.281,122	-0,225		
5+23.819	-9,2404	1.281,621	0,347									-8,8938	1.281,274		-7,3938	1.281,649	2,00	1.281,253	1.281,501	-0,248	0,0000	1.281,501		2,5000	1.281,376	4,0000	1.281,301				4,2880	1.281,109	-0,192
5+37.769	-8,6384	1.280,938	-0,298									-8,1912	1.281,236		-6,6912	1.281,311	2,00	1.281,248	1.281,177	0,071	0,0000	1.281,177		2,5000	1.281,052	4,0000	1.280,677				4,3810	1.281,058	0,381
5+40.000	-6,5788	1.280,833	-0,421									-6,5788	1.281,254	2,00	1.281,225	1.281,122	0,103	0,0000	1.281,122		2,5000	1.280,997	4,0000	1.280,622					4,4126	1.281,035	0,413		
5+41.565	-6,5000	1.280,805	-0,408									-6,5000	1.281,213	2,00	1.281,130	1.281,083	0,047	0,0000	1.281,083		2,5000	1.280,958	4,0000	1.280,583					4,4339	1.281,017	0,434		
5+60.000	-4,5565	1.280,378	-0,336									-4,5565	1.280,714	2,00	1.280,230	1.280,623	-0,393	0,0000	1.280,623		2,5000	1.280,498	4,0000	1.280,123					4,5890	1.280,712	0,589		
5+70.022	-3,5000	1.280,109	-0,263									-3,5000	1.280,372	0,00	1.279,987	1.280,372	-0,385	0,0000	1.280,372		2,5000	1.280,247	4,0000	1.279,872					4,4989	1.280,371	0,499		



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



ACESSO KM 7-RAMO 2-NS-R01

ESTACA	LADO ESQUERDO												EIXO			LADO DIREITO															
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET		
	DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT
7	-3,5000	1.323,679	-0,091									-3,5000	1.323,770	2,00	1.324,087	1.323,700	0,387	0,0000	1.323,700				1,5000	1.323,625	2,1000	1.323,225	6,1000	1.322,225	14,0620	1.324,215	1,990
7+17,447	-7,5000	1.323,208	-0,501									-7,5000	1.323,709	3,00	1.323,465	1.323,484	-0,019	0,0000	1.323,484				1,5000	1.323,409	2,1000	1.323,009	6,1000	1.322,009	14,2142	1.324,038	2,029
7+19,739	-7,2000	1.323,187	-0,504									-7,2000	1.323,691	3,00	1.323,421	1.323,475	-0,054	0,0000	1.323,475				1,5000	1.323,400	2,1000	1.323,000	6,1000	1.322,000	14,2266	1.324,032	2,032
7+20,000	-7,2049	1.323,184	-0,504									-7,2049	1.323,688	2,95	1.323,416	1.323,475	-0,059	0,0000	1.323,475				1,5000	1.323,400	2,1000	1.323,000	6,1000	1.322,000	14,2234	1.324,031	2,031
7+23,764	-7,2760	1.323,143	-0,491									-7,2760	1.323,634	2,24	1.323,359	1.323,471	-0,112	0,0000	1.323,471				1,5000	1.323,396	2,1000	1.322,996	6,1000	1.321,996	14,2196	1.324,026	2,030
7+27,660	-7,3495	1.323,100	-0,485									-7,3495	1.323,585	1,50	1.323,380	1.323,474	-0,094	0,0000	1.323,474				1,5000	1.323,399	2,1000	1.322,999	6,1000	1.321,999	14,1830	1.324,020	2,021
7+35,632	-7,5000	1.322,943	-0,618									-7,5000	1.323,561	0,00	1.323,418	1.323,561	-0,143	0,0000	1.323,561				1,5000	1.323,486	2,1000	1.323,086	6,1000	1.322,086	13,7643	1.324,002	1,916
7+40,000	-6,9255	1.323,603	-0,050									-6,9255	1.323,653	0,00	1.323,574	1.323,653	-0,079	0,0000	1.323,653				1,5000	1.323,578	2,1000	1.323,178	6,1000	1.322,178	13,2710	1.323,971	1,793
7+43,235	-6,5000	1.323,733	0,013									-6,5000	1.323,720	0,00	1.323,688	1.323,720	-0,032	0,0000	1.323,720				1,5000	1.323,645	2,1000	1.323,245	6,1000	1.322,245	12,9625	1.323,961	1,716
7+60,000	-0,9393	1.324,227	0,138									-0,9393	1.324,089	1,71	1.324,214	1.324,073	0,141	0,0000	1.324,073				1,5000	1.323,998	2,1000	1.323,598	6,1000	1.322,598	12,0760	1.324,092	1,494
7+62,832	0,0000	1.324,284	0,152									0,0000	1.324,132		1.324,284			0,0000	1.324,132				1,5000	1.324,057	2,1000	1.323,657	6,1000	1.322,657	12,0448	1.324,143	1,486



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



ACESSO KM 7-RAMO 3-NS

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO														
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
	DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT	
7+24.840	0,0000	1.322,973	-0,155												1.322,973			0,0000	1.323,128											7,5000	1.322,523	-0,455
7+26.812	0,0000	1.322,916	-0,173												1.322,916			0,0000	1.323,089											7,0244	1.322,593	-0,356
7+28.986	0,0000	1.322,896	-0,157												1.322,896			0,0000	1.323,053											6,5000	1.322,700	-0,223



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



ACESSO KM 7-RAMO 4-NS

ESTACA	LADO ESQUERDO												EIXO			LADO DIREITO																
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
	DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT	
7+14.333	0,0000	1.323,048	-0,196									0,0000	1.323,244		1.323,048			7,5000	1.323,469	3,00										7,5000	1.322,571	-0,898
7+17.345															1.323,090															0,0000	1.323,090	-0,161

3.2.5 – Dispositivo Km 16 (Entronc. DF-220/DF-001)



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA

DISP KM 16-RAMO 1-NS



ESTACA	LADO ESQUERDO												EIXO			LADO DIREITO																
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
16	-6,6729	1.277,243	-0,449					-6,0000	1.277,692			-4,5000	1.277,767	-2,00	1.277,451	1.277,857	-0,406	0,0000	1.277,857											0,0000	1.277,451	-0,406
16+20.000	-6,8330	1.277,055	-0,555					-6,0000	1.277,610			-4,5000	1.277,685	-2,00	1.277,232	1.277,775	-0,543	4,0792	1.277,857	2,00									4,0792	1.277,283	-0,574	
16+26.966	-6,9845	1.276,908	-0,656					-6,0000	1.277,564			-4,5000	1.277,639	-2,00	1.276,998	1.277,729	-0,731	5,5000	1.277,839	2,00									5,5000	1.277,042	-0,797	
16+29.627	-6,8496	1.276,979	-0,566					-6,0000	1.277,545			-4,5000	1.277,620	-2,00	1.276,934	1.277,710	-0,776	5,3828	1.277,817	2,00			6,8828	1.277,742					8,0600	1.276,957	-0,785	
16+40.000	-6,2476	1.277,304	-0,165					-6,0000	1.277,469			-4,5000	1.277,544	-2,00	1.277,271	1.277,634	-0,363	4,9260	1.277,732	2,00			6,4260	1.277,657					6,9579	1.277,302	-0,355	
16+40.992	-6,1899	1.277,335	-0,127					-6,0000	1.277,462			-4,5000	1.277,537	-2,00	1.277,303	1.277,627	-0,324	4,8823	1.277,724	2,00			6,3823	1.277,649					6,8527	1.277,335	-0,314	
16+49.672	-6,0249	1.277,406	-0,017					-6,0000	1.277,423			-4,5000	1.277,498	-2,00	1.277,443	1.277,588	-0,145	4,5000	1.277,678	2,00			6,0000	1.277,603					6,2648	1.277,426	-0,177	
16+60.000	-6,1362	1.277,349	-0,091					-6,0000	1.277,440			-4,5000	1.277,515	-2,00	1.277,365	1.277,605	-0,240	4,5000	1.277,695	2,00			6,0000	1.277,620					6,3272	1.277,402	-0,218	
16+73.503	-6,4884	1.277,239	-0,326					-6,0000	1.277,565			-4,5000	1.277,640	-2,00	1.277,100	1.277,730	-0,630	4,5000	1.277,820	2,00			6,0000	1.277,745					7,1444	1.276,982	-0,763	
16+80.000	-6,6902	1.277,208	-0,460					-6,0000	1.277,668			-4,5000	1.277,743	-2,00	1.277,097	1.277,833	-0,736	4,5000	1.277,923	2,00									4,5000	1.277,079	-0,844	
16+81.195	-6,7211	1.277,209	-0,481					-6,0000	1.277,690			-4,5000	1.277,765	-2,00	1.277,098	1.277,855	-0,757	4,5000	1.277,945	2,00									4,5000	1.277,098	-0,847	
16+100.000	-7,0411	1.277,315	-0,694					-6,0000	1.278,009			-4,5000	1.278,084	-2,00	1.277,305	1.278,174	-0,869	2,1103	1.278,216	2,00									2,1103	1.277,300	-0,916	
16+116.607	-7,2124	1.277,430	-0,808					-6,0000	1.278,238			-4,5000	1.278,313	-2,00	1.277,432	1.278,403	-0,971	0,0000	1.278,403										0,0000	1.277,432	-0,971	
16+120.000	-7,2403	1.277,451	-0,827					-6,0000	1.278,278			-4,5000	1.278,353	-2,00	1.277,457	1.278,443	-0,986	0,4474	1.278,452	2,00									0,4474	1.277,457	-0,995	
16+136.607	-7,3803	1.277,491	-0,920					-6,0000	1.278,411			-4,5000	1.278,486	-2,00	1.277,570	1.278,576	-1,006	2,6370	1.278,629	2,00									2,6370	1.277,577	-1,052	
16+140.000	-7,4067	1.277,489	-0,938					-6,0000	1.278,427			-4,5000	1.278,502	-2,00	1.277,575	1.278,592	-1,017	3,0844	1.278,654	2,00									3,0844	1.277,602	-1,052	
16+158.321	-7,4835	1.277,487	-0,989					-6,0000	1.278,476			-4,5000	1.278,551	-2,00	1.277,374	1.278,641	-1,267	5,5000	1.278,751	2,00									5,5000	1.277,301	-1,450	
16+160.000	-7,4640	1.277,501	-0,976					-6,0000	1.278,477			-4,5000	1.278,552	-2,00	1.277,344	1.278,642	-1,298	5,4261	1.278,751	2,00									5,4261	1.277,265	-1,486	
16+162.536	-7,4351	1.277,521	-0,957					-6,0000	1.278,478			-4,5000	1.278,553	-2,00	1.277,301	1.278,643	-1,342	5,3144	1.278,750	2,00			6,8144	1.278,675					9,0868	1.277,160	-1,515	
16+180.000	-7,4064	1.277,516	-0,938					-6,0000	1.278,454			-4,5000	1.278,529	-2,00	1.277,599	1.278,619	-1,020	4,5453	1.278,710	2,00			6,0453	1.278,635					7,8341	1.277,442	-1,193	
16+181.029	-7,3563	1.277,546	-0,904					-6,0000	1.278,450			-4,5000	1.278,525	-2,00	1.277,606	1.278,615	-1,009	4,5000	1.278,705	2,00			6,0000	1.278,630					7,7054	1.277,493	-1,137	
16+190.636	-6,9068	1.277,806	-0,605					-6,0000	1.278,411			-4,5000	1.278,486	-2,00	1.277,788	1.278,576	-0,788	4,5000	1.278,666	2,00			6,0000	1.278,591					7,3221	1.277,710	-0,881	
16+200.000	-6,7300	1.277,877	-0,487					-6,0000	1.278,364			-4,5000	1.278,439	-2,00	1.277,734	1.278,529	-0,795	4,5000	1.278,619	2,00			6,0000	1.278,544					7,4296	1.277,591	-0,953	
16+220.000	-7,6186	1.277,185	-1,079					-6,0000	1.278,264			-4,5000	1.278,339	-2,00	1.277,231	1.278,429	-1,198	4,5000	1.278,519	2,00			6,0000	1.278,444					7,7658	1.277,267	-1,177	
16+222.199	-7,6196	1.277,173	-1,080					-6,0000	1.278,253			-4,5000	1.278,328	-2,00	1.277,209	1.278,418	-1,209	4,5000	1.278,508	2,00			6,0000	1.278,433					7,7860	1.277,242	-1,191	
16+227.357	-7,6424	1.277,132	-1,095					-6,0000	1.278,227			-4,5000	1.278,302	-2,00	1.277,263	1.278,392	-1,129	4,5000	1.278,482	2,00									4,5000	1.277,318	-1,164	
16+240.000	-7,6174	1.277,060	-1,078					-6,0000	1.278,138			-4,5000	1.278,213	-2,00	1.277,278	1.278,303	-1,025	2,1848	1.278,347	2,00									2,1848	1.277,351	-0,996	
16+251.931	-7,7805	1.276,818	-1,187					-6,0000	1.278,005			-4,5000	1.278,080	-2,00	1.276,924	1.278,170	-1,246	0,0000	1.278,170										0,0000	1.276,924	-1,246	
16+251.932	-7,7805	1.276,818	-1,187					-6,0000	1.278,005			-4,5000	1.278,080	-2,00	1.276,924	1.278,170	-1,246	0,0002	1.278,170	2,00									0,0002	1.276,924	-1,246	
16+260.000	-7,4409	1.276,934	-0,961					-6,0000	1.277,895			-4,5000	1.277,970	-2,00	1.276,898	1.278,060	-1,162	1,5365	1.278,090	2,00									1,5365	1.276,890	-1,200	
16+280.000	-7,0239	1.276,897	-0,683					-6,0000	1.277,580			-4,5000	1.277,655	-2,00	1.276,805	1.277,745	-0,940	5,3448	1.277,852	2,00									5,3448	1.276,721	-1,131	



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DISP KM 16-RAMO 1-NS

ESTACA	LADO ESQUERDO												EIXO			LADO DIREITO																
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET			
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT		
16+280.815	-6,9997	1.276,900	-0,666					-6,0000	1.277,566			-4,5000	1.277,641	-2,00	1.276,815	1.277,731	-0,916	5,5000	1.277,841	2,00										5,5000	1.276,729	-1,112
16+283.680	-6,9854	1.276,863	-0,657					-6,0000	1.277,520			-4,5000	1.277,595	-2,00	1.276,843	1.277,685	-0,842	5,3738	1.277,793	2,00			6,8738	1.277,718					8,3595	1.276,728	-0,990	
16+300.000	-6,7297	1.276,912	-0,486					-6,0000	1.277,398			-4,5000	1.277,473	-2,00	1.276,828	1.277,563	-0,735	4,6551	1.277,656	2,00			6,1551	1.277,581				7,4438	1.276,722	-0,859		
16+303.522	-6,8134	1.276,860	-0,542					-6,0000	1.277,402			-4,5000	1.277,477	-2,00	1.276,820	1.277,567	-0,747	4,5000	1.277,657	2,00			6,0000	1.277,582				7,2250	1.276,765	-0,817		
16+314.699	-7,2394	1.276,664	-0,826					-6,0000	1.277,490			-4,5000	1.277,565	-2,00	1.276,644	1.277,655	-1,011	4,5000	1.277,745	2,00			6,0000	1.277,670				7,6090	1.276,597	-1,073		
16+316.127	-7,2760	1.276,658	-0,851					-6,0000	1.277,509			-4,5000	1.277,584	-2,00	1.276,714	1.277,674	-0,960	4,5000	1.277,764	2,00								4,5000	1.276,676	-1,088		
16+319.490	-7,2238	1.276,740	-0,816					-6,0000	1.277,556			-4,5000	1.277,631	-2,00	1.276,825	1.277,721	-0,896	4,5000	1.277,811	2,00								4,5000	1.276,796	-1,015		
16+320.000	-7,2004	1.276,763	-0,800					-6,0000	1.277,563			-4,5000	1.277,638	-2,00	1.276,842	1.277,728	-0,886	4,4000	1.277,816	2,00								4,4000	1.276,815	-1,001		
16+340.000	-6,5294	1.277,342	-0,353					-6,0000	1.277,695			-4,5000	1.277,770	-2,00	1.277,496	1.277,860	-0,364	0,4774	1.277,870	2,00								0,4774	1.277,543	-0,327		
16+342.434	-6,6729	1.277,243	-0,449					-6,0000	1.277,692			-4,5000	1.277,767	-2,00	1.277,451	1.277,857	-0,406	0,0000	1.277,857									0,0000	1.277,451	-0,406		



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DISP KM 16-RAMO 3-NS

ESTACA	LADO ESQUERDO														EIXO			LADO DIREITO															
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET				
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT			
16	-3,5000	1.277,066	-0,004											-3,5000	1.277,070	2,00	1.276,942	1.277,000	-0,058	0,0000	1.277,000		2,5000	1.276,875	4,0000	1.276,500					4,6066	1.277,107	0,607
16+20,000	-5,8616	1.277,140	-0,077											-5,8616	1.277,217	2,00	1.276,965	1.277,100	-0,135	0,0000	1.277,100		2,5000	1.276,975	4,0000	1.276,600					4,4120	1.277,012	0,412
16+33,876	-7,5000	1.277,199	-0,138											-7,5000	1.277,337	2,00	1.277,000	1.277,187	-0,187	0,0000	1.277,187		2,5000	1.277,062	4,0000	1.276,687					4,4824	1.277,169	0,482
16+38,210	-8,9343	1.277,214	-0,078											-8,9343	1.277,292	2,00	1.277,104	1.277,221	-0,117	0,0000	1.277,221		2,5000	1.277,096	4,0000	1.276,721					4,4866	1.277,208	0,487
16+40,000	-8,8734	1.277,219	-0,087											-8,8734	1.277,306	2,00	1.277,154	1.277,236	-0,082	0,0000	1.277,236		2,5000	1.277,111	4,0000	1.276,736					4,4881	1.277,224	0,488
16+57,685	-8,5382	1.277,114	-0,359											-8,5382	1.277,473	2,00	1.277,323	1.277,418	-0,095	0,0000	1.277,418		2,5000	1.277,293	4,0000	1.276,918					4,4811	1.277,399	0,481
16+60,000	-8,4894	1.277,160	-0,326											-8,4894	1.277,486	1,78	1.277,364	1.277,446	-0,082	0,0000	1.277,446		2,5000	1.277,321	4,0000	1.276,946					4,4963	1.277,442	0,496
16+78,504	-8,4609	1.277,291	-0,307											-8,4609	1.277,598	0,00	1.277,102	1.277,673	-0,571	0,0000	1.277,673		2,5000	1.277,548	4,0000	1.277,473					5,3802	1.276,553	-0,920
16+80,000	-8,5317	1.277,256	-0,354											-8,5317	1.277,610	-0,10	1.276,605	1.277,691	-1,086	0,0000	1.277,691		2,5000	1.277,566	4,0000	1.277,491					5,3493	1.276,591	-0,900
16+98,114	-9,1405	1.276,990	-0,760											-9,1405	1.277,750	-1,37	1.277,028	1.277,914	-0,886	0,0000	1.277,914		2,5000	1.277,789	4,0000	1.277,714					4,9860	1.277,057	-0,657
16+100,000	-6,5000	1.277,012	-0,827											-6,5000	1.277,839	-1,50	1.277,053	1.277,937	-0,884	0,0000	1.277,937		2,5000	1.277,812	4,0000	1.277,737					5,0016	1.277,069	-0,668
16+107,117	-6,5000	1.277,102	-0,793											-6,5000	1.277,895	-2,00	1.277,137	1.278,025	-0,888	0,0000	1.278,025		2,5000	1.277,900	4,0000	1.277,825					5,0601	1.277,118	-0,707
16+120,000	-5,8251	1.277,243	-0,823											-5,8251	1.278,066	-2,00	1.277,235	1.278,183	-0,948	0,0000	1.278,183		2,5000	1.278,058	4,0000	1.277,983					5,1628	1.277,208	-0,775
16+140,000	-4,7774	1.277,393	-0,940											-4,7774	1.278,333	-2,00	1.277,384	1.278,429	-1,045	0,0000	1.278,429		2,5000	1.278,304	4,0000	1.278,229					5,3014	1.277,361	-0,868
16+145,296	-4,5000	1.277,432	-0,972											-4,5000	1.278,404	-2,00	1.277,425	1.278,494	-1,069	0,0000	1.278,494		2,5000	1.278,369	4,0000	1.278,294					5,3361	1.277,403	-0,891
16+160,000	-5,4689	1.277,532	-1,033											-5,4689	1.278,565	-2,00	1.277,493	1.278,674	-1,181	0,0000	1.278,674		2,5000	1.278,549	4,0000	1.278,474					5,5611	1.277,433	-1,041
16+180,000	-6,7869	1.277,558	-1,115											-6,7869	1.278,673	-2,00	1.277,523	1.278,809	-1,286	0,0000	1.278,809		2,5000	1.278,684	4,0000	1.278,609					5,7778	1.277,424	-1,185
16+190,822	-7,5000	1.277,287	-1,351											-7,5000	1.278,638	-2,00	1.277,260	1.278,788	-1,528	0,0000	1.278,788		2,5000	1.278,663	4,0000	1.278,588					6,0631	1.277,213	-1,375
16+195,895	-10,8580	1.277,188	-1,367											-8,8072	1.278,555	-1,74	1.277,141	1.278,756	-1,615	0,0000	1.278,756		2,5000	1.278,631	4,0000	1.278,556					6,0748	1.277,173	-1,383
16+200,000	-10,8005	1.277,103	-1,433											-7,3072	1.278,630	-1,52	1.277,042	1.278,720	-1,678	0,0000	1.278,720		2,5000	1.278,595	4,0000	1.278,520					6,0722	1.277,139	-1,381
16+217,137	-11,9323	1.275,811	-2,622											-8,6512	1.278,536	-0,63	1.275,840	1.278,549	-2,709	0,0000	1.278,549		2,5000	1.278,424	4,0000	1.278,349					5,8379	1.277,124	-1,225
16+220,000	-12,2570	1.275,576	-2,838											-8,0000	1.278,414	-0,48	1.275,625	1.278,520	-2,895	0,0000	1.278,520		2,5000	1.278,395	4,0000	1.278,320					6,6800	1.276,533	-1,787
16+229,170	-11,3011	1.276,152	-2,201											-8,0000	1.278,353	0,00	1.275,128	1.278,428	-3,300	0,0000	1.278,428		2,5000	1.278,303	4,0000	1.278,228					8,1693	1.275,448	-2,780
16+240,000	-9,2197	1.277,478	-0,813											-8,0000	1.278,291	0,70	1.274,830	1.278,320	-3,490	0,0000	1.278,320		2,5000	1.278,195	4,0000	1.278,120					8,4142	1.275,177	-2,943
16+260,000	-9,0935	1.277,446	-0,729											-8,0000	1.278,175	2,00	1.277,436	1.278,120	-0,684	0,0000	1.278,120		2,5000	1.277,995	4,0000	1.277,920					8,7605	1.274,746	-3,174
16+280,000	-8,4564	1.277,696	-0,304											-8,0000	1.278,000	2,00	1.277,559	1.277,945	-0,386	0,0000	1.277,945		2,5000	1.277,820	4,0000	1.277,745					4,5087	1.277,406	-0,339
16+287,181	-8,2968	1.277,751	-0,198											-8,0000	1.277,949	2,00	1.277,592	1.277,894	-0,302	0,0000	1.277,894		2,5000	1.277,769	4,0000	1.277,694					4,4536	1.277,392	-0,302
16+292,776	-6,5000	1.277,720	-0,269											-6,5000	1.277,989	2,00	1.277,437	1.277,859	-0,422	0,0000	1.277,859		2,5000	1.277,734	4,0000	1.277,659					4,2744	1.277,476	-0,183
16+300,000	-6,0027	1.277,744	-0,196											-6,0027	1.277,940	2,00	1.277,498	1.277,820	-0,322	0,0000	1.277,820		2,5000	1.277,695	4,0000	1.277,620					4,0848	1.277,563	-0,057
16+320,000	-4,6259	1.277,754	-0,059											-4,6259	1.277,813	2,00	1.277,544	1.277,720	-0,176	0,0000	1.277,720		2,5000	1.277,595	4,0000	1.277,520					4,0699	1.277,473	-0,047
16+336,356	-3,5000	1.277,708	0,000											-3,5000	1.277,708	2,00	1.277,542	1.277,638	-0,096	0,0000	1.277,638		2,5000	1.277,513	4,0000	1.277,438					4,0426	1.277,410	-0,028



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

NOTAS DE SERVIÇO DE CAMADA ACABADA



DISP KM 16-RAMO 4-NS

ESTACA	LADO ESQUERDO												EIXO			LADO DIREITO																	
	33-OFFSET			12-FIM VALETA		11-INI VALETA		10-CANALETA		9-ACOST		8-BORDO			TERR	PROJ	VERM	8-BORDO			9-ACOST		10-CANALETA		11-INI VALETA		12-FIM VALETA		33-OFFSET				
DIST	COTA	ALT	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	%	COTA	COTA	ALT	DIST	COTA	%	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	DIST	COTA	ALT			
16	-3,5000	1.277,707	-0,001											-3,5000	1.277,708	2,00	1.277,700	1.277,638	0,062	0,0000	1.277,638		2,5000	1.277,513	4,0000	1.277,138					4,4411	1.277,579	0,441
16+20,000	-5,3480	1.277,693	-0,165											-5,3480	1.277,858	2,00	1.277,686	1.277,751	-0,065	0,0000	1.277,751		2,5000	1.277,626	4,0000	1.277,251					4,3069	1.277,558	0,307
16+40,000	-7,1960	1.277,782	-0,252											-7,1960	1.278,034	2,00	1.277,614	1.277,890	-0,276	0,0000	1.277,890		2,5000	1.277,765	4,0000	1.277,690					4,1285	1.277,604	-0,086
16+43,290	-7,5000	1.277,802	-0,263											-7,5000	1.278,065	2,00	1.277,595	1.277,915	-0,320	0,0000	1.277,915		2,5000	1.277,790	4,0000	1.277,715					4,1390	1.277,622	-0,093
16+48,844	-9,1154	1.277,798	-0,230											-8,7697	1.278,103	2,00	1.277,559	1.277,958	-0,399	0,0000	1.277,958		2,5000	1.277,833	4,0000	1.277,758					4,1204	1.277,678	-0,080
16+60,000	-8,8469	1.277,747	-0,360											-8,3071	1.278,107	2,00	1.277,664	1.278,045	-0,381	0,0000	1.278,045		2,5000	1.277,920	4,0000	1.277,845					4,2133	1.277,703	-0,142
16+67,406	-8,7265	1.277,674	-0,484											-8,0000	1.278,158	2,00	1.277,732	1.278,103	-0,371	0,0000	1.278,103		2,5000	1.277,978	4,0000	1.277,903					4,3210	1.277,689	-0,214
16+80,000	-9,1192	1.277,510	-0,746											-8,0000	1.278,256	2,00	1.277,563	1.278,201	-0,638	0,0000	1.278,201		2,5000	1.278,076	4,0000	1.278,001					4,8253	1.277,451	-0,550
16+100,000	-9,4465	1.277,449	-0,964											-8,0000	1.278,413	2,00	1.277,294	1.278,358	-1,064	0,0000	1.278,358		2,5000	1.278,233	4,0000	1.278,158					5,3502	1.277,258	-0,900
16+120,000	-9,7942	1.277,268	-1,196											-8,0000	1.278,464	2,00	1.277,208	1.278,409	-1,201	0,0000	1.278,409		2,5000	1.278,284	4,0000	1.278,209					5,5792	1.277,156	-1,053
16+122,443	-9,8218	1.277,241	-1,215											-8,0000	1.278,456	2,00	1.277,253	1.278,401	-1,148	0,0000	1.278,401		2,5000	1.278,276	4,0000	1.278,201					5,5555	1.277,164	-1,037
16+127,948	-6,5000	1.277,335	-1,166											-6,5000	1.278,501	2,00	1.277,370	1.278,371	-1,001	0,0000	1.278,371		2,5000	1.278,246	4,0000	1.278,171					5,3472	1.277,273	-0,898
16+140,000	-5,5413	1.277,366	-0,996											-5,5413	1.278,362	2,00	1.277,485	1.278,252	-0,767	0,0000	1.278,252		2,5000	1.278,127	4,0000	1.278,052					4,8239	1.277,503	-0,549
16+153,091	-4,5000	1.276,924	-1,246											-4,5000	1.278,170	2,00	1.276,985	1.278,080	-1,095	0,0000	1.278,080		2,5000	1.277,955	4,0000	1.277,880					5,2338	1.277,057	-0,823
16+160,000	-5,1972	1.276,878	-1,215											-5,1972	1.278,093	2,00	1.276,848	1.277,990	-1,142	0,0000	1.277,990		2,5000	1.277,865	4,0000	1.277,790					5,2994	1.276,924	-0,866
16+180,000	-7,2152	1.276,683	-1,189											-7,2152	1.277,872	2,00	1.276,510	1.277,728	-1,218	0,0000	1.277,728		2,5000	1.277,603	4,0000	1.277,528					5,8066	1.276,324	-1,204
16+182,822	-7,5000	1.276,692	-1,149											-7,5000	1.277,841	2,00	1.276,516	1.277,691	-1,175	0,0000	1.277,691		2,5000	1.277,566	4,0000	1.277,491					5,7403	1.276,331	-1,160
16+185,926	-10,3329	1.276,748	-0,974											-8,8713	1.277,722	2,00	1.276,520	1.277,650	-1,130	0,0000	1.277,650		2,5000	1.277,525	4,0000	1.277,450					5,6687	1.276,338	-1,112
16+200,000	-9,5936	1.276,655	-0,871											-8,2877	1.277,526	2,00	1.276,500	1.277,466	-0,966	0,0000	1.277,466		2,5000	1.277,341	4,0000	1.277,266					5,3783	1.276,347	-0,919
16+206,938	-9,0288	1.276,744	-0,686											-8,0000	1.277,430	2,00	1.276,479	1.277,375	-0,896	0,0000	1.277,375		2,5000	1.277,250	4,0000	1.277,175					5,2670	1.276,330	-0,845
16+220,000	-8,6482	1.276,827	-0,432											-6,5000	1.277,334	2,00	1.276,394	1.277,204	-0,810	0,0000	1.277,204		2,5000	1.277,079	4,0000	1.277,004					5,1029	1.276,269	-0,735
16+227,955	-8,7233	1.276,672	-0,482											-8,0000	1.277,154	2,00	1.276,369	1.277,099	-0,730	0,0000	1.277,099		2,5000	1.276,974	4,0000	1.276,899					5,0314	1.276,211	-0,688
16+232,656	-6,5000	1.276,656	-0,512											-6,5000	1.277,168	2,00	1.276,363	1.277,038	-0,675	0,0000	1.277,038		2,5000	1.276,913	4,0000	1.276,838					4,9780	1.276,186	-0,652
16+240,000	-5,8984	1.276,549	-0,510											-5,8984	1.277,059	2,00	1.276,308	1.276,942	-0,634	0,0000	1.276,942		2,5000	1.276,817	4,0000	1.276,742					4,9009	1.276,141	-0,601
16+260,000	-4,2600	1.276,286	-0,479											-4,2600	1.276,765	2,00	1.276,124	1.276,680	-0,556	0,0000	1.276,680		2,5000	1.276,555	4,0000	1.276,480					4,6350	1.276,057	-0,423
16+269,277	-3,5000	1.276,157	-0,471											-3,5000	1.276,628	2,00	1.276,033	1.276,558	-0,525	0,0000	1.276,558		2,5000	1.276,433	4,0000	1.276,358					4,6350	1.275,935	-0,423

4 – RELATÓRIO DE VOLUMES POR CATEGORIAS



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
0+144,858	6,351		0,000		0,000		0,000	
0+160,000	10,738	129,381	0,000	0,000	0,000	0,000	0,000	0,000
0+180,000	10,085	208,230	0,000	0,000	0,000	0,000	0,000	0,000
0+200,000	6,985	170,700	0,000	0,000	0,000	0,000	0,000	0,000
0+220,000	5,450	124,350	0,000	0,000	0,000	0,000	0,000	0,000
0+240,000	5,161	106,110	0,000	0,000	0,000	0,000	0,000	0,000
0+243,697	5,000	18,783	0,000	0,000	0,000	0,000	0,000	0,000
0+260,000	2,742	63,109	0,000	0,000	0,000	0,000	0,000	0,000
0+271,283	1,565	24,298	0,000	0,000	0,000	0,000	0,000	0,000
0+280,000	0,941	10,922	0,000	0,000	0,000	0,000	0,111	0,484
0+284,249	0,774	3,644	0,000	0,000	0,000	0,000	0,141	0,535
0+298,870	0,560	9,752	0,000	0,000	0,000	0,000	0,436	4,218
0+300,000	0,562	0,634	0,000	0,000	0,000	0,000	0,480	0,518
0+311,283	1,076	9,241	0,000	0,000	0,000	0,000	2,249	15,396
0+320,000	1,245	10,116	0,000	0,000	0,000	0,000	3,410	24,665
0+340,000	1,145	23,900	0,000	0,000	0,000	0,000	4,027	74,370
0+360,000	1,665	28,100	0,000	0,000	0,000	0,000	2,202	62,290
0+380,000	0,743	24,080	0,000	0,000	0,000	0,000	0,824	30,260
0+400,000	0,648	13,910	0,000	0,000	0,000	0,000	1,022	18,460
0+420,000	0,755	14,030	0,000	0,000	0,000	0,000	0,646	16,680
0+440,000	0,771	15,260	0,000	0,000	0,000	0,000	0,307	9,530
0+460,000	0,869	16,400	0,010	0,100	0,000	0,000	0,450	7,570
0+480,000	1,000	18,690	0,028	0,380	0,000	0,000	0,848	12,980
0+500,000	0,804	18,040	0,075	1,030	0,000	0,000	0,711	15,590
0+520,000	0,766	15,700	0,801	8,760	0,000	0,000	0,924	16,350
0+540,000	0,739	15,050	0,097	8,980	0,000	0,000	1,387	23,110
0+560,000	0,526	12,650	0,024	1,210	0,000	0,000	1,829	32,160
0+580,000	1,087	16,130	0,000	0,240	0,000	0,000	4,227	60,560
0+600,000	0,041	11,280	0,000	0,000	0,000	0,000	8,539	127,660
0+620,000	0,970	10,110	0,000	0,000	0,000	0,000	7,338	158,770
0+640,000	1,507	24,770	0,000	0,000	0,000	0,000	5,935	132,730
0+660,000	0,114	16,210	0,000	0,000	0,000	0,000	4,915	108,500
0+680,000	0,209	3,230	0,000	0,000	0,000	0,000	3,425	83,400
0+700,000	0,105	3,140	0,000	0,000	0,000	0,000	0,070	34,950
0+706,846	1,621	5,908	0,000	0,000	0,000	0,000	0,000	0,240
0+719,259	2,327	24,503	0,000	0,000	0,000	0,000	0,000	0,000
0+720,000	2,332	1,726	0,000	0,000	0,000	0,000	0,000	0,000
0+733,880	3,521	40,620	0,000	0,000	0,000	0,000	0,000	0,000
0+740,000	3,110	20,291	0,000	0,000	0,000	0,000	0,000	0,000
0+746,846	2,650	19,716	0,000	0,000	0,000	0,000	0,000	0,000
0+760,000	2,360	32,951	0,000	0,000	0,000	0,000	0,000	0,000
0+774,432	2,216	33,020	0,000	0,000	0,000	0,000	0,000	0,000



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9
CATEGORIAS
DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
0+780,000	2,329	12,653	0,000	0,000	0,000	0,000	0,007	0,019
0+800,000	1,707	40,360	0,000	0,000	0,000	0,000	0,236	2,430
0+820,000	1,824	35,310	0,000	0,000	0,000	0,000	5,129	53,650
0+840,000	1,232	30,560	0,000	0,000	0,000	0,000	7,894	130,230
0+860,000	1,184	24,160	0,000	0,000	0,000	0,000	10,921	188,150
0+880,000	0,908	20,920	0,000	0,000	0,000	0,000	9,509	204,300
0+900,000	0,850	17,580	0,000	0,000	0,000	0,000	9,844	193,530
0+920,000	0,855	17,050	0,000	0,000	0,000	0,000	9,055	188,990
0+940,000	1,118	19,730	0,000	0,000	0,000	0,000	2,590	116,450
0+960,000	2,871	39,890	0,000	0,000	0,000	0,000	0,000	25,900
0+980,000	2,555	54,260	0,000	0,000	0,000	0,000	0,000	0,000
1	1,558	41,130	0,000	0,000	0,000	0,000	0,118	1,180
1+20,000	2,044	36,020	0,000	0,000	0,000	0,000	0,715	8,330
1+40,000	3,904	59,480	0,000	0,000	0,000	0,000	0,180	8,950
1+60,000	4,467	83,710	2,219	22,190	0,000	0,000	0,000	1,800
1+80,000	3,164	76,310	5,630	78,490	0,000	0,000	0,000	0,000
1+100,000	3,071	62,350	8,160	137,900	0,000	0,000	0,000	0,000
1+120,000	3,182	62,530	10,837	189,970	0,000	0,000	0,000	0,000
1+140,000	3,161	63,430	10,143	209,800	0,000	0,000	0,000	0,000
1+160,000	3,123	62,840	9,319	194,620	0,000	0,000	0,000	0,000
1+180,000	4,790	79,130	6,406	157,250	0,000	0,000	0,000	0,000
1+200,000	4,713	95,030	4,728	111,340	0,000	0,000	0,000	0,000
1+220,000	4,468	91,810	0,780	55,080	0,000	0,000	0,000	0,000
1+240,000	4,625	90,930	6,742	75,220	0,000	0,000	0,000	0,000
1+260,000	2,629	72,540	4,719	114,610	0,000	0,000	0,016	0,160
1+280,000	0,985	36,140	0,691	54,100	0,000	0,000	3,682	36,980
1+300,000	0,235	12,200	0,000	6,910	0,000	0,000	13,258	169,400
1+320,000	0,000	2,350	0,000	0,000	0,000	0,000	33,512	467,700
1+340,000	0,000	0,000	0,000	0,000	0,000	0,000	50,080	835,920
1+360,000	0,000	0,000	0,000	0,000	0,000	0,000	59,030	1.091,100
1+380,000	0,000	0,000	0,000	0,000	0,000	0,000	48,765	1.077,950
1+400,000	0,000	0,000	0,000	0,000	0,000	0,000	34,342	831,070
1+420,000	0,000	0,000	0,000	0,000	0,000	0,000	21,276	556,180
1+440,000	0,000	0,000	0,000	0,000	0,000	0,000	9,921	311,970
1+460,000	0,070	0,700	0,343	3,430	0,000	0,000	3,459	133,800
1+480,000	0,000	0,700	14,439	147,820	0,000	0,000	0,000	34,590
1+500,000	0,000	0,000	21,281	357,200	0,000	0,000	0,000	0,000
1+520,000	0,000	0,000	28,436	497,170	0,000	0,000	0,000	0,000
1+540,000	0,000	0,000	32,532	609,680	0,000	0,000	0,000	0,000
1+560,000	0,000	0,000	29,215	617,470	0,000	0,000	0,000	0,000
1+580,000	0,000	0,000	16,332	455,470	0,000	0,000	0,000	0,000
1+600,000	0,000	0,000	11,306	276,380	0,000	0,000	0,000	0,000



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
1+620,000	0,143	1,430	1,795	131,010	0,000	0,000	0,000	0,000
1+640,000	0,825	9,680	0,676	24,710	0,000	0,000	0,510	5,100
1+660,000	1,325	21,500	0,168	8,440	0,000	0,000	0,915	14,250
1+680,000	0,452	17,770	0,000	1,680	0,000	0,000	3,366	42,810
1+700,000	0,000	4,520	0,000	0,000	0,000	0,000	5,698	90,640
1+720,000	0,020	0,200	0,000	0,000	0,000	0,000	5,764	114,620
1+740,000	1,067	10,870	0,000	0,000	0,000	0,000	3,833	95,970
1+760,000	0,514	15,810	0,000	0,000	0,000	0,000	3,859	76,920
1+780,000	0,345	8,590	0,000	0,000	0,000	0,000	3,193	70,520
1+800,000	0,167	5,120	0,000	0,000	0,000	0,000	1,923	51,160
1+820,000	0,991	11,580	0,000	0,000	0,000	0,000	0,981	29,040
1+840,000	1,108	20,990	0,000	0,000	0,000	0,000	0,533	15,140
1+860,000	1,241	23,490	0,000	0,000	0,000	0,000	0,431	9,640
1+880,000	0,726	19,670	0,000	0,000	0,000	0,000	0,976	14,070
1+900,000	0,258	9,840	0,000	0,000	0,000	0,000	1,083	20,590
1+920,000	0,330	5,880	0,000	0,000	0,000	0,000	2,202	32,850
1+940,000	0,399	7,290	0,000	0,000	0,000	0,000	3,020	52,220
1+960,000	0,480	8,790	0,000	0,000	0,000	0,000	2,947	59,670
1+980,000	0,588	10,680	0,000	0,000	0,000	0,000	2,172	51,190
2	1,037	16,250	0,000	0,000	0,000	0,000	1,744	39,160
2+20,000	0,623	16,600	0,000	0,000	0,000	0,000	1,798	35,420
2+33,644	0,587	8,255	0,000	0,000	0,000	0,000	1,782	24,423
2+40,000	0,574	3,690	0,000	0,000	0,000	0,000	1,558	10,615
2+60,000	0,566	11,400	0,000	0,000	0,000	0,000	1,110	26,680
2+80,000	0,774	13,400	0,000	0,000	0,000	0,000	1,599	27,090
2+100,000	0,340	11,140	0,000	0,000	0,000	0,000	1,830	34,290
2+110,000	0,165	2,525	0,000	0,000	0,000	0,000	1,668	17,490
2+120,000	0,130	1,475	0,000	0,000	0,000	0,000	1,436	15,520
2+140,000	0,000	1,300	0,000	0,000	0,000	0,000	1,088	25,240
2+160,000	0,576	5,760	0,000	0,000	0,000	0,000	2,772	38,600
2+180,000	0,391	9,670	0,000	0,000	0,000	0,000	3,365	61,370
2+200,000	0,463	8,540	0,000	0,000	0,000	0,000	3,922	72,870
2+220,000	0,234	6,970	0,000	0,000	0,000	0,000	5,215	91,370
2+240,000	0,557	7,910	0,000	0,000	0,000	0,000	4,472	96,870
2+260,000	0,819	13,760	0,000	0,000	0,000	0,000	3,668	81,400
2+280,000	0,454	12,730	0,000	0,000	0,000	0,000	3,761	74,290
2+300,000	0,000	4,540	0,000	0,000	0,000	0,000	5,690	94,510
2+320,000	0,296	2,960	0,000	0,000	0,000	0,000	4,580	102,700
2+340,000	0,605	9,010	0,000	0,000	0,000	0,000	4,310	88,900
2+360,000	0,496	11,010	0,000	0,000	0,000	0,000	4,388	86,980
2+380,000	0,543	10,390	0,000	0,000	0,000	0,000	4,899	92,870
2+400,000	0,572	11,150	0,000	0,000	0,000	0,000	4,996	98,950



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
2+420,000	0,588	11,600	0,000	0,000	0,000	0,000	4,843	98,390
2+440,000	0,769	13,570	0,000	0,000	0,000	0,000	4,553	93,960
2+460,000	0,257	10,260	0,000	0,000	0,000	0,000	5,746	102,990
2+480,000	0,209	4,660	0,000	0,000	0,000	0,000	6,612	123,580
2+500,000	0,334	5,430	0,000	0,000	0,000	0,000	7,111	137,230
2+520,000	0,708	10,420	0,000	0,000	0,000	0,000	7,390	145,010
2+540,000	0,128	8,360	0,000	0,000	0,000	0,000	7,672	150,620
2+560,000	0,019	1,470	0,000	0,000	0,000	0,000	7,765	154,370
2+570,000	0,015	0,170	0,000	0,000	0,000	0,000	7,616	76,905
2+580,000	0,031	0,230	0,000	0,000	0,000	0,000	7,216	74,160
2+600,000	0,243	2,740	0,000	0,000	0,000	0,000	6,752	139,680
2+620,000	0,411	6,540	0,000	0,000	0,000	0,000	4,333	110,850
2+640,000	0,294	7,050	0,000	0,000	0,000	0,000	4,093	84,260
2+660,000	0,225	5,190	0,000	0,000	0,000	0,000	2,900	69,930
2+680,000	0,869	10,940	0,000	0,000	0,000	0,000	1,759	46,590
2+700,000	0,004	8,730	0,000	0,000	0,000	0,000	0,855	26,140
2+720,000	0,397	4,010	0,000	0,000	0,000	0,000	0,432	12,870
2+740,000	3,876	42,730	0,000	0,000	0,000	0,000	0,000	4,320
2+760,000	3,837	77,130	0,000	0,000	0,000	0,000	0,000	0,000
2+780,000	2,664	65,010	0,000	0,000	0,000	0,000	0,000	0,000
2+800,000	5,127	77,910	0,000	0,000	0,000	0,000	0,000	0,000
2+820,000	4,534	96,610	0,000	0,000	0,000	0,000	0,000	0,000
2+840,000	4,443	89,770	0,000	0,000	0,000	0,000	0,000	0,000
2+860,000	4,569	90,120	0,000	0,000	0,000	0,000	0,000	0,000
2+880,000	4,706	92,750	0,000	0,000	0,000	0,000	0,000	0,000
2+900,000	3,881	85,870	0,000	0,000	0,000	0,000	0,000	0,000
2+920,000	2,088	59,690	0,000	0,000	0,000	0,000	0,000	0,000
2+940,000	0,210	22,980	0,000	0,000	0,000	0,000	0,058	0,580
2+960,000	0,000	2,100	0,000	0,000	0,000	0,000	0,782	8,400
2+980,000	0,342	3,420	0,000	0,000	0,000	0,000	3,031	38,130
3	0,284	6,260	0,000	0,000	0,000	0,000	4,397	74,280
3+20,000	0,233	5,170	0,000	0,000	0,000	0,000	5,458	98,550
3+40,000	0,162	3,950	0,000	0,000	0,000	0,000	5,784	112,420
3+60,000	0,177	3,390	0,000	0,000	0,000	0,000	5,634	114,180
3+80,000	0,298	4,750	0,000	0,000	0,000	0,000	5,213	108,470
3+100,000	0,209	5,070	0,000	0,000	0,000	0,000	4,528	97,410
3+120,000	0,198	4,070	0,000	0,000	0,000	0,000	3,924	84,520
3+140,000	0,253	4,510	0,000	0,000	0,000	0,000	3,410	73,340
3+160,000	0,000	2,530	0,000	0,000	0,000	0,000	1,277	46,870
3+180,000	0,522	5,220	0,000	0,000	0,000	0,000	0,481	17,580
3+200,000	0,158	6,800	0,000	0,000	0,000	0,000	0,686	11,670
3+220,000	0,006	1,640	0,000	0,000	0,000	0,000	1,358	20,440



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
3+240,000	0,000	0,060	0,000	0,000	0,000	0,000	0,943	23,010
3+260,000	0,185	1,850	0,000	0,000	0,000	0,000	0,757	17,000
3+280,000	0,000	1,850	0,000	0,000	0,000	0,000	0,580	13,370
3+300,000	0,000	0,000	0,000	0,000	0,000	0,000	0,365	9,450
3+320,000	0,000	0,000	0,000	0,000	0,000	0,000	0,176	5,410
3+340,000	0,029	0,290	0,000	0,000	0,000	0,000	0,402	5,780
3+360,000	0,251	2,800	0,000	0,000	0,000	0,000	0,345	7,470
3+380,000	0,417	6,680	0,000	0,000	0,000	0,000	0,297	6,420
3+400,000	0,966	13,830	0,000	0,000	0,000	0,000	0,000	2,970
3+420,000	0,040	10,060	0,000	0,000	0,000	0,000	0,231	2,310
3+440,000	0,303	3,430	0,000	0,000	0,000	0,000	1,139	13,700
3+460,000	0,295	5,980	0,000	0,000	0,000	0,000	0,259	13,980
3+480,000	0,799	10,940	0,000	0,000	0,000	0,000	0,123	3,820
3+500,000	1,522	23,210	0,000	0,000	0,000	0,000	0,000	1,230
3+520,000	1,750	32,720	0,000	0,000	0,000	0,000	0,052	0,520
3+540,000	2,569	43,190	0,000	0,000	0,000	0,000	0,000	0,520
3+560,000	2,802	53,710	0,000	0,000	0,000	0,000	0,000	0,000
3+580,000	2,914	57,160	0,000	0,000	0,000	0,000	0,000	0,000
3+590,000	2,776	28,450	0,000	0,000	0,000	0,000	0,000	0,000
3+600,000	2,626	27,010	0,000	0,000	0,000	0,000	0,000	0,000
3+620,000	2,613	52,390	0,000	0,000	0,000	0,000	0,000	0,000
3+640,000	2,373	49,860	0,000	0,000	0,000	0,000	0,000	0,000
3+660,000	1,832	42,050	0,000	0,000	0,000	0,000	0,000	0,000
3+680,000	2,579	44,110	0,000	0,000	0,000	0,000	0,000	0,000
3+700,000	2,643	52,220	0,000	0,000	0,000	0,000	0,000	0,000
3+720,000	1,361	40,040	0,000	0,000	0,000	0,000	0,000	0,000
3+740,000	0,996	23,570	0,000	0,000	0,000	0,000	0,015	0,150
3+760,000	2,127	31,230	0,000	0,000	0,000	0,000	0,000	0,150
3+780,000	2,845	49,720	0,000	0,000	0,000	0,000	0,000	0,000
3+800,000	2,893	57,380	0,000	0,000	0,000	0,000	0,000	0,000
3+820,000	2,517	54,100	0,000	0,000	0,000	0,000	0,074	0,740
3+830,000	2,162	23,395	0,000	0,000	0,000	0,000	0,063	0,685
3+840,000	2,154	21,580	0,000	0,000	0,000	0,000	0,084	0,735
3+860,000	0,940	30,940	0,000	0,000	0,000	0,000	0,743	8,270
3+880,000	0,761	17,010	0,000	0,000	0,000	0,000	0,228	9,710
3+900,000	0,919	16,800	0,000	0,000	0,000	0,000	0,085	3,130
3+920,000	0,703	16,220	0,000	0,000	0,000	0,000	0,691	7,760
3+940,000	1,448	21,510	0,000	0,000	0,000	0,000	0,044	7,350
3+950,000	1,752	16,000	0,000	0,000	0,000	0,000	0,000	0,220
3+960,000	2,791	22,715	0,000	0,000	0,000	0,000	0,000	0,000
3+980,000	2,421	52,120	0,000	0,000	0,000	0,000	0,000	0,000
4	1,945	43,660	0,000	0,000	0,000	0,000	0,004	0,040



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
4+20,000	1,101	30,460	0,000	0,000	0,000	0,000	0,070	0,740
4+40,000	0,894	19,950	0,000	0,000	0,000	0,000	0,000	0,700
4+60,000	1,874	27,680	0,000	0,000	0,000	0,000	0,000	0,000
4+80,000	30,192	320,660	0,000	0,000	0,000	0,000	0,021	0,210
4+100,000	30,489	606,810	0,000	0,000	0,000	0,000	0,414	4,350
4+120,000	29,162	596,510	0,000	0,000	0,000	0,000	0,397	8,110
4+140,000	25,556	547,180	0,000	0,000	0,000	0,000	1,103	15,000
4+150,000	22,188	238,720	0,000	0,000	0,000	0,000	1,754	14,285
4+160,000	21,357	217,725	0,000	0,000	0,000	0,000	2,317	20,355
4+180,000	19,862	412,190	0,000	0,000	0,000	0,000	2,776	50,930
4+200,000	20,756	406,180	0,000	0,000	0,000	0,000	2,497	52,730
4+220,000	19,358	401,140	0,000	0,000	0,000	0,000	2,487	49,840
4+240,000	18,371	377,290	0,000	0,000	0,000	0,000	2,779	52,660
4+260,000	22,736	411,070	0,000	0,000	0,000	0,000	0,266	30,450
4+280,000	28,447	511,830	0,000	0,000	0,000	0,000	0,000	2,660
4+300,000	29,223	576,700	0,000	0,000	0,000	0,000	0,000	0,000
4+320,000	26,593	558,160	0,000	0,000	0,000	0,000	0,000	0,000
4+340,000	24,717	513,100	0,000	0,000	0,000	0,000	0,000	0,000
4+360,000	10,100	348,170	0,000	0,000	0,000	0,000	0,020	0,200
4+380,000	10,016	201,160	0,000	0,000	0,000	0,000	0,402	4,220
4+400,000	9,502	195,180	0,000	0,000	0,000	0,000	0,400	8,020
4+420,000	10,117	196,190	0,000	0,000	0,000	0,000	0,580	9,800
4+440,000	10,436	205,530	0,000	0,000	0,000	0,000	0,470	10,500
4+460,000	10,211	206,470	0,000	0,000	0,000	0,000	0,051	5,210
4+480,000	10,169	203,800	0,000	0,000	0,000	0,000	0,013	0,640
4+500,000	9,805	199,740	0,000	0,000	0,000	0,000	0,087	1,000
4+520,000	11,012	208,170	0,000	0,000	0,000	0,000	0,233	3,200
4+540,000	9,556	205,680	0,000	0,000	0,000	0,000	0,244	4,770
4+560,000	6,580	161,360	0,000	0,000	0,000	0,000	0,518	7,620
4+580,000	7,847	144,270	0,000	0,000	0,000	0,000	0,930	14,480
4+600,000	9,842	176,890	0,000	0,000	0,000	0,000	0,000	9,300
4+620,000	6,641	164,830	0,000	0,000	0,000	0,000	0,586	5,860
4+640,000	7,276	139,170	0,000	0,000	0,000	0,000	2,405	29,910
4+660,000	7,845	151,210	0,000	0,000	0,000	0,000	3,103	55,080
4+680,000	6,628	144,730	0,000	0,000	0,000	0,000	2,233	53,360
4+700,000	7,717	143,450	0,000	0,000	0,000	0,000	2,223	44,560
4+720,000	9,038	167,550	0,000	0,000	0,000	0,000	1,975	41,980
4+740,000	6,249	152,870	0,000	0,000	0,000	0,000	1,736	37,110
4+760,000	8,720	149,690	0,000	0,000	0,000	0,000	1,680	34,160
4+780,000	8,535	172,550	0,000	0,000	0,000	0,000	1,258	29,380
4+800,000	6,206	147,410	0,000	0,000	0,000	0,000	1,118	23,760
4+820,000	5,385	115,910	0,000	0,000	0,000	0,000	1,338	24,560



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
4+840,000	7,397	127,820	0,000	0,000	0,000	0,000	1,321	26,590
4+860,000	8,679	160,760	0,000	0,000	0,000	0,000	1,909	32,300
4+880,000	8,567	172,460	0,000	0,000	0,000	0,000	1,984	38,930
4+900,000	6,191	147,580	0,000	0,000	0,000	0,000	1,867	38,510
4+920,000	6,448	126,390	0,000	0,000	0,000	0,000	1,356	32,230
4+940,000	6,660	131,080	0,000	0,000	0,000	0,000	1,732	30,880
4+960,000	0,232	68,920	0,000	0,000	0,000	0,000	2,245	39,770
4+980,000	0,102	3,340	0,000	0,000	0,000	0,000	2,608	48,530
5	0,015	1,170	0,000	0,000	0,000	0,000	2,372	49,800
5+20,000	0,000	0,150	0,000	0,000	0,000	0,000	0,221	25,930
5+40,000	0,000	0,000	0,000	0,000	0,000	0,000	0,056	2,770
5+60,000	0,000	0,000	0,000	0,000	0,000	0,000	0,453	5,090
5+80,000	0,000	0,000	0,000	0,000	0,000	0,000	0,499	9,520
5+100,000	0,440	4,400	0,000	0,000	0,000	0,000	0,012	5,110
5+120,000	2,347	27,870	0,000	0,000	0,000	0,000	0,000	0,120
5+140,000	2,033	43,800	0,000	0,000	0,000	0,000	0,000	0,000
5+160,000	3,441	54,740	0,000	0,000	0,000	0,000	0,000	0,000
5+180,000	4,071	75,120	0,000	0,000	0,000	0,000	0,000	0,000
5+200,000	4,077	81,480	0,000	0,000	0,000	0,000	0,000	0,000
5+220,000	3,138	72,150	0,000	0,000	0,000	0,000	0,000	0,000
5+240,000	2,679	58,170	0,000	0,000	0,000	0,000	0,000	0,000
5+260,000	2,569	52,480	0,000	0,000	0,000	0,000	0,000	0,000
5+280,000	2,543	51,120	0,000	0,000	0,000	0,000	0,000	0,000
5+300,000	1,614	41,570	0,000	0,000	0,000	0,000	0,000	0,000
5+320,000	0,785	23,990	0,000	0,000	0,000	0,000	0,000	0,000
5+340,000	0,735	15,200	0,000	0,000	0,000	0,000	0,000	0,000
5+342,600	0,764	1,949	0,000	0,000	0,000	0,000	0,000	0,000
5+360,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
5+380,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
5+400,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
5+420,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
5+440,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
5+460,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
5+480,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
5+500,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
5+519,571	7,231	0,000	0,000	0,000	0,000	0,000	0,000	0,000
5+520,000	7,188	3,093	0,000	0,000	0,000	0,000	0,000	0,000
5+540,000	7,114	143,020	0,000	0,000	0,000	0,000	0,000	0,000
5+560,000	7,713	148,270	0,000	0,000	0,000	0,000	0,026	0,260
5+580,000	9,612	173,250	0,000	0,000	0,000	0,000	0,000	0,260
5+600,000	10,705	203,170	0,000	0,000	0,000	0,000	0,123	1,230
5+620,000	11,479	221,840	0,000	0,000	0,000	0,000	0,000	1,230



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
5+637,399	12,124	205,334	0,000	0,000	0,000	0,000	0,000	0,000
5+640,000	11,977	31,343	0,000	0,000	0,000	0,000	0,000	0,000
5+660,000	9,177	211,540	0,000	0,000	0,000	0,000	0,000	0,000
5+680,000	8,928	181,050	0,000	0,000	0,000	0,000	0,000	0,000
5+700,000	14,025	229,530	0,000	0,000	0,000	0,000	0,041	0,410
5+720,000	14,813	288,380	0,000	0,000	0,000	0,000	0,175	2,160
5+740,000	16,439	312,520	0,000	0,000	0,000	0,000	0,126	3,010
5+760,000	15,464	319,030	0,000	0,000	0,000	0,000	0,000	1,260
5+780,000	14,132	295,960	0,000	0,000	0,000	0,000	0,000	0,000
5+800,000	14,162	282,940	0,000	0,000	0,000	0,000	0,000	0,000
5+820,000	14,988	291,500	0,000	0,000	0,000	0,000	0,010	0,100
5+840,000	13,335	283,230	0,000	0,000	0,000	0,000	0,153	1,630
5+860,000	13,366	267,010	0,000	0,000	0,000	0,000	0,066	2,190
5+880,000	11,110	244,760	0,000	0,000	0,000	0,000	0,045	1,110
5+900,000	11,424	225,340	0,000	0,000	0,000	0,000	0,084	1,290
5+920,000	15,172	265,960	0,000	0,000	0,000	0,000	0,065	1,490
5+940,000	13,580	287,520	0,000	0,000	0,000	0,000	0,061	1,260
5+960,000	13,755	273,350	0,000	0,000	0,000	0,000	0,184	2,450
5+980,000	14,155	279,100	0,000	0,000	0,000	0,000	0,133	3,170
6	12,091	262,460	0,000	0,000	0,000	0,000	0,012	1,450
6+20,000	10,993	230,840	0,000	0,000	0,000	0,000	0,065	0,770
6+40,000	13,327	243,200	0,000	0,000	0,000	0,000	0,000	0,650
6+60,000	11,951	252,780	0,000	0,000	0,000	0,000	0,000	0,000
6+80,000	12,397	243,480	0,000	0,000	0,000	0,000	0,000	0,000
6+100,000	13,912	263,090	0,000	0,000	0,000	0,000	0,006	0,060
6+107,060	13,952	98,360	0,000	0,000	0,000	0,000	0,025	0,109
6+120,000	14,619	184,854	0,000	0,000	0,000	0,000	0,020	0,291
6+140,000	13,651	282,700	0,000	0,000	0,000	0,000	0,013	0,330
6+144,560	12,757	60,210	0,000	0,000	0,000	0,000	0,020	0,075
6+160,000	11,657	188,476	0,000	0,000	0,000	0,000	0,290	2,393
6+167,060	10,401	77,865	0,000	0,000	0,000	0,000	0,215	1,783
6+180,000	13,165	152,472	0,000	0,000	0,000	0,000	0,245	2,976
6+196,964	7,951	179,106	0,000	0,000	0,000	0,000	2,002	19,059
6+200,000	7,879	24,030	0,000	0,000	0,000	0,000	2,470	6,788
6+219,464	7,088	145,659	0,000	0,000	0,000	0,000	3,762	60,650
6+220,000	7,052	3,790	0,000	0,000	0,000	0,000	3,794	2,025
6+240,000	4,934	119,860	0,000	0,000	0,000	0,000	4,961	87,550
6+256,964	3,725	73,446	0,000	0,000	0,000	0,000	7,228	103,387
6+260,000	3,393	10,805	0,000	0,000	0,000	0,000	7,240	21,962
6+280,000	2,798	61,910	0,000	0,000	0,000	0,000	8,943	161,830
6+300,000	0,649	34,470	0,000	0,000	0,000	0,000	15,939	248,820
6+320,000	2,777	34,260	0,000	0,000	0,000	0,000	9,176	251,150



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9



CATEGORIAS
DF-220-CAT-R01

Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
6+340,000	2,029	48,060	0,000	0,000	0,000	0,000	7,899	170,750
6+360,000	2,002	40,310	0,000	0,000	0,000	0,000	6,491	143,900
6+380,000	4,515	65,170	0,000	0,000	0,000	0,000	3,602	100,930
6+400,000	5,633	101,480	0,000	0,000	0,000	0,000	1,717	53,190
6+420,000	6,547	121,800	0,000	0,000	0,000	0,000	0,638	23,550
6+440,000	2,748	92,950	0,000	0,000	0,000	0,000	1,058	16,960
6+460,000	6,559	93,070	0,000	0,000	0,000	0,000	1,136	21,940
6+480,000	6,691	132,500	0,000	0,000	0,000	0,000	1,107	22,430
6+500,000	6,146	128,370	0,000	0,000	0,000	0,000	0,873	19,800
6+520,000	9,121	152,670	0,000	0,000	0,000	0,000	0,942	18,150
6+540,000	1,905	110,260	0,000	0,000	0,000	0,000	2,797	37,390
6+560,000	4,086	59,910	0,000	0,000	0,000	0,000	2,747	55,440
6+580,000	3,381	74,670	0,000	0,000	0,000	0,000	3,568	63,150
6+600,000	3,146	65,270	0,000	0,000	0,000	0,000	5,113	86,810
6+620,000	2,816	59,620	0,000	0,000	0,000	0,000	6,256	113,690
6+640,000	2,040	48,560	0,000	0,000	0,000	0,000	7,637	138,930
6+660,000	1,262	33,020	0,000	0,000	0,000	0,000	8,697	163,340
6+680,000	1,755	30,170	0,000	0,000	0,000	0,000	7,475	161,720
6+700,000	3,088	48,430	0,000	0,000	0,000	0,000	7,303	147,780
6+720,000	8,473	115,610	0,000	0,000	0,000	0,000	4,326	116,290
6+740,000	0,420	88,930	0,000	0,000	0,000	0,000	4,454	87,800
6+760,000	0,496	9,160	0,000	0,000	0,000	0,000	4,484	89,380
6+780,000	0,320	8,160	0,000	0,000	0,000	0,000	4,272	87,560
6+800,000	0,962	12,820	0,000	0,000	0,000	0,000	2,611	68,830
6+820,000	1,519	24,810	0,000	0,000	0,000	0,000	0,886	34,970
6+840,000	2,544	40,630	0,000	0,000	0,000	0,000	0,012	8,980
6+860,000	4,356	69,000	0,000	0,000	0,000	0,000	0,000	0,120
6+880,000	5,229	95,850	0,000	0,000	0,000	0,000	0,000	0,000
6+900,000	5,949	111,780	0,000	0,000	0,000	0,000	0,000	0,000
6+920,000	6,093	120,420	0,000	0,000	0,000	0,000	0,000	0,000
6+940,000	5,228	113,210	0,000	0,000	0,000	0,000	0,000	0,000
6+960,000	5,104	103,320	0,000	0,000	0,000	0,000	0,000	0,000
6+980,000	4,146	92,500	0,000	0,000	0,000	0,000	0,000	0,000
7	2,725	68,710	0,000	0,000	0,000	0,000	0,000	0,000
7+20,000	1,442	41,670	0,000	0,000	0,000	0,000	0,295	2,950
7+40,000	0,928	23,700	0,000	0,000	0,000	0,000	1,467	17,620
7+60,000	0,700	16,280	0,000	0,000	0,000	0,000	2,091	35,580
7+80,000	0,449	11,490	0,000	0,000	0,000	0,000	3,408	54,990
7+100,000	0,430	8,790	0,000	0,000	0,000	0,000	4,518	79,260
7+120,000	0,409	8,390	0,000	0,000	0,000	0,000	5,701	102,190
7+140,000	0,330	7,390	0,000	0,000	0,000	0,000	7,302	130,030
7+160,000	0,387	7,170	0,000	0,000	0,000	0,000	7,531	148,330



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
7+180,000	0,086	4,730	0,000	0,000	0,000	0,000	8,261	157,920
7+200,000	0,000	0,860	0,000	0,000	0,000	0,000	8,498	167,590
7+220,000	0,000	0,000	0,000	0,000	0,000	0,000	7,965	164,630
7+240,000	0,074	0,740	0,000	0,000	0,000	0,000	7,243	152,080
7+260,000	0,063	1,370	0,000	0,000	0,000	0,000	6,608	138,510
7+280,000	0,087	1,500	0,000	0,000	0,000	0,000	5,500	121,080
7+300,000	0,249	3,360	0,000	0,000	0,000	0,000	5,429	109,290
7+320,000	0,233	4,820	0,000	0,000	0,000	0,000	4,138	95,670
7+340,000	0,024	2,570	0,000	0,000	0,000	0,000	0,765	49,030
7+360,000	0,549	5,730	0,000	0,000	0,000	0,000	2,953	37,180
7+380,000	0,658	12,070	0,000	0,000	0,000	0,000	4,744	76,970
7+382,740	0,366	1,403	0,000	0,000	0,000	0,000	5,420	13,925
7+400,000	0,204	4,919	0,000	0,000	0,000	0,000	6,130	99,677
7+420,000	0,000	2,040	0,000	0,000	0,000	0,000	7,051	131,810
7+421,548	0,000	0,000	0,000	0,000	0,000	0,000	7,095	10,949
7+440,000	0,087	0,803	0,000	0,000	0,000	0,000	7,896	138,307
7+452,595	0,006	0,586	0,000	0,000	0,000	0,000	8,196	101,339
7+460,000	0,000	0,022	0,000	0,000	0,000	0,000	8,530	61,928
7+461,548	0,000	0,000	0,000	0,000	0,000	0,000	8,620	13,274
7+480,000	0,000	0,000	0,000	0,000	0,000	0,000	8,141	154,637
7+492,595	0,001	0,006	0,000	0,000	0,000	0,000	6,816	94,192
7+500,000	0,000	0,004	0,000	0,000	0,000	0,000	5,350	45,045
7+518,645	0,000	0,000	0,000	0,000	0,000	0,000	5,098	97,401
7+520,000	0,000	0,000	0,000	0,000	0,000	0,000	5,237	7,002
7+523,975	0,000	0,000	0,000	0,000	0,000	0,000	5,567	21,473
7+534,138	0,046	0,234	0,000	0,000	0,000	0,000	3,773	47,461
7+538,051	0,027	0,143	0,000	0,000	0,000	0,000	3,207	13,656
7+540,000	0,040	0,065	0,000	0,000	0,000	0,000	2,979	6,028
7+546,261	0,073	0,354	0,000	0,000	0,000	0,000	0,369	10,481
7+557,472	1,270	7,528	0,000	0,000	0,000	0,000	0,000	2,068
7+560,000	1,502	3,504	0,000	0,000	0,000	0,000	0,000	0,000
7+579,595	4,947	63,184	0,000	0,000	0,000	0,000	0,000	0,000
7+580,000	5,004	2,015	0,000	0,000	0,000	0,000	0,000	0,000
7+600,000	6,794	117,980	0,000	0,000	0,000	0,000	0,000	0,000
7+610,641	6,869	72,694	0,000	0,000	0,000	0,000	0,000	0,000
7+619,595	15,815	101,556	0,000	0,000	0,000	0,000	0,000	0,000
7+620,000	15,783	6,399	0,000	0,000	0,000	0,000	0,000	0,000
7+640,000	13,326	291,090	0,000	0,000	0,000	0,000	0,000	0,000
7+650,642	11,987	134,690	0,000	0,000	0,000	0,000	0,000	0,000
7+660,000	11,227	108,618	0,000	0,000	0,000	0,000	0,000	0,000
7+680,000	10,117	213,440	0,000	0,000	0,000	0,000	0,000	0,000
7+689,450	29,898	189,071	0,000	0,000	0,000	0,000	0,000	0,000



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
7+700,000	31,836	325,647	0,000	0,000	0,000	0,000	0,000	0,000
7+720,000	35,217	670,530	0,000	0,000	0,000	0,000	0,000	0,000
7+740,000	30,832	660,490	0,000	0,000	0,000	0,000	0,000	0,000
7+760,000	28,402	592,340	0,000	0,000	0,000	0,000	0,000	0,000
7+780,000	28,112	565,140	0,000	0,000	0,000	0,000	0,000	0,000
7+800,000	27,491	556,030	0,000	0,000	0,000	0,000	0,000	0,000
7+820,000	27,292	547,830	0,000	0,000	0,000	0,000	0,000	0,000
7+840,000	26,963	542,550	0,000	0,000	0,000	0,000	0,000	0,000
7+860,000	23,641	506,040	0,000	0,000	0,000	0,000	0,000	0,000
7+880,000	19,650	432,910	0,000	0,000	0,000	0,000	0,000	0,000
7+900,000	17,829	374,790	0,000	0,000	0,000	0,000	0,000	0,000
7+910,000	17,878	178,535	0,000	0,000	0,000	0,000	0,002	0,010
7+920,000	17,519	176,985	0,000	0,000	0,000	0,000	0,035	0,185
7+940,000	14,043	315,620	0,000	0,000	0,000	0,000	0,075	1,100
7+960,000	0,000	140,430	0,000	0,000	0,000	0,000	2,161	22,360
7+980,000	0,000	0,000	0,000	0,000	0,000	0,000	2,822	49,830
8	0,000	0,000	0,000	0,000	0,000	0,000	3,320	61,420
8+20,000	0,000	0,000	0,000	0,000	0,000	0,000	3,868	71,880
8+40,000	0,000	0,000	0,000	0,000	0,000	0,000	4,730	85,980
8+60,000	0,000	0,000	0,000	0,000	0,000	0,000	5,467	101,970
8+80,000	0,000	0,000	0,000	0,000	0,000	0,000	5,584	110,510
8+100,000	0,000	0,000	0,000	0,000	0,000	0,000	6,916	125,000
8+120,000	0,000	0,000	0,000	0,000	0,000	0,000	7,284	142,000
8+140,000	0,000	0,000	0,000	0,000	0,000	0,000	7,705	149,890
8+160,000	0,000	0,000	0,000	0,000	0,000	0,000	8,033	157,380
8+180,000	0,000	0,000	0,000	0,000	0,000	0,000	8,132	161,650
8+200,000	0,168	1,680	0,000	0,000	0,000	0,000	7,129	152,610
8+210,000	0,000	0,840	0,000	0,000	0,000	0,000	7,839	74,840
8+220,000	0,000	0,000	0,000	0,000	0,000	0,000	7,162	75,005
8+240,000	0,000	0,000	0,000	0,000	0,000	0,000	6,172	133,340
8+260,000	0,000	0,000	0,000	0,000	0,000	0,000	5,139	113,110
8+280,000	0,000	0,000	0,000	0,000	0,000	0,000	4,388	95,270
8+300,000	0,000	0,000	0,000	0,000	0,000	0,000	9,742	141,300
8+320,000	0,000	0,000	0,000	0,000	0,000	0,000	14,102	238,440
8+340,000	0,000	0,000	0,000	0,000	0,000	0,000	19,762	338,640
8+360,000	0,000	0,000	0,000	0,000	0,000	0,000	17,188	369,500
8+380,000	0,000	0,000	0,000	0,000	0,000	0,000	15,423	326,110
8+400,000	0,126	1,260	0,000	0,000	0,000	0,000	10,676	260,990
8+420,000	0,000	1,260	0,000	0,000	0,000	0,000	1,946	126,220
8+440,000	0,162	1,620	0,000	0,000	0,000	0,000	0,172	21,180
8+460,000	0,448	6,100	0,000	0,000	0,000	0,000	0,110	2,820
8+480,000	0,927	13,750	0,000	0,000	0,000	0,000	0,070	1,800



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
8+500,000	0,593	15,200	0,000	0,000	0,000	0,000	0,239	3,090
8+520,000	0,645	12,380	0,000	0,000	0,000	0,000	0,574	8,130
8+540,000	1,149	17,940	0,000	0,000	0,000	0,000	0,014	5,880
8+560,000	0,442	15,910	0,000	0,000	0,000	0,000	0,011	0,250
8+580,000	0,507	9,490	0,000	0,000	0,000	0,000	0,051	0,620
8+600,000	0,658	11,650	0,000	0,000	0,000	0,000	0,007	0,580
8+620,000	0,161	8,190	0,000	0,000	0,000	0,000	0,076	0,830
8+640,000	0,000	1,610	0,000	0,000	0,000	0,000	0,090	1,660
8+660,000	0,758	7,580	0,000	0,000	0,000	0,000	0,000	0,900
8+680,000	0,482	12,400	0,000	0,000	0,000	0,000	0,000	0,000
8+700,000	1,617	20,990	0,000	0,000	0,000	0,000	0,000	0,000
8+720,000	1,876	34,930	0,000	0,000	0,000	0,000	0,000	0,000
8+740,000	1,804	36,800	0,000	0,000	0,000	0,000	0,000	0,000
8+760,000	0,324	21,280	0,000	0,000	0,000	0,000	0,000	0,000
8+780,000	0,557	8,810	0,000	0,000	0,000	0,000	0,000	0,000
8+800,000	0,000	5,570	0,000	0,000	0,000	0,000	0,421	4,210
8+820,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	4,210
8+840,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
8+860,000	0,000	0,000	0,000	0,000	0,000	0,000	0,014	0,140
8+880,000	0,000	0,000	0,000	0,000	0,000	0,000	0,110	1,240
8+900,000	0,000	0,000	0,000	0,000	0,000	0,000	0,960	10,700
8+920,000	0,000	0,000	0,000	0,000	0,000	0,000	1,152	21,120
8+940,000	0,000	0,000	0,000	0,000	0,000	0,000	0,994	21,460
8+960,000	0,000	0,000	0,000	0,000	0,000	0,000	1,552	25,460
8+980,000	0,000	0,000	0,000	0,000	0,000	0,000	1,413	29,650
9	0,000	0,000	0,000	0,000	0,000	0,000	1,876	32,890
9+20,000	0,000	0,000	0,000	0,000	0,000	0,000	2,547	44,230
9+40,000	0,000	0,000	0,000	0,000	0,000	0,000	2,696	52,430
9+60,000	0,003	0,030	0,000	0,000	0,000	0,000	3,262	59,580
9+80,000	0,000	0,030	0,000	0,000	0,000	0,000	3,191	64,530
9+100,000	0,000	0,000	0,000	0,000	0,000	0,000	2,747	59,380
9+120,000	0,000	0,000	0,000	0,000	0,000	0,000	2,273	50,200
9+140,000	0,089	0,890	0,000	0,000	0,000	0,000	2,830	51,030
9+160,000	0,000	0,890	0,000	0,000	0,000	0,000	2,527	53,570
9+180,000	0,000	0,000	0,000	0,000	0,000	0,000	2,903	54,300
9+200,000	0,190	1,900	0,000	0,000	0,000	0,000	1,483	43,860
9+220,000	0,362	5,520	0,000	0,000	0,000	0,000	1,214	26,970
9+240,000	0,477	8,390	0,000	0,000	0,000	0,000	2,454	36,680
9+260,000	0,454	9,310	0,000	0,000	0,000	0,000	1,525	39,790
9+280,000	0,703	11,570	0,000	0,000	0,000	0,000	0,508	20,330
9+300,000	1,377	20,800	0,000	0,000	0,000	0,000	0,000	5,080
9+320,000	2,250	36,270	0,000	0,000	0,000	0,000	0,000	0,000



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
10+180,000	2,258	46,860	0,000	0,000	0,000	0,000	0,071	0,820
10+200,000	2,384	46,420	0,000	0,000	0,000	0,000	0,000	0,710
10+220,000	2,590	49,740	0,000	0,000	0,000	0,000	0,000	0,000
10+240,000	2,562	51,520	0,000	0,000	0,000	0,000	0,000	0,000
10+260,000	2,943	55,050	0,000	0,000	0,000	0,000	0,000	0,000
10+280,000	2,554	54,970	0,000	0,000	0,000	0,000	0,000	0,000
10+300,000	2,771	53,250	0,000	0,000	0,000	0,000	0,000	0,000
10+320,000	2,504	52,750	0,000	0,000	0,000	0,000	0,000	0,000
10+340,000	3,257	57,610	0,000	0,000	0,000	0,000	0,000	0,000
10+360,000	4,125	73,820	0,000	0,000	0,000	0,000	0,000	0,000
10+380,000	4,363	84,880	0,000	0,000	0,000	0,000	0,000	0,000
10+400,000	4,583	89,460	0,000	0,000	0,000	0,000	0,000	0,000
10+420,000	4,272	88,550	0,000	0,000	0,000	0,000	0,000	0,000
10+440,000	3,734	80,060	0,000	0,000	0,000	0,000	0,000	0,000
10+460,000	3,407	71,410	0,000	0,000	0,000	0,000	0,000	0,000
10+480,000	3,376	67,830	0,000	0,000	0,000	0,000	0,000	0,000
10+500,000	2,668	60,440	0,000	0,000	0,000	0,000	0,000	0,000
10+520,000	3,051	57,190	0,000	0,000	0,000	0,000	0,000	0,000
10+540,000	2,640	56,910	0,000	0,000	0,000	0,000	0,000	0,000
10+560,000	2,383	50,230	0,000	0,000	0,000	0,000	0,000	0,000
10+580,000	2,102	44,850	0,000	0,000	0,000	0,000	0,000	0,000
10+600,000	2,217	43,190	0,000	0,000	0,000	0,000	0,000	0,000
10+620,000	1,965	41,820	0,000	0,000	0,000	0,000	0,000	0,000
10+640,000	2,243	42,080	0,000	0,000	0,000	0,000	0,000	0,000
10+660,000	3,131	53,740	0,000	0,000	0,000	0,000	0,000	0,000
10+680,000	3,503	66,340	0,000	0,000	0,000	0,000	0,000	0,000
10+700,000	4,117	76,200	0,000	0,000	0,000	0,000	0,000	0,000
10+720,000	3,763	78,800	0,000	0,000	0,000	0,000	0,000	0,000
10+740,000	3,074	68,370	0,000	0,000	0,000	0,000	0,000	0,000
10+760,000	3,285	63,590	0,000	0,000	0,000	0,000	0,000	0,000
10+780,000	3,538	68,230	0,000	0,000	0,000	0,000	0,000	0,000
10+800,000	3,685	72,230	0,000	0,000	0,000	0,000	0,000	0,000
10+820,000	3,833	75,180	0,000	0,000	0,000	0,000	0,000	0,000
10+840,000	3,224	70,570	0,000	0,000	0,000	0,000	0,000	0,000
10+860,000	3,292	65,160	0,000	0,000	0,000	0,000	0,000	0,000
10+880,000	1,138	44,300	0,000	0,000	0,000	0,000	0,267	2,670
10+900,000	1,691	28,290	0,000	0,000	0,000	0,000	0,147	4,140
10+920,000	1,427	31,180	0,000	0,000	0,000	0,000	0,021	1,680
10+940,000	3,029	44,560	0,000	0,000	0,000	0,000	0,000	0,210
10+960,000	5,122	81,510	0,000	0,000	0,000	0,000	0,000	0,000
10+980,000	5,229	103,510	0,000	0,000	0,000	0,000	0,000	0,000
10+994,136	5,072	72,807	0,000	0,000	0,000	0,000	0,000	0,000



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
11	5,035	29,634	0,000	0,000	0,000	0,000	0,000	0,000
11+20,000	3,726	87,610	0,000	0,000	0,000	0,000	0,000	0,000
11+31,636	3,529	42,210	0,000	0,000	0,000	0,000	0,000	0,000
11+40,000	3,678	30,140	0,000	0,000	0,000	0,000	0,079	0,330
11+49,482	4,650	39,483	0,000	0,000	0,000	0,000	0,000	0,375
11+54,136	4,802	21,995	0,000	0,000	0,000	0,000	0,000	0,000
11+60,000	4,687	27,822	0,000	0,000	0,000	0,000	0,000	0,000
11+77,068	4,422	77,736	0,000	0,000	0,000	0,000	0,000	0,000
11+80,000	4,224	12,675	0,000	0,000	0,000	0,000	0,000	0,000
11+84,136	3,848	16,693	0,000	0,000	0,000	0,000	0,000	0,000
11+90,034	3,585	21,920	0,000	0,000	0,000	0,000	0,000	0,000
11+100,000	3,076	33,192	0,000	0,000	0,000	0,000	0,000	0,000
11+104,655	3,201	14,610	0,000	0,000	0,000	0,000	0,000	0,000
11+117,068	3,052	38,809	0,000	0,000	0,000	0,000	0,000	0,000
11+120,000	2,921	8,756	0,000	0,000	0,000	0,000	0,000	0,000
11+121,968	2,831	5,660	0,000	0,000	0,000	0,000	0,000	0,000
11+139,425	2,085	42,909	0,000	0,000	0,000	0,000	0,000	0,000
11+140,000	2,069	1,194	0,000	0,000	0,000	0,000	0,000	0,000
11+160,000	1,823	38,920	0,000	0,000	0,000	0,000	0,000	0,000
11+180,000	2,514	43,370	0,000	0,000	0,000	0,000	0,000	0,000
11+181,790	2,515	4,501	0,000	0,000	0,000	0,000	0,000	0,000
11+200,000	3,104	51,161	0,000	0,000	0,000	0,000	0,000	0,000
11+220,000	2,930	60,340	0,000	0,000	0,000	0,000	0,000	0,000
11+240,000	2,032	49,620	0,000	0,000	0,000	0,000	0,000	0,000
11+260,000	2,000	40,320	0,000	0,000	0,000	0,000	0,000	0,000
11+280,000	1,840	38,400	0,000	0,000	0,000	0,000	0,000	0,000
11+300,000	0,836	26,760	0,000	0,000	0,000	0,000	0,000	0,000
11+320,000	0,545	13,810	0,000	0,000	0,000	0,000	0,000	0,000
11+340,000	0,131	6,760	0,000	0,000	0,000	0,000	0,000	0,000
11+360,000	0,069	2,000	0,000	0,000	0,000	0,000	0,000	0,000
11+380,000	0,308	3,770	0,000	0,000	0,000	0,000	0,000	0,000
11+400,000	0,000	3,080	0,000	0,000	0,000	0,000	0,350	3,500
11+413,880	0,000	0,000	0,000	0,000	0,000	0,000	0,281	4,379
11+420,000	0,000	0,000	0,000	0,000	0,000	0,000	0,172	1,386
11+440,000	0,000	0,000	0,000	0,000	0,000	0,000	0,766	9,380
11+456,245	0,000	0,000	0,000	0,000	0,000	0,000	1,607	19,275
11+460,000	0,000	0,000	0,000	0,000	0,000	0,000	1,727	6,260
11+473,702	0,000	0,000	0,000	0,000	0,000	0,000	3,167	33,529
11+480,000	0,001	0,003	0,000	0,000	0,000	0,000	3,536	21,108
11+500,000	0,000	0,010	0,000	0,000	0,000	0,000	3,581	71,170
11+503,610	0,006	0,011	0,000	0,000	0,000	0,000	3,642	13,038
11+520,000	0,000	0,049	0,000	0,000	0,000	0,000	6,097	79,811



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
11+540,000	0,000	0,000	0,000	0,000	0,000	0,000	7,174	132,710
11+540,040	0,000	0,000	0,000	0,000	0,000	0,000	7,181	0,287
11+557,497	0,000	0,000	0,000	0,000	0,000	0,000	5,899	114,169
11+560,000	0,000	0,000	0,000	0,000	0,000	0,000	5,796	14,636
11+580,000	0,000	0,000	0,000	0,000	0,000	0,000	5,227	110,230
11+599,862	0,013	0,129	0,000	0,000	0,000	0,000	5,566	107,185
11+600,000	0,075	0,006	0,000	0,000	0,000	0,000	4,886	0,721
11+620,000	0,123	1,980	0,000	0,000	0,000	0,000	5,036	99,220
11+640,000	0,017	1,400	0,000	0,000	0,000	0,000	4,166	92,020
11+660,000	0,000	0,170	0,000	0,000	0,000	0,000	4,628	87,940
11+680,000	0,000	0,000	0,000	0,000	0,000	0,000	4,242	88,700
11+700,000	0,000	0,000	0,000	0,000	0,000	0,000	3,295	75,370
11+720,000	0,000	0,000	0,000	0,000	0,000	0,000	2,135	54,300
11+740,000	0,000	0,000	0,000	0,000	0,000	0,000	1,774	39,090
11+760,000	0,000	0,000	0,000	0,000	0,000	0,000	0,720	24,940
11+780,000	0,000	0,000	0,000	0,000	0,000	0,000	0,544	12,640
11+800,000	0,000	0,000	0,000	0,000	0,000	0,000	0,765	13,090
11+820,000	0,000	0,000	0,000	0,000	0,000	0,000	0,965	17,300
11+840,000	0,000	0,000	0,000	0,000	0,000	0,000	0,030	9,950
11+860,000	0,000	0,000	0,000	0,000	0,000	0,000	0,228	2,580
11+880,000	0,000	0,000	0,000	0,000	0,000	0,000	0,425	6,530
11+900,000	0,000	0,000	0,000	0,000	0,000	0,000	0,337	7,620
11+920,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	3,370
11+940,000	0,000	0,000	0,000	0,000	0,000	0,000	0,049	0,490
11+960,000	0,000	0,000	0,000	0,000	0,000	0,000	0,189	2,380
11+980,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	1,890
12	0,308	3,080	0,000	0,000	0,000	0,000	0,000	0,000
12+20,000	0,000	3,080	0,000	0,000	0,000	0,000	0,070	0,700
12+40,000	0,000	0,000	0,000	0,000	0,000	0,000	0,007	0,770
12+60,000	0,000	0,000	0,000	0,000	0,000	0,000	0,055	0,620
12+80,000	0,000	0,000	0,000	0,000	0,000	0,000	0,408	4,630
12+100,000	0,000	0,000	0,000	0,000	0,000	0,000	0,455	8,630
12+120,000	0,000	0,000	0,000	0,000	0,000	0,000	0,087	5,420
12+140,000	0,000	0,000	0,000	0,000	0,000	0,000	0,261	3,480
12+160,000	0,049	0,490	0,000	0,000	0,000	0,000	0,435	6,960
12+180,000	0,270	3,190	0,000	0,000	0,000	0,000	0,835	12,700
12+200,000	0,122	3,920	0,000	0,000	0,000	0,000	0,502	13,370
12+219,011	0,000	1,160	0,000	0,000	0,000	0,000	0,429	8,850
12+220,000	0,000	0,000	0,000	0,000	0,000	0,000	0,454	0,437
12+233,632	0,242	1,649	0,000	0,000	0,000	0,000	0,795	8,513
12+240,000	0,368	1,942	0,000	0,000	0,000	0,000	0,869	5,298
12+246,597	0,419	2,596	0,000	0,000	0,000	0,000	0,880	5,769



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
12+260,000	0,471	5,964	0,000	0,000	0,000	0,000	0,714	10,682
12+274,183	0,560	7,311	0,000	0,000	0,000	0,000	0,165	6,233
12+280,000	0,319	2,557	0,000	0,000	0,000	0,000	0,004	0,492
12+300,000	0,578	8,970	0,000	0,000	0,000	0,000	0,395	3,990
12+320,000	0,559	11,370	0,000	0,000	0,000	0,000	0,805	12,000
12+340,000	0,432	9,910	0,000	0,000	0,000	0,000	0,458	12,630
12+360,000	0,000	4,320	0,000	0,000	0,000	0,000	1,183	16,410
12+380,000	0,241	2,410	0,000	0,000	0,000	0,000	2,572	37,550
12+400,000	0,180	4,210	0,000	0,000	0,000	0,000	1,140	37,120
12+420,000	0,415	5,950	0,000	0,000	0,000	0,000	1,873	30,130
12+440,000	0,258	6,730	0,000	0,000	0,000	0,000	1,283	31,560
12+460,000	0,000	2,580	0,000	0,000	0,000	0,000	1,103	23,860
12+480,000	0,051	0,510	0,000	0,000	0,000	0,000	3,117	42,200
12+500,000	0,129	1,800	0,000	0,000	0,000	0,000	2,968	60,850
12+520,000	0,586	7,150	0,000	0,000	0,000	0,000	5,638	86,060
12+540,000	0,550	11,360	0,000	0,000	0,000	0,000	4,404	100,420
12+560,000	0,906	14,560	0,000	0,000	0,000	0,000	2,504	69,080
12+580,000	0,562	14,680	0,000	0,000	0,000	0,000	1,643	41,470
12+600,000	0,492	10,540	0,000	0,000	0,000	0,000	0,788	24,310
12+620,000	0,400	8,920	0,000	0,000	0,000	0,000	0,090	8,780
12+640,000	1,685	20,850	0,000	0,000	0,000	0,000	0,000	0,900
12+660,000	1,345	30,300	0,000	0,000	0,000	0,000	0,000	0,000
12+680,000	1,366	27,110	0,000	0,000	0,000	0,000	0,046	0,460
12+700,000	1,545	29,110	0,000	0,000	0,000	0,000	0,002	0,480
12+720,000	1,543	30,880	0,000	0,000	0,000	0,000	0,000	0,020
12+740,000	1,754	32,970	0,000	0,000	0,000	0,000	0,000	0,000
12+760,000	5,764	75,180	0,000	0,000	0,000	0,000	0,000	0,000
12+780,000	3,534	92,980	0,000	0,000	0,000	0,000	0,000	0,000
12+800,000	2,787	63,210	0,000	0,000	0,000	0,000	0,000	0,000
12+820,000	2,258	50,450	0,000	0,000	0,000	0,000	0,000	0,000
12+840,000	1,879	41,370	0,000	0,000	0,000	0,000	0,000	0,000
12+860,000	2,279	41,580	0,000	0,000	0,000	0,000	0,000	0,000
12+880,000	2,229	45,080	0,000	0,000	0,000	0,000	0,000	0,000
12+900,000	2,236	44,650	0,000	0,000	0,000	0,000	0,000	0,000
12+920,000	1,945	41,810	0,000	0,000	0,000	0,000	0,000	0,000
12+940,000	1,488	34,330	0,000	0,000	0,000	0,000	0,000	0,000
12+960,000	1,097	25,850	0,000	0,000	0,000	0,000	0,000	0,000
12+980,000	0,721	18,180	0,000	0,000	0,000	0,000	0,113	1,130
13	5,352	60,730	0,000	0,000	0,000	0,000	0,000	1,130
13+20,000	5,255	106,070	0,000	0,000	0,000	0,000	0,000	0,000
13+40,000	6,258	115,130	0,000	0,000	0,000	0,000	0,000	0,000
13+60,000	7,739	139,970	0,000	0,000	0,000	0,000	0,000	0,000



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
13+920,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,270
13+940,000	0,449	4,490	0,000	0,000	0,000	0,000	0,000	0,000
13+960,000	1,366	18,150	0,000	0,000	0,000	0,000	0,000	0,000
13+980,000	2,614	39,800	0,000	0,000	0,000	0,000	0,000	0,000
14	1,911	45,250	0,000	0,000	0,000	0,000	0,000	0,000
14+20,000	3,282	51,930	0,000	0,000	0,000	0,000	0,000	0,000
14+40,000	5,270	85,520	0,000	0,000	0,000	0,000	0,000	0,000
14+60,000	5,531	108,010	0,000	0,000	0,000	0,000	0,000	0,000
14+80,000	3,898	94,290	0,000	0,000	0,000	0,000	0,000	0,000
14+100,000	3,194	70,920	0,000	0,000	0,000	0,000	0,000	0,000
14+120,000	4,613	78,070	0,000	0,000	0,000	0,000	0,000	0,000
14+140,000	5,519	101,320	0,000	0,000	0,000	0,000	0,000	0,000
14+160,000	4,957	104,760	0,000	0,000	0,000	0,000	0,000	0,000
14+180,000	4,343	93,000	0,000	0,000	0,000	0,000	0,000	0,000
14+181,771	3,956	7,349	0,000	0,000	0,000	0,000	0,000	0,000
14+200,000	3,768	70,400	0,000	0,000	0,000	0,000	0,000	0,000
14+219,271	3,550	70,513	0,000	0,000	0,000	0,000	0,000	0,000
14+220,000	3,545	2,586	0,000	0,000	0,000	0,000	0,000	0,000
14+240,000	3,333	68,780	0,000	0,000	0,000	0,000	0,000	0,000
14+241,771	3,312	5,884	0,000	0,000	0,000	0,000	0,000	0,000
14+260,000	3,607	63,063	0,000	0,000	0,000	0,000	0,000	0,000
14+271,771	2,577	36,396	0,000	0,000	0,000	0,000	0,000	0,000
14+280,000	2,107	19,272	0,000	0,000	0,000	0,000	0,000	0,000
14+294,271	1,670	26,951	0,000	0,000	0,000	0,000	0,000	0,000
14+300,000	1,575	9,295	0,000	0,000	0,000	0,000	0,000	0,000
14+320,000	0,634	22,090	0,000	0,000	0,000	0,000	0,144	1,440
14+331,771	0,000	3,731	0,000	0,000	0,000	0,000	0,139	1,666
14+340,000	0,000	0,000	0,000	0,000	0,000	0,000	0,012	0,621
14+360,000	0,000	0,000	0,000	0,000	0,000	0,000	1,386	13,980
14+380,000	1,171	11,710	0,000	0,000	0,000	0,000	0,000	13,860
14+400,000	1,831	30,020	0,000	0,000	0,000	0,000	0,000	0,000
14+420,000	1,864	36,950	0,000	0,000	0,000	0,000	0,000	0,000
14+440,000	2,283	41,470	0,000	0,000	0,000	0,000	0,000	0,000
14+460,000	2,680	49,630	0,000	0,000	0,000	0,000	0,000	0,000
14+480,000	2,221	49,010	0,000	0,000	0,000	0,000	0,000	0,000
14+500,000	2,307	45,280	0,000	0,000	0,000	0,000	0,000	0,000
14+520,000	2,361	46,680	0,000	0,000	0,000	0,000	0,000	0,000
14+540,000	2,376	47,370	0,000	0,000	0,000	0,000	0,000	0,000
14+560,000	2,214	45,900	0,000	0,000	0,000	0,000	0,000	0,000
14+580,000	2,560	47,740	0,000	0,000	0,000	0,000	0,000	0,000
14+600,000	2,234	47,940	0,000	0,000	0,000	0,000	0,000	0,000
14+620,000	1,144	33,780	0,000	0,000	0,000	0,000	0,000	0,000



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

DF-220-CAT-R01



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
14+640,000	0,574	17,180	0,000	0,000	0,000	0,000	0,000	0,000
14+660,000	0,000	5,740	0,000	0,000	0,000	0,000	0,000	0,000
14+680,000	0,000	0,000	0,000	0,000	0,000	0,000	0,171	1,710
14+700,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	1,710
14+720,000	0,000	0,000	0,000	0,000	0,000	0,000	0,013	0,130
14+740,000	0,177	1,770	0,000	0,000	0,000	0,000	0,025	0,380
14+760,000	0,000	1,770	0,000	0,000	0,000	0,000	0,000	0,250
14+780,000	0,551	5,510	0,000	0,000	0,000	0,000	0,000	0,000
14+800,000	0,000	5,510	0,000	0,000	0,000	0,000	0,000	0,000
14+820,000	0,000	0,000	0,000	0,000	0,000	0,000	0,474	4,740
14+840,000	0,000	0,000	0,000	0,000	0,000	0,000	0,794	12,680
14+860,000	0,175	1,750	0,000	0,000	0,000	0,000	0,000	7,940
14+880,000	0,167	3,420	0,000	0,000	0,000	0,000	0,000	0,000
14+900,000	0,136	3,030	0,000	0,000	0,000	0,000	0,277	2,770
14+920,000	0,000	1,360	0,000	0,000	0,000	0,000	0,221	4,980
14+940,000	0,000	0,000	0,000	0,000	0,000	0,000	0,002	2,230
14+960,000	0,014	0,140	0,000	0,000	0,000	0,000	0,094	0,960
14+980,000	0,000	0,140	0,000	0,000	0,000	0,000	0,215	3,090
15	0,182	1,820	0,000	0,000	0,000	0,000	0,991	12,060
15+20,000	0,210	3,920	0,000	0,000	0,000	0,000	3,300	42,910
15+40,000	0,251	4,610	0,000	0,000	0,000	0,000	2,593	58,930
15+60,000	0,083	3,340	0,000	0,000	0,000	0,000	0,768	33,610
15+80,000	1,188	12,710	0,000	0,000	0,000	0,000	4,825	55,930
15+100,000	1,571	27,590	0,000	0,000	0,000	0,000	2,800	76,250
15+120,000	2,326	38,970	0,000	0,000	0,000	0,000	1,486	42,860
15+140,000	2,909	52,350	0,000	0,000	0,000	0,000	0,000	14,860
15+160,000	3,174	60,830	0,000	0,000	0,000	0,000	0,000	0,000
15+180,000	3,447	66,210	0,000	0,000	0,000	0,000	0,000	0,000
15+200,000	2,996	64,430	0,000	0,000	0,000	0,000	0,000	0,000
15+220,000	3,615	66,110	0,000	0,000	0,000	0,000	0,000	0,000
15+240,000	3,652	72,670	0,000	0,000	0,000	0,000	0,000	0,000
15+260,000	4,152	78,040	0,000	0,000	0,000	0,000	0,000	0,000
15+280,000	4,257	84,090	0,000	0,000	0,000	0,000	0,000	0,000
15+300,000	3,456	77,130	0,000	0,000	0,000	0,000	0,000	0,000
15+320,000	2,692	61,480	0,000	0,000	0,000	0,000	0,000	0,000
15+340,000	2,423	51,150	0,000	0,000	0,000	0,000	0,000	0,000
15+360,000	2,639	50,620	0,000	0,000	0,000	0,000	0,001	0,010
15+380,000	3,108	57,470	0,000	0,000	0,000	0,000	0,000	0,010
15+400,000	3,574	66,820	0,000	0,000	0,000	0,000	0,000	0,000
15+420,000	4,009	75,830	0,000	0,000	0,000	0,000	0,000	0,000
15+440,000	3,075	70,840	0,000	0,000	0,000	0,000	0,022	0,220
15+460,000	3,604	66,790	0,000	0,000	0,000	0,000	0,000	0,220



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9



CATEGORIAS
DF-220-CAT-R01

Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
15+480,000	4,051	76,550	0,000	0,000	0,000	0,000	0,000	0,000
15+500,000	3,735	77,860	0,000	0,000	0,000	0,000	0,000	0,000
15+520,000	4,658	83,930	0,000	0,000	0,000	0,000	0,000	0,000
15+540,000	4,538	91,960	0,000	0,000	0,000	0,000	0,000	0,000
15+560,000	4,420	89,580	0,000	0,000	0,000	0,000	0,000	0,000
15+580,000	3,743	81,630	0,000	0,000	0,000	0,000	0,000	0,000
15+600,000	4,563	83,060	0,000	0,000	0,000	0,000	0,000	0,000
15+620,000	4,455	90,180	0,000	0,000	0,000	0,000	0,000	0,000
15+640,000	2,399	68,540	0,000	0,000	0,000	0,000	0,000	0,000
15+660,000	0,763	31,620	0,000	0,000	0,000	0,000	0,000	0,000
15+680,000	0,296	10,590	0,000	0,000	0,000	0,000	0,000	0,000
15+700,000	0,989	12,850	0,000	0,000	0,000	0,000	0,000	0,000
15+720,000	0,000	9,890	0,000	0,000	0,000	0,000	0,000	0,000
15+740,000	1,007	10,070	0,000	0,000	0,000	0,000	0,000	0,000
15+760,000	1,122	21,290	0,000	0,000	0,000	0,000	0,000	0,000
15+775,199	0,311	10,890	0,000	0,000	0,000	0,000	0,000	0,000

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	2.950,7460 m ²	227,9320 m ²	0,0000 m ²	1.478,191 m ²
Volumes	53.314,769 m ³	4.558,640 m ³	0,000 m ³	27.162,559 m ³

4.2 – Dispositivo Km 0 (Entr. DF-180/DF-220)



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9



CATEGORIAS
DISP KM 0-CAT-RAMO 1

Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
0	0,947		0,000		0,000		0,000	
0+20,000	0,000	9,470	0,000	0,000	0,000	0,000	2,134	21,340
0+24,870	0,000	0,000	0,000	0,000	0,000	0,000	4,706	16,655
0+27,280	0,000	0,000	0,000	0,000	0,000	0,000	6,530	13,539
0+40,000	0,015	0,095	0,000	0,000	0,000	0,000	3,353	62,856
0+47,120	0,397	1,467	0,000	0,000	0,000	0,000	0,000	11,937
0+52,648	0,219	1,703	0,000	0,000	0,000	0,000	3,467	9,583
0+57,358	0,000	0,516	0,000	0,000	0,000	0,000	8,215	27,511
0+60,000	0,000	0,000	0,000	0,000	0,000	0,000	10,255	24,399
0+80,000	0,000	0,000	0,000	0,000	0,000	0,000	11,689	219,440
0+80,108	0,000	0,000	0,000	0,000	0,000	0,000	11,673	1,262
0+80,109	0,000	0,000	0,000	0,000	0,000	0,000	29,986	0,021
0+100,000	0,000	0,000	0,000	0,000	0,000	0,000	49,432	789,852
0+100,450	0,000	0,000	0,000	0,000	0,000	0,000	48,749	22,091
0+120,000	0,000	0,000	0,000	0,000	0,000	0,000	42,095	888,000
0+120,791	0,000	0,000	0,000	0,000	0,000	0,000	41,320	32,991
0+120,792	0,000	0,000	0,000	0,000	0,000	0,000	10,304	0,026
0+140,000	0,000	0,000	0,000	0,000	0,000	0,000	9,922	194,251
0+147,806	1,512	5,901	0,000	0,000	0,000	0,000	4,954	58,061
0+150,450	2,288	5,024	0,000	0,000	0,000	0,000	3,848	11,636
0+160,000	1,543	18,293	0,000	0,000	0,000	0,000	0,235	19,496
0+170,056	0,216	8,844	0,000	0,000	0,000	0,000	3,280	17,673
0+178,395	0,163	1,580	0,000	0,000	0,000	0,000	2,499	24,096
0+180,000	0,082	0,197	0,000	0,000	0,000	0,000	2,871	4,309
0+182,846	0,000	0,117	0,000	0,000	0,000	0,000	2,114	7,094
0+200,000	0,361	3,096	0,000	0,000	0,000	0,000	0,000	18,132
0+204,455	0,255	1,372	0,000	0,000	0,000	0,000	0,000	0,000
0+220,000	0,239	3,840	0,000	0,000	0,000	0,000	0,000	0,000
0+229,815	0,199	2,149	0,000	0,000	0,000	0,000	0,000	0,000
0+232,278	0,109	0,379	0,000	0,000	0,000	0,000	0,000	0,000
0+240,000	0,563	2,595	0,000	0,000	0,000	0,000	0,000	0,000
0+252,065	0,000	3,396	0,000	0,000	0,000	0,000	1,272	7,673
0+254,053	0,047	0,047	0,000	0,000	0,000	0,000	0,155	1,418
0+258,411	0,000	0,102	0,000	0,000	0,000	0,000	0,301	0,994
0+260,000	0,000	0,000	0,000	0,000	0,000	0,000	1,459	1,398
0+279,602	0,947	9,282	0,000	0,000	0,000	0,000	0,000	14,300

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	10,1020 m ²	0,0000 m ²	0,0000 m ²	316,818 m ²
Volumes	79,465 m ³	0,000 m ³	0,000 m ³	2.522,034 m ³



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9



CATEGORIAS
DISP KM 0-CAT-RAMO 2

Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
0	2,458		0,000		0,000		0,000	
0+20,000	3,446	59,040	0,000	0,000	0,000	0,000	0,000	0,000
0+35,882	5,529	71,270	0,000	0,000	0,000	0,000	0,000	0,000
0+40,000	5,809	23,345	0,000	0,000	0,000	0,000	0,000	0,000
0+41,384	5,837	8,059	0,000	0,000	0,000	0,000	0,000	0,000
0+44,606	6,074	19,189	0,000	0,000	0,000	0,000	0,000	0,000
0+60,000	3,417	73,052	0,000	0,000	0,000	0,000	1,254	9,652
0+64,913	3,702	17,488	0,000	0,000	0,000	0,000	0,114	3,360
0+77,026	3,731	45,018	0,000	0,000	0,000	0,000	0,000	0,690
0+80,000	3,949	11,420	0,000	0,000	0,000	0,000	0,225	0,335
0+81,658	4,314	6,850	0,000	0,000	0,000	0,000	0,035	0,216
0+100,000	6,586	99,964	0,000	0,000	0,000	0,000	0,000	0,321
0+103,222	6,156	20,527	0,000	0,000	0,000	0,000	0,000	0,000
0+120,000	3,330	79,578	0,000	0,000	0,000	0,000	0,000	0,000
0+128,689	1,925	22,830	0,000	0,000	0,000	0,000	0,102	0,443
0+131,288	1,512	4,466	0,000	0,000	0,000	0,000	0,805	1,179
0+140,000	0,628	9,322	0,000	0,000	0,000	0,000	1,455	9,845
0+152,218	0,000	3,836	0,000	0,000	0,000	0,000	0,917	14,491
0+155,882	0,000	0,000	0,000	0,000	0,000	0,000	1,266	3,999
0+160,000	0,000	0,000	0,000	0,000	0,000	0,000	1,158	4,991
0+165,989	0,311	0,931	0,000	0,000	0,000	0,000	1,127	6,842
0+170,669	0,487	1,867	0,000	0,000	0,000	0,000	1,163	5,359
0+180,000	1,264	8,169	0,000	0,000	0,000	0,000	0,983	10,012
0+200,000	1,717	29,810	0,000	0,000	0,000	0,000	0,191	11,740
0+207,557	1,611	12,575	0,000	0,000	0,000	0,000	0,139	1,247

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	73,7930 m ²	0,0000 m ²	0,0000 m ²	10,934 m ²
Volumes	628,606 m ³	0,000 m ³	0,000 m ³	84,722 m ³



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9



CATEGORIAS

DISP KM 0-CATRAMO 3

Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
0	1,991		0,000		0,000		0,000	
0+20,000	2,330	43,210	0,000	0,000	0,000	0,000	0,542	5,420
0+37,395	2,409	41,217	0,000	0,000	0,000	0,000	2,219	24,014
0+40,000	2,227	6,038	0,000	0,000	0,000	0,000	2,582	6,253
0+42,221	2,549	5,304	0,000	0,000	0,000	0,000	2,963	6,158
0+60,000	0,930	30,927	0,000	0,000	0,000	0,000	7,395	92,077
0+61,622	0,775	1,383	0,000	0,000	0,000	0,000	7,977	12,467
0+80,000	0,000	7,121	0,000	0,000	0,000	0,000	14,679	208,186
0+82,178	0,000	0,000	0,000	0,000	0,000	0,000	15,522	32,889
0+87,341	0,000	0,000	0,000	0,000	0,000	0,000	14,532	77,584
0+100,000	0,000	0,000	0,000	0,000	0,000	0,000	17,595	203,348
0+110,908	0,000	0,000	0,000	0,000	0,000	0,000	18,514	196,938

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	13,2110 m ²	0,0000 m ²	0,0000 m ²	104,520 m ²
Volumes	135,200 m ³	0,000 m ³	0,000 m ³	865,334 m ³



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9



CATEGORIAS
DISP KM 0-CAT-RAMO 4

Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
0	0,000		0,000		0,000		31,014	
0+20,000	0,000	0,000	0,000	0,000	0,000	0,000	19,761	507,750
0+28,296	0,000	0,000	0,000	0,000	0,000	0,000	18,539	158,868
0+31,267	0,000	0,000	0,000	0,000	0,000	0,000	20,253	57,626
0+40,000	0,000	0,000	0,000	0,000	0,000	0,000	15,790	157,382
0+52,629	0,000	0,000	0,000	0,000	0,000	0,000	10,067	163,274
0+60,000	0,060	0,221	0,000	0,000	0,000	0,000	7,323	64,091
0+75,134	0,730	5,978	0,000	0,000	0,000	0,000	3,370	80,914
0+80,000	0,931	4,041	0,000	0,000	0,000	0,000	2,533	14,362
0+80,370	0,732	0,308	0,000	0,000	0,000	0,000	2,449	0,922
0+100,000	1,522	22,123	0,000	0,000	0,000	0,000	0,660	30,515
0+120,000	1,960	34,820	0,000	0,000	0,000	0,000	0,000	6,600
0+121,023	1,931	1,990	0,000	0,000	0,000	0,000	0,000	0,000

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	7,8660 m ²	0,0000 m ²	0,0000 m ²	131,759 m ²
Volumes	69,481 m ³	0,000 m ³	0,000 m ³	1.242,304 m ³



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9



CATEGORIAS

DISP KM 0-CATRAMO 5

Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
0	2,015		0,000		0,000		0,000	
0+20,000	2,341	43,560	0,000	0,000	0,000	0,000	0,000	0,000
0+39,761	1,643	39,364	0,000	0,000	0,000	0,000	0,000	0,000
0+40,000	1,629	0,391	0,000	0,000	0,000	0,000	0,000	0,000
0+44,839	1,466	7,488	0,000	0,000	0,000	0,000	0,000	0,000
0+60,000	0,000	11,113	0,000	0,000	0,000	0,000	0,517	3,919
0+63,489	0,000	0,000	0,000	0,000	0,000	0,000	1,119	2,854
0+80,000	0,003	0,025	0,000	0,000	0,000	0,000	2,041	26,087
0+87,817	0,113	0,453	0,000	0,000	0,000	0,000	0,486	9,877
0+92,590	0,875	2,358	0,000	0,000	0,000	0,000	0,029	1,229
0+100,000	1,524	8,888	0,000	0,000	0,000	0,000	0,000	0,107
0+114,693	0,443	14,451	0,000	0,000	0,000	0,000	0,000	0,000
0+120,000	0,409	2,261	0,000	0,000	0,000	0,000	0,000	0,000
0+140,000	1,149	15,580	0,000	0,000	0,000	0,000	0,000	0,000
0+140,811	1,187	0,947	0,000	0,000	0,000	0,000	0,000	0,000
0+143,495	1,437	3,521	0,000	0,000	0,000	0,000	0,000	0,000
0+145,000	1,529	2,232	0,000	0,000	0,000	0,000	0,000	0,000
0+160,000	1,789	24,885	0,000	0,000	0,000	0,000	0,000	0,000
0+164,539	1,939	8,461	0,000	0,000	0,000	0,000	0,000	0,000
0+174,721	2,432	22,253	0,000	0,000	0,000	0,000	0,000	0,000
0+177,739	2,242	7,053	0,000	0,000	0,000	0,000	0,000	0,000
0+180,000	2,365	5,208	0,000	0,000	0,000	0,000	0,000	0,000
0+195,000	2,966	39,982	0,000	0,000	0,000	0,000	0,000	0,000
0+197,674	2,880	7,816	0,000	0,000	0,000	0,000	0,000	0,000
0+200,000	2,766	6,566	0,000	0,000	0,000	0,000	0,000	0,000
0+220,000	3,092	58,580	0,000	0,000	0,000	0,000	0,000	0,000
0+220,190	3,121	0,590	0,000	0,000	0,000	0,000	0,000	0,000

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	43,3550 m ²	0,0000 m ²	0,0000 m ²	4,192 m ²
Volumes	334,026 m ³	0,000 m ³	0,000 m ³	44,073 m ³

4.3 – Dispositivo Km 5 (Entronc. DF-220/Estrada Municipal)



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9



CATEGORIAS

DISP KM 5-CAT-RAMO 1

Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
5	1,373		0,000		0,000		0,000	
5+11,275	1,223	14,635	0,000	0,000	0,000	0,000	0,000	0,000
5+20,000	1,709	12,791	0,000	0,000	0,000	0,000	0,000	0,000
5+22,250	1,353	3,445	0,000	0,000	0,000	0,000	0,000	0,000
5+24,119	1,187	2,374	0,000	0,000	0,000	0,000	0,000	0,000
5+27,931	0,732	3,658	0,000	0,000	0,000	0,000	0,000	0,000
5+31,475	0,489	2,164	0,000	0,000	0,000	0,000	0,000	0,000
5+40,000	3,339	16,317	0,000	0,000	0,000	0,000	0,000	0,000
5+46,721	2,648	20,119	0,000	0,000	0,000	0,000	0,000	0,000
5+46,722	2,648	0,003	0,000	0,000	0,000	0,000	0,000	0,000
5+60,000	0,000	17,580	0,000	0,000	0,000	0,000	0,084	0,558
5+67,455	0,000	0,000	0,000	0,000	0,000	0,000	1,596	6,262
5+69,273	0,000	0,000	0,000	0,000	0,000	0,000	1,809	3,095
5+76,248	0,000	0,000	0,000	0,000	0,000	0,000	0,000	6,309
5+80,000	0,566	1,062	0,000	0,000	0,000	0,000	0,000	0,000
5+80,278	0,432	0,139	0,000	0,000	0,000	0,000	0,000	0,000
5+82,446	0,228	0,715	0,000	0,000	0,000	0,000	0,000	0,000
5+97,982	0,000	1,771	0,000	0,000	0,000	0,000	0,468	3,635
5+97,983	0,000	0,000	0,000	0,000	0,000	0,000	1,427	0,001
5+100,000	0,000	0,000	0,000	0,000	0,000	0,000	1,812	3,267
5+120,000	0,001	0,010	0,000	0,000	0,000	0,000	4,511	63,230
5+128,698	0,000	0,004	0,000	0,000	0,000	0,000	6,030	45,843
5+140,000	0,000	0,000	0,000	0,000	0,000	0,000	6,136	68,750
5+159,395	0,288	2,793	0,000	0,000	0,000	0,000	3,599	94,405
5+159,396	0,036	0,000	0,000	0,000	0,000	0,000	0,165	0,002
5+160,000	0,076	0,034	0,000	0,000	0,000	0,000	0,142	0,093
5+176,585	4,077	34,439	0,000	0,000	0,000	0,000	0,000	1,178
5+180,000	5,625	16,566	0,000	0,000	0,000	0,000	0,000	0,000
5+180,616	5,921	3,556	0,000	0,000	0,000	0,000	0,000	0,000
5+182,559	6,142	11,719	0,000	0,000	0,000	0,000	0,000	0,000
5+193,543	1,640	42,739	0,000	0,000	0,000	0,000	0,019	0,104
5+197,772	3,076	9,972	0,000	0,000	0,000	0,000	0,000	0,040
5+200,000	3,599	7,436	0,000	0,000	0,000	0,000	0,000	0,000
5+201,803	3,485	6,386	0,000	0,000	0,000	0,000	0,000	0,000
5+212,739	1,704	28,373	0,000	0,000	0,000	0,000	0,000	0,000
5+216,770	1,207	5,867	0,000	0,000	0,000	0,000	0,000	0,000

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	54,8040 m ²	0,0000 m ²	0,0000 m ²	27,798 m ²
Volumes	266,667 m ³	0,000 m ³	0,000 m ³	296,772 m ³



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9



CATEGORIAS

DISP KM 5-CAT-RAMO 2

Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
5	0,000		0,000		0,000		0,103	
5+20,000	0,000	0,000	0,000	0,000	0,000	0,000	0,221	3,240
5+28,688	0,000	0,000	0,000	0,000	0,000	0,000	0,502	3,141
5+32,617	0,000	0,000	0,000	0,000	0,000	0,000	0,850	2,656
5+40,000	0,931	3,437	0,000	0,000	0,000	0,000	0,507	5,009
5+41,102	1,251	1,202	0,000	0,000	0,000	0,000	0,442	0,523
5+48,905	4,469	22,317	0,000	0,000	0,000	0,000	0,000	1,724
5+53,572	5,464	23,179	0,000	0,000	0,000	0,000	0,000	0,000
5+60,000	4,149	30,896	0,000	0,000	0,000	0,000	0,000	0,000
5+61,102	3,907	4,439	0,000	0,000	0,000	0,000	0,000	0,000
5+73,185	2,760	40,279	0,000	0,000	0,000	0,000	0,000	0,000
5+80,000	2,818	19,007	0,000	0,000	0,000	0,000	0,000	0,000
5+96,360	2,891	46,700	0,000	0,000	0,000	0,000	0,000	0,000
5+98,454	2,899	6,062	0,000	0,000	0,000	0,000	0,000	0,000
5+100,000	2,805	4,409	0,000	0,000	0,000	0,000	0,000	0,000
5+103,085	2,609	8,351	0,000	0,000	0,000	0,000	0,000	0,000
5+106,004	2,259	7,105	0,000	0,000	0,000	0,000	0,000	0,000
5+120,000	1,538	26,571	0,000	0,000	0,000	0,000	0,000	0,000
5+136,117	1,086	21,146	0,000	0,000	0,000	0,000	0,000	0,000

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	41,8360 m ²	0,0000 m ²	0,0000 m ²	2,625 m ²
Volumes	265,100 m ³	0,000 m ³	0,000 m ³	16,293 m ³



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9



CATEGORIAS
DISP KM 5-CAT-RAMO 3

Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
5	17,056		0,000		0,000		0,000	
5+11,919	17,290	204,685	0,000	0,000	0,000	0,000	0,000	0,000
5+20,000	19,336	147,987	0,000	0,000	0,000	0,000	0,000	0,000
5+22,344	20,282	46,432	0,000	0,000	0,000	0,000	0,000	0,000
5+28,245	22,491	126,202	0,000	0,000	0,000	0,000	0,000	0,000
5+30,750	22,974	56,945	0,000	0,000	0,000	0,000	0,000	0,000
5+34,905	23,419	96,381	0,000	0,000	0,000	0,000	0,000	0,000
5+38,257	23,819	79,171	0,000	0,000	0,000	0,000	0,000	0,000
5+40,000	23,927	41,611	0,000	0,000	0,000	0,000	0,000	0,000
5+52,617	22,438	292,494	0,000	0,000	0,000	0,000	0,000	0,000
5+60,000	20,473	158,406	0,000	0,000	0,000	0,000	0,000	0,000
5+61,662	19,634	33,329	0,000	0,000	0,000	0,000	0,000	0,000
5+73,630	12,666	193,283	0,000	0,000	0,000	0,000	0,269	1,610
5+75,573	11,621	23,595	0,000	0,000	0,000	0,000	0,628	0,871
5+80,000	9,897	47,630	0,000	0,000	0,000	0,000	0,375	2,220
5+83,747	8,725	34,888	0,000	0,000	0,000	0,000	0,134	0,954
5+86,997	8,256	27,594	0,000	0,000	0,000	0,000	0,000	0,218
5+100,000	6,512	96,014	0,000	0,000	0,000	0,000	0,000	0,000
5+105,032	5,734	30,811	0,000	0,000	0,000	0,000	0,000	0,000
5+116,647	4,585	59,928	0,000	0,000	0,000	0,000	0,099	0,575

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	321,1350 m ²	0,0000 m ²	0,0000 m ²	1,505 m ²
Volumes	1.797,386 m ³	0,000 m ³	0,000 m ³	6,448 m ³



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9



CATEGORIAS

DISP KM 5-CAT-RAMO 4

Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
5	0,049		0,000		0,000		0,000	
5+20,000	0,285	3,340	0,000	0,000	0,000	0,000	0,337	3,370
5+28,764	0,922	5,289	0,000	0,000	0,000	0,000	0,792	4,947
5+32,032	0,913	2,998	0,000	0,000	0,000	0,000	1,157	3,185
5+40,000	1,006	7,645	0,000	0,000	0,000	0,000	0,020	4,689
5+41,359	1,286	1,557	0,000	0,000	0,000	0,000	0,000	0,014
5+45,626	0,632	4,092	0,000	0,000	0,000	0,000	0,000	0,000
5+60,000	0,000	4,542	0,000	0,000	0,000	0,000	0,725	5,211
5+63,455	0,000	0,000	0,000	0,000	0,000	0,000	0,960	2,911

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	5,0930 m ²	0,0000 m ²	0,0000 m ²	3,991 m ²
Volumes	29,463 m ³	0,000 m ³	0,000 m ³	24,327 m ³



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9



CATEGORIAS

DISP KM 5-CAT-RAMO 5

Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
5	0,000		0,000		0,000		3,180	
5+20,000	0,401	4,010	0,000	0,000	0,000	0,000	0,012	31,920
5+21,711	0,710	0,950	0,000	0,000	0,000	0,000	0,000	0,010
5+23,819	1,553	2,385	0,000	0,000	0,000	0,000	0,000	0,000
5+37,769	1,996	24,754	0,000	0,000	0,000	0,000	0,054	0,377
5+40,000	1,915	4,363	0,000	0,000	0,000	0,000	0,031	0,095
5+41,565	1,737	2,858	0,000	0,000	0,000	0,000	0,021	0,041
5+60,000	0,420	19,882	0,000	0,000	0,000	0,000	0,000	0,194
5+70,022	0,293	3,573	0,000	0,000	0,000	0,000	0,000	0,000

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	9,0250 m ²	0,0000 m ²	0,0000 m ²	3,298 m ²
Volumes	62,775 m ³	0,000 m ³	0,000 m ³	32,637 m ³



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

ACESSO KM 7-CAT-RAMO 1



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
7	0,000		0,000		0,000		0,847	
7+20,000	0,000	0,000	0,000	0,000	0,000	0,000	0,804	16,510
7+22,659	0,000	0,000	0,000	0,000	0,000	0,000	0,212	1,351
7+22,660	0,000	0,000	0,000	0,000	0,000	0,000	0,212	0,000
7+29,566	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,732
7+32,877	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
7+40,000	0,269	0,958	0,000	0,000	0,000	0,000	0,000	0,000
7+43,093	0,624	1,381	0,000	0,000	0,000	0,000	0,000	0,000
7+43,094	0,624	0,001	0,000	0,000	0,000	0,000	0,000	0,000
7+44,992	0,918	1,463	0,000	0,000	0,000	0,000	0,000	0,000
7+60,000	1,308	16,704	0,000	0,000	0,000	0,000	0,000	0,000
7+62,832	1,255	3,629	0,000	0,000	0,000	0,000	0,000	0,000

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	4,9980 m ²	0,0000 m ²	0,0000 m ²	2,075 m ²
Volumes	24,136 m ³	0,000 m ³	0,000 m ³	18,593 m ³



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

ACESSO KM 7-CAT-RAMO 2



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
7	13,572		0,000		0,000		0,000	
7+17,447	11,378	217,651	0,000	0,000	0,000	0,000	0,057	0,497
7+19,739	11,115	25,777	0,000	0,000	0,000	0,000	0,078	0,155
7+20,000	11,075	2,896	0,000	0,000	0,000	0,000	0,081	0,021
7+23,764	10,528	40,657	0,000	0,000	0,000	0,000	0,095	0,331
7+27,660	10,132	40,246	0,000	0,000	0,000	0,000	0,502	1,163
7+35,632	9,282	77,384	0,000	0,000	0,000	0,000	0,097	2,388
7+40,000	9,445	40,900	0,000	0,000	0,000	0,000	0,000	0,212
7+43,235	9,530	30,692	0,000	0,000	0,000	0,000	0,000	0,000
7+60,000	8,492	151,069	0,000	0,000	0,000	0,000	0,000	0,000
7+62,832	8,129	23,535	0,000	0,000	0,000	0,000	0,000	0,000

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	112,6780 m ²	0,0000 m ²	0,0000 m ²	0,910 m ²
Volumes	650,807 m ³	0,000 m ³	0,000 m ³	4,767 m ³



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

ACESSO KM 7-CAT-RAMO 3



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
7+24,840	0,202		0,000		0,000		0,020	
7+26,812	0,550	0,741	0,000	0,000	0,000	0,000	0,000	0,020
7+28,986	0,882	1,557	0,000	0,000	0,000	0,000	0,000	0,000

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	1,6340 m ²	0,0000 m ²	0,0000 m ²	0,020 m ²
Volumes	2,298 m ³	0,000 m ³	0,000 m ³	0,020 m ³



RODOVIA: DF-220

TRECHO: Km 0 ao Km 15,9

CATEGORIAS

ACESSO KM 7-CAT-RAMO 4



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
7+14,333	0,347		0,000		0,000		2,444	
7+17,345	0,145	0,741	0,000	0,000	0,000	0,000	0,287	4,113

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	0,4920 m ²	0,0000 m ²	0,0000 m ²	2,731 m ²
Volumes	0,741 m ³	0,000 m ³	0,000 m ³	4,113 m ³

4.5 – Dispositivo Km 16 (Entronc. DF-220/DF-001)



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9
CATEGORIAS
DISP KM 16-CAT-RAMO 1



Cálculo de Volumes por Categorias de Solo

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	3,8350 m ²	0,0000 m ²	0,0000 m ²	250,321 m ²
Volumes	38,590 m ³	0,000 m ³	0,000 m ³	2.040,314 m ³



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9



CATEGORIAS

DISP KM 16-CAT-RAMO 2

Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
16	0,000		0,000		0,000		0,909	
16+20,000	0,000	0,000	0,000	0,000	0,000	0,000	2,384	32,930
16+35,788	0,000	0,000	0,000	0,000	0,000	0,000	3,817	48,951
16+40,000	0,000	0,000	0,000	0,000	0,000	0,000	4,121	16,717
16+40,345	0,000	0,000	0,000	0,000	0,000	0,000	4,834	1,545
16+59,317	0,000	0,000	0,000	0,000	0,000	0,000	8,294	124,532
16+60,000	0,000	0,000	0,000	0,000	0,000	0,000	8,495	5,733
16+80,000	0,000	0,000	0,000	0,000	0,000	0,000	9,415	179,100
16+81,565	0,000	0,000	0,000	0,000	0,000	0,000	9,051	14,450
16+86,549	0,000	0,000	0,000	0,000	0,000	0,000	6,122	37,811
16+100,000	0,175	1,177	0,000	0,000	0,000	0,000	0,972	47,711
16+109,671	3,701	18,742	0,000	0,000	0,000	0,000	0,000	4,700
16+120,000	1,606	27,408	0,000	0,000	0,000	0,000	0,000	0,000
16+136,970	0,170	15,069	0,000	0,000	0,000	0,000	0,969	8,222
16+139,769	0,287	0,640	0,000	0,000	0,000	0,000	2,299	4,574
16+140,000	0,285	0,066	0,000	0,000	0,000	0,000	2,328	0,534
16+160,000	0,000	2,850	0,000	0,000	0,000	0,000	0,000	23,280
16+160,500	0,049	0,012	0,000	0,000	0,000	0,000	0,000	0,000
16+180,000	3,198	31,658	0,000	0,000	0,000	0,000	0,000	0,000
16+182,406	3,358	7,887	0,000	0,000	0,000	0,000	0,000	0,000
16+186,695	3,265	14,203	0,000	0,000	0,000	0,000	0,000	0,000
16+200,000	3,177	42,855	0,000	0,000	0,000	0,000	0,000	0,000
16+220,000	2,793	59,700	0,000	0,000	0,000	0,000	0,000	0,000
16+220,545	2,782	1,519	0,000	0,000	0,000	0,000	0,000	0,000

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	24,8460 m ²	0,0000 m ²	0,0000 m ²	64,010 m ²
Volumes	223,786 m ³	0,000 m ³	0,000 m ³	550,790 m ³



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9



CATEGORIAS
DISP KM 16-CAT-RAMO 3

Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
16	1,989		0,000		0,000		0,000	
16+20,000	2,194	41,830	0,000	0,000	0,000	0,000	0,000	0,000
16+33,876	2,144	30,097	0,000	0,000	0,000	0,000	0,000	0,000
16+38,210	2,253	9,528	0,000	0,000	0,000	0,000	0,000	0,000
16+40,000	2,161	3,951	0,000	0,000	0,000	0,000	0,000	0,000
16+57,685	1,775	34,804	0,000	0,000	0,000	0,000	0,043	0,380
16+60,000	1,997	4,366	0,000	0,000	0,000	0,000	0,000	0,050
16+78,504	0,033	18,782	0,000	0,000	0,000	0,000	4,884	45,187
16+80,000	0,000	0,025	0,000	0,000	0,000	0,000	5,595	7,838
16+98,114	0,000	0,000	0,000	0,000	0,000	0,000	7,213	116,002
16+100,000	0,000	0,000	0,000	0,000	0,000	0,000	5,974	12,435
16+107,117	0,000	0,000	0,000	0,000	0,000	0,000	5,984	42,553
16+120,000	0,000	0,000	0,000	0,000	0,000	0,000	6,271	78,941
16+140,000	0,000	0,000	0,000	0,000	0,000	0,000	6,701	129,720
16+145,296	0,000	0,000	0,000	0,000	0,000	0,000	6,771	35,674
16+160,000	0,000	0,000	0,000	0,000	0,000	0,000	8,634	113,258
16+180,000	0,000	0,000	0,000	0,000	0,000	0,000	10,937	195,710
16+190,822	0,000	0,000	0,000	0,000	0,000	0,000	14,826	139,404
16+195,895	0,000	0,000	0,000	0,000	0,000	0,000	18,904	85,556
16+200,000	0,000	0,000	0,000	0,000	0,000	0,000	19,566	78,960
16+217,137	0,000	0,000	0,000	0,000	0,000	0,000	37,478	488,782
16+220,000	0,000	0,000	0,000	0,000	0,000	0,000	42,278	114,171
16+229,170	0,000	0,000	0,000	0,000	0,000	0,000	51,222	428,698
16+240,000	0,000	0,000	0,000	0,000	0,000	0,000	40,122	494,628
16+260,000	0,000	0,000	0,000	0,000	0,000	0,000	15,786	559,080
16+280,000	0,000	0,000	0,000	0,000	0,000	0,000	1,910	176,960
16+287,181	0,000	0,000	0,000	0,000	0,000	0,000	0,291	7,903
16+292,776	0,015	0,042	0,000	0,000	0,000	0,000	0,000	0,814
16+300,000	0,589	2,182	0,000	0,000	0,000	0,000	0,000	0,000
16+320,000	1,330	19,190	0,000	0,000	0,000	0,000	0,000	0,000
16+336,356	1,604	23,994	0,000	0,000	0,000	0,000	0,000	0,000

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	18,0840 m ²	0,0000 m ²	0,0000 m ²	311,390 m ²
Volumes	188,791 m ³	0,000 m ³	0,000 m ³	3.352,704 m ³



RODOVIA: DF-220
TRECHO: Km 0 ao Km 15,9
CATEGORIAS
DISP KM 16-CAT-RAMO 4



Cálculo de Volumes por Categorias de Solo

Km	Área 1a	Volume 1a	Área 2a	Volume 2a	Área 3a	Volume 3a	Área Aterro	Vol.Aterro
16	2,773		0,000		0,000		0,000	
16+20,000	2,251	50,240	0,000	0,000	0,000	0,000	0,000	0,000
16+40,000	0,766	30,170	0,000	0,000	0,000	0,000	0,000	0,000
16+43,290	0,399	1,916	0,000	0,000	0,000	0,000	0,000	0,000
16+48,844	0,000	1,108	0,000	0,000	0,000	0,000	0,000	0,000
16+60,000	0,000	0,000	0,000	0,000	0,000	0,000	1,413	7,882
16+67,406	0,007	0,026	0,000	0,000	0,000	0,000	2,104	13,023
16+80,000	0,000	0,044	0,000	0,000	0,000	0,000	4,683	42,738
16+100,000	0,000	0,000	0,000	0,000	0,000	0,000	10,603	152,860
16+120,000	0,000	0,000	0,000	0,000	0,000	0,000	12,917	235,200
16+122,443	0,000	0,000	0,000	0,000	0,000	0,000	12,395	30,919
16+127,948	0,000	0,000	0,000	0,000	0,000	0,000	8,209	56,713
16+140,000	0,000	0,000	0,000	0,000	0,000	0,000	4,883	78,892
16+153,091	0,000	0,000	0,000	0,000	0,000	0,000	7,349	80,065
16+160,000	0,000	0,000	0,000	0,000	0,000	0,000	8,244	53,866
16+180,000	0,000	0,000	0,000	0,000	0,000	0,000	11,187	194,310
16+182,822	0,000	0,000	0,000	0,000	0,000	0,000	10,897	31,161
16+185,926	0,000	0,000	0,000	0,000	0,000	0,000	12,184	35,822
16+200,000	0,000	0,000	0,000	0,000	0,000	0,000	9,213	150,571
16+206,938	0,000	0,000	0,000	0,000	0,000	0,000	7,877	59,285
16+220,000	0,000	0,000	0,000	0,000	0,000	0,000	5,727	88,848
16+227,955	0,000	0,000	0,000	0,000	0,000	0,000	4,756	41,696
16+232,656	0,000	0,000	0,000	0,000	0,000	0,000	3,808	20,130
16+240,000	0,000	0,000	0,000	0,000	0,000	0,000	3,139	25,509
16+260,000	0,000	0,000	0,000	0,000	0,000	0,000	2,038	51,770
16+269,277	0,000	0,000	0,000	0,000	0,000	0,000	1,765	17,640

	Corte 1a	Corte 2a	Corte 3a	Aterro
Áreas	6,1960 m ²	0,0000 m ²	0,0000 m ²	145,391 m ²
Volumes	83,504 m ³	0,000 m ³	0,000 m ³	1.468,900 m ³