

PREFEITURA MUNICIPAL DE ARACAJU

SECRETARIA MUNICIPAL DA INFRAESTRUTURA



PROJETO EXECUTIVO DE ENGENHARIA

REVISÃO DOS PROJETOS DE INFRAESTRUTURA

BAIRRO MOSQUEIRO

ZONA DE EXPANSÃO, ARACAJU/SE

CONTRATO Nº 017/2023



VOLUME “1B”

NOTA DE SERVIÇO/CÁLCULO DE VOLUME

AGOSTO/2023



CORPO TÉCNICO DE ENGENHARIA LTDA

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AGOSTO/2023


José Manoel de Macêdo Santos
Eng. Civil CREA 2701702160

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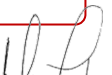
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APRESENTAÇÃO


José Marcos de Mesquita Santos
Eng. Civil CREA 2711702160



2.0. APRESENTAÇÃO

2.1. Introdução

A CTENG – Corpo Técnico de Engenharia Ltda., em cumprimento do que consta nos termos do **Contrato nº 017/2023 e Ordem de Serviço com data de vigência de 08.05.2023**, que tem como objetivo a **“ELABORAÇÃO DE REVISÃO DOS PROJETOS EXECUTIVOS DE INFRAESTRUTURA PARA O BAIRRO MOSQUEIRO, ZONA DE EXPANSÃO, ARACAJU/SE”** - apresenta o **Volume “1B” – Nota de Serviço e Cálculo de Volume do Relatório Final**, de acordo com Termo de Referência.

2.2. Objetivo

O objetivo principal deste trabalho é o Projeto de Infraestrutura Urbana de 54 vias com cerca de 10.821,14 m no total, contempladas pela Prefeitura para o Bairro Mosqueiro no extremo sul da Zona de Expansão de Aracaju, consistindo de Sistema de Micro e Macro Drenagem, Pavimentação, Sistema Público Coletor de Esgoto e Rede de Distribuição de Águas, além da dotação de equipamentos de acessibilidade e arborização quando possível.

Este projeto complementa o projeto de Macrodrenagem da Região com a construção do Canal Areia Branca/Mosqueiro e futuro Canal dos Lagos que permitirão o desague dos deflúvios que tanto atormenta a população local nos períodos de intensas chuvas com grandes alagamentos represados. Além desses dois grandes canais artificiais, será incorporado ao Sistema, a calha do Rio Santa Maria na foz do Rio Vaza-Barris.

2.3. Identificação da Área

2.3.1 Situação

A área contemplada pelo projeto situa-se na Zona de Expansão de Aracaju.

As áreas das sub-bacias dessa Infraestrutura, objeto deste projeto, são circunscritas pelo polígono compreendido pelas seguintes coordenadas geográficas:

PONTO	LONGITUDE (W)	LATITUDE (S)
01	37° 9' 17.08"	11° 6' 20.61"
02	37° 9' 1.50"	11° 6' 1.40"
03	37° 8' 55.22"	11° 5' 38.33"
04	37° 8' 39.76"	11° 5' 25.77"
05	37° 8' 24.98"	11° 5' 25.24"
06	37° 8' 10.10"	11° 5' 31.85"
07	37° 7' 57.11"	11° 5' 36.42"
08	37° 8' 8.70"	11° 5' 59.24"
09	37° 8' 22.65"	11° 5' 48.40"
10	37° 8' 42.70"	11° 6' 9.63"
11	37° 8' 50.81"	11° 6' 16.36""
12	37° 9' 2.82"	11° 6' 34.00"



2.3.2 Limites

O projeto objetiva a infraestrutura da área limitada conforme descrito:

- Ao Norte: com a Estrada de Matapoã;
- Ao Sul: com o rio Vaza Barris;
- Ao Leste: pelo futuro canal dos Lagos; e,
- Ao Oeste: pelo Rio Santa Maria.

2.3.3 Ocupação

A área encontra-se, nas vias contempladas, com adensamento de ocupação, enquanto a região do Bairro Mosqueiro, pode ser considerada incipiente na maioria das áreas, com presença de glebas reservadas para futuros condomínios, afinal de contas é a área de expansão da Capital Sergipana.

2.3.4 Relevo

A área é caracterizada como plana, com baixas declividades, ocorrendo a alternância de pequenas elevações e depressões, onde se observa o represamento das águas durante o período chuvoso. O escoamento tende do norte para o sul com alguma dificuldade, haja vista o reduzido gradiente hidráulico da região.

2.4. Justificativa do Projeto

O objetivo principal da Prefeitura Municipal de Aracaju através deste trabalho é a implantação de infraestrutura das vias urbanas já com adensamento imobiliário, principalmente de um sistema de Micro drenagem consistente, lançando na recente projetada Macro Drenagem da região resolvendo os problemas de inundações em período de invernos, provocado por construções irregulares no fluxo dos deflúvios.

A região é localizada na zona de expansão da cidade Aracaju, sem disposição de sistema viário planejado ou infraestrutura básica, embora dotada de vários adensamentos urbanos sujeitos a extensos alagamentos, razão pela qual a Prefeitura de Aracaju planejou, no ano de 2007, o sistema de Macrodrenagem e agora, neste trabalho, o sistema da Micro Drenagem. O canal Areia Branca/Mosqueiro, acompanhado de vias laterais foi resultado desse planejamento complementando com a infraestrutura, objeto deste trabalho,

alcançando a plenitude da infraestrutura da única área com predisposição a ser ocupada para a expansão imobiliária organizada dentro da Capital Sergipana.

São 54 vias com cerca de 10.821,14 m no total, contempladas pela Prefeitura, consistindo de Sistema de Micro e Macro Drenagem, Pavimentação, Sistema Público Coletor de Esgoto e Rede de Distribuição de Águas, além da dotação de equipamentos de acessibilidade e arborização quando possível.







2.5 Concepção do projeto

O projeto consiste em:

- ✓ Construção de pavimentação viária
- ✓ Construção de sistema de coleta de esgoto com estação de tratamento
- ✓ Construção de sistema de abastecimento de água potável; e,
- ✓ Construção da Micro e Macrodrenagem das vias.

Todo o sistema de coleta de esgoto será direcionado a uma área na região do Bairro Areia Branca, previamente demarcada pela Companhia de Saneamento de Sergipe, DESO, concessionária na cidade de Aracaju, onde será projetado uma Estação de Tratamento que deverá atender aos dois Bairros quando implantada. A Estação de Tratamento será projetada de forma a permitir sua expansão futura.

O abastecimento de água terá sua captação das adutoras da DESO presentes a região. O sistema de drenagem pluvial terá seu desague nos canais Areia Branca / Mosqueiro, já projetado por esta consultora no ano de 2021; no planejado Canal dos Lagos, também por esta consultora no ano 2007; e, no leito do Rio Santa Maria, já na região da Orla Por do Sol. A Orla Por do Sol teve sua infraestrutura projetada

por esta consultora no ano de 2005, mas que terá que ser alterada na sua drenagem para receber os dispositivos de ruas adjacentes originadas de expansão urbana.

2.6 Organização do Relatório

A apresentação do Relatório é constituída dos seguintes volumes:

Volume 1 – Memória Justificativa;

Volume 1-A – Estudos Geotécnicos;

Volume 1-B – PGRSCC;

Volume 2 – Projeto de Execução;

Volume 3 – Acessibilidade;

Volume 4 – Plano de Execução e Critério de Medição;

Volume 5 – Orçamento; e,

Volume 6 – Especificações.



EMPRESA RESPONSÁVEL PELO PROJETO

Razão Social: CTENG – Corpo Técnico de Engenharia

Sócio Gerente: José Marcos de Macedo Santos

Endereço: Rua Wilson Barbosa de Melo, 23

CEP. 49.037-590

Anexo ao TOP CLASS”

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Inscrição Estadual: Isento

Inscrição Municipal: 533517

Registro no CREA: 1590-EM-SE de 15/08/96

Responsável Técnico:

Eng. José Marcos de Macedo Santos – CREA 2701702160

Consultores Técnicos:

Eng. Mateus de Santana Barbosa

Eng^a Daniela Alves Neri

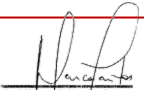
Eng. Frederico César de Santana Ferreira

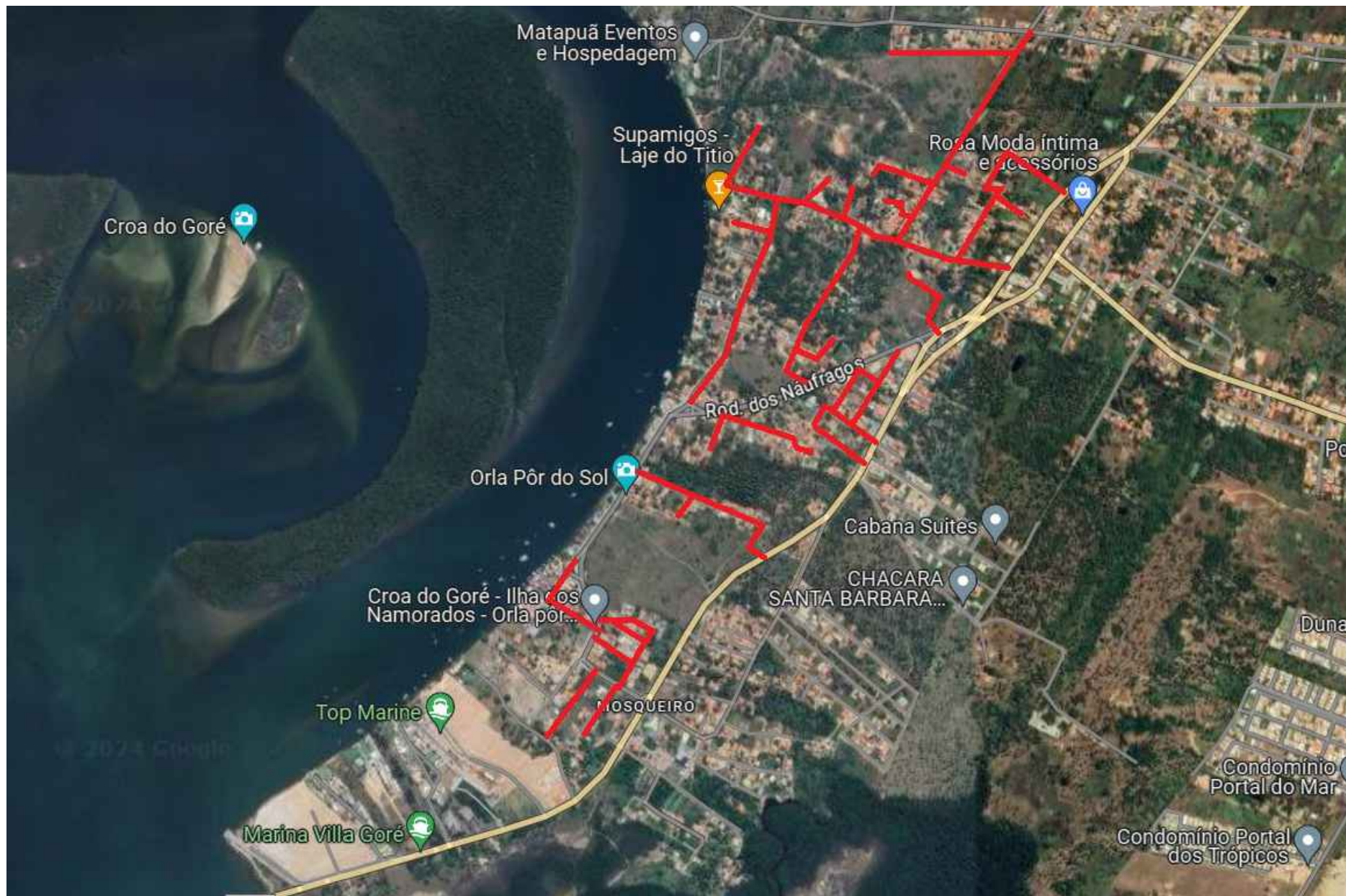
Eng. Antônio Macedo Santos

Eng^a: Shêissica Bezerra de Macedo

CAPÍTULO 3.0

MAPA DE SITUAÇÃO


José Marcos de Macapio Santos
Eng. Civil CREA 2701702160



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e-mail: engenharia@cteng.com.br
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CONVENÇÕES



PROPRIETÁRIO

EMURB
EMPRESA MUNICIPAL DE OBRAS E URBANIZAÇÃO

DESENHO: Marcos
ESCALAS: SEM ESCALA
DATA: MAIO/2023
ARQUIVO ELETRÔNICO
002-3.1-PE-R00

PROJETO: EXECUTIVO DE INFRAESTRUTURA
OBRA: REVISÃO DOS PROJETOS DE INFRAESTRUTURA
LOCAL: BAIRRO MOSQUEIRO - ARACAJU/SE
TÍTULO: MAPA DE SITUAÇÃO

PRANCHA:
3.1
REVISÃO:
00

CAPÍTULO 4.0

LOCAÇÃO


José Marcos de Macêdo Santos
Eng. Civil CREA 2701702160

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
RUA JOSÉ ALMERINDO DOS SANTOS				
0+0,000	PP	702.754,5615	8.772.812,7576	28°36'49.52"
0+0,990	TC	702.755,0356	8.772.813,6267	28°36'49.52"
0+14,777	PT	702.760,7844	8.772.826,1460	20°42'51.74"
1+0,000		702.762,6318	8.772.831,0314	20°42'51.74"
2+0,000		702.769,7060	8.772.849,7385	20°42'51.74"
2+2,993	TC	702.770,7648	8.772.852,5383	20°42'51.74"
2+9,363	PT	702.773,9204	8.772.858,0400	38°57'40.33"
3+0,000		702.780,6091	8.772.866,3113	38°57'40.33"
4+0,000		702.793,1850	8.772.881,8627	38°57'40.33"
4+0,588	PI	702.793,5545	8.772.882,3197	38°57'40.33"
5+0,000		702.805,1885	8.772.897,8596	36°49'13.05"
5+16,384	PI	702.815,0075	8.772.910,9754	36°49'13.05"
6+0,000		702.817,0756	8.772.913,9416	34°53'3.57"
7+0,000		702.828,5140	8.772.930,3477	34°53'3.57"
8+0,000		702.839,9524	8.772.946,7539	34°53'3.57"
8+14,438	TC	702.848,2097	8.772.958,5973	34°53'3.57"
9+0,000		702.851,7944	8.772.962,8399	45°30'26.98"
9+0,236	PT	702.851,9636	8.772.963,0048	45°57'31.14"
9+4,073	TC	702.854,7215	8.772.965,6719	45°57'31.14"
9+8,717	PT	702.857,7974	8.772.969,1457	37°5'17.50"
9+17,686	TC	702.863,2060	8.772.976,3002	37°5'17.50"
10+0,000		702.864,5799	8.772.978,1620	35°45'44.87"
10+13,637	PT	702.871,7715	8.772.989,7357	27°56'57.13"
11+0,000		702.874,7539	8.772.995,3568	27°56'57.13"
11+9,893	TC	702.879,3905	8.773.004,0957	27°56'57.13"
11+17,982	PT	702.883,4665	8.773.011,0803	32°35'2.20"
12+0,000		702.884,5534	8.773.012,7808	32°35'2.20"
12+7,222	TC	702.888,4425	8.773.018,8659	32°35'2.20"
12+19,411	PT	702.894,2006	8.773.029,5960	23°51'14.58"
13+0,000		702.894,4388	8.773.030,1347	23°51'14.58"
13+3,948	TC	702.896,0356	8.773.033,7459	23°51'14.58"
13+15,086	PT	702.901,2329	8.773.043,5859	31°49'49.77"
14+0,000		702.903,8247	8.773.047,7611	31°49'49.77"
14+15,036	TC	702.911,7548	8.773.060,5359	31°49'49.77"
14+19,783	PT	702.914,1619	8.773.064,6272	29°6'37.80"
15+0,000		702.914,2673	8.773.064,8165	29°6'37.80"
15+15,399	TC	702.921,7588	8.773.078,2701	29°6'37.80"
16+0,000		702.924,0433	8.773.082,2640	30°25'43.20"
16+14,191	PT	702.931,6583	8.773.094,2350	34°29'38.45"
17+0,000		702.934,9482	8.773.099,0229	34°29'38.45"
18+0,000		702.946,2746	8.773.115,5066	34°29'38.45"
18+14,288	PI	702.954,3661	8.773.127,2825	34°29'38.45"
19+0,000		702.957,6234	8.773.131,9749	34°45'58.87"
20+0,000		702.969,0280	8.773.148,4046	34°45'58.87"
21+0,000		702.980,4326	8.773.164,8343	34°45'58.87"
21+13,557	TC	702.988,1634	8.773.175,9713	34°45'58.87"
22+0,000		702.991,7514	8.773.181,3222	32°55'14.32"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
22+13,238	PT	702.998,5732	8.773.192,6647	29°7'41.31"
23+0,000		703.001,8645	8.773.198,5712	29°7'41.31"
24+0,000		703.011,5998	8.773.216,0419	29°7'41.31"
25+0,000		703.021,3351	8.773.233,5126	29°7'41.31"
26+0,000		703.031,0704	8.773.250,9832	29°7'41.31"
27+0,000		703.040,8057	8.773.268,4539	29°7'41.31"
27+1,748	TC	703.041,6566	8.773.269,9809	29°7'41.31"
27+17,573	PT	703.050,0737	8.773.283,3727	35°10'21.90"
28+0,000		703.051,4719	8.773.285,3568	35°10'21.90"
29+0,000		703.062,9928	8.773.301,7052	35°10'21.90"
30+0,000		703.074,5136	8.773.318,0535	35°10'21.90"
31+0,000		703.086,0345	8.773.334,4019	35°10'21.90"
32+0,000		703.097,5554	8.773.350,7503	35°10'21.90"
33+0,000		703.109,0762	8.773.367,0987	35°10'21.90"
33+6,376	PF	703.112,7489	8.773.372,3103	35°10'21.90"
RUA 21				
0+0,000	PP	702.754,9255	8.773.323,4321	87°58'2.17"
1+0,000		702.774,9129	8.773.324,1415	87°58'2.17"
1+19,218	PI	702.794,1191	8.773.324,8232	87°58'2.17"
2+0,000		702.794,9006	8.773.324,8418	88°37'52.83"
3+0,000		702.814,8949	8.773.325,3195	88°37'52.83"
4+0,000		702.834,8892	8.773.325,7972	88°37'52.83"
5+0,000		702.854,8835	8.773.326,2750	88°37'52.83"
5+13,155	PI	702.868,0350	8.773.326,5892	88°37'52.83"
6+0,000		702.874,8797	8.773.326,5864	90°1'24.56"
7+0,000		702.894,8797	8.773.326,5782	90°1'24.56"
7+18,310	PI	702.913,1893	8.773.326,5707	90°1'24.56"
8+0,000		702.914,8785	8.773.326,5051	92°13'26.42"
8+13,472	TC	702.928,3399	8.773.325,9823	92°13'26.42"
8+18,132	PT	702.932,9821	8.773.325,5847	97°33'54.10"
9+0,000		702.934,8334	8.773.325,3389	97°33'54.10"
9+12,162	TC	702.946,8894	8.773.323,7378	97°33'54.10"
10+0,000		702.954,6918	8.773.323,0113	93°4'26.83"
10+3,642	PT	702.958,3317	8.773.322,8822	90°59'13.73"
11+0,000		702.974,6869	8.773.322,6004	90°59'13.73"
12+0,000		702.994,6839	8.773.322,2558	90°59'13.73"
12+8,134	PI	703.002,8170	8.773.322,1157	90°59'13.73"
13+0,000		703.014,6823	8.773.322,2129	89°31'49.47"
13+2,957	TC	703.017,6392	8.773.322,2372	89°31'49.47"
13+19,797	PT	703.034,3688	8.773.320,6084	101°35'27.67"
14+0,000		703.034,5679	8.773.320,5676	101°35'27.67"
15+0,000		703.054,1600	8.773.316,5491	101°35'27.67"
15+17,208	PF	703.071,0169	8.773.313,0916	101°35'27.67"
RUA 30				
0+0,000	PP	703.002,8740	8.773.322,1162	21°14'22.98"
1+0,000		703.010,1194	8.773.340,7576	21°14'22.98"
1+5,784	TC	703.012,2148	8.773.346,1488	21°14'22.98"
1+12,603	PT	703.014,9529	8.773.352,3919	26°7'25.03"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
2+0,000		703.018,2098	8.773.359,0330	26°7'25.03"
2+0,375	PF	703.018,3749	8.773.359,3698	26°7'25.03"
RUA PRIMAVERA MANOEL RODRIGUES				
0+0,000	PP	702.684,5955	8.772.990,0380	27°49'27.10"
1+0,000		702.693,9307	8.773.007,7257	27°49'27.10"
1+8,920	TC	702.698,0940	8.773.015,6140	27°49'27.10"
1+13,223	PT	702.701,7735	8.773.017,0327	110°0'23.57"
2+0,000		702.708,1419	8.773.014,7140	110°0'23.57"
3+0,000		702.726,9350	8.773.007,8714	110°0'23.57"
3+13,968	TC	702.740,0604	8.773.003,0925	110°0'23.57"
3+19,692	PT	702.745,3901	8.773.001,0067	112°44'22.22"
4+0,000		702.745,6740	8.773.000,8877	112°44'22.22"
5+0,000		702.764,1194	8.772.993,1569	112°44'22.22"
5+9,625	TC	702.772,9963	8.772.989,4364	112°44'22.22"
5+19,907	PT	702.782,6378	8.772.985,8728	107°49'48.60"
6+0,000		702.782,7262	8.772.985,8444	107°49'48.60"
7+0,000		702.801,7655	8.772.979,7204	107°49'48.60"
8+0,000		702.820,8049	8.772.973,5965	107°49'48.60"
8+18,230	TC	702.838,1588	8.772.968,0147	107°49'48.60"
9+0,000		702.839,8535	8.772.967,5025	105°48'4.79"
9+3,162	PT	702.842,9214	8.772.966,7382	102°10'39.99"
9+13,954	PF	702.853,4702	8.772.964,4618	102°10'39.99"
RUA 24				
0+0,000	PP	702.899,7421	8.773.041,0838	94°43'57.49"
0+5,676	PI	702.905,3988	8.773.040,6155	94°43'57.49"
1+0,000		702.919,6830	8.773.039,5497	94°16'1.16"
2+0,000		702.939,6276	8.773.038,0616	94°16'1.16"
2+1,141	TC	702.940,7658	8.773.037,9767	94°16'1.16"
2+10,212	PT	702.949,7536	8.773.036,7910	100°45'47.82"
2+13,226	PF	702.952,7146	8.773.036,2281	100°45'47.82"
RUA 10				
0+0,000	PP	702.727,8190	8.772.922,8865	105°54'14.44"
1+0,000		702.747,0534	8.772.917,4060	105°54'14.44"
2+0,000		702.766,2879	8.772.911,9254	105°54'14.44"
2+1,782	TC	702.768,0013	8.772.911,4372	105°54'14.44"
2+5,135	PT	702.769,3079	8.772.908,7651	201°58'58.95"
3+0,000		702.763,7436	8.772.894,9813	201°58'58.95"
3+4,655	TC	702.762,0011	8.772.890,6648	201°58'58.95"
3+8,001	PT	702.763,3007	8.772.887,9947	106°6'38.51"
3+13,746	PI	702.768,8197	8.772.886,4006	106°6'38.51"
4+0,000		702.774,8294	8.772.884,6699	106°3'55.96"
4+17,410	PF	702.791,5590	8.772.879,8521	106°3'55.96"
RUA C - PARTE 1				
0+0,000	PP	702.241,7310	8.772.976,0879	84°35'13.56"
0+14,148	TC	702.255,8159	8.772.977,4225	84°35'13.56"
0+16,029	PT	702.257,6773	8.772.977,2478	106°8'12.70"
1+0,000		702.261,4922	8.772.976,1440	106°8'12.70"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
1+19,435	PF	702.280,1610	8.772.970,7425	106°8'12.70"
RUA C E RUA PAULO EMÍDIO				
0+0,000	PP	702.280,1610	8.772.970,7425	106°4'52.74"
1+0,000		702.299,3784	8.772.965,2025	106°4'52.74"
2+0,000		702.318,5958	8.772.959,6625	106°4'52.74"
2+15,555	PI	702.333,5418	8.772.955,3538	106°4'52.74"
3+0,000		702.337,8213	8.772.954,1510	105°41'53.93"
4+0,000		702.357,0753	8.772.948,7396	105°41'53.93"
5+0,000		702.376,3293	8.772.943,3281	105°41'53.93"
6+0,000		702.395,5833	8.772.937,9167	105°41'53.93"
7+0,000		702.414,8373	8.772.932,5053	105°41'53.93"
8+0,000		702.434,0913	8.772.927,0938	105°41'53.93"
8+13,285	TC	702.446,8809	8.772.923,4992	105°41'53.93"
9+0,000		702.453,3838	8.772.921,8277	103°8'0.30"
9+17,486	PT	702.470,6053	8.772.918,8549	96°27'15.18"
10+0,000		702.473,1033	8.772.918,5723	96°27'15.18"
10+17,381	TC	702.490,3745	8.772.916,6185	96°27'15.18"
11+0,000		702.492,9723	8.772.916,2901	97°57'16.41"
12+0,000		702.512,3723	8.772.911,5666	109°24'49.37"
12+8,546	PT	702.520,3010	8.772.908,3854	114°18'36.18"
13+0,000		702.530,7396	8.772.903,6700	114°18'36.18"
14+0,000		702.548,9663	8.772.895,4365	114°18'36.18"
14+6,179	TC	702.554,5970	8.772.892,8929	114°18'36.18"
15+0,000		702.567,3794	8.772.887,6426	110°21'1.82"
15+10,096	PT	702.576,9300	8.772.884,3719	107°27'29.36"
16+0,000		702.586,3776	8.772.881,4006	107°27'29.36"
17+0,000		702.605,4563	8.772.875,4004	107°27'29.36"
17+10,757	TC	702.615,7177	8.772.872,1733	107°27'29.36"
18+0,000		702.624,3554	8.772.868,8976	114°4'40.98"
18+16,789	PT	702.638,8554	8.772.860,4956	126°6'8.63"
19+0,000		702.641,4496	8.772.858,6037	126°6'8.63"
19+11,004	PI	702.650,3402	8.772.852,1200	126°6'8.63"
20+0,000		702.657,7896	8.772.847,0760	124°6'6.86"
21+0,000		702.674,3504	8.772.835,8627	124°6'6.86"
21+12,593	TC	702.684,7782	8.772.828,8021	124°6'6.86"
21+19,099	PT	702.690,6587	8.772.826,0870	105°27'52.52"
22+0,000		702.691,5271	8.772.825,8467	105°27'52.52"
22+8,751	TC	702.699,9609	8.772.823,5134	105°27'52.52"
22+13,172	PT	702.704,2687	8.772.822,5243	100°23'53.18"
23+0,000		702.710,9846	8.772.821,2920	100°23'53.18"
24+0,000		702.730,6561	8.772.817,6822	100°23'53.18"
24+11,814	TC	702.742,2759	8.772.815,5500	100°23'53.18"
25+0,000		702.750,2834	8.772.813,8536	103°31'30.10"
25+17,020	PT	702.766,5703	8.772.808,9438	110°1'34.31"
26+0,000		702.769,3701	8.772.807,9233	110°1'34.31"
26+5,514	TC	702.774,5509	8.772.806,0350	110°1'34.31"
26+15,507	PT	702.783,8184	8.772.802,3030	113°50'35.03"
27+0,000		702.787,9282	8.772.800,4867	113°50'35.03"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
28+0,000		702.806,2213	8.772.792,4020	113°50'35.03"
29+0,000		702.824,5144	8.772.784,3173	113°50'35.03"
29+8,174	TC	702.831,9905	8.772.781,0133	113°50'35.03"
29+18,050	PT	702.841,3584	8.772.777,9361	102°31'31.98"
30+0,000		702.843,2619	8.772.777,5132	102°31'31.98"
31+0,000		702.862,7859	8.772.773,1757	102°31'31.98"
32+0,000		702.882,3099	8.772.768,8382	102°31'31.98"
33+0,000		702.901,8339	8.772.764,5007	102°31'31.98"
33+8,408	TC	702.910,0417	8.772.762,6772	102°31'31.98"
34+0,000		702.921,4244	8.772.760,4925	99°12'16.83"
34+8,486	PT	702.929,8276	8.772.759,3131	96°46'24.78"
35+0,000		702.941,2610	8.772.757,9551	96°46'24.78"
35+16,276	PI	702.957,4230	8.772.756,0355	96°46'24.78"
36+0,000		702.961,1348	8.772.755,7289	94°43'17.88"
37+0,000		702.981,0669	8.772.754,0826	94°43'17.88"
37+9,794	PI	702.990,8273	8.772.753,2765	94°43'17.88"
38+0,000		703.000,9651	8.772.752,0951	96°38'48.78"
39+0,000		703.020,8306	8.772.749,7801	96°38'48.78"
40+0,000		703.040,6962	8.772.747,4651	96°38'48.78"
40+0,328	TC	703.041,0217	8.772.747,4271	96°38'48.78"
40+4,306	PT	703.044,9509	8.772.746,8100	101°12'20.92"
40+18,410	PF	703.058,7858	8.772.744,0691	101°12'20.92"
RUA SIEGFRED VIEIRA LOESER				
0+0,000	PP	702.296,7456	8.772.965,9615	19°1'42.34"
0+1,220	TC	702.297,1433	8.772.967,1148	19°1'42.34"
0+17,418	PT	702.303,0387	8.772.982,1977	23°40'8.30"
1+0,000		702.304,0750	8.772.984,5621	23°40'8.30"
2+0,000		702.312,1041	8.773.002,8797	23°40'8.30"
2+8,279	PI	702.315,4278	8.773.010,4625	23°40'8.30"
3+0,000		702.320,5713	8.773.020,9943	26°1'47.19"
3+14,594	TC	702.326,9757	8.773.034,1079	26°1'47.19"
4+0,000		702.329,4134	8.773.038,9330	27°34'42.59"
4+7,139	PT	702.332,8307	8.773.045,2005	29°37'25.18"
5+0,000		702.339,1879	8.773.056,3805	29°37'25.18"
5+10,199	PI	702.344,2295	8.773.065,2467	29°37'25.18"
6+0,000		702.349,1752	8.773.073,7079	30°18'24.21"
7+0,000		702.359,2678	8.773.090,9747	30°18'24.21"
8+0,000		702.369,3603	8.773.108,2414	30°18'24.21"
9+0,000		702.379,4529	8.773.125,5081	30°18'24.21"
9+18,405	PF	702.388,7408	8.773.141,3981	30°18'24.21"
TRAVESSA A				
0+0,000	PP	702.499,1836	8.772.915,2217	39°41'36.54"
1+0,000		702.511,9572	8.772.930,6111	39°41'36.54"
1+8,115	TC	702.517,1401	8.772.936,8554	39°41'36.54"
1+14,730	PT	702.521,2707	8.772.942,0223	37°35'15.85"
2+0,000		702.524,4850	8.772.946,1980	37°35'15.85"
3+0,000		702.536,6845	8.772.962,0464	37°35'15.85"
3+1,055	TC	702.537,3280	8.772.962,8823	37°35'15.85"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
3+9,954	PT	702.542,5797	8.772.970,0653	34°45'18.42"
4+0,000		702.548,3067	8.772.978,3191	34°45'18.42"
5+0,000		702.559,7081	8.772.994,7511	34°45'18.42"
5+5,941	TC	702.563,0949	8.772.999,6322	34°45'18.42"
5+9,083	PT	702.565,8782	8.773.000,1352	124°45'18.42"
6+0,000		702.574,8479	8.772.993,9116	124°45'18.42"
6+2,120	PF	702.576,5900	8.772.992,7028	124°45'18.42"
RUA ERUNDINO SIMÃO DOS REIS				
0+0,000	PP	702.606,8938	8.772.874,9484	17°26'27.59"
1+0,000		702.612,8883	8.772.894,0289	17°26'27.59"
2+0,000		702.618,8827	8.772.913,1094	17°26'27.59"
3+0,000		702.624,8772	8.772.932,1899	17°26'27.59"
3+3,322	PF	702.625,8728	8.772.935,3588	17°26'27.59"
RUA CARLOS ALBERTO ZUZART				
0+0,000	PP	702.917,9934	8.772.761,0612	28°19'58.34"
1+0,000		702.927,4853	8.772.778,6653	28°19'58.34"
2+0,000		702.936,9771	8.772.796,2694	28°19'58.34"
2+17,041	TC	702.945,0647	8.772.811,2691	28°19'58.34"
3+0,000		702.946,4882	8.772.813,8630	29°10'49.88"
3+9,664	PT	702.951,4020	8.772.822,1835	31°56'56.66"
4+0,000		702.956,8714	8.772.830,9537	31°56'56.66"
4+19,251	PI	702.967,0582	8.772.847,2882	31°56'56.66"
5+0,000		702.967,4214	8.772.847,9437	28°59'26.47"
6+0,000		702.977,1148	8.772.865,4377	28°59'26.47"
6+8,823	TC	702.981,3909	8.772.873,1550	28°59'26.47"
6+19,519	PT	702.986,9042	8.772.882,3186	33°4'35.31"
7+0,000		702.987,1665	8.772.882,7213	33°4'35.31"
7+19,558	PI	702.997,8403	8.772.899,1095	33°4'35.31"
8+0,000		702.998,0662	8.772.899,4898	30°43'7.44"
9+0,000		703.008,2827	8.772.916,6835	30°43'7.44"
9+19,518	PI	703.018,2529	8.772.933,4627	30°43'7.44"
10+0,000		703.018,5017	8.772.933,8757	31°3'41.10"
10+11,265	TC	703.024,3141	8.772.943,5258	31°3'41.10"
10+17,350	PT	703.021,9984	8.772.948,0629	274°51'34.90"
11+0,000		703.019,3577	8.772.948,2874	274°51'34.90"
12+0,000		702.999,4296	8.772.949,9818	274°51'34.90"
12+10,764	TC	702.988,7044	8.772.950,8936	274°51'34.90"
12+14,791	PT	702.987,1459	8.772.953,8937	30°14'24.55"
13+0,000		702.989,7691	8.772.958,3935	30°14'24.55"
14+0,000		702.999,8416	8.772.975,6719	30°14'24.55"
15+0,000		703.009,9141	8.772.992,9503	30°14'24.55"
15+5,744	PI	703.012,8068	8.772.997,9125	30°14'24.55"
16+0,000		703.020,1732	8.773.010,1181	31°6'42.76"
17+0,000		703.030,5074	8.773.027,2413	31°6'42.76"
18+0,000		703.040,8416	8.773.044,3645	31°6'42.76"
18+6,435	TC	703.044,1665	8.773.049,8736	31°6'42.76"
18+9,559	PT	703.046,8971	8.773.050,5616	120°36'25.31"
19+0,000		703.055,8837	8.773.045,2454	120°36'25.31"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
19+13,227	TC	703.067,2675	8.773.038,5112	120°36'25.31"
20+0,000		703.073,0378	8.773.034,9644	122°32'50.96"
20+4,775	PT	703.077,0320	8.773.032,3476	123°54'55.71"
21+0,000		703.089,6665	8.773.023,8526	123°54'55.71"
21+10,143	PI	703.098,0837	8.773.018,1931	123°54'55.71"
22+0,000		703.106,1752	8.773.012,5637	124°49'37.98"
22+13,379	TC	703.117,1573	8.773.004,9232	124°49'37.98"
23+0,000		703.122,4301	8.773.000,9212	129°34'10.25"
23+2,922	PT	703.124,6479	8.772.999,0193	131°39'43.40"
24+0,000		703.137,4067	8.772.987,6667	131°39'43.40"
24+7,897	PI	703.143,3066	8.772.982,4171	131°39'43.40"
25+0,000		703.152,5744	8.772.974,6337	130°1'28.44"
25+3,305	TC	703.155,1056	8.772.972,5079	130°1'28.44"
25+11,337	PT	703.161,6435	8.772.967,8578	120°49'15.86"
26+0,000		703.169,0830	8.772.963,4192	120°49'15.86"
27+0,000		703.186,2585	8.772.953,1720	120°49'15.86"
27+7,180	PI	703.192,4248	8.772.949,4931	120°49'15.86"
28+0,000		703.203,4730	8.772.942,9909	120°28'41.45"
28+0,533	PF	703.203,9320	8.772.942,7207	120°28'41.45"
TRAVESSA CARLOS ALBERTO ZUZART 1				
0+0,000	PP	703.018,2529	8.772.933,4627	123°27'21.88"
1+0,000		703.034,9391	8.772.922,4368	123°27'21.88"
2+0,000		703.051,6253	8.772.911,4108	123°27'21.88"
2+16,357	PI	703.065,2724	8.772.902,3930	123°27'21.88"
3+0,000		703.068,4261	8.772.900,5703	120°1'31.72"
4+0,000		703.085,7422	8.772.890,5626	120°1'31.72"
4+0,919	PI	703.086,5379	8.772.890,1028	120°1'31.72"
4+13,420	PF	703.097,1801	8.772.883,5444	121°38'38.24"
RUA 29				
0+0,000	PP	702.945,0978	8.772.993,0681	101°40'59.20"
0+4,273	TC	702.949,2818	8.772.992,2029	101°40'59.20"
0+7,787	PT	702.952,7577	8.772.991,6942	94°58'12.37"
0+19,857	PI	702.964,7817	8.772.990,6486	94°58'12.37"
1+0,000		702.964,9238	8.772.990,6318	96°43'21.12"
1+12,132	TC	702.976,9725	8.772.989,2116	96°43'21.12"
1+16,633	PT	702.981,4600	8.772.988,8865	91°33'53.72"
2+0,000		702.984,8259	8.772.988,7945	91°33'53.72"
2+0,255	TC	702.985,0810	8.772.988,7876	91°33'53.72"
2+2,446	PT	702.987,1889	8.772.988,2573	116°40'23.78"
2+19,749	PF	703.002,6504	8.772.980,4901	116°40'23.78"
RUA RECANTO MARGARIDA				
0+0,000	PP	702.194,5373	8.772.411,4717	39°51'6.75"
0+19,524	TC	702.207,0483	8.772.426,4603	39°51'6.75"
1+0,000		702.207,3545	8.772.426,8249	40°11'34.33"
1+5,418	PT	702.210,9885	8.772.430,8420	44°4'23.48"
2+0,000		702.221,1314	8.772.441,3185	44°4'23.48"
2+10,664	TC	702.228,5487	8.772.448,9798	44°4'23.48"
3+0,000		702.234,8301	8.772.455,8853	40°30'24.97"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
3+5,802	PT	702.238,5125	8.772.460,3685	38°17'26.60"
4+0,000		702.247,3103	8.772.471,5121	38°17'26.60"
5+0,000		702.259,7033	8.772.487,2097	38°17'26.60"
6+0,000		702.272,0963	8.772.502,9072	38°17'26.60"
6+6,651	TC	702.276,2174	8.772.508,1271	38°17'26.60"
7+0,000		702.282,6044	8.772.519,7789	19°10'8.56"
7+0,662	PT	702.282,8167	8.772.520,4061	18°13'14.27"
8+0,000		702.288,8632	8.772.538,7743	18°13'14.27"
9+0,000		702.295,1167	8.772.557,7715	18°13'14.27"
10+0,000		702.301,3703	8.772.576,7687	18°13'14.27"
10+5,185	TC	702.302,9916	8.772.581,6942	18°13'14.27"
10+19,761	PT	702.307,0407	8.772.595,6924	14°2'42.45"
11+0,000		702.307,0988	8.772.595,9245	14°2'42.45"
12+0,000		702.311,9525	8.772.615,3266	14°2'42.45"
13+0,000		702.316,8062	8.772.634,7287	14°2'42.45"
13+2,450	TC	702.317,4008	8.772.637,1056	14°2'42.45"
13+18,122	PT	702.322,6643	8.772.651,8406	25°16'9.36"
14+0,000		702.323,4660	8.772.653,5388	25°16'9.36"
15+0,000		702.332,0034	8.772.671,6251	25°16'9.36"
16+0,000		702.340,5409	8.772.689,7113	25°16'9.36"
16+4,137	PI	702.342,3068	8.772.693,4524	25°16'9.36"
17+0,000		702.349,1839	8.772.707,7472	25°41'30.55"
18+0,000		702.357,8545	8.772.725,7700	25°41'30.55"
19+0,000		702.366,5252	8.772.743,7928	25°41'30.55"
19+17,135	TC	702.373,9539	8.772.759,2342	25°41'30.55"
20+0,000		702.375,2417	8.772.761,7928	27°44'36.28"
20+7,567	PT	702.379,0756	8.772.768,3135	33°9'46.67"
21+0,000		702.385,8766	8.772.778,7213	33°9'46.67"
22+0,000		702.396,8171	8.772.795,4637	33°9'46.67"
22+8,883	TC	702.401,6760	8.772.802,8994	33°9'46.67"
23+0,000		702.406,6771	8.772.812,8029	20°25'24.07"
23+2,449	PT	702.407,4752	8.772.815,1179	17°37'1.25"
24+0,000		702.412,7870	8.772.831,8458	17°37'1.25"
25+0,000		702.418,8401	8.772.850,9078	17°37'1.25"
26+0,000		702.424,8932	8.772.869,9698	17°37'1.25"
27+0,000		702.430,9462	8.772.889,0318	17°37'1.25"
28+0,000		702.436,9993	8.772.908,0939	17°37'1.25"
28+7,228	PI	702.439,1868	8.772.914,9828	17°37'1.25"
28+17,512	PF	702.441,7201	8.772.924,9497	14°15'39.72"
TRAVESSA B				
0+0,000	PP	702.278,8511	8.772.871,1095	104°3'4.52"
0+17,488	PI	702.295,8155	8.772.866,8636	104°3'4.52"
1+0,000		702.298,2451	8.772.866,2242	104°44'44.63"
2+0,000		702.317,5864	8.772.861,1336	104°44'44.63"
3+0,000		702.336,9277	8.772.856,0430	104°44'44.63"
3+18,593	PI	702.354,9082	8.772.851,3105	104°44'44.63"
4+0,000		702.356,2565	8.772.850,9081	106°37'12.44"
5+0,000		702.375,4210	8.772.845,1876	106°37'12.44"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
5+13,530	TC	702.388,3860	8.772.841,3176	106°37'12.44"
6+0,000		702.394,6234	8.772.839,6013	104°8'55.90"
6+5,569	PT	702.400,0477	8.772.838,3405	102°1'17.68"
6+19,744	PF	702.413,9119	8.772.835,3881	102°1'17.68"
RUA ZILDA RODRIGUES SANTOS				
0+0,000	PP	702.508,1689	8.772.427,9548	299°35'38.25"
1+0,000		702.490,7780	8.772.437,8318	299°35'38.25"
2+0,000		702.473,3871	8.772.447,7088	299°35'38.25"
3+0,000		702.455,9961	8.772.457,5858	299°35'38.25"
3+5,436	TC	702.451,2690	8.772.460,2705	299°35'38.25"
3+19,348	PT	702.447,7789	8.772.472,3436	28°9'31.47"
4+0,000		702.448,0866	8.772.472,9185	28°9'31.47"
5+0,000		702.457,5249	8.772.490,5514	28°9'31.47"
6+0,000		702.466,9632	8.772.508,1842	28°9'31.47"
6+5,132	TC	702.469,3851	8.772.512,7088	28°9'31.47"
7+0,000		702.475,6162	8.772.526,2043	22°39'14.05"
7+4,543	PT	702.477,3182	8.772.530,4162	21°21'8.91"
8+0,000		702.482,9462	8.772.544,8124	21°21'8.91"
8+1,522	PI	702.483,5004	8.772.546,2300	21°21'8.91"
9+0,000		702.489,5210	8.772.563,6995	19°0'56.37"
9+5,186	TC	702.491,2108	8.772.568,6027	19°0'56.37"
10+0,000		702.497,1829	8.772.582,1491	27°19'38.78"
11+0,000		702.507,7992	8.772.599,0715	36°52'36.25"
11+4,809	PT	702.510,7616	8.772.602,8599	39°10'23.10"
12+0,000		702.520,3570	8.772.614,6362	39°10'23.10"
12+13,028	TC	702.528,5863	8.772.624,7360	39°10'23.10"
13+0,000		702.532,7984	8.772.630,2901	35°10'42.15"
13+4,215	PT	702.535,1537	8.772.633,7859	32°45'47.09"
14+0,000		702.543,5826	8.772.647,1314	32°16'34.34"
15+0,000		702.554,2627	8.772.664,0411	32°16'34.34"
16+0,000		702.564,9427	8.772.680,9508	32°16'34.34"
17+0,000		702.575,6227	8.772.697,8605	32°16'34.34"
17+18,355	PI	702.585,4243	8.772.713,3793	32°16'34.34"
18+0,000		702.586,3221	8.772.714,7577	33°4'39.90"
19+0,000		702.597,2376	8.772.731,5163	33°4'39.90"
20+0,000		702.608,1532	8.772.748,2749	33°4'39.90"
21+0,000		702.619,0687	8.772.765,0335	33°4'39.90"
21+12,426	TC	702.625,8505	8.772.775,4456	33°4'39.90"
22+0,000		702.629,0097	8.772.782,3073	17°29'21.31"
22+1,931	PT	702.629,5304	8.772.784,1667	13°48'2.42"
22+18,758	TC	702.633,4642	8.772.800,5274	13°31'11.37"
23+0,000		702.633,7583	8.772.801,7338	13°52'31.99"
24+0,000		702.639,5166	8.772.820,8782	19°36'18.47"
24+10,179	PT	702.643,1744	8.772.830,3759	22°31'16.12"
24+15,922	PI	702.645,3741	8.772.835,6809	22°31'16.12"
25+0,000		702.646,5535	8.772.839,5849	16°48'31.79"
25+13,095	PF	702.650,3402	8.772.852,1200	16°48'31.79"
RUA D E RUA A				

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
0+0,000	PP	702.472,2869	8.772.518,6680	118°59'15.53"
1+0,000		702.489,7814	8.772.508,9756	118°59'15.53"
1+8,650	TC	702.497,3480	8.772.504,7835	118°59'15.53"
1+14,986	PT	702.502,9689	8.772.501,8605	115°57'44.32"
2+0,000		702.507,4765	8.772.499,6657	115°57'44.32"
2+10,942	TC	702.517,3143	8.772.494,8755	115°57'44.32"
2+17,187	PT	702.523,0752	8.772.495,8722	44°24'23.10"
3+0,000		702.525,0439	8.772.497,8821	44°24'23.10"
3+4,057	PI	702.527,8828	8.772.500,7805	44°24'23.10"
4+0,000		702.539,0388	8.772.512,1700	44°24'23.10"
5+0,000		702.553,0336	8.772.526,4579	44°24'23.10"
5+3,562	TC	702.555,5261	8.772.529,0026	44°24'23.10"
5+16,666	PT	702.564,2750	8.772.538,7520	39°24'4.34"
6+0,000		702.566,3915	8.772.541,3286	39°24'4.34"
6+16,227	PF	702.576,6913	8.772.553,8672	39°24'4.34"
TRAVESSA 419				
0+0,000	PP	703.581,8819	8.773.125,5494	19°55'39.03"
0+9,754	TC	703.585,2063	8.773.134,7193	19°55'39.03"
0+13,527	PT	703.586,4250	8.773.138,2898	17°45'56.64"
1+0,000		703.588,4001	8.773.144,4542	17°45'56.64"
1+0,126	PI	703.588,4387	8.773.144,5744	17°45'56.64"
2+0,000		703.594,2948	8.773.163,5658	17°8'14.73"
2+7,383	PF	703.596,4702	8.773.170,6209	17°8'14.73"
RUA QUATROCENTOS E DEZENOVE				
0+0,000	PP	703.575,9060	8.773.128,0539	112°44'21.24"
0+9,740	PI	703.584,8888	8.773.124,2891	112°44'21.24"
1+0,000		703.594,3665	8.773.120,3592	112°31'17.41"
2+0,000		703.612,8412	8.773.112,6986	112°31'17.41"
2+1,676	TC	703.614,3897	8.773.112,0565	112°31'17.41"
2+11,103	PT	703.623,3848	8.773.109,2857	101°43'11.63"
3+0,000		703.632,0968	8.773.107,4783	101°43'11.63"
4+0,000		703.651,6799	8.773.103,4158	101°43'11.63"
4+16,328	TC	703.667,6671	8.773.100,0992	101°43'11.63"
5+0,000		703.671,2510	8.773.099,2983	103°28'23.97"
5+0,568	PT	703.671,8026	8.773.099,1648	103°44'39.64"
5+7,428	TC	703.678,4662	8.773.097,5349	103°44'39.64"
5+11,002	PT	703.681,8437	8.773.096,3809	113°58'59.59"
6+0,000		703.690,0652	8.773.092,7233	113°58'59.59"
6+13,164	TC	703.702,0926	8.773.087,3726	113°58'59.59"
6+17,989	PT	703.706,3996	8.773.085,2019	119°30'43.96"
7+0,000		703.708,1498	8.773.084,2112	119°30'43.96"
7+2,788	TC	703.710,5765	8.773.082,8376	119°30'43.96"
7+5,284	PT	703.712,7783	8.773.081,6628	116°39'7.97"
7+14,347	TC	703.720,8784	8.773.077,5974	116°39'7.97"
8+0,000		703.725,6020	8.773.074,5146	129°36'25.24"
8+1,984	PT	703.727,0786	8.773.073,1906	134°9'12.94"
8+8,103	TC	703.731,4691	8.773.068,9280	134°9'12.94"
8+15,088	PT	703.737,0907	8.773.064,8212	118°8'45.60"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
9+0,000		703.741,4221	8.773.062,5040	118°8'45.60"
10+0,000		703.759,0570	8.773.053,0696	118°8'45.60"
10+14,291	PF	703.771,6585	8.773.046,3280	118°8'45.60"
RUA 20				
0+0,000	PP	703.651,6715	8.773.083,7231	20°17'15.33"
0+19,501	PF	703.658,4333	8.773.102,0148	20°17'15.33"
RUA QUATROCENTOS E DEZENOVE II				
0+0,000	PP	703.434,6411	8.772.561,6280	29°34'12.83"
1+0,000		703.444,5109	8.772.579,0230	29°34'12.83"
1+14,615	PI	703.451,7230	8.772.591,7340	29°34'12.83"
2+0,000		703.454,3475	8.772.596,4367	29°9'52.12"
3+0,000		703.464,0938	8.772.613,9012	29°9'52.12"
3+12,775	PI	703.470,3195	8.772.625,0570	29°9'52.12"
4+0,000		703.473,9778	8.772.631,2870	30°25'18.03"
5+0,000		703.484,1050	8.772.648,5334	30°25'18.03"
5+1,823	TC	703.485,0280	8.772.650,1053	30°25'18.03"
5+6,501	PT	703.487,3175	8.772.654,1843	28°11'17.28"
6+0,000		703.493,6941	8.772.666,0825	28°11'17.28"
7+0,000		703.503,1414	8.772.683,7106	28°11'17.28"
7+4,570	PI	703.505,3000	8.772.687,7383	28°11'17.28"
8+0,000		703.512,8412	8.772.701,2003	29°15'25.18"
8+10,696	PI	703.518,0689	8.772.710,5322	29°15'25.18"
9+0,000		703.522,7687	8.772.718,5614	30°20'31.02"
10+0,000		703.532,8719	8.772.735,8220	30°20'31.02"
10+14,735	PI	703.540,3153	8.772.748,5385	30°20'31.02"
11+0,000		703.543,0202	8.772.753,0557	30°54'47.96"
11+14,621	PI	703.550,5315	8.772.765,5995	30°54'47.96"
12+0,000		703.553,3418	8.772.770,1863	31°29'41.59"
12+18,155	TC	703.562,8264	8.772.785,6669	31°29'41.59"
13+0,000		703.563,8380	8.772.787,2095	35°1'6.44"
13+2,093	PT	703.565,0979	8.772.788,8804	39°0'58.18"
13+3,445	TC	703.565,9491	8.772.789,9310	39°0'58.18"
13+8,167	PT	703.568,6215	8.772.793,8183	29°59'51.02"
13+12,185	TC	703.570,6301	8.772.797,2976	29°59'51.02"
13+15,516	PT	703.572,3905	8.772.800,1251	33°48'54.07"
14+0,000		703.574,8857	8.772.803,8504	33°48'54.07"
14+1,298	TC	703.575,6078	8.772.804,9284	33°48'54.07"
14+3,554	PT	703.576,8208	8.772.806,8309	31°13'45.51"
14+16,301	PI	703.583,4299	8.772.817,7311	31°13'45.51"
15+0,000		703.585,3015	8.772.820,9213	30°23'54.65"
16+0,000		703.595,4217	8.772.838,1718	30°23'54.65"
16+2,629	PI	703.596,7521	8.772.840,4395	30°23'54.65"
16+19,981	PI	703.605,5154	8.772.855,4156	30°20'3.45"
17+0,000		703.605,5254	8.772.855,4320	31°26'12.41"
17+12,852	TC	703.612,2287	8.772.866,3979	31°26'12.41"
17+17,173	PT	703.614,3813	8.772.870,1430	28°20'33.71"
18+0,000		703.615,7549	8.772.872,6143	29°3'57.94"
19+0,000		703.625,4713	8.772.890,0955	29°3'57.94"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
19+4,257	PI	703.627,5392	8.772.893,8160	29°3'57.94"
19+10,624	PI	703.632,4710	8.772.897,8437	50°45'43.00"
19+16,864	TC	703.636,0793	8.772.902,9347	35°19'38.74"
20+0,000		703.637,8446	8.772.905,5264	33°21'45.14"
20+3,349	PT	703.639,6390	8.772.908,3535	31°26'38.05"
21+0,000		703.648,3254	8.772.922,5596	31°26'38.05"
21+8,664	PI	703.652,8449	8.772.929,9511	31°26'38.05"
21+18,898	PI	703.658,1346	8.772.938,7122	31°7'19.63"
22+0,000		703.658,7244	8.772.939,6432	32°21'20.05"
22+16,082	PI	703.667,3310	8.772.953,2283	32°21'20.05"
23+0,000		703.669,3928	8.772.956,5601	31°45'0.04"
24+0,000		703.679,9170	8.772.973,5671	31°45'0.04"
24+12,753	TC	703.686,6280	8.772.984,4119	31°45'0.04"
24+15,671	PT	703.688,2082	8.772.986,8644	33°50'22.55"
25+0,000		703.690,6189	8.772.990,4601	33°50'22.55"
25+11,420	PI	703.696,9786	8.772.999,9459	33°50'22.55"
26+0,000		703.701,5281	8.773.007,2199	32°1'26.08"
26+18,340	TC	703.711,2532	8.773.022,7688	32°1'26.08"
27+0,000		703.712,0862	8.773.024,2046	28°13'7.16"
27+2,102	PT	703.713,0010	8.773.026,0961	23°24'7.41"
27+4,356	TC	703.713,8962	8.773.028,1645	23°24'7.41"
27+8,357	PT	703.715,7718	8.773.031,6940	32°34'18.92"
28+0,000		703.722,0401	8.773.041,5060	32°34'18.92"
28+4,311	TC	703.724,3610	8.773.045,1391	32°34'18.92"
28+8,847	PT	703.726,6265	8.773.049,0673	27°22'25.59"
28+13,387	TC	703.728,7136	8.773.053,0983	27°22'25.59"
28+17,742	PT	703.730,8819	8.773.056,8737	32°21'51.70"
29+0,000		703.732,0907	8.773.058,7812	32°21'51.70"
29+7,725	PF	703.736,2259	8.773.065,3061	32°21'51.70"
RUA QUATROCENTOS E DEZOITO				
0+0,000	PP	703.397,3203	8.773.053,2172	93°5'31.60"
1+0,000		703.417,2911	8.773.052,1384	93°5'31.60"
2+0,000		703.437,2620	8.773.051,0596	93°5'31.60"
3+0,000		703.457,2329	8.773.049,9807	93°5'31.60"
3+8,307	TC	703.465,5276	8.773.049,5326	93°5'31.60"
4+0,000		703.476,7890	8.773.046,6709	115°25'28.08"
4+5,431	PT	703.481,4569	8.773.043,9091	125°47'49.46"
4+18,740	TC	703.492,2519	8.773.036,1244	125°47'49.46"
5+0,000		703.493,2888	8.773.035,4092	123°23'28.08"
5+5,402	PT	703.498,0416	8.773.032,8573	113°4'27.59"
6+0,000		703.511,4493	8.773.027,0833	113°17'57.02"
7+0,000		703.529,8183	8.773.019,1726	113°17'57.02"
8+0,000		703.548,1874	8.773.011,2620	113°17'57.02"
9+0,000		703.566,5564	8.773.003,3513	113°17'57.02"
10+0,000		703.584,9254	8.772.995,4407	113°17'57.02"
11+0,000		703.603,2945	8.772.987,5300	113°17'57.02"
11+8,554	PF	703.611,1514	8.772.984,1465	113°17'57.02"
RUA VINTE E SETE				

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
0+0,000	PP	703.493,4868	8.773.003,6212	112°6'5.52"
1+0,000		703.512,0172	8.772.996,0963	112°6'5.52"
2+0,000		703.530,5476	8.772.988,5713	112°6'5.52"
2+19,828	TC	703.548,9187	8.772.981,1110	112°6'5.52"
3+0,000		703.549,0779	8.772.981,0462	112°10'1.92"
3+4,852	PT	703.553,5405	8.772.979,1433	114°1'13.29"
4+0,000		703.567,3771	8.772.972,9770	114°1'13.29"
4+1,190	TC	703.568,4640	8.772.972,4926	114°1'13.29"
4+7,913	PT	703.574,5411	8.772.969,6194	116°35'17.58"
5+0,000		703.585,3502	8.772.964,2094	116°35'17.58"
5+10,461	TC	703.594,7049	8.772.959,5273	116°35'17.58"
5+18,916	PT	703.602,1548	8.772.955,5322	119°49'3.42"
6+0,000		703.603,0957	8.772.954,9930	119°49'3.42"
6+13,019	TC	703.614,3913	8.772.948,5193	119°49'3.42"
6+14,219	PT	703.615,4349	8.772.947,9267	119°21'33.06"
7+0,000		703.620,4731	8.772.945,0926	119°21'33.06"
8+0,000		703.637,9044	8.772.935,2869	119°21'33.06"
8+15,540	PF	703.651,4488	8.772.927,6678	119°21'33.06"
RUA VINTE E OITO				
0+0,000	PP	703.590,5799	8.772.961,5919	26°35'17.58"
1+0,000		703.599,5314	8.772.979,4768	26°35'17.58"
1+8,900	PF	703.603,5146	8.772.987,4352	26°35'17.58"
RUA ARLINGTON				
0+0,000	PP	703.365,5711	8.773.003,4119	105°10'40.75"
1+0,000		703.384,8735	8.772.998,1755	105°10'40.75"
2+0,000		703.404,1758	8.772.992,9391	105°10'40.75"
2+19,049	PI	703.422,5607	8.772.987,9516	105°10'40.75"
3+0,000		703.423,4708	8.772.987,6771	106°47'6.86"
4+0,000		703.442,6187	8.772.981,9014	106°47'6.86"
4+12,910	TC	703.454,9788	8.772.978,1732	106°47'6.86"
4+17,345	PT	703.459,1627	8.772.976,7058	111°52'3.63"
5+0,000		703.461,6263	8.772.975,7171	111°52'3.63"
5+7,022	TC	703.468,1432	8.772.973,1015	111°52'3.63"
5+12,595	PT	703.473,2647	8.772.970,9067	114°31'41.89"
6+0,000		703.480,0018	8.772.967,8324	114°31'41.89"
6+10,993	TC	703.490,0025	8.772.963,2689	114°31'41.89"
6+14,472	PT	703.493,1885	8.772.961,8704	112°52'0.94"
7+0,000		703.498,2818	8.772.959,7224	112°52'0.94"
7+10,580	TC	703.508,0300	8.772.955,6113	112°52'0.94"
7+15,966	PT	703.513,0300	8.772.953,6075	110°48'33.48"
8+0,000		703.516,8004	8.772.952,1746	110°48'33.48"
8+7,704	TC	703.524,0015	8.772.949,4378	110°48'33.48"
8+18,288	PT	703.533,7551	8.772.945,3316	114°51'8.69"
9+0,000		703.535,3081	8.772.944,6123	114°51'8.69"
9+13,439	PI	703.547,5024	8.772.938,9642	114°51'8.69"
10+0,000		703.553,4182	8.772.936,1266	115°37'30.14"
10+9,202	TC	703.561,7152	8.772.932,1469	115°37'30.14"
10+15,826	PT	703.567,6225	8.772.929,1513	118°9'18.75"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
11+0,000		703.571,3026	8.772.927,1817	118°9'18.75"
11+14,230	PI	703.583,8484	8.772.920,4673	118°9'18.75"
12+0,000		703.588,9811	8.772.917,8305	117°11'28.23"
12+18,044	PI	703.605,0312	8.772.909,5850	117°11'28.23"
13+0,000		703.606,7473	8.772.908,6468	118°39'52.46"
14+0,000		703.624,2961	8.772.899,0532	118°39'52.46"
14+2,831	PI	703.626,7806	8.772.897,6950	118°39'52.46"
15+0,000		703.641,7868	8.772.889,3539	119°4'1.53"
15+17,566	PI	703.657,1400	8.772.880,8200	119°4'1.53"
16+0,000		703.659,2881	8.772.879,6745	118°4'8.37"
17+0,000		703.676,9357	8.772.870,2638	118°4'8.37"
17+4,822	PI	703.681,1907	8.772.867,9948	118°4'8.37"
18+0,000		703.694,2919	8.772.860,3316	120°19'28.30"
18+16,063	TC	703.708,1568	8.772.852,2217	120°19'28.30"
18+19,232	PT	703.708,8591	8.772.849,4616	211°7'19.09"
19+0,000		703.708,4622	8.772.848,8041	211°7'19.09"
20+0,000		703.698,1249	8.772.831,6827	211°7'19.09"
20+13,932	TC	703.690,9239	8.772.819,7557	211°7'19.09"
20+19,418	PT	703.687,8368	8.772.815,2244	217°24'29.15"
21+0,000		703.687,4833	8.772.814,7621	217°24'29.15"
21+11,886	PI	703.680,2627	8.772.805,3207	217°24'29.15"
22+0,000		703.675,2939	8.772.798,9060	217°45'41.05"
22+5,183	TC	703.672,1197	8.772.794,8081	217°45'41.05"
22+11,198	PT	703.668,7309	8.772.789,8433	210°52'8.41"
22+15,268	PI	703.666,6427	8.772.786,3498	210°52'8.41"
23+0,000		703.664,2284	8.772.782,2803	210°40'46.54"
23+8,951	TC	703.659,6611	8.772.774,5819	210°40'46.54"
23+15,760	PT	703.655,7996	8.772.768,9803	218°28'54.77"
24+0,000		703.653,1613	8.772.765,6613	218°28'54.77"
24+5,056	PF	703.650,0148	8.772.761,7031	218°28'54.77"
RUA OSÉIAS SIMÃO DOS REIS				
0+0,000	PP	703.366,2527	8.772.621,8161	32°24'23.62"
1+0,000		703.376,9712	8.772.638,7015	32°24'23.62"
1+10,738	TC	703.382,7260	8.772.647,7674	32°24'23.62"
1+16,025	PT	703.385,4601	8.772.652,2917	29°52'56.43"
2+0,000		703.387,3747	8.772.655,7754	28°47'33.88"
3+0,000		703.397,0075	8.772.673,3027	28°47'33.88"
4+0,000		703.406,6404	8.772.690,8301	28°47'33.88"
4+19,433	TC	703.416,0001	8.772.707,8604	28°47'33.88"
5+0,000		703.416,2759	8.772.708,3559	29°25'3.38"
6+0,000		703.429,1681	8.772.723,4849	51°27'16.00"
6+3,135	PT	703.431,6772	8.772.725,3632	54°54'30.26"
7+0,000		703.445,4769	8.772.735,0588	54°54'30.26"
7+2,622	TC	703.447,6223	8.772.736,5661	54°54'30.26"
7+18,275	PT	703.458,3673	8.772.747,8109	32°29'14.94"
8+0,000		703.459,2939	8.772.749,2662	32°29'14.94"
8+2,440	TC	703.460,6045	8.772.751,3244	32°29'14.94"
8+4,536	PT	703.461,7534	8.772.753,0776	33°59'19.46"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
8+16,553	TC	703.468,4710	8.772.763,0410	33°59'19.46"
9+0,000		703.470,3568	8.772.765,9266	32°20'34.01"
9+6,544	PT	703.473,7053	8.772.771,5480	29°13'5.76"
10+0,000		703.480,2737	8.772.783,2920	29°13'5.76"
10+6,313	TC	703.483,3555	8.772.788,8021	29°13'5.76"
10+13,140	PT	703.487,6305	8.772.794,0819	48°46'29.84"
11+0,000		703.492,7901	8.772.798,6028	48°46'29.84"
11+1,254	TC	703.493,7333	8.772.799,4293	48°46'29.84"
11+9,588	PT	703.498,6937	8.772.806,0507	24°54'4.51"
11+16,292	TC	703.501,5165	8.772.812,1316	24°54'4.51"
12+0,000		703.503,1552	8.772.815,4577	27°33'25.54"
12+6,469	PT	703.506,3767	8.772.821,0660	32°11'25.63"
12+9,743	TC	703.508,1209	8.772.823,8367	32°11'25.63"
12+16,004	PT	703.511,9826	8.772.828,7496	44°8'47.82"
12+16,824	TC	703.512,5542	8.772.829,3385	44°8'47.82"
13+0,000		703.514,6414	8.772.831,7299	38°4'53.77"
13+2,357	PT	703.516,0208	8.772.833,6404	33°34'47.91"
13+5,782	TC	703.517,9151	8.772.836,4937	33°34'47.91"
14+0,000		703.524,0007	8.772.849,2906	17°17'14.11"
14+7,245	PT	703.525,6459	8.772.856,3398	8°59'6.24"
14+14,500	TC	703.526,7788	8.772.863,5054	8°59'6.24"
14+16,695	PT	703.527,1692	8.772.865,6658	11°30'3.62"
15+0,000		703.527,8282	8.772.868,9043	11°30'3.62"
15+11,551	TC	703.530,1313	8.772.880,2233	11°30'3.62"
15+14,041	PT	703.530,6884	8.772.882,6504	14°21'17.71"
16+0,000		703.532,1657	8.772.888,4229	14°21'17.71"
16+12,767	TC	703.535,3311	8.772.900,7918	14°21'17.71"
16+18,742	PT	703.537,1543	8.772.906,4779	21°12'5.51"
17+0,000		703.537,6092	8.772.907,6505	21°12'5.51"
18+0,000		703.544,8422	8.772.926,2968	21°12'5.51"
18+12,610	PF	703.549,4024	8.772.938,0528	21°12'5.51"
TRAVESSA OSÉIAS				
0+0,000	PP	703.494,5673	8.772.929,6367	115°5'21.49"
1+0,000		703.512,6803	8.772.921,1561	115°5'21.49"
2+0,000		703.530,7933	8.772.912,6754	115°5'21.49"
2+8,191	PF	703.538,2112	8.772.909,2023	115°5'21.49"
TRAVESSA SIMÃO				
0+0,000	PP	703.464,0245	8.772.817,9490	121°0'13.29"
1+0,000		703.481,1672	8.772.807,6471	121°0'13.29"
1+15,178	PF	703.494,1763	8.772.799,8293	121°0'13.29"
TRAVESSA REIS				
0+0,000	PP	703.435,5696	8.772.766,9400	123°26'21.20"
1+0,000		703.452,2590	8.772.755,9190	123°26'21.20"
1+9,509	PF	703.460,1937	8.772.750,6792	123°26'21.20"
RUA JONAS SOARES REIS				
0+0,000	PP	703.401,2026	8.772.741,1558	126°5'10.83"
0+9,326	TC	703.408,7390	8.772.735,6629	126°5'10.83"
0+13,591	PT	703.412,0940	8.772.733,0301	130°9'34.90"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
1+0,000		703.416,9918	8.772.728,8970	130°9'34.90"
1+5,042	PI	703.420,8455	8.772.725,6450	130°9'34.90"
1+14,152	PI	703.426,8688	8.772.718,8114	138°36'23.08"
2+0,000		703.431,2622	8.772.714,9512	131°18'12.19"
3+0,000		703.446,2867	8.772.701,7503	131°18'12.19"
3+13,800	TC	703.456,6540	8.772.692,6414	131°18'12.19"
3+16,645	PT	703.458,8128	8.772.690,7894	129°56'43.02"
4+0,000		703.461,3850	8.772.688,6352	129°56'43.02"
4+2,559	TC	703.463,3466	8.772.686,9924	129°56'43.02"
4+9,132	PT	703.468,2071	8.772.682,5699	134°39'10.90"
4+15,893	TC	703.473,0167	8.772.677,8182	134°39'10.90"
5+0,000		703.475,9872	8.772.674,9822	132°41'31.21"
5+3,970	PT	703.478,9491	8.772.672,3391	130°47'47.43"
6+0,000		703.491,0845	8.772.661,8655	130°47'47.43"
6+3,409	TC	703.493,6650	8.772.659,6383	130°47'47.43"
6+10,074	PT	703.499,1516	8.772.655,8772	118°3'57.41"
6+19,719	PI	703.507,6620	8.772.651,3396	118°3'57.41"
7+0,000		703.507,9121	8.772.651,2113	117°8'53.71"
8+0,000		703.525,7087	8.772.642,0854	117°8'53.71"
8+5,725	TC	703.530,8029	8.772.639,4732	117°8'53.71"
8+13,446	PT	703.537,5550	8.772.635,7317	120°50'4.71"
9+0,000		703.543,1829	8.772.632,3722	120°50'4.71"
10+0,000		703.560,3559	8.772.622,1210	120°50'4.71"
10+0,111	PI	703.560,4509	8.772.622,0643	120°50'4.71"
11+0,000		703.565,1417	8.772.602,7360	166°21'30.83"
11+1,461	PI	703.565,4862	8.772.601,3163	166°21'30.83"
12+0,000		703.581,8370	8.772.592,5785	118°7'11.20"
12+0,239	PI	703.582,0479	8.772.592,4658	118°7'11.20"
13+0,000		703.599,5143	8.772.583,2236	117°53'6.60"
13+12,451	TC	703.610,5197	8.772.577,4002	117°53'6.60"
14+0,000		703.616,9007	8.772.573,3803	126°32'7.89"
14+2,386	PT	703.618,7831	8.772.571,9147	129°16'10.21"
15+0,000		703.632,4196	8.772.560,7655	129°16'10.21"
16+0,000		703.647,9031	8.772.548,1061	129°16'10.21"
16+8,553	TC	703.654,5247	8.772.542,6923	129°16'10.21"
17+0,000		703.661,4502	8.772.533,7036	155°30'14.47"
18+0,000		703.661,9863	8.772.514,2401	201°20'26.31"
18+1,654	PT	703.661,3339	8.772.512,7207	205°7'51.49"
19+0,000		703.653,5425	8.772.496,1112	205°7'51.49"
20+0,000		703.645,0487	8.772.478,0044	205°7'51.49"
20+0,040	TC	703.645,0318	8.772.477,9684	205°7'51.49"
20+3,915	PT	703.643,3184	8.772.474,4925	207°21'5.24"
21+0,000		703.635,9283	8.772.460,2060	207°21'5.24"
21+14,808	PF	703.629,1250	8.772.447,0538	207°21'5.24"
RUA 25				
0+0,000	PP	703.610,0108	8.772.862,7697	121°18'51.95"
1+0,000		703.627,0974	8.772.852,3750	121°18'51.95"
1+5,005	PI	703.631,3729	8.772.849,7740	121°18'51.95"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
1+12,568	TC	703.637,8828	8.772.845,9231	120°36'20.60"
1+19,219	PT	703.643,7420	8.772.842,7793	115°49'37.85"
2+0,000		703.644,4446	8.772.842,4392	115°49'37.85"
2+14,347	TC	703.657,3587	8.772.836,1888	115°49'37.85"
3+0,000		703.662,3560	8.772.833,5490	119°51'47.20"
3+0,595	PT	703.662,8707	8.772.833,2509	120°17'15.99"
3+19,112	TC	703.678,8603	8.772.823,9119	120°17'15.99"
4+0,000		703.679,6205	8.772.823,4528	121°58'11.64"
4+7,256	PT	703.685,2588	8.772.818,9126	135°42'51.18"
4+10,908	TC	703.687,8082	8.772.816,2988	135°42'51.18"
4+19,733	PT	703.694,8044	8.772.810,9718	118°51'33.77"
5+0,000		703.695,0383	8.772.810,8428	118°51'33.77"
6+0,000		703.712,5545	8.772.801,1896	118°51'33.77"
6+9,925	TC	703.721,2467	8.772.796,3993	118°51'33.77"
6+19,558	PT	703.729,4879	8.772.791,4162	123°27'32.04"
7+0,000		703.729,8567	8.772.791,1725	123°27'32.04"
7+10,218	TC	703.738,3818	8.772.785,5387	123°27'32.04"
7+15,762	PT	703.743,1665	8.772.782,7447	117°6'22.85"
8+0,000		703.746,9389	8.772.780,8137	117°6'22.85"
8+2,973	TC	703.749,5858	8.772.779,4589	117°6'22.85"
8+5,049	PT	703.751,4524	8.772.778,5518	114°43'40.57"
9+0,000		703.765,0325	8.772.772,2976	114°43'40.57"
10+0,000		703.783,1986	8.772.763,9314	114°43'40.57"
11+0,000		703.801,3647	8.772.755,5652	114°43'40.57"
11+10,787	PF	703.811,1629	8.772.751,0528	114°43'40.57"
RUA 26				
0+0,000	PP	703.572,9034	8.772.800,8909	111°34'35.88"
1+0,000		703.591,5019	8.772.793,5360	111°34'35.88"
1+4,617	PI	703.595,7950	8.772.791,8383	111°34'35.88"
2+0,000		703.610,1578	8.772.786,3284	110°59'15.90"
3+0,000		703.628,8310	8.772.779,1650	110°59'15.90"
3+10,204	TC	703.638,3578	8.772.775,5104	110°59'15.90"
3+12,570	PT	703.640,5859	8.772.774,7155	108°16'35.95"
4+0,000		703.647,6415	8.772.772,3853	108°16'35.95"
4+9,057	PF	703.656,2418	8.772.769,5449	108°16'35.95"
RUA ALECRIM				
0+0,000	PP	703.548,7543	8.772.762,6316	109°45'11.95"
1+0,000		703.567,5774	8.772.755,8722	109°45'11.95"
2+0,000		703.586,4006	8.772.749,1127	109°45'11.95"
3+0,000		703.605,2237	8.772.742,3533	109°45'11.95"
4+0,000		703.624,0468	8.772.735,5939	109°45'11.95"
5+0,000		703.642,8699	8.772.728,8345	109°45'11.95"
5+1,239	PI	703.644,0356	8.772.728,4159	109°45'11.95"
6+0,000		703.661,6334	8.772.721,9112	110°17'8.58"
6+3,401	PI	703.664,8236	8.772.720,7321	110°17'8.58"
7+0,000		703.680,2234	8.772.714,5379	111°54'40.30"
8+0,000		703.698,7787	8.772.707,0745	111°54'40.30"
9+0,000		703.717,3339	8.772.699,6111	111°54'40.30"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
10+0,000		703.735,8892	8.772.692,1477	111°54'40.30"
10+11,699	PF	703.746,7428	8.772.687,7822	111°54'40.30"
RUA PROFESSOR GUIOMAR				
0+0,000	PP	703.225,7610	8.772.817,6868	117°28'58.77"
0+17,716	TC	703.241,4779	8.772.809,5110	117°28'58.77"
1+0,000		703.243,5187	8.772.808,4862	115°50'50.53"
1+4,254	PT	703.247,3948	8.772.806,7341	112°48'1.87"
2+0,000		703.261,9102	8.772.800,6322	112°48'1.87"
3+0,000		703.280,3474	8.772.792,8817	112°48'1.87"
3+5,361	TC	703.285,2896	8.772.790,8042	112°48'1.87"
3+6,889	PT	703.286,7656	8.772.790,4348	95°17'47.62"
4+0,000		703.299,8211	8.772.789,2245	95°17'47.62"
4+0,005	TC	703.299,8259	8.772.789,2240	95°17'47.62"
4+1,537	PT	703.301,3064	8.772.788,8528	112°51'22.74"
5+0,000		703.318,4430	8.772.781,9817	111°50'55.39"
6+0,000		703.337,0064	8.772.774,5386	111°50'55.39"
7+0,000		703.355,5698	8.772.767,0955	111°50'55.39"
7+17,807	TC	703.372,0974	8.772.760,4686	111°50'55.39"
8+0,000		703.374,1146	8.772.759,6079	114°21'43.65"
8+10,231	PT	703.382,9397	8.772.754,4666	126°5'10.83"
9+0,000		703.390,8341	8.772.748,7128	126°5'10.83"
9+12,830	PF	703.401,2026	8.772.741,1558	126°5'10.83"
TRAVESSA PROFESSOR GUIOMAR				
0+0,000	PP	703.284,174	8.772.768,830	22°45'32.78"
1+0,000		703.291,911	8.772.787,273	22°45'32.78"
1+2,802	PF	703.292,995	8.772.789,857	22°45'32.78"
RUA B (2)				
0+0,000	PP	702.574,0593	8.772.349,8733	31°37'27.33"
1+0,000		702.584,5463	8.772.366,9034	31°37'27.33"
2+0,000		702.595,0332	8.772.383,9335	31°37'27.33"
3+0,000		702.605,5201	8.772.400,9636	31°37'27.33"
4+0,000		702.616,0071	8.772.417,9937	31°37'27.33"
5+0,000		702.626,4940	8.772.435,0238	31°37'27.33"
6+0,000		702.636,9809	8.772.452,0539	31°37'27.33"
6+19,851	PF	702.647,3898	8.772.468,9572	31°37'27.33"
RUA C (2)				
0+0,000	PP	702.629,3963	8.772.312,3671	31°36'17.82"
1+0,000		702.639,8775	8.772.329,4007	31°36'17.82"
1+6,923	TC	702.643,5056	8.772.335,2969	31°36'17.82"
1+19,849	PT	702.649,9192	8.772.346,5168	27°54'7.08"
2+0,000		702.649,9899	8.772.346,6503	27°54'7.08"
3+0,000		702.659,3491	8.772.364,3253	27°54'7.08"
3+4,639	TC	702.661,5198	8.772.368,4247	27°54'7.08"
3+19,158	PT	702.668,7739	8.772.380,9986	32°3'41.40"
4+0,000		702.669,2208	8.772.381,7120	32°3'41.40"
5+0,000		702.679,8374	8.772.398,6616	32°3'41.40"
6+0,000		702.690,4540	8.772.415,6111	32°3'41.40"
6+13,375	PI	702.697,5537	8.772.426,9460	32°3'41.40"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
7+0,000		702.700,9898	8.772.432,6105	31°14'28.40"
8+0,000		702.711,3626	8.772.449,7103	31°14'28.40"
9+0,000		702.721,7355	8.772.466,8101	31°14'28.40"
10+0,000		702.732,1083	8.772.483,9100	31°14'28.40"
11+0,000		702.742,4812	8.772.501,0098	31°14'28.40"
11+19,656	PF	702.752,6757	8.772.517,8157	31°14'28.40"
RUA D (2)				
0+0,000	PP	702.639,4395	8.772.474,4555	124°40'2.44"
1+0,000		702.655,8889	8.772.463,0793	124°40'2.44"
2+0,000		702.672,3382	8.772.451,7031	124°40'2.44"
3+0,000		702.688,7876	8.772.440,3269	124°40'2.44"
3+14,459	PF	702.700,6793	8.772.432,1027	124°40'2.44"
TRAVESSA JOSÉ FRANCISCO MATOS				
0+0,000	PP	702.521,1126	8.772.325,6903	30°2'59.01"
1+0,000		702.531,1276	8.772.343,0022	30°2'59.01"
1+17,828	TC	702.540,0548	8.772.358,4335	30°2'59.01"
2+0,000		702.541,3065	8.772.360,2055	40°25'20.88"
2+17,153	PT	702.556,8578	8.772.362,5653	122°19'14.75"
3+0,000		702.559,2639	8.772.361,0430	122°19'14.75"
3+10,024	TC	702.567,7345	8.772.355,6838	122°19'14.75"
3+15,090	PT	702.571,6294	8.772.352,4641	136°50'11.01"
4+0,000		702.574,9880	8.772.348,8831	136°50'11.01"
4+2,112	TC	702.576,4327	8.772.347,3426	136°50'11.01"
4+6,967	PT	702.580,1490	8.772.344,2373	122°55'41.78"
5+0,000		702.591,0884	8.772.337,1526	122°55'41.78"
6+0,000		702.607,8755	8.772.326,2808	122°55'41.78"
7+0,000		702.624,6625	8.772.315,4090	122°55'41.78"
7+0,610	PI	702.625,1747	8.772.315,0773	122°55'41.78"
8+0,000		702.641,4913	8.772.304,6021	122°42'1.74"
9+0,000		702.658,3214	8.772.293,7971	122°42'1.74"
10+0,000		702.675,1516	8.772.282,9922	122°42'1.74"
11+0,000		702.691,9817	8.772.272,1872	122°42'1.74"
11+1,671	PF	702.693,3879	8.772.271,2844	122°42'1.74"
TRAVESSA AYRTON SENNA				
0+0,000	PP	702.523,7650	8.772.285,6805	114°16'43.94"
0+19,484	PI	702.541,5258	8.772.277,6691	114°16'43.94"
1+0,000		702.541,9979	8.772.277,4609	113°47'51.35"
2+0,000		702.560,2974	8.772.269,3908	113°47'51.35"
3+0,000		702.578,5969	8.772.261,3206	113°47'51.35"
4+0,000		702.596,8965	8.772.253,2505	113°47'51.35"
4+5,846	TC	702.602,2458	8.772.250,8914	113°47'51.35"
4+11,679	PT	702.607,5107	8.772.248,3837	117°8'21.54"
5+0,000		702.614,9157	8.772.244,5880	117°8'21.54"
6+0,000		702.632,7137	8.772.235,4649	117°8'21.54"
6+15,511	PI	702.646,5173	8.772.228,3892	117°8'21.54"
7+0,000		702.650,5809	8.772.226,4828	115°8'4.47"
7+14,446	PF	702.663,6586	8.772.220,3471	115°8'4.47"
RUA IATE				

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
0+0,000	PP	702.272,3866	8.772.348,8513	110°20'35.62"
1+0,000		702.291,1392	8.772.341,8984	110°20'35.62"
2+0,000		702.309,8917	8.772.334,9456	110°20'35.62"
3+0,000		702.328,6443	8.772.327,9927	110°20'35.62"
4+0,000		702.347,3968	8.772.321,0398	110°20'35.62"
5+0,000		702.366,1493	8.772.314,0870	110°20'35.62"
6+0,000		702.384,9019	8.772.307,1341	110°20'35.62"
6+0,041	PI	702.384,9404	8.772.307,1198	110°20'35.62"
7+0,000		702.403,7577	8.772.300,4663	109°28'22.30"
8+0,000		702.422,6136	8.772.293,7991	109°28'22.30"
9+0,000		702.441,4696	8.772.287,1319	109°28'22.30"
10+0,000		702.460,3256	8.772.280,4647	109°28'22.30"
11+0,000		702.479,1816	8.772.273,7975	109°28'22.30"
11+1,779	PF	702.480,8587	8.772.273,2045	109°28'22.30"
TRAVESSA IATE				
0+0,000	PP	702.214,6166	8.772.233,8040	38°20'0.84"
1+0,000		702.227,0214	8.772.249,4923	38°20'0.84"
1+1,168	PI	702.227,7457	8.772.250,4082	38°20'0.84"
2+0,000		702.238,7953	8.772.265,6581	35°55'34.06"
2+8,092	TC	702.243,5431	8.772.272,2106	35°55'34.06"
2+16,015	PT	702.247,6653	8.772.278,9675	26°50'47.92"
2+19,170	TC	702.249,0903	8.772.281,7828	26°50'47.92"
3+0,000		702.249,4588	8.772.282,5260	25°53'45.94"
3+6,109	PT	702.251,7848	8.772.288,1704	18°53'45.63"
4+0,000		702.256,2835	8.772.301,3131	18°53'45.63"
4+12,146	PI	702.260,2168	8.772.312,8040	18°53'45.63"
5+0,000		702.262,7292	8.772.320,2459	18°39'18.17"
6+0,000		702.269,1266	8.772.339,1951	18°39'18.17"
6+16,020	PF	702.274,2510	8.772.354,3735	18°39'18.17"
RUA SANTANA DO LIVRAMENTO				
0+0,000	PP	702.046,5018	8.772.197,1768	115°45'49.88"
1+0,000		702.064,5137	8.772.188,4836	115°45'49.88"
2+0,000		702.082,5256	8.772.179,7903	115°45'49.88"
3+0,000		702.100,5374	8.772.171,0970	115°45'49.88"
4+0,000		702.118,5493	8.772.162,4038	115°45'49.88"
5+0,000		702.136,5612	8.772.153,7105	115°45'49.88"
6+0,000		702.154,5730	8.772.145,0172	115°45'49.88"
7+0,000		702.172,5849	8.772.136,3240	115°45'49.88"
7+11,837	PI	702.183,2455	8.772.131,1787	115°45'49.88"
8+0,000		702.190,5594	8.772.127,5543	116°21'38.86"
9+0,000		702.208,4797	8.772.118,6739	116°21'38.86"
9+7,659	TC	702.215,3424	8.772.115,2731	116°21'38.86"
10+0,000		702.226,6620	8.772.110,3712	110°28'6.47"
10+1,330	PT	702.227,9104	8.772.109,9131	109°50'0.84"
10+18,874	TC	702.244,4144	8.772.103,9604	109°50'0.84"
11+0,000		702.245,4774	8.772.103,5904	108°32'37.58"
11+3,391	PT	702.248,7265	8.772.102,6218	104°39'28.46"
12+0,000		702.264,7949	8.772.098,4189	104°39'28.46"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
12+5,514	PI	702.270,1295	8.772.097,0236	104°39'28.46"
13+0,000		702.283,9867	8.772.092,8023	106°56'31.45"
14+0,000		702.303,1187	8.772.086,9743	106°56'31.45"
15+0,000		702.322,2507	8.772.081,1462	106°56'31.45"
15+10,535	PI	702.332,3285	8.772.078,0762	106°56'31.45"
16+0,000		702.341,3472	8.772.075,2042	107°39'50.65"
17+0,000		702.360,4043	8.772.069,1355	107°39'50.65"
17+2,566	TC	702.362,8494	8.772.068,3568	107°39'50.65"
17+10,336	PT	702.370,0408	8.772.065,4343	116°34'5.81"
18+0,000		702.378,6839	8.772.061,1122	116°34'5.81"
18+11,152	TC	702.388,6583	8.772.056,1243	116°34'5.81"
18+17,483	PT	702.394,4842	8.772.053,6584	109°18'50.21"
19+0,000		702.396,8599	8.772.052,8258	109°18'50.21"
19+12,029	PF	702.408,2117	8.772.048,8473	109°18'50.21"
TRAVESSA SANTANA DO LIVRAMENTO				
0+0,000	PP	702.148,9206	8.772.077,3513	35°9'0.03"
1+0,000		702.160,4350	8.772.093,7042	35°9'0.03"
2+0,000		702.171,9494	8.772.110,0572	35°9'0.03"
3+0,000		702.183,4638	8.772.126,4101	35°9'0.03"
3+4,225	PF	702.185,8964	8.772.129,8651	35°9'0.03"
RUA A(3)				
0+0,000	PP	701.950,3363	8.771.801,0165	121°5'21.27"
1+0,000		701.967,4636	8.771.790,6890	121°5'21.27"
2+0,000		701.984,5909	8.771.780,3616	121°5'21.27"
3+0,000		702.001,7181	8.771.770,0341	121°5'21.27"
4+0,000		702.018,8454	8.771.759,7067	121°5'21.27"
5+0,000		702.035,9727	8.771.749,3792	121°5'21.27"
6+0,000		702.053,1000	8.771.739,0518	121°5'21.27"
6+8,794	PF	702.060,6307	8.771.734,5109	121°5'21.27"
RUA B (3) E RUA F (3)				
0+0,000	PP	701.945,9115	8.771.800,4790	83°4'25.24"
1+0,000		701.965,7655	8.771.802,8908	83°4'25.24"
2+0,000		701.985,6195	8.771.805,3027	83°4'25.24"
2+5,932	TC	701.991,5086	8.771.806,0181	83°4'25.24"
3+0,000		702.005,5505	8.771.806,4811	93°8'55.92"
4+0,000		702.025,1763	8.771.802,9107	107°28'22.13"
4+7,707	PT	702.032,4051	8.771.800,2463	112°59'33.42"
5+0,000		702.043,7214	8.771.795,4446	112°59'33.42"
6+0,000		702.062,1325	8.771.787,6323	112°59'33.42"
7+0,000		702.080,5436	8.771.779,8201	112°59'33.42"
7+3,940	TC	702.084,1709	8.771.778,2809	112°59'33.42"
7+7,363	PT	702.085,1031	8.771.775,4082	211°3'3.11"
8+0,000		702.078,5851	8.771.764,5822	211°3'3.11"
9+0,000		702.068,2692	8.771.747,4480	211°3'3.11"
9+10,351	PI	702.062,9303	8.771.738,5805	211°3'3.11"
10+0,000		702.058,1832	8.771.730,1796	209°28'10.20"
11+0,000		702.048,3440	8.771.712,7673	209°28'10.20"
12+0,000		702.038,5048	8.771.695,3549	209°28'10.20"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
13+0,000		702.028,6656	8.771.677,9426	209°28'10.20"
13+3,531	PI	702.026,9287	8.771.674,8688	209°28'10.20"
14+0,000		702.018,6207	8.771.660,6484	210°17'40.76"
15+0,000		702.008,5318	8.771.643,3795	210°17'40.76"
15+17,740	PF	701.999,5829	8.771.628,0620	210°17'40.76"
RUA D (3)				
0+0,000	PP	701.925,0878	8.771.746,3452	119°6'8.25"
1+0,000		701.942,5628	8.771.736,6178	119°6'8.25"
2+0,000		701.960,0379	8.771.726,8904	119°6'8.25"
2+0,505	TC	701.960,4795	8.771.726,6446	119°6'8.25"
2+2,029	PT	701.961,7490	8.771.725,8054	127°49'46.62"
3+0,000		701.975,9434	8.771.714,7833	127°49'46.62"
3+16,942	TC	701.989,3250	8.771.704,3924	127°49'46.62"
4+0,000		701.991,7960	8.771.702,5920	124°19'32.50"
4+2,608	PT	701.993,9875	8.771.701,1780	121°20'11.95"
5+0,000		702.008,8421	8.771.692,1332	121°20'11.95"
6+0,000		702.025,9247	8.771.681,7319	121°20'11.95"
6+4,241	PF	702.029,5473	8.771.679,5261	121°20'11.95"
RUA JOSÉ OLIVEIRA				
0+0,000	PP	701.797,1802	8.771.516,0607	123°58'0.44"
1+0,000		701.813,7674	8.771.504,8864	123°58'0.44"
1+0,044	TC	701.813,8036	8.771.504,8620	123°58'0.44"
1+3,143	PT	701.816,5556	8.771.505,3683	35°11'7.19"
2+0,000		701.826,2692	8.771.519,1456	35°11'7.19"
3+0,000		701.837,7936	8.771.535,4915	35°11'7.19"
4+0,000		701.849,3181	8.771.551,8373	35°11'7.19"
4+4,234	PI	701.851,7580	8.771.555,2979	35°11'7.19"
5+0,000		701.860,9886	8.771.568,0789	35°50'14.98"
6+0,000		701.872,6984	8.771.584,2925	35°50'14.98"
7+0,000		701.884,4082	8.771.600,5062	35°50'14.98"
7+7,060	PI	701.888,5419	8.771.606,2298	35°50'14.98"
8+0,000		701.895,9773	8.771.616,8200	35°4'22.30"
9+0,000		701.907,4696	8.771.633,1884	35°4'22.30"
10+0,000		701.918,9620	8.771.649,5568	35°4'22.30"
10+9,663	PF	701.924,5143	8.771.657,4650	35°4'22.30"
RUA 23				
0+0,000	PP	701.877,4260	8.771.478,0605	32°40'33.24"
1+0,000		701.888,2237	8.771.494,8952	32°40'33.24"
1+12,915	TC	701.895,1962	8.771.505,7660	32°40'33.24"
2+0,000		701.899,1608	8.771.511,6375	35°22'56.23"
2+3,177	PT	701.901,0280	8.771.514,2084	36°35'45.56"
3+0,000		701.911,0570	8.771.527,7145	36°35'45.56"
3+5,415	PI	701.914,2855	8.771.532,0623	36°35'45.56"
4+0,000		701.922,8006	8.771.543,9031	35°43'15.62"
5+0,000		701.934,4774	8.771.560,1405	35°43'15.62"
6+0,000		701.946,1541	8.771.576,3779	35°43'15.62"
6+9,649	PI	701.951,7878	8.771.584,2118	35°43'15.62"
7+0,000		701.957,9196	8.771.592,5508	36°19'41.19"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
7+14,987	TC	701.966,7982	8.771.604,6250	36°19'41.19"
8+0,000		701.969,8347	8.771.608,6132	38°14'34.27"
8+6,161	PT	701.973,7466	8.771.613,3722	40°35'46.07"
8+17,948	PF	701.981,4165	8.771.622,3222	40°35'46.07"
AVENIDA POETA MÁRIO DE ARAÚJO CABRA				
0+0,000	PP	701.847,9426	8.771.928,0906	212°36'24.99"
1+0,000		701.837,1651	8.771.911,2428	212°36'24.99"
2+0,000		701.826,3877	8.771.894,3951	212°36'24.99"
2+14,183	TC	701.818,7446	8.771.882,4471	212°36'24.99"
3+0,000		701.815,6264	8.771.877,5377	211°2'0.31"
3+8,294	PT	701.811,5993	8.771.870,2887	207°4'23.78"
4+0,000		701.806,2717	8.771.859,8655	207°4'23.78"
4+8,270	TC	701.802,5078	8.771.852,5019	207°4'23.78"
5+0,000		701.805,2669	8.771.842,1562	123°3'42.47"
5+0,396	PT	701.805,6038	8.771.841,9485	120°13'36.84"
5+17,932	TC	701.820,7561	8.771.833,1201	120°13'36.84"
6+0,000		701.822,5515	8.771.832,0947	119°14'22.99"
6+4,733	PT	701.826,7261	8.771.829,8648	116°58'47.30"
6+19,859	TC	701.840,2059	8.771.823,0024	116°58'47.30"
7+0,000		701.840,3314	8.771.822,9388	116°49'6.61"
7+8,538	PT	701.848,2423	8.771.819,7544	107°2'4.62"
8+0,000		701.859,2014	8.771.816,3966	107°2'4.62"
8+12,786	TC	701.871,4262	8.771.812,6510	107°2'4.62"
8+19,847	PT	701.877,6766	8.771.809,4458	127°15'46.16"
9+0,000		701.877,7986	8.771.809,3530	127°15'46.16"
10+0,000		701.893,7159	8.771.797,2436	127°15'46.16"
10+17,094	PI	701.907,3206	8.771.786,8936	127°15'46.16"
11+0,000		701.909,5439	8.771.785,0225	130°4'55.92"
11+18,304	PF	701.923,5487	8.771.773,2368	130°4'55.92"
EIXO PROJETADO 01				
0+0,000	PP	703.034,140	8.773.087,466	185°51'45.04"
1+0,000		703.032,097	8.773.067,570	185°51'45.04"
1+9,135	PI	703.031,164	8.773.058,483	185°51'45.04"
2+0,000		703.040,098	8.773.052,301	124°40'51.35"
2+4,746	PF	703.044,001	8.773.049,600	124°40'51.35"
EIXO PROJETADO 02				
0+0,000	PP	701.883,447	8.772.027,581	127°30'43.75"
1+0,000		701.899,311	8.772.015,402	127°30'43.75"
1+5,253	PI	701.903,478	8.772.012,204	127°30'43.75"
1+14,169	PF	701.911,091	8.772.007,563	121°22'0.93"
EIXO DO CANAL E VALA PROJETADA				
0+0,000	PP	702.909,157	8.771.293,118	30°40'44.35"
1+0,000		702.919,362	8.771.310,319	30°40'44.35"
2+0,000		702.929,566	8.771.327,520	30°40'44.35"
3+0,000		702.939,771	8.771.344,720	30°40'44.35"
4+0,000		702.949,975	8.771.361,921	30°40'44.35"
5+0,000		702.960,180	8.771.379,122	30°40'44.35"
6+0,000		702.970,384	8.771.396,323	30°40'44.35"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
7+0,000		702.980,589	8.771.413,524	30°40'44.35"
8+0,000		702.990,793	8.771.430,724	30°40'44.35"
9+0,000		703.000,998	8.771.447,925	30°40'44.35"
10+0,000		703.011,203	8.771.465,126	30°40'44.35"
11+0,000		703.021,407	8.771.482,327	30°40'44.35"
12+0,000		703.031,612	8.771.499,528	30°40'44.35"
13+0,000		703.041,816	8.771.516,728	30°40'44.35"
14+0,000		703.052,021	8.771.533,929	30°40'44.35"
15+0,000		703.062,225	8.771.551,130	30°40'44.35"
16+0,000		703.072,430	8.771.568,331	30°40'44.35"
17+0,000		703.082,634	8.771.585,531	30°40'44.35"
18+0,000		703.092,839	8.771.602,732	30°40'44.35"
19+0,000		703.103,044	8.771.619,933	30°40'44.35"
20+0,000		703.113,248	8.771.637,134	30°40'44.35"
21+0,000		703.123,453	8.771.654,335	30°40'44.35"
22+0,000		703.133,657	8.771.671,535	30°40'44.35"
23+0,000		703.143,862	8.771.688,736	30°40'44.35"
24+0,000		703.154,066	8.771.705,937	30°40'44.35"
25+0,000		703.164,271	8.771.723,138	30°40'44.35"
26+0,000		703.174,475	8.771.740,339	30°40'44.35"
27+0,000		703.184,680	8.771.757,539	30°40'44.35"
28+0,000		703.194,884	8.771.774,740	30°40'44.35"
29+0,000		703.205,089	8.771.791,941	30°40'44.35"
30+0,000		703.215,294	8.771.809,142	30°40'44.35"
31+0,000		703.225,498	8.771.826,343	30°40'44.35"
32+0,000		703.235,703	8.771.843,543	30°40'44.35"
33+0,000		703.245,907	8.771.860,744	30°40'44.35"
34+0,000		703.256,112	8.771.877,945	30°40'44.35"
35+0,000		703.266,316	8.771.895,146	30°40'44.35"
36+0,000		703.276,521	8.771.912,346	30°40'44.35"
37+0,000		703.286,725	8.771.929,547	30°40'44.35"
38+0,000		703.296,930	8.771.946,748	30°40'44.35"
39+0,000		703.307,135	8.771.963,949	30°40'44.35"
40+0,000		703.317,339	8.771.981,150	30°40'44.35"
41+0,000		703.327,544	8.771.998,350	30°40'44.35"
42+0,000		703.337,748	8.772.015,551	30°40'44.35"
43+0,000		703.347,953	8.772.032,752	30°40'44.35"
43+18,330	PI	703.357,305	8.772.048,517	30°40'44.35"
44+0,000		703.358,153	8.772.049,956	30°29'47.21"
45+0,000		703.368,302	8.772.067,189	30°29'47.21"
46+0,000		703.378,452	8.772.084,422	30°29'47.21"
47+0,000		703.388,602	8.772.101,655	30°29'47.21"
48+0,000		703.398,751	8.772.118,888	30°29'47.21"
49+0,000		703.408,901	8.772.136,122	30°29'47.21"
50+0,000		703.419,051	8.772.153,355	30°29'47.21"
51+0,000		703.429,201	8.772.170,588	30°29'47.21"
52+0,000		703.439,350	8.772.187,821	30°29'47.21"
53+0,000		703.449,500	8.772.205,054	30°29'47.21"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
54+0,000		703.459,650	8.772.222,288	30°29'47.21"
55+0,000		703.469,799	8.772.239,521	30°29'47.21"
56+0,000		703.479,949	8.772.256,754	30°29'47.21"
57+0,000		703.490,099	8.772.273,987	30°29'47.21"
58+0,000		703.500,248	8.772.291,220	30°29'47.21"
59+0,000		703.510,398	8.772.308,454	30°29'47.21"
60+0,000		703.520,548	8.772.325,687	30°29'47.21"
60+13,224	TC	703.527,259	8.772.337,081	30°29'47.21"
61+0,000		703.530,667	8.772.342,938	29°53'56.94"
62+0,000		703.540,368	8.772.360,427	28°8'10.34"
62+15,424	PT	703.547,480	8.772.374,113	26°46'35.90"
63+0,000		703.549,541	8.772.378,198	26°46'35.90"
64+0,000		703.558,552	8.772.396,054	26°46'35.90"
65+0,000		703.567,562	8.772.413,909	26°46'35.90"
66+0,000		703.576,572	8.772.431,764	26°46'35.90"
67+0,000		703.585,582	8.772.449,620	26°46'35.90"
68+0,000		703.594,593	8.772.467,475	26°46'35.90"
69+0,000		703.603,603	8.772.485,331	26°46'35.90"
70+0,000		703.612,613	8.772.503,186	26°46'35.90"
71+0,000		703.621,623	8.772.521,041	26°46'35.90"
72+0,000		703.630,634	8.772.538,897	26°46'35.90"
73+0,000		703.639,644	8.772.556,752	26°46'35.90"
74+0,000		703.648,654	8.772.574,608	26°46'35.90"
75+0,000		703.657,665	8.772.592,463	26°46'35.90"
75+17,390	PI	703.665,499	8.772.607,988	26°46'35.90"
76+0,000		703.667,361	8.772.609,817	45°30'56.79"
77+0,000		703.681,630	8.772.623,831	45°30'56.79"
78+0,000		703.695,899	8.772.637,846	45°30'56.79"
79+0,000		703.710,168	8.772.651,860	45°30'56.79"
80+0,000		703.724,437	8.772.665,874	45°30'56.79"
81+0,000		703.738,706	8.772.679,888	45°30'56.79"
82+0,000		703.752,974	8.772.693,903	45°30'56.79"
83+0,000		703.767,243	8.772.707,917	45°30'56.79"
84+0,000		703.781,512	8.772.721,931	45°30'56.79"
85+0,000		703.795,781	8.772.735,945	45°30'56.79"
86+0,000		703.810,050	8.772.749,960	45°30'56.79"
87+0,000		703.824,319	8.772.763,974	45°30'56.79"
87+18,189	PF	703.837,296	8.772.776,719	45°30'56.79"
EIXO AUXILIAR 01				
0+0,000	PP	703.162,755	8.771.714,702	30°40'43.25"
0+9,411	PF	703.157,601	8.771.717,776	210°56'38.64"
EIXO AUXILIAR 02				
0+0,000	PP	703.170,853	8.771.740,113	210°24'50.06"
0+9,411	PF	703.176,020	8.771.737,063	30°40'45.45"
EIXO AUXILIAR 03				
0+0,000	PP	703.170,853	8.771.740,113	26°46'35.90"
0+9,425	PF	703.176,020	8.771.737,063	206°46'35.90"
EIXO AUXILIAR 04				

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
0+0,000	PP	703.663,397	8.772.610,129	225°30'56.79"
0+9,425	PF	703.667,601	8.772.605,848	45°30'56.79"
EIXO AUXILIAR 05				
0+0,000	PP	703.837,257	8.772.772,477	45°30'56.79"
0+9,425	PF	703.833,053	8.772.776,757	225°30'56.79"
EIXO DA RODOVIA DOS NÁUFRAGOS				
0+0,000	PP	702.055,4395	8.771.585,3058	301°45'14.99"
1+0,000		702.038,4332	8.771.595,8313	301°45'14.99"
2+0,000		702.021,4269	8.771.606,3568	301°45'14.99"
3+0,000		702.004,4206	8.771.616,8823	301°45'14.99"
4+0,000		701.987,4143	8.771.627,4078	301°45'14.99"
5+0,000		701.970,4081	8.771.637,9333	301°45'14.99"
6+0,000		701.953,4018	8.771.648,4589	301°45'14.99"
7+0,000		701.936,3955	8.771.658,9844	301°45'14.99"
7+7,733	PI	701.929,8204	8.771.663,0538	301°45'14.99"
8+0,000		701.919,4291	8.771.669,5740	302°6'24.15"
9+0,000		701.902,4880	8.771.680,2039	302°6'24.15"
9+9,893	TC	701.894,1080	8.771.685,4620	302°6'24.15"
10+0,000		701.889,4229	8.771.693,9353	0°0'55.26"
10+5,013	PT	701.890,6545	8.771.698,7404	28°44'9.56"
11+0,000		701.897,8600	8.771.711,8819	28°44'9.56"
12+0,000		701.907,4755	8.771.729,4188	28°44'9.56"
12+16,325	PI	701.915,3243	8.771.743,7335	28°44'9.56"
13+0,000		701.917,1520	8.771.746,9215	29°49'36.28"
14+0,000		701.927,0996	8.771.764,2721	29°49'36.28"
15+0,000		701.937,0472	8.771.781,6228	29°49'36.28"
15+1,558	TC	701.937,8223	8.771.782,9748	29°49'36.28"
16+0,000		701.940,5472	8.771.800,7939	347°33'42.72"
16+12,721	PT	701.934,8312	8.771.812,0049	318°24'27.79"
17+0,000		701.929,9991	8.771.817,4489	318°24'27.79"
17+5,801	TC	701.926,1480	8.771.821,7877	318°24'27.79"
18+0,000		701.917,2218	8.771.832,8232	323°39'22.48"
19+0,000		701.906,4400	8.771.849,6517	331°2'57.30"
20+0,000		701.897,9132	8.771.867,7276	338°26'32.11"
21+0,000		701.891,7832	8.771.886,7504	345°50'6.93"
22+0,000		701.888,1519	8.771.906,4039	353°13'41.74"
23+0,000		701.887,0797	8.771.926,3612	0°37'16.55"
24+0,000		701.888,5844	8.771.946,2907	8°0'51.37"
25+0,000		701.892,6410	8.771.965,8608	15°24'26.18"
26+0,000		701.899,1821	8.771.984,7462	22°48'0.99"
27+0,000		701.908,0988	8.772.002,6330	30°11'35.81"
27+12,915	PT	701.915,0516	8.772.013,5129	34°58'2.96"
28+0,000		701.919,1118	8.772.019,3185	34°58'2.96"
29+0,000		701.930,5740	8.772.035,7080	34°58'2.96"
29+10,068	PI	701.936,3439	8.772.043,9583	34°58'2.96"
30+0,000		701.942,1685	8.772.052,0035	35°54'13.54"
30+10,634	PI	701.948,4046	8.772.060,6171	35°54'13.54"
31+0,000		701.953,8831	8.772.068,2136	35°47'56.15"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
32+0,000		701.965,5820	8.772.084,4351	35°47'56.15"
32+7,240	PI	701.969,8171	8.772.090,3074	35°47'56.15"
33+0,000		701.977,0887	8.772.100,7925	34°44'31.13"
34+0,000		701.988,4863	8.772.117,2270	34°44'31.13"
35+0,000		701.999,8839	8.772.133,6616	34°44'31.13"
35+6,536	PI	702.003,6088	8.772.139,0325	34°44'31.13"
36+0,000		702.010,6612	8.772.150,5015	31°35'16.14"
37+0,000		702.021,1373	8.772.167,5383	31°35'16.14"
37+13,988	PI	702.028,4645	8.772.179,4542	31°35'16.14"
38+0,000		702.031,6106	8.772.184,5767	31°33'24.65"
39+0,000		702.042,0775	8.772.201,6192	31°33'24.65"
40+0,000		702.052,5444	8.772.218,6616	31°33'24.65"
41+0,000		702.063,0113	8.772.235,7040	31°33'24.65"
42+0,000		702.073,4782	8.772.252,7465	31°33'24.65"
43+0,000		702.083,9450	8.772.269,7889	31°33'24.65"
44+0,000		702.094,4119	8.772.286,8313	31°33'24.65"
44+6,291	PI	702.097,7041	8.772.292,1918	31°33'24.65"
45+0,000		702.104,8363	8.772.303,8997	31°20'54.55"
46+0,000		702.115,2411	8.772.320,9801	31°20'54.55"
46+0,854	PI	702.115,6853	8.772.321,7093	31°20'54.55"
47+0,000		702.126,8214	8.772.337,2838	35°33'56.25"
47+5,301	TC	702.129,9045	8.772.341,5956	35°33'56.25"
47+13,932	PT	702.137,1708	8.772.345,7415	85°1'9.61"
48+0,000		702.143,2159	8.772.346,2683	85°1'9.61"
49+0,000		702.163,1404	8.772.348,0047	85°1'9.61"
50+0,000		702.183,0649	8.772.349,7411	85°1'9.61"
51+0,000		702.202,9893	8.772.351,4775	85°1'9.61"
52+0,000		702.222,9138	8.772.353,2139	85°1'9.61"
53+0,000		702.242,8383	8.772.354,9502	85°1'9.61"
54+0,000		702.262,7628	8.772.356,6866	85°1'9.61"
55+0,000		702.282,6873	8.772.358,4230	85°1'9.61"
55+0,092	TC	702.282,7794	8.772.358,4311	85°1'9.61"
56+0,000		702.302,5730	8.772.360,5460	82°46'58.18"
57+0,000		702.322,3602	8.772.363,4470	80°32'9.36"
58+0,000		702.342,0184	8.772.367,1215	78°17'20.55"
59+0,000		702.361,5175	8.772.371,5639	76°2'31.73"
60+0,000		702.380,8274	8.772.376,7673	73°47'42.92"
61+0,000		702.399,9185	8.772.382,7238	71°32'54.10"
62+0,000		702.418,7613	8.772.389,4242	69°18'5.28"
62+9,873	PT	702.427,9631	8.772.393,0032	68°11'32.05"
63+0,000		702.437,3650	8.772.396,7652	68°11'32.05"
64+0,000		702.455,9337	8.772.404,1950	68°11'32.05"
65+0,000		702.474,5024	8.772.411,6249	68°11'32.05"
66+0,000		702.493,0711	8.772.419,0548	68°11'32.05"
67+0,000		702.511,6398	8.772.426,4846	68°11'32.05"
68+0,000		702.530,2085	8.772.433,9145	68°11'32.05"
69+0,000		702.548,7772	8.772.441,3444	68°11'32.05"
70+0,000		702.567,3459	8.772.448,7743	68°11'32.05"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
71+0,000		702.585,9147	8.772.456,2041	68°11'32.05"
72+0,000		702.604,4834	8.772.463,6340	68°11'32.05"
73+0,000		702.623,0521	8.772.471,0639	68°11'32.05"
74+0,000		702.641,6208	8.772.478,4938	68°11'32.05"
75+0,000		702.660,1895	8.772.485,9236	68°11'32.05"
76+0,000		702.678,7582	8.772.493,3535	68°11'32.05"
77+0,000		702.697,3269	8.772.500,7834	68°11'32.05"
78+0,000		702.715,8956	8.772.508,2133	68°11'32.05"
79+0,000		702.734,4643	8.772.515,6431	68°11'32.05"
80+0,000		702.753,0330	8.772.523,0730	68°11'32.05"
81+0,000		702.771,6017	8.772.530,5029	68°11'32.05"
82+0,000		702.790,1705	8.772.537,9327	68°11'32.05"
83+0,000		702.808,7392	8.772.545,3626	68°11'32.05"
83+11,212	PI	702.819,1489	8.772.549,5278	68°11'32.05"
84+0,000		702.827,0354	8.772.553,4047	63°49'20.63"
84+9,082	PI	702.835,1858	8.772.557,4112	63°49'20.63"
85+0,000		702.845,3218	8.772.561,4690	68°10'56.20"
86+0,000		702.863,8893	8.772.568,9021	68°10'56.20"
87+0,000		702.882,4567	8.772.576,3352	68°10'56.20"
87+14,885	TC	702.896,2751	8.772.581,8671	68°10'56.20"
88+0,000		702.901,0071	8.772.583,8101	67°10'17.86"
89+0,000		702.919,1584	8.772.592,1987	63°13'12.70"
90+0,000		702.936,6886	8.772.601,8183	59°16'7.54"
91+0,000		702.953,5141	8.772.612,6230	55°19'2.38"
92+0,000		702.969,5551	8.772.624,5615	51°21'57.23"
93+0,000		702.984,7353	8.772.637,5770	47°24'52.07"
94+0,000		702.998,9825	8.772.651,6076	43°27'46.91"
95+0,000		703.012,2290	8.772.666,5867	39°30'41.75"
96+0,000		703.024,4117	8.772.682,4430	35°33'36.59"
96+9,554	PT	703.029,8390	8.772.690,3055	33°40'21.13"
97+0,000		703.035,6306	8.772.698,9987	33°40'21.13"
98+0,000		703.046,7196	8.772.715,6431	33°40'21.13"
99+0,000		703.057,8085	8.772.732,2875	33°40'21.13"
100+0,000		703.068,8974	8.772.748,9319	33°40'21.13"
101+0,000		703.079,9863	8.772.765,5763	33°40'21.13"
102+0,000		703.091,0752	8.772.782,2207	33°40'21.13"
103+0,000		703.102,1641	8.772.798,8651	33°40'21.13"
104+0,000		703.113,2530	8.772.815,5095	33°40'21.13"
105+0,000		703.124,3419	8.772.832,1539	33°40'21.13"
106+0,000		703.135,4309	8.772.848,7983	33°40'21.13"
106+15,649	TC	703.144,1074	8.772.861,8218	33°40'21.13"
107+0,000		703.146,5383	8.772.865,4303	34°15'37.71"
108+0,000		703.158,1830	8.772.881,6884	36°57'47.19"
109+0,000		703.170,5814	8.772.897,3793	39°39'56.66"
110+0,000		703.183,7059	8.772.912,4682	42°22'6.13"
111+0,000		703.197,5272	8.772.926,9215	45°4'15.60"
112+0,000		703.212,0147	8.772.940,7069	47°46'25.07"
113+0,000		703.227,1360	8.772.953,7940	50°28'34.55"

ADEQUAÇÃO DOS PROJETOS DE INFRAESTRUTURA DO BAIRRO MOSQUEIRO				
ESTACA	PONTO	LESTE	NORTE	AZIMUTE
114+0,000		703.242,8577	8.772.966,1534	53°10'44.02"
115+0,000		703.259,1446	8.772.977,7578	55°52'53.49"
116+0,000		703.275,9606	8.772.988,5813	58°35'2.96"
116+8,662	PT	703.283,3984	8.772.993,0206	59°45'16.82"
117+0,000		703.293,1930	8.772.998,7315	59°45'16.82"
118+0,000		703.310,4705	8.773.008,8056	59°45'16.82"
119+0,000		703.327,7481	8.773.018,8797	59°45'16.82"
120+0,000		703.345,0256	8.773.028,9538	59°45'16.82"
120+11,282	TC	703.354,7718	8.773.034,6365	59°45'16.82"
121+0,000		703.362,2437	8.773.039,1277	58°13'37.65"
122+0,000		703.378,9140	8.773.050,1720	54°43'22.07"
123+0,000		703.394,8781	8.773.062,2146	51°13'6.48"
124+0,000		703.410,0762	8.773.075,2105	47°42'50.90"
125+0,000		703.424,4515	8.773.089,1110	44°12'35.32"
126+0,000		703.437,9503	8.773.103,8643	40°42'19.73"
126+12,546	PT	703.445,9477	8.773.113,5293	38°30'26.24"
127+0,000		703.450,5890	8.773.119,3626	38°30'26.24"
128+0,000		703.463,0412	8.773.135,0132	38°30'26.24"
129+0,000		703.475,4935	8.773.150,6638	38°30'26.24"
130+0,000		703.487,9458	8.773.166,3143	38°30'26.24"
130+18,414	PI	703.499,4107	8.773.180,7240	38°30'26.24"
131+0,000		703.500,4003	8.773.181,9632	38°36'29.44"
132+0,000		703.512,8801	8.773.197,5918	38°36'29.44"
133+0,000		703.525,3599	8.773.213,2204	38°36'29.44"
134+0,000		703.537,8397	8.773.228,8491	38°36'29.44"
134+4,081	PI	703.540,3861	8.773.232,0379	38°36'29.44"
135+0,000		703.550,2976	8.773.244,4952	38°30'26.14"
136+0,000		703.562,7499	8.773.260,1458	38°30'26.14"
137+0,000		703.575,2022	8.773.275,7963	38°30'26.14"
137+11,722	PI	703.582,5008	8.773.284,9695	38°30'26.14"
138+0,000		703.587,6812	8.773.291,4256	38°44'38.62"
139+0,000		703.600,1980	8.773.307,0246	38°44'38.62"
140+0,000		703.612,7149	8.773.322,6236	38°44'38.62"
141+0,000		703.625,2318	8.773.338,2225	38°44'38.62"
142+0,000		703.637,7486	8.773.353,8215	38°44'38.62"
143+0,000		703.650,2655	8.773.369,4205	38°44'38.62"
144+0,000		703.662,7823	8.773.385,0195	38°44'38.62"
144+3,302	PF	703.664,8489	8.773.387,5949	38°44'38.62"
EIXO DA RODOVIA AIRTON SENNA				
0+0,000	PP	702.651,9630	8.772.193,7140	30°14'23.16"
1+0,000		702.662,0354	8.772.210,9925	30°14'23.16"
2+0,000		702.672,1078	8.772.228,2710	30°14'23.16"
3+0,000		702.682,1802	8.772.245,5495	30°14'23.16"
4+0,000		702.692,2526	8.772.262,8280	30°14'23.16"
5+0,000		702.702,3250	8.772.280,1065	30°14'23.16"
5+14,295	PF	702.709,5240	8.772.292,4560	30°14'23.16"

ELEMENTOS HORIZONTAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
RUA JOSÉ ALMERINDO DOS SANTOS															
0+0,000	PP	702.754,562	8.772.812,758	0,990	28°36'49.52"										
0+0,990	TC	702.755,036	8.772.813,627			702.667,249	8.772.861,517	100,000	7°53'57.78"	Esquerda	13,787	6,904	0,238	13,776	24°39'50.63"
0+14,777	PT	702.760,784	8.772.826,146	28,216	20°42'51.74"										
2+2,993	TC	702.770,765	8.772.852,538			702.789,472	8.772.845,464	20,000	18°14'48.60"	Direita	6,369	3,212	0,256	6,342	29°50'16.04"
2+9,363	PT	702.773,920	8.772.858,040	31,225	38°57'40.33"										
4+0,588	PI	702.793,555	8.772.882,320	35,796	36°49'13.05"										
5+16,384	PI	702.815,008	8.772.910,975	58,054	34°53'3.57"										
8+14,438	TC	702.848,210	8.772.958,597			702.872,819	8.772.941,440	30,000	11°4'27.57"	Direita	5,799	2,908	0,141	5,789	40°25'17.35"
9+0,236	PT	702.851,964	8.772.963,005	3,837	45°57'31.14"										
9+4,073	TC	702.854,721	8.772.965,672			702.833,866	8.772.987,237	30,000	8°52'13.64"	Esquerda	4,645	2,327	0,090	4,640	41°31'24.32"
9+8,717	PT	702.857,797	8.772.969,146	8,969	37°5'17.50"										
9+17,686	TC	702.863,206	8.772.976,300			702.783,435	8.773.036,605	100,000	9°8'20.37"	Esquerda	15,951	7,992	0,319	15,934	32°31'7.31"
10+13,637	PT	702.871,772	8.772.989,736	16,256	27°56'57.13"										
11+9,893	TC	702.879,391	8.773.004,096			702.967,727	8.772.957,227	100,000	4°38'5.07"	Direita	8,089	4,047	0,082	8,087	30°15'59.66"
11+17,982	PT	702.883,467	8.773.011,080	9,240	32°35'2.20"										
12+7,222	TC	702.888,443	8.773.018,866			702.821,034	8.773.061,949	80,000	8°43'47.62"	Esquerda	12,189	6,106	0,233	12,177	28°13'8.39"
12+19,411	PT	702.894,201	8.773.029,596	4,537	23°51'14.58"										
13+3,948	TC	702.896,036	8.773.033,746			702.969,202	8.773.001,393	80,000	7°58'35.19"	Direita	11,137	5,578	0,194	11,128	27°50'32.17"
13+15,086	PT	702.901,233	8.773.043,586	19,950	31°49'49.77"										
14+15,036	TC	702.911,755	8.773.060,536			702.826,794	8.773.113,277	100,000	2°43'11.97"	Esquerda	4,747	2,374	0,028	4,747	30°28'13.78"
14+19,783	PT	702.914,162	8.773.064,627	15,615	29°6'37.80"										
15+15,399	TC	702.921,759	8.773.078,270			703.096,495	8.772.980,971	200,000	5°23'0.66"	Direita	18,792	9,403	0,221	18,785	31°48'8.13"
16+14,191	PT	702.931,658	8.773.094,235	40,097	34°29'38.45"										
18+14,288	PI	702.954,366	8.773.127,283	59,269	34°45'58.87"										
21+13,557	TC	702.988,163	8.773.175,971			702.823,867	8.773.290,018	200,000	5°38'17.56"	Esquerda	19,681	9,848	0,242	19,673	31°56'50.09"
22+13,238	PT	702.998,573	8.773.192,665	88,510	29°7'41.31"										
27+1,748	TC	703.041,657	8.773.269,981			703.172,687	8.773.196,966	150,000	6°2'40.59"	Direita	15,825	7,920	0,209	15,817	32°9'1.61"
27+17,573	PT	703.050,074	8.773.283,373	108,803	35°10'21.90"										
33+6,376	PF	703.112,749	8.773.372,310												
RUA 21															
0+0,000	PP	702.754,926	8.773.323,432	39,218	87°58'2.17"										
1+19,218	PI	702.794,119	8.773.324,823	73,937	88°37'52.83"										
5+13,155	PI	702.868,035	8.773.326,589	45,154	90°1'24.56"										

**ELEMENTOS HORIZONTAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
7+18,310	PI	702.913,189	8.773.326,571	15,162	92°13'26.42"										
8+13,472	TC	702.928,340	8.773.325,982			702.926,400	8.773.276,020	50,000	5°20'27.68"	Direita	4,661	2,332	0,054	4,659	94°53'40.26"
8+18,132	PT	702.932,982	8.773.325,585	14,029	97°33'54.10"										
9+12,162	TC	702.946,889	8.773.323,738			702.960,055	8.773.422,867	100,000	6°34'40.37"	Esquerda	11,481	5,747	0,165	11,474	94°16'33.92"
10+3,642	PT	702.958,332	8.773.322,882	44,492	90°59'13.73"										
12+8,134	PI	703.002,817	8.773.322,116	14,823	89°31'49.47"										
13+2,957	TC	703.017,639	8.773.322,237			703.018,295	8.773.242,240	80,000	12°3'38.20"	Direita	16,840	8,451	0,445	16,809	95°33'38.57"
13+19,797	PT	703.034,369	8.773.320,608	37,411	101°35'27.67"										
15+17,208	PF	703.071,017	8.773.313,092												
RUA 30															
0+0,000	PP	703.002,874	8.773.322,116	25,784	21°14'22.98"										
1+5,784	TC	703.012,215	8.773.346,149			703.086,781	8.773.317,167	80,000	4°53'2.04"	Direita	6,819	3,412	0,073	6,817	23°40'54.00"
1+12,603	PT	703.014,953	8.773.352,392	7,772	26°7'25.03"										
2+0,375	PF	703.018,375	8.773.359,370												
RUA PRIMAVERA MANOEL RODRIGUES															
0+0,000	PP	702.684,596	8.772.990,038	28,920	27°49'27.10"										
1+8,920	TC	702.698,094	8.773.015,614			702.700,747	8.773.014,214	3,000	82°10'56.48"	Direita	4,303	2,616	0,981	3,944	68°54'55.33"
1+13,223	PT	702.701,774	8.773.017,033	40,746	110°0'23.57"										
3+13,968	TC	702.740,060	8.773.003,092			702.699,005	8.772.890,334	120,000	2°43'58.65"	Direita	5,724	2,862	0,034	5,723	111°22'22.90"
3+19,692	PT	702.745,390	8.773.001,007	29,933	112°44'22.22"										
5+9,625	TC	702.772,996	8.772.989,436			702.819,381	8.773.100,109	120,000	4°54'33.62"	Esquerda	10,282	5,144	0,110	10,279	110°17'5.41"
5+19,907	PT	702.782,638	8.772.985,873	58,322	107°49'48.60"										
8+18,230	TC	702.838,159	8.772.968,015			702.853,469	8.773.015,613	50,000	5°39'8.62"	Esquerda	4,933	2,468	0,061	4,931	105°0'14.29"
9+3,162	PT	702.842,921	8.772.966,738	10,792	102°10'39.99"										
9+13,954	PF	702.853,470	8.772.964,462												
RUA 24															
0+0,000	PP	702.899,742	8.773.041,084	5,676	94°43'57.49"										
0+5,676	PI	702.905,399	8.773.040,615	35,465	94°16'1.16"										
2+1,141	TC	702.940,766	8.773.037,977			702.934,813	8.772.958,198	80,000	6°29'46.65"	Direita	9,071	4,540	0,129	9,066	97°30'54.49"
2+10,212	PT	702.949,754	8.773.036,791	3,014	100°45'47.82"										
2+13,226	PF	702.952,715	8.773.036,228												
RUA 10															
0+0,000	PP	702.727,819	8.772.922,887	41,782	105°54'14.44"										
2+1,782	TC	702.768,001	8.772.911,437			702.767,453	8.772.909,514	2,000	96°4'44.52"	Direita	3,354	2,224	0,991	2,974	153°56'36.69"

**ELEMENTOS HORIZONTAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
2+5,135	PT	702.769,308	8.772.908,765	19,519	201°58'58.95"										
3+4,655	TC	702.762,001	8.772.890,665			702.763,856	8.772.889,916	2,000	95°52'20.44"	Esquerda	3,347	2,216	0,985	2,970	154°2'48.73"
3+8,001	PT	702.763,301	8.772.887,995	5,745	106°6'38.51"										
3+13,746	PI	702.768,820	8.772.886,401	23,664	106°3'55.96"										
4+17,410	PF	702.791,559	8.772.879,852												
RUA C - PARTE 1															
0+0,000	PP	702.241,731	8.772.976,088	14,148	84°35'13.56"										
0+14,148	TC	702.255,816	8.772.977,423			702.256,288	8.772.972,445	5,000	21°32'59.14"	true	1,881	0,952	0,090	1,870	95°21'43.13"
0+16,029	PT	702.257,677	8.772.977,248	23,406	106°8'12.70"										
1+19,435	PF	702.280,161	8.772.970,743												
RUA C E RUA PAULO EMÍDIO															
0+0,000	PP	702.280,161	8.772.970,743	55,555	106°4'52.74"										
2+15,555	PI	702.333,542	8.772.955,354	117,730	105°41'53.93"										
8+13,285	TC	702.446,881	8.772.923,499			702.487,467	8.773.067,904	150,000	9°14'38.75"	Esquerda	24,201	12,127	0,489	24,175	101°4'34.56"
9+17,486	PT	702.470,605	8.772.918,855	19,895	96°27'15.18"										
10+17,381	TC	702.490,375	8.772.916,618			702.479,134	8.772.817,252	100,000	17°51'21.00"	Direita	31,164	15,710	1,226	31,038	105°22'55.68"
12+8,546	PT	702.520,301	8.772.908,385	37,633	114°18'36.18"										
14+6,179	TC	702.554,597	8.772.892,893			702.636,932	8.773.075,159	200,000	6°51'6.82"	Esquerda	23,918	11,973	0,358	23,903	110°53'2.77"
15+10,096	PT	702.576,930	8.772.884,372	40,661	107°27'29.36"										
17+10,757	TC	702.615,718	8.772.872,173			702.591,717	8.772.795,858	80,000	18°38'39.27"	Direita	26,032	13,132	1,071	25,918	116°46'48.99"
18+16,789	PT	702.638,855	8.772.860,496	14,214	126°6'8.63"										
19+11,004	PI	702.650,340	8.772.852,120	41,590	124°6'6.86"										
21+12,593	TC	702.684,778	8.772.828,802			702.695,992	8.772.845,363	20,000	18°38'14.34"	Esquerda	6,506	3,282	0,267	6,477	114°46'59.69"
21+19,099	PT	702.690,659	8.772.826,087	9,652	105°27'52.52"										
22+8,751	TC	702.699,961	8.772.823,513			702.713,293	8.772.871,703	50,000	5°3'59.34"	Esquerda	4,421	2,212	0,049	4,420	102°55'52.85"
22+13,172	PT	702.704,269	8.772.822,524	38,642	100°23'53.18"										
24+11,814	TC	702.742,276	8.772.815,550			702.715,203	8.772.668,013	150,000	9°37'41.13"	Direita	25,206	12,633	0,531	25,177	105°12'43.75"
25+17,020	PT	702.766,570	8.772.808,944	8,494	110°1'34.31"										
26+5,514	TC	702.774,551	8.772.806,035			702.723,183	8.772.665,105	150,000	3°49'0.72"	Direita	9,993	4,998	0,083	9,991	111°56'4.67"
26+15,507	PT	702.783,818	8.772.802,303	52,667	113°50'35.03"										
29+8,174	TC	702.831,990	8.772.781,013			702.852,202	8.772.826,746	50,000	11°19'3.05"	Esquerda	9,876	4,954	0,245	9,860	108°11'3.51"
29+18,050	PT	702.841,358	8.772.777,936	70,358	102°31'31.98"										
33+8,408	TC	702.910,042	8.772.762,677			702.953,417	8.772.957,917	200,000	5°45'7.20"	Esquerda	20,078	10,048	0,252	20,070	99°38'58.38"
34+8,486	PT	702.929,828	8.772.759,313	27,789	96°46'24.78"										

**ELEMENTOS HORIZONTAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
35+16,276	PI	702.957,423	8.772.756,035	33,518	94°43'17.88"										
37+9,794	PI	702.990,827	8.772.753,276	50,534	96°38'48.78"										
40+0,328	TC	703.041,022	8.772.747,427			703.035,234	8.772.697,763	50,000	4°33'32.13"	Direita	3,978	1,990	0,040	3,977	98°55'34.85"
40+4,306	PT	703.044,951	8.772.746,810	14,104	101°12'20.92"										
40+18,410	PF	703.058,786	8.772.744,069												
RUA SIEGFRED VIEIRA LOESER															
0+0,000	PP	702.296,746	8.772.965,962	1,220	19°1'42.34"										
0+1,220	TC	702.297,143	8.772.967,115			702.486,215	8.772.901,907	200,000	4°38'25.96"	Direita	16,199	8,104	0,164	16,194	21°20'55.32"
0+17,418	PT	702.303,039	8.772.982,198	30,861	23°40'8.30"										
2+8,279	PI	702.315,428	8.773.010,462	26,315	26°1'47.19"										
3+14,594	TC	702.326,976	8.773.034,108			702.506,689	8.772.946,340	200,000	3°35'38.00"	Direita	12,545	6,275	0,098	12,543	27°49'36.18"
4+7,139	PT	702.332,831	8.773.045,200	23,060	29°37'25.18"										
5+10,199	PI	702.344,230	8.773.065,247	88,206	30°18'24.21"										
9+18,405	PF	702.388,741	8.773.141,398												
TRAVESSA A															
0+0,000	PP	702.499,184	8.772.915,222	28,115	39°41'36.54"										
1+8,115	TC	702.517,140	8.772.936,855			702.378,635	8.773.051,818	180,000	2°6'20.69"	Esquerda	6,615	3,308	0,030	6,615	38°38'26.20"
1+14,730	PT	702.521,271	8.772.942,022	26,324	37°35'15.85"										
3+1,055	TC	702.537,328	8.772.962,882			702.394,692	8.773.072,678	180,000	2°49'57.43"	Esquerda	8,899	4,450	0,055	8,898	36°10'17.14"
3+9,954	PT	702.542,580	8.772.970,065	35,987	34°45'18.42"										
5+5,941	TC	702.563,095	8.772.999,632			702.564,738	8.772.998,492	2,000	90°0'0.00"	Direita	3,142	2,000	0,828	2,828	79°45'18.42"
5+9,083	PT	702.565,878	8.773.000,135	13,038	124°45'18.42"										
6+2,120	PF	702.576,590	8.772.992,703												
RUA ERUNDINO SIMÃO DOS REIS															
0+0,000	PP	702.606,894	8.772.874,948	63,322	17°26'27.59"										
3+3,322	PF	702.625,873	8.772.935,359												
RUA CARLOS ALBERTO ZUZART															
0+0,000	PP	702.917,993	8.772.761,061	57,041	28°19'58.34"										
2+17,041	TC	702.945,065	8.772.811,269			703.121,106	8.772.716,350	200,000	3°36'58.32"	Direita	12,623	6,314	0,100	12,621	30°8'27.50"
3+9,664	PT	702.951,402	8.772.822,183	29,586	31°56'56.66"										
4+19,251	PI	702.967,058	8.772.847,288	29,572	28°59'26.47"										
6+8,823	TC	702.981,391	8.772.873,155			703.112,596	8.772.800,455	150,000	4°5'8.84"	Direita	10,697	5,351	0,095	10,694	31°2'0.89"
6+19,519	PT	702.986,904	8.772.882,319	20,038	33°4'35.31"										
7+19,558	PI	702.997,840	8.772.899,110	39,960	30°43'7.44"										

**ELEMENTOS HORIZONTAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
9+19,518	PI	703.018,253	8.772.933,463	11,748	31°3'41.10"										
10+11,265	TC	703.024,314	8.772.943,526			703.021,744	8.772.945,074	3,000	116°12'6.19"	Esquerda	6,084	4,820	2,677	5,094	332°57'38.00"
10+17,350	PT	703.021,998	8.772.948,063	33,414	274°51'34.90"										
12+10,764	TC	702.988,704	8.772.950,894			702.988,874	8.772.952,886	2,000	115°22'49.65"	Direita	4,028	3,162	1,742	3,381	332°32'59.73"
12+14,791	PT	702.987,146	8.772.953,894	50,952	30°14'24.55"										
15+5,744	PI	703.012,807	8.772.997,913	60,691	31°6'42.76"										
18+6,435	TC	703.044,166	8.773.049,874			703.045,879	8.773.048,840	2,000	89°29'42.55"	Direita	3,124	1,982	0,816	2,816	75°51'34.04"
18+9,559	PT	703.046,897	8.773.050,562	23,668	120°36'25.31"										
19+13,227	TC	703.067,268	8.773.038,511			702.965,438	8.772.866,375	200,000	3°18'30.40"	Direita	11,549	5,776	0,083	11,547	122°15'40.51"
20+4,775	PT	703.077,032	8.773.032,348	25,368	123°54'55.71"										
21+10,143	PI	703.098,084	8.773.018,193	23,236	124°49'37.98"										
22+13,379	TC	703.117,157	8.773.004,923			703.071,469	8.772.939,253	80,000	6°50'5.42"	Direita	9,543	4,777	0,143	9,538	128°14'40.69"
23+2,922	PT	703.124,648	8.772.999,019	24,976	131°39'43.40"										
24+7,897	PI	703.143,307	8.772.982,417	15,408	130°1'28.44"										
25+3,305	TC	703.155,106	8.772.972,508			703.187,261	8.773.010,796	50,000	9°12'12.58"	Esquerda	8,032	4,024	0,162	8,023	125°25'22.15"
25+11,337	PT	703.161,643	8.772.967,858	35,843	120°49'15.86"										
27+7,180	PI	703.192,425	8.772.949,493	13,352	120°28'41.45"										
28+0,533	PF	703.203,932	8.772.942,721												
TRAVESSA CARLOS ALBERTO ZUZART 1															
0+0,000	PP	703.018,253	8.772.933,463	56,357	123°27'21.88"										
2+16,357	PI	703.065,272	8.772.902,393	24,562	120°1'31.72"										
4+0,919	PI	703.086,538	8.772.890,103	12,501	121°38'38.24"										
4+13,420	PF	703.097,180	8.772.883,544												
RUA 29															
0+0,000	PP	702.945,098	8.772.993,068	4,273	101°40'59.20"										
0+4,273	TC	702.949,282	8.772.992,203			702.955,357	8.773.021,581	30,000	6°42'46.84"	Esquerda	3,515	1,759	0,052	3,513	98°19'35.79"
0+7,787	PT	702.952,758	8.772.991,694	12,069	94°58'12.37"										
0+19,857	PI	702.964,782	8.772.990,649	12,275	96°43'21.12"										
1+12,132	TC	702.976,972	8.772.989,212			702.982,826	8.773.038,868	50,000	5°9'27.39"	Esquerda	4,501	2,252	0,051	4,499	94°8'37.42"
1+16,633	PT	702.981,460	8.772.988,886	3,622	91°33'53.72"										
2+0,255	TC	702.985,081	8.772.988,788			702.984,944	8.772.983,789	5,000	25°6'30.06"	Direita	2,191	1,113	0,122	2,174	104°7'8.75"
2+2,446	PT	702.987,189	8.772.988,257	17,303	116°40'23.78"										
2+19,749	PF	703.002,650	8.772.980,490												
RUA RECANTO MARGARIDA															

ELEMENTOS HORIZONTAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
0+0,000	PP	702.194,537	8.772.411,472	19,524	39°51'6.75"										
0+19,524	TC	702.207,048	8.772.426,460			702.268,465	8.772.375,196	80,000	4°13'16.73"	Direita	5,894	2,948	0,054	5,893	41°57'45.11"
1+5,418	PT	702.210,988	8.772.430,842	25,246	44°4'23.48"										
2+10,664	TC	702.228,549	8.772.448,980			702.120,781	8.772.553,316	150,000	5°46'56.88"	Esquerda	15,138	7,576	0,191	15,132	41°10'55.04"
3+5,802	PT	702.238,512	8.772.460,368	60,849	38°17'26.60"										
6+6,651	TC	702.276,217	8.772.508,127			702.244,822	8.772.532,913	40,000	20°4'12.33"	Esquerda	14,012	7,078	0,621	13,940	28°15'20.44"
7+0,662	PT	702.282,817	8.772.520,406	64,523	18°13'14.27"										
10+5,185	TC	702.302,992	8.772.581,694			702.113,020	8.772.644,230	200,000	4°10'31.83"	Esquerda	14,575	7,291	0,133	14,572	16°7'58.36"
10+19,761	PT	702.307,041	8.772.595,692	42,689	14°2'42.45"										
13+2,450	TC	702.317,401	8.772.637,106			702.395,009	8.772.617,691	80,000	11°13'26.91"	Direita	15,672	7,861	0,385	15,647	19°39'25.90"
13+18,122	PT	702.322,664	8.772.651,841	46,015	25°16'9.36"										
16+4,137	PI	702.342,307	8.772.693,452	72,999	25°41'30.55"										
19+17,135	TC	702.373,954	8.772.759,234			702.446,045	8.772.724,552	80,000	7°28'16.12"	Direita	10,432	5,223	0,170	10,424	29°25'38.61"
20+7,567	PT	702.379,076	8.772.768,314	41,315	33°9'46.67"										
22+8,883	TC	702.401,676	8.772.802,899			702.359,820	8.772.830,251	50,000	15°32'45.42"	Esquerda	13,566	6,825	0,464	13,525	25°23'23.96"
23+2,449	PT	702.407,475	8.772.815,118	104,779	17°37'1.25"										
28+7,228	PI	702.439,187	8.772.914,983	10,284	14°15'39.72"										
28+17,512	PF	702.441,720	8.772.924,950												
TRAVESSA B															
0+0,000	PP	702.278,851	8.772.871,109	17,488	104°3'4.52"										
0+17,488	PI	702.295,816	8.772.866,864	61,105	104°44'44.63"										
3+18,593	PI	702.354,908	8.772.851,311	34,937	106°37'12.44"										
5+13,530	TC	702.388,386	8.772.841,318			702.431,290	8.772.985,051	150,000	4°35'54.76"	Esquerda	12,039	6,023	0,121	12,036	104°19'15.06"
6+5,569	PT	702.400,048	8.772.838,341	14,175	102°1'17.68"										
6+19,744	PF	702.413,912	8.772.835,388												
RUA ZILDA RODRIGUES SANTOS															
0+0,000	PP	702.508,169	8.772.427,955	65,436	299°35'38.25"										
3+5,436	TC	702.451,269	8.772.460,270			702.455,714	8.772.468,096	9,000	88°33'53.22"	Direita	13,912	8,777	3,571	12,568	343°52'34.86"
3+19,348	PT	702.447,779	8.772.472,344	45,784	28°9'31.47"										
6+5,132	TC	702.469,385	8.772.512,709			702.291,047	8.772.603,237	200,000	5°33'38.85"	Esquerda	19,411	9,713	0,236	19,403	24°7'58.34"
7+4,543	PT	702.477,318	8.772.530,416	16,979	21°21'8.91"										
8+1,522	PI	702.483,500	8.772.546,230	23,664	19°0'56.37"										
9+5,186	TC	702.491,211	8.772.568,603			702.603,791	8.772.527,060	120,000	18°55'7.47"	Direita	39,623	19,994	1,654	39,444	29°42'49.36"
11+4,809	PT	702.510,762	8.772.602,860	28,218	39°10'23.10"										

**ELEMENTOS HORIZONTAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
12+13,028	TC	702.528,586	8.772.624,736			702.451,062	8.772.687,903	100,000	6°24'36.01"	Esquerda	11,188	5,600	0,157	11,182	35°58'5.09"
13+4,215	PT	702.535,154	8.772.633,786	94,139	32°16'34.34"										
17+18,355	PI	702.585,424	8.772.713,379	74,071	33°4'39.90"										
21+12,426	TC	702.625,850	8.772.775,446			702.600,396	8.772.791,323	30,000	18°9'14.46"	Esquerda	9,505	4,793	0,380	9,466	22°52'39.64"
22+1,931	PT	702.629,530	8.772.784,167	16,827	13°31'11.37"										
22+18,758	TC	702.633,464	8.772.800,527			702.827,922	8.772.753,771	200,000	9°0'4.75"	Direita	31,421	15,743	0,619	31,388	18°1'13.74"
24+10,179	PT	702.643,174	8.772.830,376	5,743	22°31'16.12"										
24+15,922	PI	702.645,374	8.772.835,681	17,173	16°48'31.79"										
25+13,095	PF	702.650,340	8.772.852,120												
RUA D E RUA A															
0+0,000	PP	702.472,287	8.772.518,668	28,650	118°59'15.53"										
1+8,650	TC	702.497,348	8.772.504,783			702.555,503	8.772.609,750	120,000	3°1'31.21"	Esquerda	6,336	3,169	0,042	6,336	117°28'29.92"
1+14,986	PT	702.502,969	8.772.501,861	15,956	115°57'44.32"										
2+10,942	TC	702.517,314	8.772.494,875			702.519,503	8.772.499,371	5,000	71°33'21.22"	Esquerda	6,244	3,603	1,163	5,846	80°11'3.71"
2+17,187	PT	702.523,075	8.772.495,872	6,871	44°24'23.10"										
3+4,057	PI	702.527,883	8.772.500,780	39,505	44°24'23.10"										
5+3,562	TC	702.555,526	8.772.529,003			702.448,367	8.772.633,964	150,000	5°0'18.76"	Esquerda	13,104	6,556	0,143	13,099	41°54'13.72"
5+16,666	PT	702.564,275	8.772.538,752	19,561	39°24'4.34"										
6+16,227	PF	702.576,691	8.772.553,867												
TRAVESSA 419															
0+0,000	PP	703.581,882	8.773.125,549	9,754	19°55'39.03"										
0+9,754	TC	703.585,206	8.773.134,719			703.491,194	8.773.168,802	100,000	2°9'42.39"	Esquerda	3,773	1,887	0,018	3,773	18°50'47.83"
0+13,527	PT	703.586,425	8.773.138,290	6,599	17°45'56.64"										
1+0,126	PI	703.588,439	8.773.144,574	27,257	17°8'14.73"										
2+7,383	PF	703.596,470	8.773.170,621												
RUA QUATROCENTOS E DEZENOVE															
0+0,000	PP	703.575,906	8.773.128,054	9,740	112°44'21.24"										
0+9,740	PI	703.584,889	8.773.124,289	31,936	112°31'17.41"										
2+1,676	TC	703.614,390	8.773.112,056			703.633,541	8.773.158,243	50,000	10°48'5.78"	Esquerda	9,426	4,727	0,223	9,412	107°7'14.52"
2+11,103	PT	703.623,385	8.773.109,286	45,225	101°43'11.63"										
4+16,328	TC	703.667,667	8.773.100,099			703.643,292	8.772.982,601	120,000	2°1'28.01"	Direita	4,240	2,120	0,019	4,240	102°43'55.64"
5+0,568	PT	703.671,803	8.773.099,165	6,860	103°44'39.64"										
5+7,428	TC	703.678,466	8.773.097,535			703.673,714	8.773.078,108	20,000	10°14'19.94"	Direita	3,574	1,792	0,080	3,569	108°51'49.61"
5+11,002	PT	703.681,844	8.773.096,381	22,162	113°58'59.59"										

**ELEMENTOS HORIZONTAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
6+13,164	TC	703.702,093	8.773.087,373			703.681,769	8.773.041,689	50,000	5°31'44.38"	Direita	4,825	2,414	0,058	4,823	116°44'51.77"
6+17,989	PT	703.706,400	8.773.085,202	4,800	119°30'43.96"										
7+2,788	TC	703.710,577	8.773.082,838			703.735,207	8.773.126,350	50,000	2°51'35.99"	Esquerda	2,496	1,248	0,016	2,496	118°4'55.97"
7+5,284	PT	703.712,778	8.773.081,663	9,063	116°39'7.97"										
7+14,347	TC	703.720,878	8.773.077,597			703.709,664	8.773.055,254	25,000	17°30'4.98"	Direita	7,636	3,848	0,294	7,607	125°24'10.46"
8+1,984	PT	703.727,079	8.773.073,191	6,119	134°9'12.94"										
8+8,103	TC	703.731,469	8.773.068,928			703.748,884	8.773.086,865	25,000	16°0'27.34"	Esquerda	6,985	3,515	0,246	6,962	126°8'59.27"
8+15,088	PT	703.737,091	8.773.064,821	39,204	118°8'45.60"										
10+14,291	PF	703.771,659	8.773.046,328												
RUA 20															
0+0,000	PP	703.651,672	8.773.083,723	19,501	20°17'15.33"										
0+19,501	PF	703.658,433	8.773.102,015												
RUA QUATROCENTOS E DEZENOVE II															
0+0,000	PP	703.434,641	8.772.561,628	34,615	29°34'12.83"										
1+14,615	PI	703.451,723	8.772.591,734	38,161	29°9'52.12"										
3+12,775	PI	703.470,320	8.772.625,057	29,047	30°25'18.03"										
5+1,823	TC	703.485,028	8.772.650,105			703.381,549	8.772.710,868	120,000	2°14'0.75"	Esquerda	4,678	2,339	0,023	4,678	29°18'17.65"
5+6,501	PT	703.487,317	8.772.654,184	38,069	28°11'17.28"										
7+4,570	PI	703.505,300	8.772.687,738	26,127	29°15'25.18"										
8+10,696	PI	703.518,069	8.772.710,532	44,038	30°20'31.02"										
10+14,735	PI	703.540,315	8.772.748,538	19,886	30°54'47.96"										
11+14,621	PI	703.550,532	8.772.765,600	23,534	31°29'41.59"										
12+18,155	TC	703.562,826	8.772.785,667			703.588,407	8.772.769,994	30,000	7°31'16.60"	Direita	3,938	1,972	0,065	3,935	35°15'19.88"
13+2,093	PT	703.565,098	8.772.788,880	1,352	39°0'58.18"										
13+3,445	TC	703.565,949	8.772.789,931			703.542,640	8.772.808,817	30,000	9°1'7.16"	Esquerda	4,722	2,366	0,093	4,717	34°30'24.60"
13+8,167	PT	703.568,622	8.772.793,818	4,017	29°59'51.02"										
13+12,185	TC	703.570,630	8.772.797,298			703.613,932	8.772.772,299	50,000	3°49'3.05"	Direita	3,331	1,666	0,028	3,331	31°54'22.55"
13+15,516	PT	703.572,390	8.772.800,125	5,781	33°48'54.07"										
14+1,298	TC	703.575,608	8.772.804,928			703.534,066	8.772.832,754	50,000	2°35'8.57"	Esquerda	2,256	1,128	0,013	2,256	32°31'19.79"
14+3,554	PT	703.576,821	8.772.806,831	12,747	31°13'45.51"										
14+16,301	PI	703.583,430	8.772.817,731	26,328	30°23'54.65"										
16+2,629	PI	703.596,752	8.772.840,440	17,352	30°20'3.45"										
16+19,981	PI	703.605,515	8.772.855,416	12,872	31°26'12.41"										
17+12,852	TC	703.612,229	8.772.866,398			703.543,971	8.772.908,123	80,000	3°5'38.70"	Esquerda	4,320	2,161	0,029	4,320	29°53'23.06"

**ELEMENTOS HORIZONTAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
17+17,173	PT	703.614,381	8.772.870,143	27,084	29°3'57.94"										
19+4,257	PI	703.627,539	8.772.893,816	6,367	50°45'43.00"										
19+10,624	PI	703.632,471	8.772.897,844	6,240	35°19'38.74"										
19+16,864	TC	703.636,079	8.772.902,935			703.554,324	8.772.960,520	100,000	3°42'55.30"	Esquerda	6,485	3,243	0,053	6,483	33°18'5.70"
20+3,349	PT	703.639,639	8.772.908,354	25,315	31°26'38.05"										
21+8,664	PI	703.652,845	8.772.929,951	10,234	31°7'19.63"										
21+18,898	PI	703.658,135	8.772.938,712	17,184	32°21'20.05"										
22+16,082	PI	703.667,331	8.772.953,228	36,671	31°45'0.04"										
24+12,753	TC	703.686,628	8.772.984,412			703.754,656	8.772.942,315	80,000	2°5'22.51"	Direita	2,918	1,459	0,013	2,917	32°47'41.29"
24+15,671	PT	703.688,208	8.772.986,864	15,749	33°50'22.55"										
25+11,420	PI	703.696,979	8.772.999,946	26,919	32°1'26.08"										
26+18,340	TC	703.711,253	8.773.022,769			703.690,057	8.773.036,026	25,000	8°37'18.67"	Esquerda	3,762	1,885	0,071	3,758	27°42'46.74"
27+2,102	PT	703.713,001	8.773.026,096	2,254	23°24'7.41"										
27+4,356	TC	703.713,896	8.773.028,165			703.736,840	8.773.018,235	25,000	9°10'11.52"	Direita	4,001	2,005	0,080	3,997	27°59'13.17"
27+8,357	PT	703.715,772	8.773.031,694	15,955	32°34'18.92"										
28+4,311	TC	703.724,361	8.773.045,139			703.682,225	8.773.072,057	50,000	5°11'53.34"	Esquerda	4,536	2,270	0,051	4,535	29°58'22.25"
28+8,847	PT	703.726,627	8.773.049,067	4,539	27°22'25.59"										
28+13,387	TC	703.728,714	8.773.053,098			703.773,115	8.773.030,109	50,000	4°59'26.11"	Direita	4,355	2,179	0,047	4,354	29°52'8.64"
28+17,742	PT	703.730,882	8.773.056,874	9,983	32°21'51.70"										
29+7,725	PF	703.736,226	8.773.065,306												
RUA QUATROCENTOS E DEZOITO															
0+0,000	PP	703.397,320	8.773.053,217	68,307	93°5'31.60"										
3+8,307	TC	703.465,528	8.773.049,533			703.463,909	8.773.019,576	30,000	32°42'17.85"	Direita	17,124	8,802	1,265	16,893	109°26'40.53"
4+5,431	PT	703.481,457	8.773.043,909	13,309	125°47'49.46"										
4+18,740	TC	703.492,252	8.773.036,124			703.509,799	8.773.060,457	30,000	12°43'21.87"	Esquerda	6,662	3,345	0,186	6,648	119°26'8.52"
5+5,402	PT	703.498,042	8.773.032,857	123,153	113°17'57.02"										
11+8,554	PF	703.611,151	8.772.984,146												
RUA VINTE E SETE															
0+0,000	PP	703.493,487	8.773.003,621	59,828	112°6'5.52"										
2+19,828	TC	703.548,919	8.772.981,111			703.492,481	8.772.842,133	150,000	1°55'7.76"	Direita	5,023	2,512	0,021	5,023	113°3'39.40"
3+4,852	PT	703.553,541	8.772.979,143	16,338	114°1'13.29"										
4+1,190	TC	703.568,464	8.772.972,493			703.507,405	8.772.835,482	150,000	2°34'4.30"	Direita	6,723	3,362	0,038	6,722	115°18'15.43"
4+7,913	PT	703.574,541	8.772.969,619	22,548	116°35'17.58"										
5+10,461	TC	703.594,705	8.772.959,527			703.527,569	8.772.825,390	150,000	3°13'45.84"	Direita	8,455	4,228	0,060	8,453	118°12'10.50"

**ELEMENTOS HORIZONTAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
5+18,916	PT	703.602,155	8.772.955,532	14,104	119°49'3.42"										
6+13,019	TC	703.614,391	8.772.948,519			703.688,977	8.773.078,661	150,000	0°27'30.36"	Esquerda	1,200	0,600	0,001	1,200	119°35'18.24"
6+14,219	PT	703.615,435	8.772.947,927	41,321	119°21'33.06"										
8+15,540	PF	703.651,449	8.772.927,668												
RUA VINTE E OITO															
0+0,000	PP	703.590,580	8.772.961,592	28,900	26°35'17.58"										
1+8,900	PF	703.603,515	8.772.987,435												
RUA ARLINGTON															
0+0,000	PP	703.365,571	8.773.003,412	59,049	105°10'40.75"										
2+19,049	PI	703.422,561	8.772.987,952	33,861	106°47'6.86"										
4+12,910	TC	703.454,979	8.772.978,173			703.440,540	8.772.930,303	50,000	5°4'56.76"	Direita	4,435	2,219	0,049	4,434	109°19'35.25"
4+17,345	PT	703.459,163	8.772.976,706	9,677	111°52'3.63"										
5+7,022	TC	703.468,143	8.772.973,102			703.423,448	8.772.861,736	120,000	2°39'38.26"	Direita	5,572	2,787	0,032	5,572	113°11'52.76"
5+12,595	PT	703.473,265	8.772.970,907	18,398	114°31'41.89"										
6+10,993	TC	703.490,002	8.772.963,269			703.539,820	8.773.072,440	120,000	1°39'40.95"	Esquerda	3,480	1,740	0,013	3,479	113°41'51.42"
6+14,472	PT	703.493,189	8.772.961,870	16,107	112°52'0.94"										
7+10,580	TC	703.508,030	8.772.955,611			703.566,319	8.773.093,823	150,000	2°3'27.46"	Esquerda	5,387	2,694	0,024	5,387	111°50'17.21"
7+15,966	PT	703.513,030	8.772.953,608	11,737	110°48'33.48"										
8+7,704	TC	703.524,002	8.772.949,438			703.470,713	8.772.809,223	150,000	4°2'35.20"	Direita	10,585	5,295	0,093	10,583	112°49'51.09"
8+18,288	PT	703.533,755	8.772.945,332	15,150	114°51'8.69"										
9+13,439	PI	703.547,502	8.772.938,964	15,763	115°37'30.14"										
10+9,202	TC	703.561,715	8.772.932,147			703.496,843	8.772.796,900	150,000	2°31'48.61"	Direita	6,624	3,313	0,037	6,623	116°53'24.44"
10+15,826	PT	703.567,622	8.772.929,151	18,404	118°9'18.75"										
11+14,230	PI	703.583,848	8.772.920,467	23,815	117°11'28.23"										
12+18,044	PI	703.605,031	8.772.909,585	24,787	118°39'52.46"										
14+2,831	PI	703.626,781	8.772.897,695	34,734	119°4'1.53"										
15+17,566	PI	703.657,140	8.772.880,820	27,257	118°4'8.37"										
17+4,822	PI	703.681,191	8.772.867,995	31,240	120°19'28.30"										
18+16,063	TC	703.708,157	8.772.852,222			703.707,147	8.772.850,495	2,000	90°47'50.79"	Direita	3,169	2,028	0,848	2,848	165°43'23.69"
18+19,232	PT	703.708,859	8.772.849,462	34,700	211°7'19.09"										
20+13,932	TC	703.690,924	8.772.819,756			703.648,120	8.772.845,599	50,000	6°17'10.06"	Direita	5,486	2,746	0,075	5,483	214°15'54.12"
20+19,418	PT	703.687,837	8.772.815,224	12,468	217°24'29.15"										
21+11,886	PI	703.680,263	8.772.805,321	13,297	217°45'41.05"										
22+5,183	TC	703.672,120	8.772.794,808			703.711,648	8.772.764,189	50,000	6°53'32.64"	Esquerda	6,015	3,011	0,091	6,011	214°18'54.73"

ELEMENTOS HORIZONTAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
22+11,198	PT	703.668,731	8.772.789,843	4,070	210°52'8.41"										
22+15,268	PI	703.666,643	8.772.786,350	13,683	210°40'46.54"										
23+8,951	TC	703.659,661	8.772.774,582			703.616,659	8.772.800,094	50,000	7°48'8.23"	Direita	6,809	3,410	0,116	6,804	214°34'50.66
23+15,760	PT	703.655,800	8.772.768,980	9,296	218°28'54.77"										
24+5,056	PF	703.650,015	8.772.761,703												
RUA OSÉIAS SIMÃO DOS REIS															
0+0,000	PP	703.366,253	8.772.621,816	30,738	32°24'23.62"										
1+10,738	TC	703.382,726	8.772.647,767			703.281,414	8.772.712,078	120,000	2°31'27.19"	Esquerda	5,287	2,644	0,029	5,286	31°8'40.02"
1+16,025	PT	703.385,460	8.772.652,292	63,408	28°47'33.88"										
4+19,433	TC	703.416,000	8.772.707,860			703.461,571	8.772.682,815	52,000	26°6'56.38"	Direita	23,702	12,060	1,380	23,497	41°51'2.07"
6+3,135	PT	703.431,677	8.772.725,363	19,487	54°54'30.26"										
7+2,622	TC	703.447,622	8.772.736,566			703.424,627	8.772.769,295	40,000	22°25'15.31"	Esquerda	15,653	7,928	0,778	15,553	43°41'52.60"
7+18,275	PT	703.458,367	8.772.747,811	4,165	32°29'14.94"										
8+2,440	TC	703.460,605	8.772.751,324			703.528,085	8.772.708,355	80,000	1°30'4.52"	Direita	2,096	1,048	0,007	2,096	33°14'17.20"
8+4,536	PT	703.461,753	8.772.753,078	12,016	33°59'19.46"										
8+16,553	TC	703.468,471	8.772.763,041			703.368,973	8.772.830,125	120,000	4°46'13.70"	Esquerda	9,991	4,999	0,104	9,988	31°36'12.61"
9+6,544	PT	703.473,705	8.772.771,548	19,769	29°13'5.76"										
10+6,313	TC	703.483,356	8.772.788,802			703.500,811	8.772.779,039	20,000	19°33'24.08"	Direita	6,827	3,447	0,295	6,793	38°59'47.80"
10+13,140	PT	703.487,630	8.772.794,082	8,114	48°46'29.84"										
11+1,254	TC	703.493,733	8.772.799,429			703.480,553	8.772.814,472	20,000	23°52'25.33"	Esquerda	8,333	4,228	0,442	8,273	36°50'17.18"
11+9,588	PT	703.498,694	8.772.806,051	6,704	24°54'4.51"										
11+16,292	TC	703.501,516	8.772.812,132			703.574,079	8.772.778,447	80,000	7°17'21.12"	Direita	10,178	5,096	0,162	10,171	28°32'45.07"
12+6,469	PT	703.506,377	8.772.821,066	3,274	32°11'25.63"										
12+9,743	TC	703.508,121	8.772.823,837			703.533,509	8.772.807,855	30,000	11°57'22.19"	Direita	6,260	3,142	0,164	6,249	38°10'6.73"
12+16,004	PT	703.511,983	8.772.828,750	0,821	44°8'47.82"										
12+16,824	TC	703.512,554	8.772.829,338			703.491,027	8.772.850,233	30,000	10°33'59.91"	Esquerda	5,533	2,774	0,128	5,525	38°51'47.87"
13+2,357	PT	703.516,021	8.772.833,640	3,425	33°34'47.91"										
13+5,782	TC	703.517,915	8.772.836,494			703.476,259	8.772.864,149	50,000	24°35'41.67"	Esquerda	21,463	10,899	1,174	21,299	21°16'57.07"
14+7,245	PT	703.525,646	8.772.856,340	7,255	8°59'6.24"										
14+14,500	TC	703.526,779	8.772.863,505			703.576,165	8.772.855,697	50,000	2°30'57.38"	Direita	2,196	1,098	0,012	2,195	10°14'34.93"
14+16,695	PT	703.527,169	8.772.865,666	14,856	11°30'3.62"										
15+11,551	TC	703.530,131	8.772.880,223			703.579,127	8.772.870,254	50,000	2°51'14.09"	Direita	2,491	1,246	0,016	2,490	12°55'40.66"
15+14,041	PT	703.530,688	8.772.882,650	18,726	14°21'17.71"										
16+12,767	TC	703.535,331	8.772.900,792			703.583,770	8.772.888,395	50,000	6°50'47.80"	Direita	5,975	2,991	0,089	5,971	17°46'41.61"

**ELEMENTOS HORIZONTAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
16+18,742	PT	703.537,154	8.772.906,478	33,867	21°12'5.51"										
18+12,610	PF	703.549,402	8.772.938,053												
TRAVESSA OSÉIAS															
0+0,000	PP	703.494,567	8.772.929,637	48,191	115°5'21.49"										
2+8,191	PF	703.538,211	8.772.909,202												
TRAVESSA SIMÃO															
0+0,000	PP	703.464,025	8.772.817,949	35,178	121°0'13.29"										
1+15,178	PF	703.494,176	8.772.799,829												
TRAVESSA REIS															
0+0,000	PP	703.435,570	8.772.766,940	29,509	123°26'21.20"										
1+9,509	PF	703.460,194	8.772.750,679												
RUA JONAS SOARES REIS															
0+0,000	PP	703.401,203	8.772.741,156	9,326	126°5'10.83"										
0+9,326	TC	703.408,739	8.772.735,663			703.373,399	8.772.687,175	60,000	4°4'24.06"	Direita	4,266	2,134	0,038	4,265	128°7'22.86"
0+13,591	PT	703.412,094	8.772.733,030	11,451	130°9'34.90"										
1+5,042	PI	703.420,846	8.772.725,645	9,109	138°36'23.08"										
1+14,152	PI	703.426,869	8.772.718,811	39,649	131°18'12.19"										
3+13,800	TC	703.456,654	8.772.692,641			703.535,859	8.772.782,788	120,000	1°21'29.18"	Esquerda	2,844	1,422	0,008	2,844	130°37'27.60"
3+16,645	PT	703.458,813	8.772.690,789	5,914	129°56'43.02"										
4+2,559	TC	703.463,347	8.772.686,992			703.411,982	8.772.625,660	80,000	4°42'27.88"	Direita	6,573	3,288	0,068	6,571	132°17'56.96"
4+9,132	PT	703.468,207	8.772.682,570	6,761	134°39'10.90"										
4+15,893	TC	703.473,017	8.772.677,818			703.557,354	8.772.763,183	120,000	3°51'23.47"	Esquerda	8,077	4,040	0,068	8,076	132°43'29.16"
5+3,970	PT	703.478,949	8.772.672,339	19,439	130°47'47.43"										
6+3,409	TC	703.493,665	8.772.659,638			703.513,266	8.772.682,349	30,000	12°43'50.02"	Esquerda	6,666	3,347	0,186	6,652	124°25'52.42"
6+10,074	PT	703.499,152	8.772.655,877	9,645	118°3'57.41"										
6+19,719	PI	703.507,662	8.772.651,340	26,006	117°8'53.71"										
8+5,725	TC	703.530,803	8.772.639,473			703.476,048	8.772.532,694	120,000	3°41'11.00"	Direita	7,721	3,862	0,062	7,719	118°59'29.21"
8+13,446	PT	703.537,555	8.772.635,732	26,665	120°50'4.71"										
10+0,111	PI	703.560,451	8.772.622,064	21,350	166°21'30.83"										
11+1,461	PI	703.565,486	8.772.601,316	18,778	118°7'11.20"										
12+0,239	PI	703.582,048	8.772.592,466	32,212	117°53'6.60"										
13+12,451	TC	703.610,520	8.772.577,400			703.587,135	8.772.533,206	50,000	11°23'3.61"	Direita	9,935	4,984	0,248	9,918	123°34'38.40"
14+2,386	PT	703.618,783	8.772.571,915	46,167	129°16'10.21"										
16+8,553	TC	703.654,525	8.772.542,692			703.638,700	8.772.523,338	25,000	75°51'41.28"	Direita	33,101	19,484	6,696	30,735	167°12'0.85"

**ELEMENTOS HORIZONTAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
18+1,654	PT	703.661,334	8.772.512,721	38,386	205°7'51.49"										
20+0,040	TC	703.645,032	8.772.477,968			703.554,498	8.772.520,437	100,000	2°13'13.75"	Direita	3,875	1,938	0,019	3,875	206°14'28.36"
20+3,915	PT	703.643,318	8.772.474,493	30,892	207°21'5.24"										
21+14,808	PF	703.629,125	8.772.447,054												
RUA 25															
0+0,000	PP	703.610,011	8.772.862,770	25,005	121°18'51.95"										
1+5,005	PI	703.631,373	8.772.849,774	7,564	120°36'20.60"										
1+12,568	TC	703.637,883	8.772.845,923			703.678,486	8.772.914,563	79,750	4°46'42.76"	Esquerda	6,651	3,328	0,069	6,649	118°12'59.23"
1+19,219	PT	703.643,742	8.772.842,779	15,128	115°49'37.85"										
2+14,347	TC	703.657,359	8.772.836,189			703.622,397	8.772.763,955	80,250	4°27'38.14"	Direita	6,248	3,125	0,061	6,246	118°3'26.92"
3+0,595	PT	703.662,871	8.772.833,251	18,517	120°17'15.99"										
3+19,112	TC	703.678,860	8.772.823,912			703.663,604	8.772.797,791	30,250	15°25'35.19"	Direita	8,145	4,097	0,276	8,120	128°0'3.58"
4+7,256	PT	703.685,259	8.772.818,913	3,651	135°42'51.18"										
4+10,908	TC	703.687,808	8.772.816,299			703.709,284	8.772.837,246	30,000	16°51'17.41"	Esquerda	8,825	4,445	0,327	8,793	127°17'12.48"
4+19,733	PT	703.694,804	8.772.810,972	30,192	118°51'33.77"										
6+9,925	TC	703.721,247	8.772.796,399			703.663,327	8.772.691,302	120,000	4°35'58.26"	Direita	9,633	4,819	0,097	9,631	121°9'32.90"
6+19,558	PT	703.729,488	8.772.791,416	10,660	123°27'32.04"										
7+10,218	TC	703.738,382	8.772.785,539			703.765,949	8.772.827,253	50,000	6°21'9.19"	Esquerda	5,544	2,775	0,077	5,541	120°16'57.44"
7+15,762	PT	703.743,167	8.772.782,745	7,211	117°6'22.85"										
8+2,973	TC	703.749,586	8.772.779,459			703.772,368	8.772.823,967	50,000	2°22'42.28"	Esquerda	2,076	1,038	0,011	2,075	115°55'1.71"
8+5,049	PT	703.751,452	8.772.778,552	65,738	114°43'40.57"										
11+10,787	PF	703.811,163	8.772.751,053												
RUA 26															
0+0,000	PP	703.572,903	8.772.800,891	24,617	111°34'35.88"										
1+4,617	PI	703.595,795	8.772.791,838	45,587	110°59'15.90"										
3+10,204	TC	703.638,358	8.772.775,510			703.656,266	8.772.822,193	50,000	2°42'39.95"	Esquerda	2,366	1,183	0,014	2,366	109°37'55.93"
3+12,570	PT	703.640,586	8.772.774,716	16,488	108°16'35.95"										
4+9,057	PF	703.656,242	8.772.769,545												
RUA ALECRIM															
0+0,000	PP	703.548,754	8.772.762,632	101,239	109°45'11.95"										
5+1,239	PI	703.644,036	8.772.728,416	22,163	110°17'8.58"										
6+3,401	PI	703.664,824	8.772.720,732	88,297	111°54'40.30"										
10+11,699	PF	703.746,743	8.772.687,782												
RUA PROFESSOR GUIOMAR															

**ELEMENTOS HORIZONTAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
0+0,000	PP	703.225,761	8.772.817,687	17,716	117°28'58.77"										
0+17,716	TC	703.241,478	8.772.809,511			703.278,397	8.772.880,483	80,000	4°40'56.90"	Esquerda	6,538	3,271	0,067	6,536	115°8'30.32"
1+4,254	PT	703.247,395	8.772.806,734	41,107	112°48'1.87"										
3+5,361	TC	703.285,290	8.772.790,804			703.287,227	8.772.795,413	5,000	17°30'14.25"	Esquerda	1,528	0,770	0,059	1,522	104°2'54.75"
3+6,889	PT	703.286,766	8.772.790,435	13,116	95°17'47.62"										
4+0,005	TC	703.299,826	8.772.789,224			703.299,364	8.772.784,245	5,000	17°33'35.11"	Direita	1,532	0,772	0,059	1,526	104°4'35.18"
4+1,537	PT	703.301,306	8.772.788,853	76,269	111°50'55.39"										
7+17,807	TC	703.372,097	8.772.760,469			703.353,490	8.772.714,060	50,000	14°14'15.44"	Direita	12,425	6,245	0,388	12,393	118°58'3.11"
8+10,231	PT	703.382,940	8.772.754,467	22,599	126°5'10.83"										
9+12,830	PF	703.401,203	8.772.741,156												
TRAVESSA PROFESSOR GUIOMAR															
0+0,000	PP	703.284,174	8.772.768,830	22,802	22°45'32.78"										
1+2,802	PF	703.292,995	8.772.789,857												
RUA B (2)															
0+0,000	PP	702.574,059	8.772.349,873	139,851	31°37'27.33"										
6+19,851	PF	702.647,390	8.772.468,957												
RUA C (2)															
0+0,000	PP	702.629,396	8.772.312,367	26,923	31°36'17.82"										
1+6,923	TC	702.643,506	8.772.335,297			702.473,169	8.772.440,109	200,000	3°42'10.74"	Esquerda	12,926	6,465	0,104	12,924	29°45'12.45"
1+19,849	PT	702.649,919	8.772.346,517	24,790	27°54'7.08"										
3+4,639	TC	702.661,520	8.772.368,425			702.838,270	8.772.274,833	200,000	4°9'34.33"	Direita	14,520	7,263	0,132	14,516	29°58'54.24"
3+19,158	PT	702.668,774	8.772.380,999	54,217	32°3'41.40"										
6+13,375	PI	702.697,554	8.772.426,946	106,281	31°14'28.40"										
11+19,656	PF	702.752,676	8.772.517,816												
RUA D (2)															
0+0,000	PP	702.639,440	8.772.474,456	74,459	124°40'2.44"										
3+14,459	PF	702.700,679	8.772.432,103												
TRAVESSA JOSÉ FRANCISCO MATOS															
0+0,000	PP	702.521,113	8.772.325,690	37,828	30°2'59.01"										
1+17,828	TC	702.540,055	8.772.358,434			702.550,442	8.772.352,425	12,000	92°16'15.73"	Direita	19,325	12,485	5,317	17,304	76°11'6.88"
2+17,153	PT	702.556,858	8.772.362,565	12,871	122°19'14.75"										
3+10,024	TC	702.567,735	8.772.355,684			702.557,041	8.772.338,782	20,000	14°30'56.26"	Direita	5,067	2,547	0,162	5,053	129°34'42.88"
3+15,090	PT	702.571,629	8.772.352,464	7,022	136°50'11.01"										
4+2,112	TC	702.576,433	8.772.347,343			702.591,021	8.772.361,024	20,000	13°54'29.22"	Esquerda	4,855	2,439	0,148	4,843	129°52'56.40"

**ELEMENTOS HORIZONTAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
4+6,967	PT	702.580,149	8.772.344,237	53,643	122°55'41.78"										
7+0,610	PI	702.625,175	8.772.315,077	81,061	122°42'1.74"										
11+1,671	PF	702.693,388	8.772.271,284												
TRAVESSA AYRTON SENNA															
0+0,000	PP	702.523,765	8.772.285,681	19,484	114°16'43.94"										
0+19,484	PI	702.541,526	8.772.277,669	66,362	113°47'51.35"										
4+5,846	TC	702.602,246	8.772.250,891			702.561,895	8.772.159,394	100,000	3°20'30.19"	Direita	5,832	2,917	0,043	5,832	115°28'6.44"
4+11,679	PT	702.607,511	8.772.248,384	43,833	117°8'21.54"										
6+15,511	PI	702.646,517	8.772.228,389	18,934	115°8'4.47"										
7+14,446	PF	702.663,659	8.772.220,347												
RUA IATE															
0+0,000	PP	702.272,387	8.772.348,851	120,041	110°20'35.62"										
6+0,041	PI	702.384,940	8.772.307,120	101,738	109°28'22.30"										
11+1,779	PF	702.480,859	8.772.273,205												
TRAVESSA IATE															
0+0,000	PP	702.214,617	8.772.233,804	21,168	38°20'0.84"										
1+1,168	PI	702.227,746	8.772.250,408	26,924	35°55'34.06"										
2+8,092	TC	702.243,543	8.772.272,211			702.203,054	8.772.301,548	50,000	9°4'46.14"	Esquerda	7,923	3,970	0,157	7,915	31°23'10.99"
2+16,015	PT	702.247,665	8.772.278,968	3,155	26°50'47.92"										
2+19,170	TC	702.249,090	8.772.281,783			702.204,479	8.772.304,363	50,000	7°57'2.29"	Esquerda	6,938	3,475	0,121	6,933	22°52'16.77"
3+6,109	PT	702.251,785	8.772.288,170	26,037	18°53'45.63"										
4+12,146	PI	702.260,217	8.772.312,804	43,875	18°39'18.17"										
6+16,020	PF	702.274,251	8.772.354,373												
RUA SANTANA DO LIVRAMENTO															
0+0,000	PP	702.046,502	8.772.197,177	151,837	115°45'49.88"										
7+11,837	PI	702.183,245	8.772.131,179	35,822	116°21'38.86"										
9+7,659	TC	702.215,342	8.772.115,273			702.268,625	8.772.222,795	120,000	6°31'38.02"	Esquerda	13,671	6,843	0,195	13,663	113°5'49.85"
10+1,330	PT	702.227,910	8.772.109,913	17,545	109°50'0.84"										
10+18,874	TC	702.244,414	8.772.103,960			702.261,379	8.772.150,994	50,000	5°10'32.38"	Esquerda	4,517	2,260	0,051	4,515	107°14'44.65"
11+3,391	PT	702.248,726	8.772.102,622	22,123	104°39'28.46"										
12+5,514	PI	702.270,130	8.772.097,024	65,021	106°56'31.45"										
15+10,535	PI	702.332,328	8.772.078,076	32,031	107°39'50.65"										
17+2,566	TC	702.362,849	8.772.068,357			702.347,678	8.772.020,714	50,000	8°54'15.16"	Direita	7,770	3,893	0,151	7,763	112°6'58.23"
17+10,336	PT	702.370,041	8.772.065,434	20,816	116°34'5.81"										

**ELEMENTOS HORIZONTAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
18+11,152	TC	702.388,658	8.772.056,124			702.411,021	8.772.100,844	50,000	7°15'15.60"	Esquerda	6,331	3,170	0,100	6,326	112°56'28.01"
18+17,483	PT	702.394,484	8.772.053,658	14,546	109°18'50.21"										
19+12,029	PF	702.408,212	8.772.048,847												
TRAVESSA SANTANA DO LIVRAMENTO															
0+0,000	PP	702.148,921	8.772.077,351	64,225	35°9'0.03"										
3+4,225	PF	702.185,896	8.772.129,865												
RUA A(3)															
0+0,000	PP	701.950,336	8.771.801,016	128,794	121°5'21.27"										
6+8,794	PF	702.060,631	8.771.734,511												
RUA B (3) E RUA F															
0+0,000	PP	701.945,911	8.771.800,479	45,932	83°4'25.24"										
2+5,932	TC	701.991,509	8.771.806,018			702.001,156	8.771.726,602	80,000	29°55'8.18"	Direita	41,775	21,375	2,806	41,302	98°1'59.33"
4+7,707	PT	702.032,405	8.771.800,246	56,233	112°59'33.42"										
7+3,940	TC	702.084,171	8.771.778,281			702.083,390	8.771.776,440	2,000	98°3'29.69"	Direita	3,423	2,303	1,050	3,020	162°1'18.27"
7+7,363	PT	702.085,103	8.771.775,408	42,987	211°3'3.11"										
9+10,351	PI	702.062,930	8.771.738,580	73,180	209°28'10.20"										
13+3,531	PI	702.026,929	8.771.674,869	54,210	210°17'40.76"										
15+17,740	PF	701.999,583	8.771.628,062												
RUA D (3)															
0+0,000	PP	701.925,088	8.771.746,345	40,505	119°6'8.25"										
2+0,505	TC	701.960,480	8.771.726,645			701.955,616	8.771.717,907	10,000	8°43'38.37"	Direita	1,523	0,763	0,029	1,522	123°27'57.43"
2+2,029	PT	701.961,749	8.771.725,805	34,914	127°49'46.62"										
3+16,942	TC	701.989,325	8.771.704,392			702.019,991	8.771.743,884	50,000	6°29'34.67"	Esquerda	5,666	2,836	0,080	5,663	124°34'59.29"
4+2,608	PT	701.993,988	8.771.701,178	41,633	121°20'11.95"										
6+4,241	PF	702.029,547	8.771.679,526												
RUA JOSÉ OLIVEIRA															
0+0,000	PP	701.797,180	8.771.516,061	20,044	123°58'0.44"										
1+0,044	TC	701.813,804	8.771.504,862			701.814,921	8.771.506,521	2,000	88°46'53.25"	Esquerda	3,099	1,958	0,799	2,798	79°34'33.81"
1+3,143	PT	701.816,556	8.771.505,368	61,092	35°11'7.19"										
4+4,234	PI	701.851,758	8.771.555,298	62,826	35°50'14.98"										
7+7,060	PI	701.888,542	8.771.606,230	62,602	35°4'22.30"										
10+9,663	PF	701.924,514	8.771.657,465												
RUA 23															
0+0,000	PP	701.877,426	8.771.478,060	32,915	32°40'33.24"										

**ELEMENTOS HORIZONTAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
1+12,915	TC	701.895,196	8.771.505,766			702.021,457	8.771.424,783	150,000	3°55'12.32"	Direita	10,263	5,133	0,088	10,261	34°38'9.40"
2+3,177	PT	701.901,028	8.771.514,208	22,238	36°35'45.56"										
3+5,415	PI	701.914,286	8.771.532,062	64,234	35°43'15.62"										
6+9,649	PI	701.951,788	8.771.584,212	25,338	36°19'41.19"										
7+14,987	TC	701.966,798	8.771.604,625			702.087,644	8.771.515,764	150,000	4°16'4.88"	Direita	11,174	5,589	0,104	11,171	38°27'43.63"
8+6,161	PT	701.973,747	8.771.613,372	11,787	40°35'46.07"										
8+17,948	PF	701.981,417	8.771.622,322												
AVENIDA POETA MÁRIO DE ARAÚJO CABRA															
0+0,000	PP	701.847,943	8.771.928,091	54,183	212°36'24.99"										
2+14,183	TC	701.818,745	8.771.882,447			701.918,450	8.771.815,673	120,000	6°44'14.44"	Esquerda	14,111	7,063	0,208	14,103	210°26'30.99"
3+8,294	PT	701.811,599	8.771.870,289	19,976	207°4'23.78"										
4+8,270	TC	701.802,508	8.771.852,502			701.809,631	8.771.848,861	8,000	86°50'46.94"	Esquerda	12,126	7,571	3,015	10,998	163°39'0.31"
5+0,396	PT	701.805,604	8.771.841,949	17,537	120°13'36.84"										
5+17,932	TC	701.820,756	8.771.833,120			701.881,167	8.771.936,805	120,000	3°14'49.54"	Esquerda	6,801	3,401	0,048	6,800	118°36'12.07"
6+4,733	PT	701.826,726	8.771.829,865	15,126	116°58'47.30"										
6+19,859	TC	701.840,206	8.771.823,002			701.862,890	8.771.867,561	50,000	9°56'42.68"	Esquerda	8,679	4,350	0,189	8,668	112°0'25.96"
7+8,538	PT	701.848,242	8.771.819,754	24,248	107°2'4.62"										
8+12,786	TC	701.871,426	8.771.812,651			701.865,567	8.771.793,528	20,000	20°13'41.54"	Direita	7,061	3,568	0,316	7,024	117°8'55.39"
8+19,847	PT	701.877,677	8.771.809,446	37,247	127°15'46.16"										
10+17,094	PI	701.907,321	8.771.786,894	21,210	130°4'55.92"										
11+18,304	PF	701.923,549	8.771.773,237												
EIXO PROJETADO 01															
0+0,000	PP	703.034,140	8.773.087,466	29,135	185°51'45.04"										
1+9,135	PI	703.031,164	8.773.058,483	15,611	124°40'51.35"										
2+4,746	PF	703.044,001	8.773.049,600												
EIXO PROJETADO 02															
0+0,000	PP	701.883,447	8.772.027,581	25,253	127°30'43.75"										
1+5,253	PI	701.903,478	8.772.012,204	8,916	121°22'0.93"										
1+14,169	PF	701.911,091	8.772.007,563												
EIXO DO CANAL E VALA PROJETADA															
0+0,000	PP	702.909,157	8.771.293,118	878,330	30°40'44.35"										
43+18,330	PI	703.357,305	8.772.048,517	334,894	30°29'47.21"										
60+13,224	TC	703.527,259	8.772.337,081			702.967,179	8.772.666,947	650,000	3°43'11.31"	Esquerda	42,200	21,107	0,343	42,192	28°38'11.56"
62+15,424	PT	703.547,480	8.772.374,113	261,966	26°46'35.90"										

**ELEMENTOS HORIZONTAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
75+17,390	PI	703.665,499	8.772.607,988	240,800	45°30'56.79"										
87+18,189	PF	703.837,296	8.772.776,719												
EIXO AUXILIAR 01															
0+0,000	PP	703.162,755	8.771.714,702			703.160,174	8.771.716,233	3,000	179°44'4.61"	Esquerda	9,411	1.295,382	1.292,385	6,000	300°48'40.94"
0+9,411	PF	703.157,601	8.771.717,776												
EIXO AUXILIAR 02															
0+0,000	PP	703.170,853	8.771.740,113			703.173,440	8.771.738,594	3,000	179°44'4.61"	Esquerda	9,411	1.295,382	1.292,386	6,000	120°32'47.75"
0+9,411	PF	703.176,020	8.771.737,063												
EIXO AUXILIAR 03															
0+0,000	PP	703.584,150	8.772.440,122			703.581,462	8.772.441,455	3,000	180°0'0.00"	Esquerda	9,425	65.535,000	65.535,000	6,000	296°46'35.90"
0+9,425	PF	703.578,807	8.772.442,847												
EIXO AUXILIAR 04															
0+0,000	PP	703.663,397	8.772.610,129			703.665,499	8.772.607,988	3,000	180°0'0.00"	Esquerda	9,425	65.535,000	65.535,000	6,000	135°30'56.79"
0+9,425	PF	703.667,601	8.772.605,848												
EIXO AUXILIAR 05															
0+0,000	PP	703.837,257	8.772.772,477			703.835,155	8.772.774,617	3,000	180°0'0.00"	Esquerda	9,425	65.535,000	65.535,000	6,000	315°30'56.79"
0+9,425	PF	703.833,053	8.772.776,757												
RODOVIA DOS NAUFRAGOS															
0+0,000	PP	702.055,439	8.771.585,306	147,733	301°45'14.99"										
7+7,733	PI	701.929,820	8.771.663,054	42,160	302°6'24.15"										
9+9,893	TC	701.894,108	8.771.685,462			701.899,423	8.771.693,933	10,000	86°37'45.42"	Direita	15,120	9,428	3,744	13,720	345°25'16.85"
10+5,013	PT	701.890,654	8.771.698,740	51,313	28°44'9.56"										
12+16,325	PI	701.915,324	8.771.743,734	45,233	29°49'36.28"										
15+1,558	TC	701.937,822	8.771.782,975			701.916,134	8.771.795,409	25,000	71°25'8.50"	Esquerda	31,162	17,971	5,789	29,184	354°7'2.04"
16+12,721	PT	701.934,831	8.771.812,005	13,080	318°24'27.79"										
17+5,801	TC	701.926,148	8.771.821,788			702.042,071	8.771.924,681	155,000	76°33'35.17"	Direita	207,114	122,323	42,454	192,046	356°41'15.37"
27+12,915	PT	701.915,052	8.772.013,513	37,152	34°58'2.96"										
29+10,068	PI	701.936,344	8.772.043,958	20,566	35°54'13.54"										
30+10,634	PI	701.948,405	8.772.060,617	36,606	35°47'56.15"										
32+7,240	PI	701.969,817	8.772.090,307	59,296	34°44'31.13"										
35+6,536	PI	702.003,609	8.772.139,033	47,452	31°35'16.14"										
37+13,988	PI	702.028,465	8.772.179,454	132,302	31°33'24.65"										
44+6,291	PI	702.097,704	8.772.292,192	34,563	31°20'54.55"										
46+0,854	PI	702.115,685	8.772.321,709	24,447	35°33'56.25"										

**ELEMENTOS HORIZONTAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COORDENADAS		CARACTERÍSTICAS DA TANGENTE		CURVA CIRCULAR SIMPLES									
						CENTRO DA CUVA		CARACTERÍSTICAS GERAIS						CORDA	
		LESTE	NORTE	EP.	AZIMUTE	LESTE	NORTE	RAIO	AC	SENTIDO	DESENV.	TANGENTE	AFAST.	EP.	AZIMUTE
47+5,301	TC	702.129,904	8.772.341,596			702.138,039	8.772.335,779	10,000	49°27'13.36"	Direita	8,631	4,605	1,009	8,366	60°17'32.93"
47+13,932	PT	702.137,171	8.772.345,741	146,160	85°1'9.61"										
55+0,092	TC	702.282,779	8.772.358,431			702.238,501	8.772.866,505	510,000	16°49'37.56"	Esquerda	149,781	75,433	5,548	149,243	76°36'20.83"
62+9,873	PT	702.427,963	8.772.393,003	421,339	68°11'32.05"										
83+11,212	PI	702.819,149	8.772.549,528	17,870	63°49'20.63"										
84+9,082	PI	702.835,186	8.772.557,411	65,803	68°10'56.20"										
87+14,885	TC	702.896,275	8.772.581,867			702.788,495	8.772.851,095	290,000	34°30'35.06"	Esquerda	174,669	90,074	13,667	172,041	50°55'38.66"
96+9,554	PT	703.029,839	8.772.690,305	206,095	33°40'21.13"										
106+15,649	TC	703.144,107	8.772.861,822			703.496,969	8.772.626,737	424,000	26°4'55.69"	Direita	193,013	98,208	11,225	191,351	46°42'48.98"
116+8,662	PT	703.283,398	8.772.993,021	82,620	59°45'16.82"										
120+11,282	TC	703.354,772	8.773.034,637			703.190,061	8.773.317,124	327,000	21°14'50.58"	Esquerda	121,264	61,336	5,703	120,570	49°7'51.53"
126+12,546	PT	703.445,948	8.773.113,529	85,869	38°30'26.24"										
130+18,414	PI	703.499,411	8.773.180,724	65,667	38°36'29.44"										
134+4,081	PI	703.540,386	8.773.232,038	67,642	38°30'26.14"										
137+11,722	PI	703.582,501	8.773.284,970	131,580	38°44'38.62"										
144+3,302	PF	703.664,849	8.773.387,595												
RODOVIA AIRTON SENNA															
0+0,000	PP	702.651,963	8.772.193,714	114,295	30°14'23.16"										
5+14,295	PF	702.709,524	8.772.292,456												

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
RUA JOSÉ ALMERINDO DOS SANTOS												
0+0,000	PPV	4,857	Tangent	2,851		3,000%	0+0,000	4,857				
0+2,851	PIV	4,943	Tangent	7,078	3,000%	-2,170%	0+2,851	4,943				
0+9,929	PCV	4,789	Parábola	10,000								
					-2,170%	-0,158%	0+14,929	4,680	0,025	4,970		
0+19,929	PTV	4,673	Tangent	47,515								
3+7,444	PCV	4,598	Parábola	20,000								
					-0,158%	0,203%	3+17,444	4,582	0,009	55,486		
4+7,444	PTV	4,602	Tangent	67,556								
7+15,000	PCV	4,739	Parábola	30,000								
					0,203%	-0,574%	8+10,000	4,770	0,029	38,597		
9+5,000	PTV	4,683	Tangent	35,000								
11+0,000	PCV	4,482	Parábola	20,000								
					-0,574%	0,199%	11+10,000	4,425	0,019	25,848		
12+0,000	PTV	4,445	Tangent	22,077								
13+2,077	PCV	4,489	Parábola	20,000								
					0,199%	1,145%	13+12,077	4,509	0,024	21,141		
14+2,077	PTV	4,623	Tangent	10,492								
14+12,569	PCV	4,743	Parábola	15,001								
					1,145%	-1,178%	15+0,069	4,829	0,044	6,457		
15+7,569	PTV	4,741	Tangent	34,986								
17+2,555	PCV	4,329	Parábola	10,002								
					-1,178%	0,461%	17+7,556	4,270	0,020	6,104		
17+12,557	PTV	4,293	Tangent	92,139								
22+4,696	PCV	4,717	Parábola	50,000								
					0,461%	0,219%	23+9,696	4,832	0,015	206,684		
24+14,696	PTV	4,887	Tangent	80,348								
28+15,044	PCV	5,063	Parábola	20,000								
					0,219%	0,405%	29+5,044	5,085	0,005	107,349		

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
29+15,044	PTV	5,125	Tangent	45,608								
32+0,652	PCV	5,310	Parábola	10,000								
					0,405%	1,457%	32+5,652	5,330	0,013	9,508		
32+10,652	PTV	5,403	Tangent	12,454								
33+3,106	PIV	5,584	Tangent	3,231	1,457%	3,347%	33+3,106	5,584				
33+6,336	PFV	5,692			3,347%		33+6,336	5,692				
33+6,376												
RUA 21												
0+0,000	PPV	6,891	Tangent	4,162		-6,213%	0+0,000	6,891				
0+4,162	PCV	6,633	Parábola	8,000								
					-6,213%	-1,571%	0+8,162	6,384	0,046	1,723		
0+12,162	PTV	6,321	Tangent	21,673								
1+13,835	PCV	5,981	Parábola	5,079								
					-1,571%	-3,664%	1+16,374	5,941	0,013	2,426		
1+18,914	PTV	5,848	Tangent	8,298								
2+7,212	PCV	5,544	Parábola	54,997								
					-3,664%	2,387%	3+14,710	4,536	0,416	9,088		
5+2,209	PTV	5,193	Tangent	12,259								
5+14,468	PCV	5,485	Parábola	10,000								
					2,387%	1,428%	5+19,468	5,605	0,012	10,423		
6+4,468	PTV	5,676	Tangent	40,271								
8+4,739	PCV	6,251	Parábola	10,036								
					1,428%	6,261%	8+9,757	6,323	0,061	2,076		
8+14,775	PTV	6,637	Tangent	6,173								
9+0,948	PCV	7,023	Parábola	5,380								
					6,261%	0,307%	9+3,638	7,192	0,040	0,904		
9+6,328	PTV	7,200	Tangent	26,836								
10+13,164	PCV	7,282	Parábola	10,017								
					0,307%	-4,617%	10+18,173	7,298	0,062	2,035		

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
11+3,181	PTV	7,067	Tangent	6,855								
11+10,036	PCV	6,750	Parábola	5,000								
					-4,617%	-11,515%	11+12,536	6,635	0,043	0,725		
11+15,036	PTV	6,347	Tangent	0,187								
11+15,223	PCV	6,325	Parábola	5,000								
					-11,515%	-1,600%	11+17,723	6,037	0,062	0,504		
12+0,223	PTV	5,997	Tangent	4,714								
12+4,936	PCV	5,922	Parábola	10,000								
					-1,600%	1,832%	12+9,936	5,842	0,043	2,914		
12+14,936	PTV	5,934	Tangent	16,423								
13+11,359	PCV	6,234	Parábola	10,000								
					1,832%	-5,079%	13+16,359	6,326	0,086	1,447		
14+1,359	PTV	6,072	Tangent	11,141								
14+12,500	PCV	5,506	Parábola	15,000								
					-5,079%	0,766%	15+0,000	5,125	0,110	2,567		
15+7,500	PTV	5,183	Tangent	6,228								
15+13,728	PIV	5,230	Tangent	3,480	0,766%	-3,000%	15+13,728	5,230				
15+17,208	PFV	5,126			-3,000%		15+17,208	5,126				
RUA 30												
0+0,000	PPV	5,888	Tangent	2,406		3,000%	0+0,000	5,888				
0+2,406	PIV	5,960	Tangent	23,466	3,000%	-1,021%	0+2,406	5,960				
1+5,872	PCV	5,721	Parábola	5,000								
					-1,021%	2,008%	1+8,372	5,695	0,019	1,650		
1+10,872	PTV	5,745	Tangent	9,503								
2+0,375	PFV	5,936			2,008%		2+0,375	5,936				
RUA PRIMAVERA MANOEL RODRIGUES												
0+0,000	PPV	8,283	Tangent	20,000		-3,404%	0+0,000	8,283				
1+0,000	PCV	7,603	Parábola	20,000								
					-3,404%	-0,844%	1+10,000	7,262	0,064	7,811		

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
2+0,000	PTV	7,178	Tangent	16,670								
2+16,670	PCV	7,037	Parábola	10,000								
					-0,844%	-7,307%	3+1,670	6,995	0,081	1,547		
3+6,670	PTV	6,630	Tangent	8,969								
3+15,638	PCV	5,974	Parábola	8,724								
					-7,307%	-1,802%	4+0,000	5,656	0,060	1,585		
4+4,362	PTV	5,577	Tangent	3,151								
4+7,512	PCV	5,520	Parábola	24,975								
					-1,802%	1,536%	5+0,000	5,295	0,104	7,482		
5+12,488	PTV	5,487	Tangent	13,056								
6+5,544	PCV	5,688	Parábola	20,000								
					1,536%	-2,460%	6+15,544	5,841	0,100	5,005		
7+5,544	PTV	5,595	Tangent	20,958								
8+6,502	PCV	5,080	Parábola	5,000								
					-2,460%	-0,856%	8+9,002	5,018	0,010	3,118		
8+11,502	PTV	4,997	Tangent	18,553								
9+10,055	PIV	4,838	Tangent	3,899	-0,856%	-3,000%	9+10,055	4,838				
9+13,954	PFV	4,721			-3,000%		9+13,954	4,721				
RUA 24												
0+0,000	PPV	4,514	Tangent	3,096		3,000%	0+0,000	4,514				
0+3,096	PIV	4,607	Tangent	2,039	3,000%	1,231%	0+3,096	4,607				
0+5,135	PCV	4,632	Parábola	10,000								
					1,231%	4,307%	0+10,135	4,694	0,038	3,251		
0+15,135	PTV	4,909	Tangent	1,317								
0+16,452	PCV	4,966	Parábola	10,000								
					4,307%	3,359%	1+1,452	5,181	0,012	10,546		
1+6,452	PTV	5,349	Tangent	7,939								
1+14,391	PCV	5,616	Parábola	10,000								
					3,359%	-3,989%	1+19,391	5,784	0,092	1,361		

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
2+4,391	PTV	5,584	Tangent	8,835								
2+13,226	PFV	5,232			-3,989%		2+13,226	5,232				
RUA 10												
0+0,000	PPV	6,317	Tangent	13,353		-0,656%	0+0,000	6,317				
0+13,353	PCV	6,229	Parábola	20,000								
					-0,656%	-2,342%	1+3,353	6,164	0,042	11,864		
1+13,353	PTV	5,930	Tangent	48,889								
4+2,242	PCV	4,785	Parábola	7,000								
					-2,342%	-0,016%	4+5,742	4,703	0,020	3,010		
4+9,242	PTV	4,702	Tangent	4,412								
4+13,654	PIV	4,702	Tangent	3,756	-0,016%	-3,000%	4+13,654	4,702				
4+17,410	PFV	4,589			-3,000%		4+17,410	4,589				
RUA C - PARTE 1												
0+0,000												
0+16,029	PPV	5,518	Tangent	0,177		3,739%	0+16,029	5,518				
0+16,206	PCV	5,524	Parábola	20,000								
					3,739%	1,601%	1+6,206	5,898	0,053	9,351		
1+16,206	PTV	6,058	Tangent	3,229								
1+19,435	PFV	6,110			1,601%		1+19,435	6,110				
RUA C e RUA PAULO EMÍDIO												
0+0,000		6,002										
0+3,676	PCV	6,109	Parábola	10,000								
					2,920%	0,238%	0+8,676	6,255	0,034	3,729		
0+13,676	PTV	6,267	Tangent	7,144								
1+0,820	PCV	6,284	Parábola	10,000								
					0,238%	1,280%	1+5,820	6,296	0,013	9,598		
1+10,820	PTV	6,360	Tangent	58,635								
4+9,455	PCV	7,111	Parábola	18,004								
					1,280%	-3,102%	4+18,458	7,226	0,099	4,109		

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
5+7,460	PTV	6,947	Tangent	9,572								
5+17,032	PCV	6,650	Parábola	10,000								
					-3,102%	-1,113%	6+2,032	6,495	0,025	5,029		
6+7,032	PTV	6,439	Tangent	30,026								
7+17,058	PCV	6,105	Parábola	15,000								
					-1,113%	0,370%	8+4,558	6,021	0,028	10,114		
8+12,058	PTV	6,049	Tangent	13,513								
9+5,572	PCV	6,099	Parábola	10,000								
					0,370%	-2,212%	9+10,572	6,117	0,032	3,873		
9+15,572	PTV	6,007	Tangent	18,108								
10+13,680	PCV	5,606	Parábola	10,000								
					-2,212%	-3,015%	10+18,680	5,496	0,010	12,457		
11+3,680	PTV	5,345	Tangent	3,249								
11+6,929	PCV	5,247	Parábola	15,000								
					-3,015%	-1,445%	11+14,429	5,021	0,029	9,556		
12+1,929	PTV	4,912	Tangent	17,331								
12+19,260	PCV	4,662	Parábola	50,000								
					-1,445%	3,439%	14+4,260	4,301	0,305	10,237		
15+9,260	PTV	5,160	Tangent	28,329								
16+17,589	PCV	6,135	Parábola	10,005								
					3,439%	1,466%	17+2,591	6,307	0,025	5,072		
17+7,594	PTV	6,380	Tangent	32,301								
18+19,895	PCV	6,854	Parábola	15,000								
					1,466%	-3,563%	19+7,395	6,964	0,094	2,983		
19+14,895	PTV	6,696	Tangent	5,534								
20+0,429	PCV	6,499	Parábola	20,000								
					-3,563%	-0,821%	20+10,429	6,143	0,069	7,293		
21+0,429	PTV	6,061	Tangent	14,412								
21+14,842	PCV	5,943	Parábola	5,000								

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
					-0,821%	-3,281%	21+17,342	5,922	0,015	2,032		
21+19,842	PTV	5,840	Tangent	5,013								
22+4,855	PCV	5,676	Parábola	30,000								
					-3,281%	-0,964%	22+19,855	5,183	0,087	12,947		
23+14,855	PTV	5,039	Tangent	10,145								
24+5,000	PCV	4,941	Parábola	10,000								
					-0,964%	-0,245%	24+10,000	4,893	0,009	13,904		
24+15,000	PTV	4,880	Tangent	13,915								
25+8,915	PCV	4,846	Parábola	20,000								
					-0,245%	2,172%	25+18,915	4,822	0,060	8,274		
26+8,915	PTV	5,039	Tangent	5,940								
26+14,855	PCV	5,168	Parábola	30,000								
					2,172%	1,436%	27+9,855	5,494	0,028	40,741		
28+4,855	PTV	5,709	Tangent	20,947								
29+5,802	PCV	6,010	Parábola	15,000								
					1,436%	-0,904%	29+13,302	6,118	0,044	6,411		
30+0,802	PTV	6,050	Tangent	13,522								
30+14,323	PCV	5,928	Parábola	20,000								
					-0,904%	0,452%	31+4,323	5,838	0,034	14,750		
31+14,323	PTV	5,883	Tangent	4,583								
31+18,906	PCV	5,903	Parábola	20,000								
					0,452%	-1,228%	32+8,906	5,949	0,042	11,900		
32+18,906	PTV	5,826	Tangent	30,579								
34+9,485	PCV	5,450	Parábola	20,000								
					-1,228%	-1,994%	34+19,485	5,327	0,019	26,114		
35+9,485	PTV	5,128	Tangent	5,682								
35+15,166	PCV	5,015	Parábola	20,000								
					-1,994%	1,049%	36+5,166	4,815	0,076	6,572		
36+15,166	PTV	4,920	Tangent	31,084								

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
38+6,251	PCV	5,246	Parábola	10,000								
					1,049%	0,513%	38+11,251	5,299	0,007	18,676		
38+16,251	PTV	5,324	Tangent	42,159								
40+18,410	PFV	5,541			0,513%		40+18,410	5,541				
RUA SIEGFRED VIEIRA LOESER												
0+0,000	PPV	6,276	Tangent	1,962		3,000%	0+0,000	6,276				
0+1,962	PIV	6,335	Tangent	0,485	3,000%	-4,072%	0+1,962	6,335				
0+2,447	PCV	6,315	Parábola	4,000								
					-4,072%	0,431%	0+4,447	6,234	0,023	0,888		
0+6,447	PTV	6,242	Tangent	13,553								
1+0,000	PIV	6,301	Tangent	45,765	0,431%	-0,042%	1+0,000	6,301				
3+5,765	PCV	6,282	Parábola	10,000								
					-0,042%	-1,166%	3+10,765	6,280	0,014	8,897		
3+15,765	PTV	6,221	Tangent	11,735								
4+7,500	PCV	6,084	Parábola	25,000								
					-1,166%	-0,103%	5+0,000	5,939	0,033	23,524		
5+12,500	PTV	5,926	Tangent	35,000								
7+7,500	PCV	5,890	Parábola	25,000								
					-0,103%	0,375%	8+0,000	5,877	0,015	52,318		
8+12,500	PTV	5,924	Tangent	16,367								
9+8,867	PCV	5,985	Parábola	8,000								
					0,375%	4,743%	9+12,867	6,000	0,044	1,831		
9+16,867	PTV	6,190	Tangent	1,538								
9+18,405	PFV	6,263			4,743%		9+18,405	6,263				
TRAVESSA A												
0+0,000	PPV	5,265	Tangent	3,393		3,000%	0+0,000	5,265				
0+3,393	PIV	5,367	Tangent	10,031	3,000%	-2,819%	0+3,393	5,367				
0+13,424	PCV	5,084	Parábola	15,000								
					-2,819%	1,828%	1+0,924	4,873	0,087	3,229		

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
1+8,424	PTV	5,010	Tangent	45,711								
3+14,135	PCV	5,845	Parábola	5,000								
					1,828%	0,023%	3+16,635	5,891	0,011	2,771		
3+19,135	PTV	5,891	Tangent	6,319								
4+5,454	PCV	5,893	Parábola	5,000								
					0,023%	2,532%	4+7,954	5,893	0,016	1,993		
4+10,454	PTV	5,957	Tangent	31,667								
6+2,120	PFV	6,759			2,532%		6+2,120	6,759				
RUA ERUNDINO SIMÃO DOS REIS												
0+0,000	PPV	6,255	Tangent	0,848		4,000%	0+0,000	6,255				
0+0,848	PCV	6,289	Parábola	5,000								
					4,000%	-3,100%	0+3,348	6,389	0,044	0,704		
0+5,848	PTV	6,311	Tangent	6,001								
0+11,849	PCV	6,125	Parábola	30,000								
					-3,100%	2,103%	1+6,849	5,660	0,195	5,766		
2+1,849	PTV	5,976	Tangent	5,582								
2+7,432	PCV	6,093	Parábola	10,000								
					2,103%	-5,204%	2+12,432	6,198	0,091	1,369		
2+17,432	PTV	5,938	Tangent	5,890								
3+3,322	PFV	5,632			-5,204%		3+3,322	5,632				
RUA CARLOS ALBERTO ZUZART												
0+0,000	PPV	5,609	Tangent	3,476		3,000%	0+0,000	5,609				
0+3,476	PIV	5,713	Tangent	2,226	3,000%	-0,568%	0+3,476	5,713				
0+5,702	PCV	5,701	Parábola	10,000								
					-0,568%	0,661%	0+10,702	5,672	0,015	8,137		
0+15,702	PTV	5,705	Tangent	7,110								
1+2,812	PCV	5,752	Parábola	10,000								
					0,661%	-0,128%	1+7,813	5,785	0,010	12,671		
1+12,813	PTV	5,779	Tangent	23,569								

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
2+16,381	PCV	5,749	Parábola	5,000								
					-0,128%	0,865%	2+18,881	5,746	0,006	5,037		
3+1,381	PTV	5,767	Tangent	5,295								
3+6,676	PCV	5,813	Parábola	20,000								
					0,865%	0,003%	3+16,676	5,900	0,022	23,205		
4+6,676	PTV	5,900	Tangent	23,811								
5+10,487	PCV	5,901	Parábola	10,000								
					0,003%	-0,593%	5+15,487	5,901	0,007	16,782		
6+0,487	PTV	5,871	Tangent	24,044								
7+4,531	PCV	5,729	Parábola	20,000								
					-0,593%	1,131%	7+14,531	5,669	0,043	11,600		
8+4,531	PTV	5,783	Tangent	30,469								
9+15,000	PCV	6,127	Parábola	30,000								
					1,131%	-0,601%	10+10,000	6,297	0,065	17,318		
11+5,000	PTV	6,207	Tangent	65,730								
14+10,730	PCV	5,812	Parábola	20,000								
					-0,601%	0,585%	15+0,730	5,752	0,030	16,863		
15+10,730	PTV	5,810	Tangent	76,523								
19+7,252	PCV	6,258	Parábola	29,820								
					0,585%	-2,191%	20+2,162	6,345	0,103	10,743		
20+17,072	PTV	6,018	Tangent	41,638								
22+18,710	PCV	5,106	Parábola	29,784								
					-2,191%	2,207%	23+13,602	4,780	0,164	6,772		
24+8,494	PTV	5,109	Tangent	8,501								
24+16,995	PCV	5,296	Parábola	15,000								
					2,207%	-1,141%	25+4,495	5,462	0,063	4,479		
25+11,995	PTV	5,376	Tangent	31,692								
27+3,687	PCV	5,015	Parábola	15,995								
					-1,141%	9,864%	27+11,685	4,923	0,220	1,453		

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
27+19,682	PTV	5,712	Tangent	0,850								
28+0,533	PFV	5,796			9,864%		28+0,533	5,796				
TRAVESSA CARLOS ALBERTO ZUZART 1												
0+0,000	PPV	6,169	Tangent	1,510		3,000%	0+0,000	6,169				
0+1,510	PIV	6,214	Tangent	8,833	3,000%	-1,726%	0+1,510	6,214				
0+10,343	PCV	6,062	Parábola	20,000								
					-1,726%	-2,870%	1+0,343	5,889	0,029	17,474		
1+10,343	PTV	5,602	Tangent	20,682								
2+11,025	PCV	5,009	Parábola	10,000								
					-2,870%	0,644%	2+16,025	4,865	0,044	2,845		
3+1,025	PTV	4,897	Tangent	8,094								
3+9,120	PCV	4,949	Parábola	10,000								
					0,644%	3,728%	3+14,120	4,982	0,039	3,243		
3+19,120	PTV	5,168	Tangent	2,025								
4+1,145	PCV	5,244	Parábola	10,000								
					3,728%	-1,553%	4+6,145	5,430	0,066	1,894		
4+11,145	PTV	5,352	Tangent	2,275								
4+13,420	PFV	5,317			-1,553%		4+13,420	5,317				
RUA 29												
0+0,000	PPV	5,113	Tangent	2,005		1,444%	0+0,000	5,113				
0+2,005	PCV	5,142	Parábola	8,000								
					1,444%	3,656%	0+6,005	5,199	0,022	3,617		
0+10,005	PTV	5,346	Tangent	4,799								
0+14,804	PCV	5,521	Parábola	10,000								
					3,656%	5,521%	0+19,804	5,704	0,023	5,360		
1+4,804	PTV	5,980	Tangent	3,638								
1+8,441	PCV	6,181	Parábola	10,000								
					5,521%	-2,772%	1+13,441	6,457	0,104	1,206		
1+18,441	PTV	6,318	Tangent	4,100								

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
2+2,541	PCV	6,205	Parábola	8,000								
					-2,772%	-2,161%	2+6,541	6,094	0,006	13,093		
2+10,541	PTV	6,007	Tangent	2,253								
2+12,794	PCV	5,959	Parábola	5,000								
					-2,161%	-0,593%	2+15,294	5,905	0,010	3,189		
2+17,794	PTV	5,890	Tangent	0,455								
2+18,249	PIV	5,887	Tangent	1,500	-0,593%	-3,000%	2+18,249	5,887				
2+19,749	PFV	5,842			-3,000%		2+19,749	5,842				
RUA RECANTO MARGARIDA												
0+0,000	PPV	4,917	Tangent	45,000		0,255%	0+0,000	4,917				
2+5,000	PCV	5,032	Parábola	10,000								
					0,255%	0,669%	2+10,000	5,044	0,005	24,168		
2+15,000	PTV	5,078	Tangent	25,748								
4+0,748	PCV	5,250	Parábola	30,000								
					0,669%	-0,994%	4+15,748	5,351	0,062	18,038		
5+10,747	PTV	5,202	Tangent	16,753								
6+7,500	PCV	5,035	Parábola	5,000								
					-0,994%	-0,024%	6+10,000	5,010	0,006	5,158		
6+12,500	PTV	5,010	Tangent	8,947								
7+1,447	PCV	5,007	Parábola	5,000								
					-0,024%	-1,658%	7+3,947	5,007	0,010	3,061		
7+6,447	PTV	4,965	Tangent	12,858								
7+19,305	PCV	4,752	Parábola	15,000								
					-1,658%	2,962%	8+6,805	4,628	0,087	3,246		
8+14,305	PTV	4,850	Tangent	24,746								
9+19,051	PCV	5,583	Parábola	25,000								
					2,962%	-0,662%	10+11,551	5,953	0,113	6,898		
11+4,051	PTV	5,870	Tangent	30,949								
12+15,000	PCV	5,666	Parábola	10,000								

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
					-0,662%	0,448%	13+0,000	5,632	0,014	9,009		
13+5,000	PTV	5,655	Tangent	44,419								
15+9,419	PCV	5,854	Parábola	30,000								
					0,448%	0,971%	16+4,419	5,921	0,020	57,327		
16+19,419	PTV	6,067	Tangent	60,399								
19+19,818	PCV	6,653	Parábola	20,000								
					0,971%	-0,532%	20+9,818	6,750	0,038	13,305		
20+19,818	PTV	6,697	Tangent	35,182								
22+15,000	PCV	6,510	Parábola	10,000								
					-0,532%	-1,208%	23+0,000	6,483	0,008	14,788		
23+5,000	PTV	6,423	Tangent	25,000								
24+10,000	PCV	6,121	Parábola	20,000								
					-1,208%	-0,133%	25+0,000	6,000	0,027	18,608		
25+10,000	PTV	5,987	Tangent	30,000								
27+0,000	PCV	5,947	Parábola	20,000								
					-0,133%	0,399%	27+10,000	5,933	0,013	37,567		
28+0,000	PTV	5,973	Tangent	3,756								
28+3,756	PCV	5,988	Parábola	10,000								
					0,399%	1,360%	28+8,756	6,008	0,012	10,406		
28+13,756	PTV	6,076	Tangent	1,771								
28+15,527	PIV	6,100	Tangent	1,985	1,360%	-2,879%	28+15,527	6,100				
28+17,512	PFV	6,043			-2,879%		28+17,512	6,043				
TRAVESSA B												
0+0,000	PPV	5,798	Tangent	18,456		7,016%	0+0,000	5,798				
0+18,456	PCV	7,093	Parábola	21,047								
					7,016%	-5,112%	1+8,980	7,831	0,319	1,735		
1+19,503	PTV	7,293	Tangent	0,497								
2+0,000	PCV	7,268	Parábola	40,000								
					-5,112%	0,151%	3+0,000	6,245	0,263	7,600		

**ELEMENTOS VERTICAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
3+20,000	PTV	6,276	Tangent	11,092								
4+11,092	PCV	6,292	Parábola	5,000								
					0,151%	-0,217%	4+13,592	6,296	0,002	13,597		
4+16,092	PTV	6,291	Tangent	27,003								
6+3,096	PCV	6,232	Parábola	5,000								
					-0,217%	0,365%	6+5,596	6,227	0,004	8,587		
6+8,096	PTV	6,236	Tangent	9,201								
6+17,296	PIV	6,269	Tangent	2,448	0,365%	-3,000%	6+17,296	6,269				
6+19,744	PFV	6,196			-3,000%		6+19,744	6,196				
RUA ZILDA RODRIGUES SANTOS												
0+0,000	PPV	5,527	Tangent	4,555		-8,109%	0+0,000	5,527				
0+4,555	PCV	5,157	Parábola	13,753								
					-8,109%	0,787%	0+11,431	4,600	0,153	1,546		
0+18,308	PTV	4,654	Tangent	6,040								
1+4,348	PCV	4,701	Parábola	30,000								
					0,787%	2,658%	1+19,348	4,819	0,070	16,030		
2+14,348	PTV	5,218	Tangent	10,476								
3+4,824	PCV	5,496	Parábola	20,000								
					2,658%	0,837%	3+14,824	5,762	0,046	10,979		
4+4,824	PTV	5,846	Tangent	21,105								
5+5,929	PCV	6,022	Parábola	20,000								
					0,837%	-0,313%	5+15,929	6,106	0,029	17,405		
6+5,929	PTV	6,075	Tangent	38,257								
8+4,186	PCV	5,955	Parábola	30,000								
					-0,313%	0,216%	8+19,186	5,908	0,020	56,763		
9+14,186	PTV	5,941	Tangent	40,345								
11+14,530	PCV	6,028	Parábola	9,893								
					0,216%	3,049%	11+19,477	6,039	0,035	3,492		
12+4,424	PTV	6,189	Tangent	2,560								

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
12+6,984	PCV	6,267	Parábola	11,973								
					3,049%	-0,475%	12+12,970	6,450	0,053	3,397		
12+18,956	PTV	6,422	Tangent	29,744								
14+8,700	PCV	6,280	Parábola	20,000								
					-0,475%	1,169%	14+18,700	6,233	0,041	12,163		
15+8,700	PTV	6,350	Tangent	23,788								
16+12,489	PCV	6,628	Parábola	15,000								
					1,169%	-0,741%	16+19,989	6,715	0,036	7,853		
17+7,489	PTV	6,660	Tangent	47,511								
19+15,000	PCV	6,308	Parábola	50,000								
					-0,741%	1,170%	21+0,000	6,123	0,119	26,170		
22+5,000	PTV	6,415	Tangent	9,038								
22+14,038	PCV	6,521	Parábola	30,000								
					1,170%	0,540%	23+9,038	6,696	0,024	47,655		
24+4,038	PTV	6,777	Tangent	25,552								
25+9,590	PIV	6,915	Tangent	3,505	0,540%	-3,000%	25+9,590	6,915				
25+13,095	PFV	6,810			-3,000%		25+13,095	6,810				
RUA D e RUA A												
0+0,000	PPV	6,056	Tangent	3,037		3,000%	0+0,000	6,056				
0+3,037	PIV	6,147	Tangent	1,963	3,000%	-5,672%	0+3,037	6,147				
0+5,000	PCV	6,036	Parábola	10,000								
					-5,672%	-2,829%	0+10,000	5,752	0,036	3,518		
0+15,000	PTV	5,611	Tangent	27,464								
2+2,464	PCV	4,834	Parábola	20,000								
					-2,829%	-0,555%	2+12,464	4,551	0,057	8,795		
3+2,464	PTV	4,495	Tangent	73,762								
6+16,227	PFV	4,085			-0,555%		6+16,227	4,085				
TRAVESSA 419												
0+0,000	PPV	5,567	Tangent	1,196		3,000%	0+0,000	5,567				

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
0+1,196	PIV	5,603	Tangent	9,083	3,000%	-0,471%	0+1,196	5,603				
0+10,279	PCV	5,560	Parábola	10,000								
					-0,471%	0,487%	0+15,279	5,537	0,012	10,439		
1+0,279	PTV	5,561	Tangent	0,993								
1+1,271	PCV	5,566	Circular	15,000								
					0,487%	-0,011%	1+8,771	5,602	0,009	30,075		
1+16,271	PTV	5,602	Tangent	11,111								
2+7,383	PFV	5,600			-0,011%		2+7,383	5,600				
RUA QUATROCENTOS E DEZENOVE												
0+0,000	PPV	5,331	Tangent	1,098		4,942%	0+0,000	5,331				
0+1,098	PCV	5,385	Parábola	10,070								
					4,942%	-0,899%	0+6,133	5,634	0,074	1,724		
0+11,168	PTV	5,589	Tangent	8,242								
0+19,410	PCV	5,515	Parábola	30,000								
					-0,899%	0,251%	1+14,410	5,380	0,043	26,086		
2+9,410	PTV	5,418	Tangent	11,448								
3+0,858	PCV	5,446	Parábola	10,000								
					0,251%	-0,310%	3+5,858	5,459	0,007	17,847		
3+10,858	PTV	5,443	Tangent	22,381								
4+13,239	PCV	5,374	Parábola	25,000								
					-0,310%	-1,755%	5+5,739	5,335	0,045	17,291		
5+18,239	PTV	5,116	Tangent	9,148								
6+7,387	PCV	4,955	Parábola	30,000								
					-1,755%	-0,098%	7+2,387	4,692	0,062	18,097		
7+17,387	PTV	4,678	Tangent	56,904								
10+14,291	PFV	4,622			-0,098%		10+14,291	4,622				
RUA 20												
0+0,000	PPV	5,326	Tangent	12,977		0,292%	0+0,000	5,326				
0+12,977	PCV	5,364	Parábola	4,001								

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
					0,292%	2,151%	0+14,977	5,370	0,009	2,151		
0+16,978	PTV	5,413	Tangent	1,102								
0+18,080	PIV	5,437	Tangent	1,421	2,151%	-3,000%	0+18,080	5,437				
0+19,501	PFV	5,394			-3,000%		0+19,501	5,394				
RUA QUATROCENTOS E DEZENOVE II												
0+0,000	PPV	5,806	Tangent	2,656		-2,659%	0+0,000	5,806				
0+2,656	PIV	5,735	Tangent	17,909	-2,659%	-5,580%	0+2,656	5,735				
1+0,565	PCV	4,736	Parábola	15,000								
					-5,580%	-1,748%	1+8,065	4,317	0,072	3,915		
1+15,565	PTV	4,186	Tangent	5,131								
2+0,696	PCV	4,097	Parábola	10,003								
					-1,748%	1,780%	2+5,698	4,009	0,044	2,835		
2+10,699	PTV	4,098	Tangent	25,270								
3+15,969	PCV	4,548	Parábola	20,000								
					1,780%	-1,709%	4+5,969	4,726	0,087	5,732		
4+15,969	PTV	4,555	Tangent	17,987								
5+13,956	PCV	4,248	Parábola	10,000								
					-1,709%	-0,553%	5+18,956	4,163	0,014	8,651		
6+3,956	PTV	4,135	Tangent	24,764								
7+8,720	PCV	3,998	Parábola	30,000								
					-0,553%	0,362%	8+3,720	3,915	0,034	32,793		
8+18,720	PTV	3,970	Tangent	104,924								
14+3,644	PCV	4,350	Parábola	30,000								
					0,362%	-0,447%	14+18,644	4,404	0,030	37,068		
15+13,644	PTV	4,337	Tangent	20,626								
16+14,271	PCV	4,245	Parábola	5,000								
					-0,447%	-0,388%	16+16,771	4,233	0,000	84,871		
16+19,271	PTV	4,224	Tangent	24,307								
18+3,578	PCV	4,129	Parábola	10,000								

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
					-0,388%	2,770%	18+8,578	4,110	0,039	3,167		
18+13,578	PTV	4,248	Tangent	10,647								
19+4,225	PIV	4,543	Tangent	3,280	2,770%	-3,000%	19+4,225	4,543				
19+7,505	PIV	4,445	Tangent	3,795	-3,000%	3,000%	19+7,505	4,445				
19+11,300	PIV	4,559	Tangent	17,212	3,000%	-1,032%	19+11,300	4,559				
20+8,512	PCV	4,381	Parábola	30,000								
					-1,032%	0,085%	21+3,512	4,226	0,042	26,859		
21+18,512	PTV	4,239	Tangent	73,988								
25+12,500	PCV	4,302	Parábola	15,000								
					0,085%	0,967%	26+0,000	4,308	0,017	16,994		
26+7,500	PTV	4,381	Tangent	32,522								
28+0,022	PCV	4,695	Parábola	8,000								
					0,967%	-1,215%	28+4,022	4,734	0,022	3,666		
28+8,022	PTV	4,685	Tangent	4,720								
28+12,742	PCV	4,628	Parábola	10,000								
					-1,215%	1,544%	28+17,742	4,567	0,034	3,625		
29+2,742	PTV	4,645	Tangent	3,652								
29+6,394	PIV	4,701	Tangent	1,331	1,544%	-3,000%	29+6,394	4,701				
29+7,725	PFV	4,661			-3,000%		29+7,725	4,661				
RUA QUATROCENTOS E DEZOITO												
0+0,000	PPV	6,432	Tangent	2,765		-0,275%	0+0,000	6,432				
0+2,765	PCV	6,424	Parábola	8,000								
					-0,275%	-7,912%	0+6,765	6,413	0,076	1,048		
0+10,765	PTV	6,097	Tangent	1,234								
0+11,999	PCV	5,999	Parábola	12,830								
					-7,912%	-1,015%	0+18,414	5,492	0,111	1,860		
1+4,829	PTV	5,426	Tangent	10,171								
1+15,000	PCV	5,323	Parábola	10,000								
					-1,015%	-1,754%	2+0,000	5,272	0,009	13,548		

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
2+5,000	PTV	5,185	Tangent	5,834								
2+10,834	PCV	5,082	Parábola	30,000								
					-1,754%	0,360%	3+5,834	4,819	0,079	14,193		
4+0,834	PTV	4,873	Tangent	34,777								
5+15,611	PCV	4,999	Parábola	30,000								
					0,360%	-0,243%	6+10,611	5,053	0,023	49,742		
7+5,611	PTV	5,016	Tangent	30,258								
8+15,869	PCV	4,943	Parábola	25,000								
					-0,243%	1,164%	9+8,369	4,912	0,044	17,764		
10+0,869	PTV	5,058	Tangent	16,051								
10+16,920	PCV	5,245	Parábola	8,000								
					1,164%	-2,327%	11+0,920	5,291	0,035	2,292		
11+4,920	PTV	5,198	Tangent	3,634								
11+8,554	PFV	5,114			-2,327%		11+8,554	5,114				
RUA VINTE E SETE												
0+0,000	PPV	5,368	Tangent	9,975		-2,014%	0+0,000	5,368				
0+9,975	PCV	5,167	Parábola	10,000								
					-2,014%	-0,332%	0+14,975	5,067	0,021	5,945		
0+19,975	PTV	5,050	Tangent	65,150								
4+5,124	PCV	4,834	Parábola	10,000								
					-0,332%	2,408%	4+10,124	4,817	0,034	3,650		
4+15,124	PTV	4,938	Tangent	4,220								
4+19,344	PCV	5,039	Parábola	13,888								
					2,408%	-3,607%	5+6,288	5,207	0,104	2,309		
5+13,232	PTV	4,956	Tangent	15,863								
6+9,095	PCV	4,384	Parábola	10,000								
					-3,607%	1,325%	6+14,095	4,204	0,062	2,028		
6+19,095	PTV	4,270	Tangent	8,847								
7+7,941	PCV	4,387	Circular	10,000								

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
					1,325%	-1,120%	7+12,941	4,453	0,031	4,090		
7+17,941	PTV	4,397	Tangent	2,635								
8+0,576	PCV	4,368	Parábola	10,000								
					-1,120%	0,210%	8+5,576	4,312	0,017	7,521		
8+10,576	PTV	4,322	Tangent	3,099								
8+13,675	PIV	4,329	Tangent	1,865	0,210%	-3,000%	8+13,675	4,329				
8+15,540	PFV	4,273			-3,000%		8+15,540	4,273				
RUA VINTE E OITO												
0+0,000	PPV	5,104	Tangent	2,179		3,000%	0+0,000	5,104				
0+2,179	PIV	5,169	Tangent	2,821	3,000%	-0,423%	0+2,179	5,169				
0+5,000	PCV	5,157	Parábola	10,000								
					-0,423%	0,483%	0+10,000	5,136	0,011	11,034		
0+15,000	PTV	5,160	Tangent	3,962								
0+18,962	PCV	5,180	Parábola	5,001								
					0,483%	4,257%	1+1,463	5,192	0,024	1,325		
1+3,964	PTV	5,298	Tangent	1,501								
1+5,465	PIV	5,362	Tangent	3,435	4,257%	-3,000%	1+5,465	5,362				
1+8,900	PFV	5,259			-3,000%		1+8,900	5,259				
RUA ARLINGTON												
0+0,000	PPV	6,577	Tangent	4,272		-8,387%	0+0,000	6,577				
0+4,272	PCV	6,219	Parábola	25,000								
					-8,387%	-0,284%	0+16,772	5,170	0,253	3,085		
1+9,272	PTV	5,135	Tangent	40,981								
3+10,253	PCV	5,019	Parábola	30,000								
					-0,284%	0,470%	4+5,253	4,976	0,028	39,795		
5+0,253	PTV	5,046	Tangent	77,794								
8+18,047	PCV	5,412	Parábola	20,000								
					0,470%	-1,659%	9+8,047	5,459	0,053	9,393		
9+18,047	PTV	5,293	Tangent	24,453								

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
11+2,500	PCV	4,887	Parábola	15,000								
					-1,659%	-0,581%	11+10,000	4,763	0,020	13,910		
11+17,500	PTV	4,719	Tangent	42,072								
13+19,572	PCV	4,475	Parábola	30,000								
					-0,581%	0,745%	14+14,572	4,388	0,050	22,628		
15+9,572	PTV	4,500	Tangent	41,985								
17+11,558	PCV	4,812	Parábola	10,000								
					0,745%	-0,586%	17+16,558	4,850	0,017	7,515		
18+1,558	PTV	4,820	Tangent	9,678								
18+11,236	PCV	4,764	Parábola	15,000								
					-0,586%	0,582%	18+18,736	4,720	0,022	12,841		
19+6,236	PTV	4,763	Tangent	46,264								
21+12,500	PCV	5,033	Parábola	15,000								
					0,582%	-0,319%	22+0,000	5,077	0,017	16,633		
22+7,500	PTV	5,053	Tangent	24,392								
23+11,892	PCV	4,975	Parábola	5,000								
					-0,319%	2,752%	23+14,392	4,967	0,019	1,628		
23+16,892	PTV	5,035	Tangent	8,164								
24+5,056	PFV	5,260			2,752%		24+5,056	5,260				
RUA OSÉIAS SIMÃO DOS REIS												
0+0,000	PPV	5,935	Tangent	5,559		-2,813%	0+0,000	5,935				
0+5,559	PCV	5,778	Parábola	20,000								
					-2,813%	0,171%	0+15,559	5,497	0,075	6,701		
1+5,559	PTV	5,514	Tangent	31,678								
2+17,236	PCV	5,569	Parábola	20,000								
					0,171%	-1,053%	3+7,236	5,586	0,031	16,334		
3+17,236	PTV	5,480	Tangent	31,234								
5+8,471	PCV	5,151	Parábola	10,002								
					-1,053%	0,874%	5+13,472	5,099	0,024	5,191		

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
5+18,473	PTV	5,142	Tangent	17,922								
6+16,394	PCV	5,299	Parábola	15,001								
					0,874%	-0,380%	7+3,894	5,365	0,024	11,962		
7+11,395	PTV	5,336	Tangent	109,715								
13+1,110	PCV	4,919	Parábola	30,000								
					-0,380%	0,746%	13+16,110	4,862	0,042	26,638		
14+11,110	PTV	4,973	Tangent	21,390								
15+12,500	PCV	5,133	Parábola	15,000								
					0,746%	1,164%	16+0,000	5,189	0,008	35,835		
16+7,500	PTV	5,276	Tangent	8,606								
16+16,106	PCV	5,376	Parábola	20,000								
					1,164%	-0,622%	17+6,106	5,493	0,045	11,195		
17+16,106	PTV	5,431	Tangent	16,504								
18+12,610	PFV	5,328			-0,622%		18+12,610	5,328				
TRAVESSA OSÉIAS												
0+0,000	PPV	4,953	Tangent	13,263		0,326%	0+0,000	4,953				
0+13,263	PCV	4,996	Parábola	15,000								
					0,326%	1,600%	1+0,763	5,021	0,024	11,779		
1+8,263	PTV	5,141	Tangent	6,393								
1+14,656	PCV	5,243	Parábola	10,000								
					1,600%	3,163%	1+19,656	5,323	0,020	6,398		
2+4,656	PTV	5,481	Tangent	0,839								
2+5,495	PIV	5,508	Tangent	2,696	3,163%	-3,000%	2+5,495	5,508				
2+8,191	PFV	5,427			-3,000%		2+8,191	5,427				
TRAVESSA SIMÃO												
0+0,000	PPV	5,083	Tangent	1,378		-3,298%	0+0,000	5,083				
0+1,378	PCV	5,038	Parábola	5,000								
					-3,298%	0,215%	0+3,878	4,955	0,022	1,423		
0+6,378	PTV	4,960	Tangent	16,748								

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
1+3,126	PCV	4,996	Parábola	8,000								
					0,215%	3,530%	1+7,126	5,005	0,033	2,414		
1+11,126	PTV	5,146	Tangent	1,321								
1+12,447	PIV	5,193	Tangent	2,731	3,530%	-3,000%	1+12,447	5,193				
1+15,178	PFV	5,111			-3,000%		1+15,178	5,111				
TRAVESSA REIS												
0+0,000	PPV	5,319	Tangent	4,666		-1,434%	0+0,000	5,319				
0+4,666	PCV	5,252	Parábola	20,000								
					-1,434%	2,044%	0+14,666	5,109	0,087	5,750		
1+4,666	PTV	5,313	Tangent	2,523								
1+7,189	PIV	5,365	Tangent	2,320	2,044%	-3,000%	1+7,189	5,365				
1+9,509	PFV	5,295			-3,000%		1+9,509	5,295				
RUA JONAS SOARES REIS												
0+0,000	PPV	5,067	Tangent	8,591		-0,145%	0+0,000	5,067				
0+8,591	PCV	5,054	Parábola	10,000								
					-0,145%	1,302%	0+13,591	5,047	0,018	6,908		
0+18,591	PTV	5,112	Tangent	9,728								
1+8,319	PIV	5,239	Tangent	3,833	1,302%	-3,000%	1+8,319	5,239				
1+12,152	PIV	5,124	Tangent	4,063	-3,000%	3,000%	1+12,152	5,124				
1+16,215	PIV	5,246	Tangent	80,663	3,000%	-1,128%	1+16,215	5,246				
5+16,878	PIV	4,336	Tangent	3,447	-1,128%	-2,999%	5+16,878	4,336				
6+0,325	PIV	4,233	Tangent	3,135	-2,999%	3,000%	6+0,325	4,233				
6+3,460	PIV	4,327	Tangent	42,486	3,000%	0,598%	6+3,460	4,327				
8+5,946	PCV	4,581	Parábola	15,000								
					0,598%	1,881%	8+13,446	4,626	0,024	11,688		
9+0,946	PTV	4,767	Tangent	26,290								
10+7,236	PCV	5,262	Parábola	20,000								
					1,881%	-1,204%	10+17,236	5,450	0,077	6,481		
11+7,236	PTV	5,329	Tangent	32,764								

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
13+0,000	PCV	4,935	Parábola	40,000								
					-1,204%	0,773%	14+0,000	4,694	0,099	20,233		
15+0,000	PTV	4,848	Tangent	50,216								
17+10,216	PCV	5,236	Parábola	30,000								
					0,773%	5,201%	18+5,216	5,352	0,166	6,774		
19+0,216	PTV	6,132	Tangent	9,185								
19+9,401	PCV	6,610	Parábola	15,000								
					5,201%	-1,786%	19+16,901	7,000	0,131	2,147		
20+4,401	PTV	6,866	Tangent	30,406								
21+14,808	PFV	6,323			-1,786%		21+14,808	6,323				
RUA 25												
0+0,000	PPV	4,188	Tangent	2,871		3,000%	0+0,000	4,188				
0+2,871	PIV	4,274	Tangent	6,944	3,000%	-0,210%	0+2,871	4,274				
0+9,815	PCV	4,260	Parábola	8,000								
					-0,210%	1,315%	0+13,815	4,251	0,015	5,244		
0+17,815	PTV	4,304	Tangent	33,615								
2+11,430	PCV	4,746	Parábola	10,000								
					1,315%	-0,612%	2+16,430	4,812	0,024	5,190		
3+1,430	PTV	4,781	Tangent	12,102								
3+13,532	PCV	4,707	Parábola	15,000								
					-0,612%	4,509%	4+1,032	4,661	0,096	2,929		
4+8,532	PTV	4,999	Tangent	0,695								
4+9,227	PIV	5,031	Tangent	2,357	4,509%	-3,000%	4+9,227	5,031				
4+11,584	PIV	4,960	Tangent	2,463	-3,000%	3,000%	4+11,584	4,960				
4+14,047	PIV	5,034	Tangent	10,953	3,000%	2,413%	4+14,047	5,034				
5+5,000	PCV	5,298	Parábola	30,000								
					2,413%	-2,146%	6+0,000	5,660	0,171	6,581		
6+15,000	PTV	5,338	Tangent	40,656								
8+15,656	PFV	4,466			-2,146%		8+15,656	4,466				

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
11+10,787												
RUA 26												
0+0,000	PPV	4,400	Tangent	7,048		-0,586%	0+0,000	4,400				
0+7,048	PCV	4,358	Parábola	10,000								
					-0,586%	0,381%	0+12,048	4,329	0,012	10,338		
0+17,048	PTV	4,348	Tangent	15,453								
1+12,501	PCV	4,407	Parábola	15,000								
					0,381%	1,830%	2+0,001	4,436	0,027	10,355		
2+7,501	PTV	4,573	Tangent	2,695								
2+10,196	PCV	4,622	Parábola	10,000								
					1,830%	-0,253%	2+15,196	4,714	0,026	4,801		
3+0,196	PTV	4,701	Tangent	12,773								
3+12,969	PCV	4,669	Parábola	10,000								
					-0,253%	6,029%	3+17,969	4,656	0,079	1,592		
4+2,969	PTV	4,957	Tangent	2,650								
4+5,619	PIV	5,117	Tangent	3,438	6,029%	-3,000%	4+5,619	5,117				
4+9,057	PFV	5,014			-3,000%		4+9,057	5,014				
RUA ALECRIM												
0+0,000	PPV	4,160	Tangent	2,993		3,000%	0+0,000	4,160				
0+2,993	PIV	4,250	Tangent	82,398	3,000%	0,988%	0+2,993	4,250				
4+5,391	PCV	5,064	Parábola	25,000								
					0,988%	-0,684%	4+17,891	5,187	0,052	14,954		
5+10,391	PTV	5,102	Tangent	10,561								
6+0,952	PCV	5,030	Parábola	8,000								
					-0,684%	0,675%	6+4,952	5,002	0,014	5,887		
6+8,952	PTV	5,029	Tangent	17,787								
7+6,739	PFV	5,149			0,675%		7+6,739	5,149				
10+11,699												
RUA PROFESSOR GUIOMAR												

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
0+0,000	PPV	6,362	Tangent	2,913		2,507%	0+0,000	6,362				
0+2,913	PIV	6,435	Tangent	1,784	2,507%	-11,783%	0+2,913	6,435				
0+4,696	PCV	6,225	Parábola	20,000								
					-11,783%	-0,775%	0+14,696	5,047	0,275	1,817		
1+4,696	PTV	4,969	Tangent	17,989								
2+2,685	PCV	4,830	Parábola	25,000								
					-0,775%	0,701%	2+15,185	4,733	0,046	16,939		
3+7,685	PTV	4,820	Tangent	42,990								
5+10,675	PCV	5,121	Parábola	10,000								
					0,701%	-0,112%	5+15,675	5,156	0,010	12,303		
6+0,675	PTV	5,151	Tangent	72,156								
9+12,830	PFV	5,070			-0,112%		9+12,830	5,070				
TRAVESSA PROFESSOR GUIOMAR												
0+0,000	PPV	4,947	Tangent	6,596		0,742%	0+0,000	4,947				
0+6,596	PCV	4,996	Parábola	10,000								
					0,742%	-0,703%	0+11,596	5,033	0,018	6,922		
0+16,596	PTV	4,998	Tangent	1,856								
0+18,452	PIV	4,985	Tangent	4,350	-0,703%	-3,000%	0+18,452	4,985				
1+2,802	PFV	4,854			-3,000%		1+2,802	4,854				
RUA B (2)												
0+0,000	PPV	6,523	Tangent	4,187		-3,000%	0+0,000	6,523				
0+4,187	PIV	6,397	Tangent	7,790	-3,000%	1,132%	0+4,187	6,397				
0+11,977	PCV	6,486	Parábola	15,000								
					1,132%	-0,329%	0+19,477	6,571	0,027	10,267		
1+6,977	PTV	6,546	Tangent	51,492								
3+18,469	PCV	6,377	Parábola	30,000								
					-0,329%	0,899%	4+13,469	6,327	0,046	24,430		
5+8,469	PTV	6,462	Tangent	10,035								
5+18,504	PCV	6,553	Parábola	15,000								

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
					0,899%	-1,232%	6+6,004	6,620	0,040	7,038		
6+13,504	PTV	6,528	Tangent	1,560								
6+15,064	PIV	6,508	Tangent	4,787	-1,232%	3,000%	6+15,064	6,508				
6+19,851	PFV	6,652			3,000%		6+19,851	6,652				
RUA C (2)												
0+0,000	PPV	5,113	Tangent	4,379		-2,580%	0+0,000	5,113				
0+4,379	PIV	5,000	Tangent	7,646	-2,580%	2,368%	0+4,379	5,000				
0+12,025	PCV	5,181	Parábola	10,000								
					2,368%	1,132%	0+17,025	5,299	0,015	8,087		
1+2,025	PTV	5,356	Tangent	3,397								
1+5,423	PCV	5,395	Parábola	20,000								
					1,132%	-0,738%	1+15,423	5,508	0,047	10,695		
2+5,423	PTV	5,434	Tangent	5,857								
2+11,280	PCV	5,391	Parábola	10,000								
					-0,738%	0,412%	2+16,280	5,354	0,014	8,692		
3+1,280	PTV	5,374	Tangent	21,220								
4+2,500	PCV	5,462	Parábola	15,000								
					0,412%	-0,142%	4+10,000	5,493	0,010	27,052		
4+17,500	PTV	5,482	Tangent	101,203								
9+18,703	PCV	5,338	Parábola	30,000								
					-0,142%	3,691%	10+13,703	5,317	0,144	7,827		
11+8,703	PTV	5,870	Tangent	10,953								
11+19,656	PFV	6,274			3,691%		11+19,656	6,274				
RUA D (2)												
0+0,000	PPV	6,679	Tangent	1,980		0,957%	0+0,000	6,679				
0+1,980	PCV	6,698	Parábola	10,000								
					0,957%	-3,023%	0+6,980	6,745	0,050	2,512		
0+11,980	PTV	6,594	Tangent	1,217								
0+13,197	PCV	6,557	Parábola	10,000								

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
					-3,023%	-0,633%	0+18,197	6,406	0,030	4,184		
1+3,197	PTV	6,375	Tangent	16,022								
1+19,219	PCV	6,273	Parábola	20,000								
					-0,633%	-4,460%	2+9,219	6,210	0,096	5,227		
2+19,219	PTV	5,764	Tangent	10,711								
3+9,930	PIV	5,286	Tangent	4,529	-4,460%	3,000%	3+9,930	5,286				
3+14,459	PFV	5,422			3,000%		3+14,459	5,422				
TRAVESSA JOSÉ FRANCISCO MATOS												
0+0,000	PPV	5,932	Tangent	31,083		-0,540%	0+0,000	5,932				
1+11,083	PCV	5,764	Parábola	10,000								
					-0,540%	3,882%	1+16,083	5,737	0,055	2,261		
2+1,083	PTV	5,931	Tangent	1,996								
2+3,079	PCV	6,009	Parábola	40,007								
					3,882%	-1,584%	3+3,083	6,785	0,273	7,320		
4+3,086	PTV	6,469	Tangent	21,914								
5+5,000	PCV	6,121	Parábola	10,000								
					-1,584%	-2,724%	5+10,000	6,042	0,014	8,768		
5+15,000	PTV	5,906	Tangent	20,573								
6+15,573	PCV	5,346	Parábola	20,000								
					-2,724%	-1,069%	7+5,573	5,073	0,041	12,084		
7+15,573	PTV	4,966	Tangent	36,178								
9+11,751	PCV	4,579	Parábola	26,021								
					-1,069%	6,895%	10+4,762	4,440	0,259	3,267		
10+17,772	PTV	5,337	Tangent	3,899								
11+1,671	PFV	5,606			6,895%		11+1,671	5,606				
TRAVESSA AYRTON SENNA												
0+0,000	PPV	6,705	Tangent	4,867		-2,775%	0+0,000	6,705				
0+4,867	PCV	6,570	Parábola	5,000								
					-2,775%	0,318%	0+7,367	6,501	0,019	1,617		

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
0+9,867	PTV	6,508	Tangent	6,918								
0+16,785	PCV	6,530	Parábola	19,995								
					0,318%	-3,494%	1+6,783	6,562	0,095	5,246		
1+16,780	PTV	6,213	Tangent	22,734								
2+19,514	PCV	5,419	Parábola	15,000								
					-3,494%	0,491%	3+7,014	5,156	0,075	3,764		
3+14,514	PTV	5,193	Tangent	16,112								
4+10,626	PCV	5,272	Parábola	10,000								
					0,491%	-2,954%	4+15,626	5,297	0,043	2,903		
5+0,626	PTV	5,149	Tangent	20,134								
6+0,760	PCV	4,554	Parábola	10,001								
					-2,954%	0,517%	6+5,761	4,407	0,043	2,881		
6+10,762	PTV	4,433	Tangent	9,499								
7+0,261	PCV	4,482	Parábola	10,000								
					0,517%	14,736%	7+5,261	4,508	0,178	0,703		
7+10,261	PTV	5,244	Tangent	1,080								
7+11,341	PCV	5,404	Parábola	3,010								
					14,736%	0,351%	7+12,846	5,625	0,054	0,209		
7+14,351	PTV	5,631	Tangent	0,094								
7+14,446	PFV	5,631			0,351%		7+14,446	5,631				
RUA IATE												
0+0,000	PPV	5,627	Tangent	2,389		-3,000%	0+0,000	5,627				
0+2,389	PIV	5,555	Tangent	12,121	-3,000%	1,734%	0+2,389	5,555				
0+14,510	PCV	5,765	Parábola	20,000								
					1,734%	2,660%	1+4,510	5,939	0,023	21,593		
1+14,510	PTV	6,205	Tangent	15,211								
2+9,720	PCV	6,609	Parábola	20,219								
					2,660%	-4,286%	2+19,830	6,878	0,176	2,911		
3+9,940	PTV	6,445	Tangent	11,909								

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
4+1,848	PCV	5,935	Parábola	20,062								
					-4,286%	-1,585%	4+11,879	5,505	0,068	7,427		
5+1,910	PTV	5,346	Tangent	19,307								
6+1,217	PCV	5,040	Parábola	5,000								
					-1,585%	-3,801%	6+3,717	5,000	0,014	2,256		
6+6,217	PTV	4,905	Tangent	0,547								
6+6,765	PCV	4,884	Parábola	30,000								
					-3,801%	0,214%	7+1,765	4,314	0,151	7,471		
7+16,765	PTV	4,346	Tangent	26,003								
9+2,768	PCV	4,402	Parábola	15,000								
					0,214%	3,770%	9+10,268	4,418	0,067	4,219		
9+17,768	PTV	4,701	Tangent	24,011								
11+1,779	PFV	5,606			3,770%		11+1,779	5,606				
TRAVESSA IATE												
0+0,000	PPV	5,653	Tangent	11,863		1,000%	0+0,000	5,653				
0+11,863	PCV	5,772	Parábola	15,000								
					1,000%	-1,210%	0+19,363	5,847	0,041	6,790		
1+6,863	PTV	5,756	Tangent	5,954								
1+12,817	PCV	5,684	Parábola	10,000								
					-1,210%	0,997%	1+17,817	5,624	0,028	4,533		
2+2,817	PTV	5,673	Tangent	21,931								
3+4,748	PCV	5,892	Parábola	20,000								
					0,997%	-0,775%	3+14,748	5,992	0,044	11,288		
4+4,748	PTV	5,914	Tangent	24,110								
5+8,857	PCV	5,727	Parábola	10,000								
					-0,775%	-0,169%	5+13,857	5,688	0,008	16,495		
5+18,857	PTV	5,680	Tangent	8,838								
6+7,695	PCV	5,665	Parábola	5,000								
					-0,169%	-5,568%	6+10,195	5,661	0,034	0,926		

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
6+12,695	PTV	5,522	Tangent	3,325								
6+16,020	PFV	5,337			-5,568%		6+16,020	5,337				
RUA SANTANA DO LIVRAMENTO												
0+0,000	PPV	5,331	Tangent	9,999		-3,359%	0+0,000	5,331				
0+9,999	PCV	4,995	Parábola	80,001								
					-3,359%	2,617%	2+10,000	3,652	0,598	13,387		
4+10,001	PTV	4,698	Tangent	2,499								
4+12,500	PCV	4,764	Parábola	15,000								
					2,617%	6,450%	5+0,000	4,960	0,072	3,913		
5+7,500	PTV	5,444	Tangent	6,379								
5+13,879	PCV	5,855	Parábola	15,000								
					6,450%	0,312%	6+1,379	6,339	0,115	2,444		
6+8,879	PTV	6,363	Tangent	18,483								
7+7,362	PCV	6,420	Parábola	14,951								
					0,312%	2,757%	7+14,838	6,444	0,046	6,116		
8+2,313	PTV	6,650	Tangent	2,676								
8+4,989	PCV	6,723	Parábola	15,000								
					2,757%	-6,498%	8+12,489	6,930	0,174	1,621		
8+19,989	PTV	6,443	Tangent	14,018								
9+14,007	PCV	5,532	Parábola	13,932								
					-6,498%	-1,014%	10+0,972	5,079	0,096	2,540		
10+7,938	PTV	5,008	Tangent	65,104								
13+13,042	PCV	4,348	Parábola	30,000								
					-1,014%	3,801%	14+8,042	4,196	0,181	6,230		
15+3,042	PTV	4,766	Tangent	8,272								
15+11,314	PCV	5,081	Parábola	10,000								
					3,801%	1,651%	15+16,314	5,271	0,027	4,650		
16+1,314	PTV	5,353	Tangent	70,715								
19+12,029	PFV	6,520			1,651%		19+12,029	6,520				

**ELEMENTOS VERTICAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
TRAVESSA SANTANA DO LIVRAMENTO												
0+0,000	PPV	6,570	Tangent	9,851		0,828%	0+0,000	6,570				
0+9,851	PCV	6,651	Parábola	5,000								
					0,828%	-0,857%	0+12,351	6,672	0,011	2,966		
0+14,851	PTV	6,651	Tangent	31,567								
2+6,418	PCV	6,380	Parábola	10,000								
					-0,857%	1,867%	2+11,418	6,337	0,034	3,671		
2+16,418	PTV	6,430	Tangent	6,016								
3+2,433	PIV	6,543	Tangent	1,792	1,867%	-3,000%	3+2,433	6,543				
3+4,225	PFV	6,489			-3,000%		3+4,225	6,489				
RUA A (3)												
0+0,000	PPV	5,622	Tangent	11,968		4,985%	0+0,000	5,622				
0+11,968	PCV	6,219	Parábola	19,986								
					4,985%	-4,240%	1+1,961	6,717	0,230	2,167		
1+11,954	PTV	6,293	Tangent	29,225								
3+1,178	PCV	5,054	Parábola	19,874								
					-4,240%	-0,058%	3+11,116	4,632	0,104	4,752		
4+1,053	PTV	4,627	Tangent	12,499								
4+13,552	PCV	4,619	Parábola	15,000								
					-0,058%	-1,271%	5+1,052	4,615	0,023	12,369		
5+8,552	PTV	4,520	Tangent	13,382								
6+1,934	PCV	4,350	Parábola	5,000								
					-1,271%	3,000%	6+4,434	4,318	0,027	1,171		
6+6,934	PTV	4,393	Tangent	1,860								
6+8,794	PFV	4,449			3,000%		6+8,794	4,449				
RUA B (3) e RUA F												
0+0,000	PPV	5,518	Tangent	36,824		2,338%	0+0,000	5,518				
1+16,824	PCV	6,379	Parábola	14,996								
					2,338%	-2,553%	2+4,322	6,554	0,092	3,065		

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
2+11,820	PTV	6,363	Tangent	11,431								
3+3,250	PCV	6,071	Parábola	8,000								
					-2,553%	-7,526%	3+7,250	5,969	0,050	1,609		
3+11,250	PTV	5,668	Tangent	5,832								
3+17,082	PCV	5,229	Parábola	19,562								
					-7,526%	-0,492%	4+6,863	4,493	0,172	2,781		
4+16,644	PTV	4,445	Tangent	9,323								
5+5,966	PCV	4,399	Parábola	10,000								
					-0,492%	-0,024%	5+10,966	4,374	0,006	21,402		
5+15,966	PTV	4,373	Tangent	9,931								
6+5,897	PCV	4,371	Parábola	5,000								
					-0,024%	-0,813%	6+8,397	4,370	0,005	6,338		
6+10,897	PTV	4,350	Tangent	20,965								
7+11,862	PCV	4,179	Parábola	10,000								
					-0,813%	1,216%	7+16,862	4,139	0,025	4,927		
8+1,862	PTV	4,200	Tangent	22,017								
9+3,880	PCV	4,467	Parábola	10,000								
					1,216%	-0,666%	9+8,880	4,528	0,024	5,312		
9+13,880	PTV	4,495	Tangent	45,589								
11+19,469	PCV	4,191	Parábola	10,000								
					-0,666%	1,288%	12+4,469	4,158	0,024	5,117		
12+9,469	PTV	4,222	Tangent	8,497								
12+17,965	PCV	4,332	Parábola	10,000								
					1,288%	-1,000%	13+2,965	4,396	0,029	4,371		
13+7,965	PTV	4,346	Tangent	19,528								
14+7,494	PCV	4,151	Parábola	24,860								
					-1,000%	4,434%	14+19,923	4,027	0,169	4,575		
15+12,353	PTV	4,578	Tangent	5,387								
15+17,740	PFV	4,817			4,434%		15+17,740	4,817				

ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
RUA D (3)												
0+0,000	PPV	5,834	Tangent	2,622		3,264%	0+0,000	5,834				
0+2,622	PCV	5,919	Parábola	10,000								
					3,264%	-1,008%	0+7,622	6,082	0,053	2,341		
0+12,622	PTV	6,032	Tangent	30,592								
2+3,215	PCV	5,724	Parábola	20,000								
					-1,008%	-4,641%	2+13,215	5,623	0,091	5,505		
3+3,215	PTV	5,159	Tangent	11,404								
3+14,618	PCV	4,629	Parábola	15,000								
					-4,641%	-0,574%	4+2,118	4,281	0,076	3,687		
4+9,618	PTV	4,238	Tangent	30,445								
6+0,063	PIV	4,064	Tangent	4,178	-0,574%	3,000%	6+0,063	4,064				
6+4,241	PFV	4,189			3,000%		6+4,241	4,189				
RUA JOSÉ OLIVEIRA												
0+0,000	PPV	5,967	Tangent	11,133		-3,367%	0+0,000	5,967				
0+11,133	PCV	5,593	Parábola	10,008								
					-3,367%	-0,673%	0+16,136	5,424	0,034	3,715		
1+1,140	PTV	5,390	Tangent	31,360								
2+12,500	PCV	5,179	Parábola	15,000								
					-0,673%	0,305%	3+0,000	5,129	0,018	15,328		
3+7,500	PTV	5,152	Tangent	12,500								
4+0,000	PCV	5,190	Parábola	20,000								
					0,305%	0,684%	4+10,000	5,220	0,009	52,778		
5+0,000	PTV	5,289	Tangent	17,012								
5+17,012	PCV	5,405	Parábola	20,000								
					0,684%	-0,774%	6+7,012	5,474	0,036	13,721		
6+17,012	PTV	5,396	Tangent	20,837								
7+17,849	PCV	5,235	Parábola	15,000								
					-0,774%	0,067%	8+5,349	5,177	0,016	17,847		

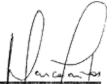
ELEMENTOS VERTICAIS DE LOCAÇÃO BAIRRO MOSQUEIRO

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
8+12,849	PTV	5,182	Tangent	22,482								
9+15,332	PCV	5,197	Parábola	5,000								
					0,067%	1,528%	9+17,832	5,199	0,009	3,423		
10+0,332	PTV	5,237	Tangent	9,331								
10+9,663	PFV	5,380			1,528%		10+9,663	5,380				
RUA 23												
0+0,000	PPV	4,345	Tangent	13,424		-1,000%	0+0,000	4,345				
0+13,424	PCV	4,210	Parábola	20,000								
					-1,000%	1,101%	1+3,424	4,110	0,053	9,520		
1+13,424	PTV	4,220	Tangent	2,838								
1+16,262	PCV	4,252	Parábola	10,000								
					1,101%	-0,124%	2+1,262	4,307	0,015	8,161		
2+6,262	PTV	4,301	Tangent	36,238								
4+2,500	PCV	4,255	Parábola	15,000								
					-0,124%	1,005%	4+10,000	4,246	0,021	13,277		
4+17,500	PTV	4,322	Tangent	4,791								
5+2,291	PCV	4,370	Parábola	15,000								
					1,005%	-1,146%	5+9,791	4,445	0,040	6,973		
5+17,291	PTV	4,359	Tangent	18,436								
6+15,728	PCV	4,148	Parábola	10,000								
					-1,146%	0,676%	7+0,728	4,091	0,023	5,490		
7+5,728	PTV	4,125	Tangent	14,760								
8+0,487	PCV	4,224	Parábola	5,000								
					0,676%	5,427%	8+2,987	4,241	0,030	1,052		
8+5,487	PTV	4,377	Tangent	7,975								
8+13,462	PCV	4,810	Parábola	4,000								
					5,427%	-4,485%	8+15,462	4,918	0,050	0,404		
8+17,462	PTV	4,829	Tangent	0,486								
8+17,948	PFV	4,807			-4,485%		8+17,948	4,807				

**ELEMENTOS VERTICAIS DE LOCAÇÃO
BAIRRO MOSQUEIRO**

ESTACA	PONTO	COTA	ELEMENTO		GREIDE INICIAL	GREIDE FINAL	DADOS DE CURVA VERTICAL					
							PIV		Parâmetros		Eprimentos de Curva Assimétrica	
			TIPO	EPRIM.			ESTACA	COTA	e	K	L1	L2
EIXO DO CANAL												
0+0,000	PPV	0,806	Tangent	1.758,190		0,029%	0+0,000	0,806				
87+18,189		1,317										
EIXO AUXILIAR 01												
0+0,000	PPV	0,949	Tangent	9,411		0,011%	0+0,000	0,949				
0+9,411	PFV	0,950			0,011%		0+9,411	0,950				
EIXO AUXILIAR 02												
0+0,000	PPV	0,956	Tangent	9,411		0,011%	0+0,000	0,956				
0+9,411	PFV	0,957			0,011%		0+9,411	0,957				
EIXO AUXILIAR 03												
0+0,000	PPV	1,193	Tangent	9,425		0,011%	0+0,000	1,193				
0+9,425	PFV	1,194			0,011%		0+9,425	1,194				
EIXO AUXILIAR 04												
0+0,000	PPV	1,246	Tangent	9,425		0,011%	0+0,000	1,246				
0+9,425	PFV	1,247			0,011%		0+9,425	1,247				
EIXO AUXILIAR 05												
0+0,000	PPV	1,316	Tangent	9,425		0,011%	0+0,000	1,316				
0+9,425	PFV	1,317			0,011%		0+9,425	1,317				

CAPÍTULO 5.0
NOTA DE SERVIÇO


José Marcos de Macedo Santos
Eng. Civil CREA 2781762160

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
RUA JOSÉ ALMERINDO DOS SANTOS												
0+2,837	-2,970	4,770	-2,968	4,551	3,000%	4,462	4,846	2,646	4,491	3,000%	2,668	4,868
0+10,000	-2,123	4,756	-2,120	4,371	3,000%	4,307	4,723	2,120	4,371	3,000%	2,123	4,712
0+14,777	-2,123	4,676	-2,120	4,291	3,000%	4,227	4,675	2,120	4,291	3,000%	2,123	4,672
1+0,000	-2,124	4,675	-2,120	4,256	3,000%	4,192	4,655	2,120	4,256	3,000%	2,124	4,670
1+10,000	-2,124	4,688	-2,120	4,240	3,000%	4,177	4,615	2,120	4,240	3,000%	2,124	4,683
2+0,000	-2,125	4,732	-2,120	4,225	3,000%	4,161	4,644	2,120	4,225	3,000%	2,124	4,679
2+2,993	-2,125	4,746	-2,120	4,220	3,000%	4,156	4,653	2,120	4,220	3,000%	2,124	4,675
2+9,363	-2,125	4,748	-2,120	4,210	3,000%	4,146	4,659	2,120	4,210	3,000%	2,124	4,665
2+10,000	-2,125	4,747	-2,120	4,209	3,000%	4,145	4,654	2,120	4,209	3,000%	2,124	4,663
3+0,000	-2,125	4,713	-2,120	4,193	3,000%	4,129	4,592	2,120	4,193	3,000%	2,124	4,665
3+10,000	-2,125	4,700	-2,120	4,178	3,000%	4,114	4,638	2,120	4,178	3,000%	2,125	4,731
4+0,000	-2,125	4,681	-2,120	4,176	3,000%	4,112	4,660	2,120	4,176	3,000%	2,126	4,802
4+0,588	-2,125	4,683	-2,120	4,176	3,000%	4,112	4,660	2,120	4,176	3,000%	2,126	4,806
4+10,000	-2,125	4,764	-2,120	4,191	3,000%	4,127	4,682	2,120	4,191	3,000%	2,125	4,741
5+0,000	-2,125	4,751	-2,120	4,211	3,000%	4,148	4,736	2,120	4,211	3,000%	2,125	4,758
5+10,000	-2,125	4,733	-2,120	4,232	3,000%	4,168	4,717	2,120	4,232	3,000%	2,125	4,756
5+16,384	-2,124	4,712	-2,120	4,244	3,000%	4,181	4,712	2,120	4,244	3,000%	2,124	4,725
6+0,000	-2,124	4,713	-2,120	4,252	3,000%	4,188	4,710	2,120	4,252	3,000%	2,124	4,708
6+10,000	-2,124	4,710	-2,120	4,272	3,000%	4,208	4,711	2,120	4,272	3,000%	2,125	4,774
7+0,000	-2,125	4,824	-2,120	4,292	3,000%	4,229	4,714	2,120	4,292	3,000%	2,124	4,769
7+10,000	-2,124	4,775	-2,120	4,313	3,000%	4,249	4,693	2,120	4,313	3,000%	2,124	4,806
8+0,000	-2,124	4,796	-2,120	4,330	3,000%	4,266	4,765	2,120	4,330	3,000%	2,124	4,806
8+10,000	-2,124	4,791	-2,120	4,324	3,000%	4,260	4,770	2,120	4,324	3,000%	2,124	4,760
8+14,438	-2,124	4,763	-2,120	4,313	3,000%	4,250	4,754	2,120	4,313	3,000%	2,124	4,746
9+0,000	-3,263	4,741	-3,260	4,327	3,000%	4,229	4,734	2,120	4,292	3,000%	2,124	4,731
9+0,236	-3,435	4,736	-3,432	4,331	3,000%	4,228	4,733	2,120	4,291	3,000%	2,124	4,730
9+4,073	-2,286	4,829	-2,281	4,277	3,000%	4,209	4,713	2,120	4,272	3,000%	2,124	4,719
9+8,717	-2,125	4,810	-2,120	4,246	3,000%	4,182	4,688	2,120	4,246	3,000%	2,124	4,706
9+10,000	-2,125	4,795	-2,120	4,238	3,000%	4,175	4,681	2,120	4,238	3,000%	2,124	4,698
9+17,686	-2,124	4,662	-2,120	4,194	3,000%	4,131	4,638	2,120	4,194	3,000%	2,124	4,649
10+0,000	-2,124	4,628	-2,120	4,181	3,000%	4,117	4,624	2,120	4,181	3,000%	2,124	4,636
10+10,000	-2,125	4,697	-2,120	4,123	3,000%	4,060	4,567	2,120	4,123	3,000%	2,124	4,589
10+13,637	-2,126	4,728	-2,120	4,102	3,000%	4,039	4,542	2,120	4,102	3,000%	2,124	4,567
11+0,000	-2,126	4,719	-2,120	4,066	3,000%	4,002	4,503	2,120	4,066	3,000%	2,124	4,538
11+9,893	-2,125	4,568	-2,120	4,028	3,000%	3,964	4,534	2,120	4,028	3,000%	2,125	4,545
11+10,000	-2,125	4,567	-2,120	4,028	3,000%	3,964	4,533	2,120	4,028	3,000%	2,125	4,545
11+17,982	-2,125	4,527	-2,120	4,025	3,000%	3,962	4,510	2,120	4,025	3,000%	2,125	4,552
12+0,000	-2,124	4,506	-2,120	4,028	3,000%	3,965	4,513	2,120	4,028	3,000%	2,126	4,660
12+7,222	-2,124	4,465	-2,120	4,043	3,000%	3,979	4,531	2,120	4,043	3,000%	2,124	4,542
12+10,000	-2,124	4,479	-2,120	4,048	3,000%	3,985	4,517	2,120	4,048	3,000%	2,124	4,529
12+19,411	-2,124	4,487	-2,120	4,067	3,000%	4,003	4,516	2,120	4,067	3,000%	2,124	4,531
13+0,000	-2,124	4,484	-2,120	4,068	3,000%	4,005	4,516	2,120	4,068	3,000%	2,124	4,530
13+3,948	-2,124	4,498	-2,120	4,077	3,000%	4,013	4,514	2,120	4,077	3,000%	2,124	4,527
13+10,000	-2,124	4,505	-2,120	4,103	3,000%	4,039	4,519	2,131	4,103	3,000%	2,135	4,581
13+15,086	-2,123	4,496	-2,120	4,138	3,000%	4,075	4,560	2,213	4,141	3,000%	2,217	4,549
14+0,000	-2,124	4,621	-2,120	4,184	3,000%	4,120	4,601	2,120	4,184	3,000%	2,123	4,562

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
14+10,000	-2,125	4,860	-2,120	4,298	3,000%	4,234	4,714	2,120	4,298	3,000%	2,123	4,690
14+15,036	-2,125	4,949	-2,120	4,351	3,000%	4,287	4,772	2,120	4,351	3,000%	2,124	4,816
14+19,783	-2,126	5,041	-2,120	4,369	3,000%	4,306	4,826	2,120	4,369	3,000%	2,124	4,858
15+0,000	-2,126	5,046	-2,120	4,369	3,000%	4,306	4,829	2,120	4,369	3,000%	2,124	4,862
15+10,000	-2,126	4,958	-2,120	4,296	3,000%	4,232	4,724	2,120	4,296	3,000%	2,126	4,973
15+15,399	-2,126	4,884	-2,120	4,232	3,000%	4,169	4,664	2,120	4,232	3,000%	2,125	4,822
16+0,000	-2,127	4,917	-2,120	4,178	3,000%	4,115	4,609	2,120	4,178	3,000%	2,124	4,601
16+10,000	-2,126	4,662	-2,120	4,060	3,000%	3,997	4,474	2,120	4,060	3,000%	2,124	4,471
16+14,191	-2,125	4,550	-2,120	4,011	3,000%	3,947	4,410	2,120	4,011	3,000%	2,124	4,413
17+0,000	-2,125	4,481	-2,120	3,943	3,000%	3,879	4,390	2,304	3,948	3,000%	2,307	4,352
17+10,000	-2,625	4,388	-2,620	3,885	3,000%	3,806	4,291	2,620	3,885	3,000%	2,625	4,388
18+0,000	-2,624	4,373	-2,620	3,926	3,000%	3,847	4,371	2,620	3,926	3,000%	2,624	4,413
18+10,000	-2,624	4,445	-2,620	3,972	3,000%	3,893	4,402	2,620	3,972	3,000%	2,624	4,403
18+14,288	-2,624	4,449	-2,620	3,992	3,000%	3,913	4,404	2,620	3,992	3,000%	2,624	4,410
19+0,000	-2,624	4,510	-2,620	4,018	3,000%	3,939	4,430	2,620	4,018	3,000%	2,624	4,479
19+10,000	-2,625	4,614	-2,620	4,064	3,000%	3,985	4,458	2,620	4,064	3,000%	2,624	4,561
20+0,000	-2,625	4,679	-2,620	4,110	3,000%	4,031	4,473	2,620	4,110	3,000%	2,624	4,538
20+10,000	-2,625	4,729	-2,620	4,156	3,000%	4,077	4,514	2,620	4,156	3,000%	2,624	4,582
21+0,000	-2,625	4,752	-2,620	4,202	3,000%	4,124	4,567	2,620	4,202	3,000%	2,624	4,657
21+10,000	-2,623	4,638	-2,620	4,248	3,000%	4,170	4,675	2,620	4,248	3,000%	2,624	4,684
21+13,557	-2,623	4,654	-2,620	4,265	3,000%	4,186	4,694	2,620	4,265	3,000%	2,624	4,694
22+0,000	-2,624	4,730	-2,620	4,294	3,000%	4,216	4,720	2,620	4,294	3,000%	2,624	4,739
22+10,000	-2,624	4,833	-2,620	4,340	3,000%	4,261	4,751	2,620	4,340	3,000%	2,625	4,843
22+13,238	-2,624	4,850	-2,620	4,353	3,000%	4,275	4,762	2,620	4,353	3,000%	2,625	4,869
23+0,000	-2,623	4,773	-2,620	4,381	3,000%	4,302	4,783	2,620	4,381	3,000%	2,625	4,884
23+10,000	-2,624	4,829	-2,620	4,417	3,000%	4,338	4,811	2,620	4,417	3,000%	2,624	4,904
24+0,000	-2,624	4,857	-2,620	4,448	3,000%	4,370	4,812	2,620	4,448	3,000%	2,624	4,910
24+10,000	-2,623	4,864	-2,620	4,475	3,000%	4,396	4,852	2,620	4,475	3,000%	2,623	4,874
25+0,000	-2,624	4,934	-2,620	4,497	3,000%	4,419	4,894	2,620	4,497	3,000%	2,624	4,912
25+10,000	-2,624	4,957	-2,620	4,519	3,000%	4,440	4,946	2,620	4,519	3,000%	2,624	4,993
26+0,000	-2,624	5,038	-2,620	4,541	3,000%	4,462	4,900	2,620	4,541	3,000%	2,625	5,069
26+10,000	-2,625	5,078	-2,620	4,563	3,000%	4,484	4,933	2,620	4,563	3,000%	2,625	5,162
27+0,000	-2,624	5,077	-2,620	4,585	3,000%	4,506	5,034	2,620	4,585	3,000%	2,626	5,211
27+1,748	-2,624	5,083	-2,620	4,588	3,000%	4,510	5,043	2,620	4,588	3,000%	2,626	5,213
27+10,000	-2,625	5,108	-2,620	4,607	3,000%	4,528	5,096	2,435	4,601	3,000%	2,441	5,248
27+17,573	-2,625	5,129	-2,620	4,623	3,000%	4,544	5,120	2,196	4,610	3,000%	2,202	5,248
28+0,000	-2,625	5,135	-2,620	4,628	3,000%	4,550	5,122	2,138	4,614	3,000%	2,144	5,243
28+10,000	-2,624	5,091	-2,620	4,650	3,000%	4,572	5,116	2,119	4,635	3,000%	2,124	5,194
29+0,000	-2,124	5,087	-2,120	4,658	3,000%	4,595	5,085	1,620	4,643	3,000%	1,624	5,109
29+10,000	-2,466	5,134	-2,462	4,700	3,000%	4,626	5,060	1,620	4,674	3,000%	1,624	5,119
30+0,000	-2,125	5,283	-2,120	4,729	3,000%	4,665	5,179	1,620	4,714	3,000%	1,624	5,163
30+10,000	-2,126	5,370	-2,120	4,769	3,000%	4,706	5,235	1,620	4,754	3,000%	1,624	5,209
31+0,000	-2,125	5,355	-2,120	4,810	3,000%	4,746	5,297	1,620	4,795	3,000%	1,625	5,301
31+10,000	-2,124	5,346	-2,120	4,850	3,000%	4,787	5,307	1,620	4,835	3,000%	1,625	5,351
32+0,000	-2,124	5,323	-2,120	4,891	3,000%	4,827	5,334	1,620	4,876	3,000%	1,625	5,380
32+10,000	-2,124	5,398	-2,120	4,977	3,000%	4,913	5,400	1,620	4,962	3,000%	1,624	5,441
33+0,000	-2,125	5,623	-2,120	5,123	3,000%	5,059	5,554	1,620	5,108	3,000%	1,625	5,616
33+3,371	-2,004	5,638	-2,000	5,173	3,000%	5,113	5,592	0,110	5,116	3,000%	0,114	5,590

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
RUA 21												
0+0,000	-2,324	6,948	-2,320	6,481	3,000%	6,411	6,891	2,320	6,481	3,000%	2,323	6,361
0+10,000	-2,324	6,453	-2,320	5,958	3,000%	5,889	6,364	2,320	5,958	3,000%	2,324	5,948
1+0,000	-2,324	6,241	-2,320	5,788	3,000%	5,718	6,194	2,320	5,788	3,000%	2,323	5,673
1+10,000	-2,324	6,087	-2,320	5,631	3,000%	5,561	6,020	2,320	5,631	3,000%	2,322	5,418
1+19,218	-2,324	5,870	-2,320	5,426	3,000%	5,357	5,840	2,320	5,426	3,000%	2,323	5,346
2+0,000	-2,324	5,835	-2,320	5,398	3,000%	5,328	5,809	2,320	5,398	3,000%	2,323	5,315
2+10,000	-2,323	5,400	-2,320	5,036	3,000%	4,966	5,405	2,320	5,036	3,000%	2,323	4,928
3+0,000	-2,324	5,197	-2,320	4,755	3,000%	4,685	5,177	2,320	4,755	3,000%	2,324	4,797
3+10,000	-2,324	5,020	-2,320	4,584	3,000%	4,515	5,058	2,320	4,584	3,000%	2,324	4,560
4+0,000	-2,323	4,897	-2,320	4,523	3,000%	4,454	4,948	2,320	4,523	3,000%	2,322	4,344
4+10,000	-2,323	4,963	-2,320	4,573	3,000%	4,503	4,995	2,320	4,573	3,000%	2,323	4,504
5+0,000	-2,324	5,206	-2,320	4,732	3,000%	4,663	5,144	2,320	4,732	3,000%	2,324	4,802
5+10,000	-2,325	5,497	-2,320	4,968	3,000%	4,899	5,376	2,320	4,968	3,000%	2,325	5,060
5+13,155	-2,324	5,530	-2,320	5,044	3,000%	4,974	5,461	2,320	5,044	3,000%	2,325	5,166
6+0,000	-2,324	5,641	-2,320	5,192	3,000%	5,123	5,617	2,320	5,192	3,000%	2,325	5,314
6+10,000	-2,325	5,856	-2,320	5,345	3,000%	5,275	5,781	2,320	5,345	3,000%	2,326	5,547
7+0,000	-2,324	5,937	-2,320	5,487	3,000%	5,418	5,896	2,320	5,487	3,000%	2,326	5,670
7+10,000	-2,324	6,049	-2,320	5,630	3,000%	5,561	6,053	2,320	5,630	3,000%	2,325	5,783
7+18,310	-2,324	6,200	-2,320	5,749	3,000%	5,679	6,169	2,320	5,749	3,000%	2,324	5,779
8+0,000	-2,324	6,235	-2,320	5,773	3,000%	5,703	6,192	2,320	5,773	3,000%	2,324	5,794
8+10,000	-2,325	6,557	-2,320	5,982	3,000%	5,913	6,440	2,320	5,982	3,000%	2,325	6,109
8+13,472	-2,325	6,679	-2,320	6,149	3,000%	6,079	6,543	2,320	6,149	3,000%	2,325	6,234
8+18,132	-2,327	7,149	-2,320	6,437	3,000%	6,367	6,839	2,320	6,437	3,000%	2,324	6,459
9+0,000	-2,325	7,081	-2,320	6,554	3,000%	6,484	6,956	2,320	6,554	3,000%	2,324	6,549
9+10,000	-2,324	7,267	-2,320	6,801	3,000%	6,731	7,190	2,320	6,801	3,000%	2,324	6,785
9+12,162	-2,324	7,306	-2,320	6,808	3,000%	6,738	7,218	2,320	6,808	3,000%	2,324	6,825
10+0,000	-2,324	7,331	-2,320	6,832	3,000%	6,762	7,262	2,320	6,832	3,000%	2,325	6,919
10+3,642	-2,324	7,298	-2,320	6,843	3,000%	6,773	7,277	2,320	6,843	3,000%	2,325	6,916
10+10,000	-2,324	7,305	-2,320	6,862	3,000%	6,793	7,291	2,320	6,862	3,000%	2,324	6,895
11+0,000	-2,325	7,329	-2,320	6,778	3,000%	6,709	7,220	2,320	6,778	3,000%	2,324	6,797
11+10,000	-2,327	7,098	-2,320	6,341	3,000%	6,272	6,755	2,320	6,341	3,000%	2,323	6,239
12+0,000	-2,323	5,905	-2,320	5,591	3,000%	5,521	6,003	2,320	5,591	3,000%	2,323	5,539
12+8,134	-2,364	5,871	-2,360	5,479	3,000%	5,408	5,859	2,320	5,478	3,000%	2,323	5,388
12+10,000	-2,351	5,844	-2,348	5,475	3,000%	5,405	5,863	2,320	5,475	3,000%	2,323	5,444
13+0,000	-2,324	6,040	-2,320	5,616	3,000%	5,546	6,047	2,320	5,616	3,000%	2,325	5,712
13+2,957	-2,325	6,186	-2,320	5,670	3,000%	5,600	6,095	2,320	5,670	3,000%	2,325	5,779
13+10,000	-2,324	6,255	-2,320	5,799	3,000%	5,730	6,225	2,320	5,799	3,000%	2,325	5,917
13+19,797	-2,323	6,065	-2,320	5,733	3,000%	5,663	6,154	2,320	5,733	3,000%	2,322	5,528
14+0,000	-2,323	6,054	-2,320	5,724	3,000%	5,655	6,143	2,320	5,724	3,000%	2,322	5,516
14+10,000	-2,324	5,692	-2,320	5,223	3,000%	5,153	5,480	2,320	5,223	3,000%	2,322	5,050
15+0,000	-2,327	5,596	-2,320	4,824	3,000%	4,755	5,239	2,320	4,824	3,000%	2,324	4,810
15+10,000	-2,324	5,240	-2,320	4,791	3,000%	4,722	5,062	2,320	4,791	3,000%	2,322	4,658

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
15+13,728	-2,323	5,202	-2,320	4,820	3,000%	4,750	5,086	2,451	4,810	3,000%	2,451	4,699
RUA 30												
0+2,444	-1,777	6,105	-1,771	5,533	3,000%	5,480	5,843	3,182	5,540	3,000%	3,182	5,423
0+10,000	-1,626	6,094	-1,620	5,451	3,000%	5,403	5,820	1,620	5,451	3,000%	1,623	5,396
1+0,000	-1,624	5,779	-1,620	5,349	3,000%	5,300	5,753	1,620	5,349	3,000%	1,624	5,331
1+5,784	-1,625	5,885	-1,620	5,290	3,000%	5,241	5,728	1,620	5,290	3,000%	1,624	5,310
1+10,000	-1,626	5,902	-1,620	5,299	3,000%	5,250	5,735	1,620	5,299	3,000%	1,625	5,416
1+12,603	-1,626	5,971	-1,620	5,349	3,000%	5,300	5,822	1,620	5,349	3,000%	1,625	5,454
2+0,000	-1,624	5,989	-1,620	5,497	3,000%	5,449	5,933	1,620	5,497	3,000%	1,624	5,515
2+0,375	-1,624	5,968	-1,620	5,505	3,000%	5,456	5,936	1,620	5,505	3,000%	1,624	5,518
RUA PRIMAVERA MANOEL RODRIGUES												
0+0,000	-1,299	8,312	-1,295	7,842	3,000%	7,803	8,288	1,620	7,852	3,000%	1,624	7,858
0+10,000	-1,678	7,993	-1,674	7,513	3,000%	7,463	7,978	1,690	7,514	3,000%	1,693	7,488
1+0,000	-2,282	7,745	-2,277	7,191	3,000%	7,123	7,669	2,682	7,203	3,000%	2,686	7,142
1+8,920	-3,335	7,543	-3,330	6,970	3,000%	6,870	7,365	4,171	6,995	3,000%	4,173	6,885
1+10,000	-4,026	7,410	-4,022	6,967	3,000%	6,846	7,331	3,920	6,964	3,000%	3,924	6,894
1+13,223	-2,563	7,313	-2,559	6,861	3,000%	6,785	7,269	5,613	6,953	3,000%	5,617	6,951
2+0,000	-2,098	7,217	-2,094	6,761	3,000%	6,698	7,191	2,635	6,777	3,000%	2,638	6,766
2+10,000	-1,625	7,165	-1,620	6,662	3,000%	6,614	7,076	2,112	6,677	3,000%	2,116	6,621
3+0,000	-1,626	7,214	-1,620	6,542	3,000%	6,493	7,007	1,625	6,542	3,000%	1,630	6,578
3+10,000	-1,625	6,463	-1,620	5,955	3,000%	5,906	6,368	1,620	5,955	3,000%	1,624	5,943
3+13,968	-1,624	6,117	-1,620	5,665	3,000%	5,616	6,091	1,620	5,665	3,000%	1,624	5,679
3+19,692	-1,624	5,784	-1,620	5,299	3,000%	5,250	5,708	1,620	5,299	3,000%	1,624	5,345
4+0,000	-1,624	5,768	-1,620	5,284	3,000%	5,236	5,699	1,620	5,284	3,000%	1,624	5,328
4+10,000	-1,624	5,464	-1,620	5,048	3,000%	5,000	5,453	1,620	5,048	3,000%	1,623	5,010
5+0,000	-1,624	5,419	-1,620	4,968	3,000%	4,920	5,421	1,620	4,968	3,000%	1,624	5,006
5+9,625	-1,625	5,524	-1,620	5,017	3,000%	4,969	5,423	1,620	5,017	3,000%	1,624	5,079
5+10,000	-1,625	5,529	-1,620	5,022	3,000%	4,973	5,432	1,620	5,022	3,000%	1,625	5,094
5+19,907	-1,624	5,662	-1,620	5,170	3,000%	5,121	5,648	1,620	5,170	3,000%	1,626	5,358
6+0,000	-1,624	5,663	-1,620	5,171	3,000%	5,123	5,650	1,620	5,171	3,000%	1,626	5,360
6+10,000	-1,624	5,777	-1,620	5,305	3,000%	5,256	5,763	1,620	5,305	3,000%	1,625	5,401
7+0,000	-1,624	5,753	-1,620	5,270	3,000%	5,221	5,702	1,620	5,270	3,000%	1,624	5,300
7+10,000	-1,625	5,598	-1,620	5,054	3,000%	5,006	5,548	1,620	5,054	3,000%	1,625	5,141
8+0,000	-1,624	5,281	-1,620	4,808	3,000%	4,760	5,315	1,620	4,808	3,000%	1,625	4,903
8+10,000	-1,624	5,031	-1,620	4,582	3,000%	4,533	4,987	1,620	4,582	3,000%	1,623	4,526
8+18,230	-1,623	4,870	-1,620	4,508	3,000%	4,459	4,922	1,620	4,508	3,000%	1,623	4,474
9+0,000	-1,623	4,856	-1,620	4,493	3,000%	4,444	4,908	1,620	4,493	3,000%	1,623	4,463
9+3,162	-1,623	4,818	-1,620	4,466	3,000%	4,417	4,884	1,620	4,466	3,000%	1,624	4,442
9+10,000	-1,623	4,732	-1,620	4,407	3,000%	4,358	4,738	0,755	4,381	3,000%	0,758	4,317
9+10,053	-1,623	4,731	-1,620	4,407	3,000%	4,358	4,737	0,692	4,379	3,000%	0,695	4,316
RUA 24												
0+3,096	-1,710	4,546	-1,708	4,187	3,000%	4,127	4,570	1,364	4,168	3,000%	1,367	4,163
0+5,676	-1,324	4,616	-1,320	4,199	3,000%	4,159	4,632	1,320	4,199	3,000%	1,325	4,292
0+10,000	-1,324	4,724	-1,320	4,288	3,000%	4,248	4,692	1,320	4,288	3,000%	1,323	4,232
1+0,000	-1,324	5,120	-1,320	4,672	3,000%	4,633	5,120	1,320	4,672	3,000%	1,324	4,703
1+10,000	-1,324	5,492	-1,320	5,028	3,000%	4,988	5,471	1,320	5,028	3,000%	1,325	5,157
2+0,000	-1,325	5,797	-1,320	5,248	3,000%	5,208	5,743	1,320	5,248	3,000%	1,326	5,419
2+1,141	-1,325	5,770	-1,320	5,235	3,000%	5,195	5,701	1,320	5,235	3,000%	1,325	5,371

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
2+10,000	-1,323	5,314	-1,320	4,920	3,000%	4,880	5,253	1,320	4,920	3,000%	1,324	4,950
2+10,212	-1,323	5,299	-1,320	4,912	3,000%	4,872	5,252	1,320	4,912	3,000%	1,324	4,949
2+13,226	-1,323	5,105	-1,320	4,791	3,000%	4,752	5,232	1,320	4,791	3,000%	1,325	4,929
RUA 10												
0+0,000	-1,623	6,317	-1,619	5,886	3,000%	5,837	6,319	2,000	5,897	3,000%	2,004	5,887
0+10,000	-1,588	6,334	-1,583	5,819	3,000%	5,771	6,271	1,600	5,819	3,000%	1,604	5,843
1+0,000	-1,553	6,318	-1,547	5,734	3,000%	5,687	6,177	1,581	5,735	3,000%	1,584	5,728
1+10,000	-1,516	6,059	-1,511	5,569	3,000%	5,523	6,008	1,561	5,570	3,000%	1,565	5,615
2+0,000	-1,480	5,826	-1,475	5,338	3,000%	5,294	5,760	1,589	5,342	3,000%	1,593	5,333
2+5,135	-3,157	5,567	-3,154	5,268	3,000%	5,174	5,686	3,406	5,276	3,000%	3,410	5,317
2+10,000	-2,740	5,510	-2,737	5,142	3,000%	5,060	5,546	2,866	5,146	3,000%	2,872	5,351
3+0,000	-1,881	5,293	-1,878	4,882	3,000%	4,826	5,342	2,242	4,893	3,000%	2,247	4,998
3+4,655	-2,626	5,280	-2,622	4,795	3,000%	4,717	5,358	1,943	4,775	3,000%	1,949	4,951
3+8,001	-2,627	5,334	-2,622	4,717	3,000%	4,638	5,217	1,615	4,687	3,000%	1,621	4,847
3+10,000	-1,625	5,202	-1,620	4,640	3,000%	4,592	5,107	1,620	4,640	3,000%	1,624	4,696
3+13,746	-1,624	5,051	-1,620	4,552	3,000%	4,504	4,999	1,620	4,552	3,000%	1,624	4,559
4+0,000	-1,623	4,790	-1,620	4,406	3,000%	4,357	4,827	1,620	4,406	3,000%	1,623	4,357
4+10,000	-1,624	4,713	-1,620	4,271	3,000%	4,222	4,693	1,620	4,271	3,000%	1,623	4,231
4+13,614	-1,624	4,727	-1,620	4,270	3,000%	4,222	4,681	2,461	4,296	3,000%	2,465	4,277
RUA C - PARTE 1												
0+16,060	-2,124	5,519	-2,120	5,105	3,000%	5,039	5,519	0,052	5,040	3,000%	2,124	5,518
1+0,000	-2,124	5,697	-2,120	5,242	3,000%	5,179	5,651	2,120	5,242	3,000%	2,125	5,706
1+19,435	-2,124	6,075	-2,120	5,694	3,000%	5,630	6,060	2,120	5,694	3,000%	2,123	6,019
RUA C E RUA PAULO EMÍDIO												
0+0,000	-2,124	5,996	-2,120	5,585	3,000%	5,522	6,001	2,000	5,582	3,000%	2,004	5,628
0+10,000	-2,124	6,239	-2,120	5,824	3,000%	5,760	6,353	2,120	5,824	3,000%	2,126	6,026
1+0,000	-2,124	6,307	-2,120	5,866	3,000%	5,802	6,303	2,120	5,866	3,000%	2,124	5,932
1+10,000	-2,124	6,419	-2,120	5,933	3,000%	5,870	6,358	2,120	5,933	3,000%	2,124	5,976
2+0,000	-2,124	6,525	-2,120	6,061	3,000%	5,997	6,466	2,120	6,061	3,000%	2,124	6,082
2+10,000	-2,124	6,647	-2,120	6,189	3,000%	6,125	6,574	2,120	6,189	3,000%	2,125	6,261
2+15,555	-2,124	6,700	-2,120	6,260	3,000%	6,197	6,634	2,120	6,260	3,000%	2,124	6,320
3+0,000	-2,124	6,753	-2,120	6,317	3,000%	6,253	6,684	2,120	6,317	3,000%	2,124	6,360
3+10,000	-2,124	6,905	-2,120	6,445	3,000%	6,382	6,802	2,120	6,445	3,000%	2,124	6,442
4+0,000	-2,125	7,106	-2,120	6,573	3,000%	6,510	6,962	2,120	6,573	3,000%	2,124	6,636
4+10,000	-2,125	7,258	-2,120	6,701	3,000%	6,637	7,133	2,120	6,701	3,000%	2,125	6,854
5+0,000	-2,127	7,415	-2,120	6,694	3,000%	6,630	7,129	2,120	6,694	3,000%	2,125	6,809
5+10,000	-2,125	6,997	-2,120	6,451	3,000%	6,388	6,866	2,120	6,451	3,000%	2,124	6,476
6+0,000	-2,124	6,570	-2,120	6,150	3,000%	6,086	6,511	2,120	6,150	3,000%	2,124	6,131
6+10,000	-2,124	6,447	-2,120	5,989	3,000%	5,926	6,387	2,120	5,989	3,000%	2,124	6,024
7+0,000	-2,123	6,258	-2,120	5,878	3,000%	5,815	6,260	2,120	5,878	3,000%	2,123	5,781
7+10,000	-2,124	6,210	-2,120	5,767	3,000%	5,703	6,159	2,120	5,767	3,000%	2,123	5,664
8+0,000	-2,124	6,089	-2,120	5,660	3,000%	5,596	6,062	2,119	5,660	3,000%	2,122	5,600
8+10,000	-2,124	6,064	-2,120	5,627	3,000%	5,563	6,052	2,102	5,626	3,000%	2,106	5,605
8+13,285	-2,124	6,084	-2,120	5,637	3,000%	5,573	6,070	2,097	5,636	3,000%	2,100	5,596
9+0,000	-2,124	6,117	-2,120	5,662	3,000%	5,598	6,088	2,120	5,662	3,000%	2,123	5,606
9+10,000	-2,124	6,166	-2,120	5,673	3,000%	5,610	6,126	2,120	5,673	3,000%	2,123	5,605
9+17,486	-2,124	5,996	-2,120	5,548	3,000%	5,484	5,951	2,120	5,548	3,000%	2,123	5,437
10+0,000	-2,124	5,939	-2,120	5,492	3,000%	5,429	5,892	2,120	5,492	3,000%	2,123	5,407

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
10+10,000	-2,124	5,700	-2,120	5,271	3,000%	5,208	5,658	2,120	5,271	3,000%	2,124	5,290
10+17,381	-2,124	5,523	-2,120	5,102	3,000%	5,039	5,510	2,120	5,102	3,000%	2,125	5,203
11+0,000	-2,130	5,459	-2,126	5,034	3,000%	4,970	5,481	2,120	5,034	3,000%	2,125	5,174
11+10,000	-2,837	5,121	-2,834	4,764	3,000%	4,679	5,199	2,120	4,743	3,000%	2,125	4,820
12+0,000	-2,124	4,936	-2,120	4,526	3,000%	4,462	4,951	2,120	4,526	3,000%	2,124	4,546
12+8,546	-2,124	4,807	-2,120	4,400	3,000%	4,337	4,820	2,120	4,400	3,000%	2,124	4,384
12+10,000	-2,124	4,786	-2,120	4,379	3,000%	4,316	4,799	2,120	4,379	3,000%	2,124	4,354
13+0,000	-2,124	4,652	-2,120	4,235	3,000%	4,171	4,656	2,120	4,235	3,000%	2,124	4,222
13+10,000	-2,124	4,574	-2,120	4,147	3,000%	4,083	4,567	2,120	4,147	3,000%	2,124	4,175
14+0,000	-2,124	4,560	-2,120	4,156	3,000%	4,092	4,563	2,120	4,156	3,000%	2,124	4,190
14+6,179	-2,123	4,592	-2,120	4,210	3,000%	4,147	4,605	2,120	4,210	3,000%	2,124	4,211
14+10,000	-2,123	4,611	-2,120	4,263	3,000%	4,199	4,627	2,120	4,263	3,000%	2,123	4,201
15+0,000	-2,123	4,796	-2,120	4,467	3,000%	4,404	4,839	2,120	4,467	3,000%	2,124	4,444
15+10,000	-2,122	4,975	-2,120	4,769	3,000%	4,706	5,090	2,120	4,769	3,000%	2,124	4,758
15+10,096	-2,122	4,978	-2,120	4,773	3,000%	4,709	5,093	2,120	4,773	3,000%	2,124	4,761
16+0,000	-2,123	5,423	-2,120	5,113	3,000%	5,050	5,408	2,120	5,113	3,000%	2,123	5,062
16+10,000	-2,126	6,060	-2,120	5,457	3,000%	5,394	5,788	2,120	5,457	3,000%	2,123	5,386
17+0,000	-2,126	6,421	-2,120	5,795	3,000%	5,732	6,200	2,120	5,795	3,000%	2,123	5,720
17+10,000	-2,124	6,491	-2,120	5,999	3,000%	5,935	6,381	2,120	5,999	3,000%	2,123	5,922
17+10,757	-2,124	6,499	-2,120	6,010	3,000%	5,946	6,390	2,120	6,010	3,000%	2,123	5,932
18+0,000	-2,124	6,641	-2,120	6,145	3,000%	6,082	6,519	2,120	6,145	3,000%	2,123	6,073
18+10,000	-2,125	6,827	-2,120	6,292	3,000%	6,228	6,689	2,120	6,292	3,000%	2,124	6,301
18+16,789	-2,124	6,886	-2,120	6,392	3,000%	6,328	6,814	2,120	6,392	3,000%	2,124	6,431
19+0,000	-2,124	6,931	-2,120	6,439	3,000%	6,375	6,875	2,120	6,439	3,000%	2,124	6,448
19+10,000	-2,125	6,968	-2,120	6,414	3,000%	6,351	6,843	3,648	6,460	3,000%	3,653	6,580
19+11,004	-2,124	6,891	-2,120	6,393	3,000%	6,330	6,843	3,889	6,446	3,000%	3,893	6,502
20+0,000	-2,125	6,620	-2,120	6,098	3,000%	6,034	6,513	2,120	6,098	3,000%	2,124	6,139
20+10,000	-2,124	6,291	-2,120	5,805	3,000%	5,741	6,147	2,120	5,805	3,000%	2,123	5,677
21+0,000	-2,124	6,126	-2,120	5,648	3,000%	5,584	6,054	2,120	5,648	3,000%	2,123	5,607
21+10,000	-2,125	6,069	-2,120	5,566	3,000%	5,502	6,009	2,120	5,566	3,000%	2,123	5,529
21+12,593	-2,125	6,060	-2,120	5,545	3,000%	5,481	5,991	2,120	5,545	3,000%	2,124	5,517
21+19,099	-2,124	5,873	-2,120	5,447	3,000%	5,383	5,856	2,120	5,447	3,000%	2,123	5,356
22+0,000	-2,124	5,851	-2,120	5,418	3,000%	5,355	5,842	2,120	5,418	3,000%	2,123	5,350
22+8,751	-2,124	5,599	-2,120	5,137	3,000%	5,074	5,566	2,120	5,137	3,000%	2,126	5,386
22+10,000	-2,124	5,564	-2,120	5,101	3,000%	5,037	5,527	2,120	5,101	3,000%	2,127	5,375
22+13,172	-2,124	5,495	-2,120	5,013	3,000%	4,949	5,432	2,120	5,013	3,000%	2,126	5,254
23+0,000	-2,125	5,405	-2,120	4,851	3,000%	4,787	5,258	2,120	4,851	3,000%	2,127	5,168
23+10,000	-2,124	5,157	-2,120	4,678	3,000%	4,615	5,108	2,120	4,678	3,000%	2,126	4,926
24+0,000	-2,123	4,959	-2,120	4,573	3,000%	4,509	4,963	2,120	4,573	3,000%	2,125	4,668
24+10,000	-2,124	4,951	-2,120	4,485	3,000%	4,422	4,892	2,120	4,485	3,000%	2,124	4,556
24+11,814	-2,124	4,943	-2,120	4,475	3,000%	4,412	4,894	2,120	4,475	3,000%	2,124	4,535
25+0,000	-2,232	4,840	-2,228	4,455	3,000%	4,388	4,936	2,120	4,452	3,000%	2,125	4,542
25+10,000	-2,124	4,836	-2,120	4,428	3,000%	4,364	4,897	2,120	4,428	3,000%	2,124	4,477
25+17,020	-2,124	4,877	-2,120	4,450	3,000%	4,386	4,872	2,120	4,450	3,000%	2,124	4,458
26+0,000	-2,124	4,906	-2,120	4,477	3,000%	4,413	4,884	2,120	4,477	3,000%	2,124	4,509
26+5,514	-2,124	4,997	-2,120	4,556	3,000%	4,492	5,000	2,120	4,556	3,000%	2,124	4,608
26+10,000	-2,124	5,082	-2,120	4,646	3,000%	4,583	5,092	2,122	4,646	3,000%	2,126	4,692
26+15,507	-2,124	5,206	-2,120	4,766	3,000%	4,702	5,206	2,120	4,766	3,000%	2,125	4,878

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
27+0,000	-2,125	5,443	-2,120	4,860	3,000%	4,797	5,297	2,120	4,860	3,000%	2,125	5,025
27+10,000	-2,125	5,648	-2,120	5,053	3,000%	4,989	5,499	2,120	5,053	3,000%	2,123	5,017
28+0,000	-2,125	5,766	-2,120	5,220	3,000%	5,157	5,683	2,120	5,220	3,000%	2,124	5,208
28+10,000	-2,126	5,967	-2,120	5,367	3,000%	5,303	5,816	2,120	5,367	3,000%	2,124	5,353
29+0,000	-2,126	6,161	-2,120	5,510	3,000%	5,447	5,971	2,120	5,510	3,000%	2,125	5,588
29+8,174	-2,124	6,077	-2,120	5,623	3,000%	5,560	6,057	2,120	5,623	3,000%	2,124	5,692
29+10,000	-2,124	6,094	-2,120	5,640	3,000%	5,577	6,076	2,120	5,640	3,000%	2,125	5,716
29+18,050	-2,124	6,059	-2,120	5,653	3,000%	5,589	6,055	2,120	5,653	3,000%	2,124	5,693
30+0,000	-2,123	6,031	-2,120	5,640	3,000%	5,577	6,030	2,120	5,640	3,000%	2,124	5,662
30+10,000	-2,123	5,893	-2,120	5,551	3,000%	5,487	5,898	2,120	5,551	3,000%	2,123	5,514
31+0,000	-2,123	5,832	-2,120	5,471	3,000%	5,408	5,846	2,120	5,471	3,000%	2,123	5,427
31+10,000	-2,123	5,793	-2,120	5,453	3,000%	5,390	5,826	2,120	5,453	3,000%	2,123	5,380
32+0,000	-2,123	5,865	-2,120	5,492	3,000%	5,428	5,875	2,120	5,492	3,000%	2,123	5,456
32+10,000	-2,124	5,931	-2,120	5,486	3,000%	5,422	5,932	2,120	5,486	3,000%	2,124	5,511
33+0,000	-2,123	5,776	-2,120	5,396	3,000%	5,332	5,778	2,120	5,396	3,000%	2,123	5,319
33+8,408	-2,123	5,659	-2,120	5,293	3,000%	5,229	5,652	2,120	5,293	3,000%	2,123	5,195
33+10,000	-2,120	5,644	-2,117	5,273	3,000%	5,210	5,632	2,120	5,273	3,000%	2,123	5,171
34+0,000	-2,715	5,536	-2,712	5,168	3,000%	5,087	5,523	2,120	5,150	3,000%	2,123	5,104
34+8,486	-2,081	5,604	-2,076	5,045	3,000%	4,982	5,417	2,120	5,046	3,000%	2,125	5,131
34+10,000	-2,083	5,567	-2,078	5,026	3,000%	4,964	5,394	2,120	5,027	3,000%	2,125	5,119
35+0,000	-2,124	5,320	-2,120	4,883	3,000%	4,820	5,283	2,120	4,883	3,000%	2,124	4,889
35+10,000	-2,124	5,139	-2,120	4,701	3,000%	4,638	5,109	2,120	4,701	3,000%	2,123	4,669
35+16,276	-2,124	5,034	-2,120	4,577	3,000%	4,513	5,011	2,120	4,577	3,000%	2,124	4,595
36+0,000	-2,123	4,910	-2,120	4,520	3,000%	4,456	4,952	2,120	4,520	3,000%	2,124	4,572
36+10,000	-2,124	4,916	-2,120	4,470	3,000%	4,406	4,935	2,120	4,470	3,000%	2,125	4,554
37+0,000	-2,123	4,886	-2,120	4,554	3,000%	4,491	4,937	2,120	4,554	3,000%	2,123	4,499
37+9,794	-2,123	5,028	-2,120	4,657	3,000%	4,594	5,020	2,120	4,657	3,000%	2,123	4,588
37+10,000	-2,123	5,030	-2,120	4,659	3,000%	4,596	5,022	2,120	4,659	3,000%	2,123	4,589
38+0,000	-2,123	5,093	-2,120	4,764	3,000%	4,701	5,125	2,120	4,764	3,000%	2,125	4,841
38+10,000	-2,123	5,237	-2,120	4,865	3,000%	4,802	5,268	2,120	4,865	3,000%	2,126	5,095
39+0,000	-2,124	5,399	-2,120	4,927	3,000%	4,863	5,379	2,120	4,927	3,000%	2,125	5,097
39+10,000	-2,124	5,460	-2,120	4,978	3,000%	4,915	5,435	2,120	4,978	3,000%	2,125	5,056
40+0,000	-2,124	5,510	-2,120	5,030	3,000%	4,966	5,445	2,120	5,030	3,000%	2,125	5,115
40+0,328	-2,124	5,509	-2,120	5,031	3,000%	4,968	5,446	2,120	5,031	3,000%	2,125	5,129
40+4,306	-2,124	5,515	-2,120	5,052	3,000%	4,988	5,461	2,120	5,052	3,000%	2,125	5,194
40+10,000	-2,124	5,508	-2,120	5,081	3,000%	5,017	5,492	2,120	5,081	3,000%	2,125	5,169
40+18,410	-2,838	5,503	-2,835	5,146	3,000%	5,061	5,542		-0,480			-0,430
RUA SIEGFRED VIEIRA LOESER												
0+1,962	-7,891	6,242	-7,890	6,142	3,000%	5,905	6,271	7,325	5,965	3,000%	7,330	5,875
0+10,000	-2,625	6,445	-2,620	5,906	3,000%	5,828	6,304	2,620	5,906	3,000%	2,624	5,891
0+17,418	-2,625	6,464	-2,620	5,938	3,000%	5,860	6,304	2,620	5,938	3,000%	2,623	5,878
1+0,000	-2,625	6,467	-2,620	5,949	3,000%	5,871	6,301	2,620	5,949	3,000%	2,623	5,876
1+10,000	-2,624	6,374	-2,620	5,945	3,000%	5,867	6,288	2,620	5,945	3,000%	2,623	5,867
2+0,000	-2,623	6,332	-2,620	5,941	3,000%	5,862	6,258	2,620	5,941	3,000%	2,624	5,949
2+8,279	-2,623	6,309	-2,620	5,938	3,000%	5,859	6,271	2,620	5,938	3,000%	2,625	6,034
2+10,000	-2,623	6,303	-2,620	5,937	3,000%	5,858	6,274	2,620	5,937	3,000%	2,625	6,032
3+0,000	-2,623	6,298	-2,620	5,933	3,000%	5,854	6,273	2,620	5,933	3,000%	2,623	5,900
3+10,000	-2,623	6,235	-2,620	5,918	3,000%	5,840	6,277	2,620	5,918	3,000%	2,624	5,902

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
3+14,594	-2,623	6,196	-2,620	5,883	3,000%	5,804	6,234	2,620	5,883	3,000%	2,624	5,859
4+0,000	-2,623	6,147	-2,620	5,820	3,000%	5,742	6,173	2,620	5,820	3,000%	2,623	5,766
4+7,139	-2,623	6,074	-2,620	5,737	3,000%	5,659	6,080	2,620	5,737	3,000%	2,623	5,644
4+10,000	-2,623	6,043	-2,620	5,705	3,000%	5,627	6,041	2,620	5,705	3,000%	2,623	5,606
5+0,000	-2,622	5,878	-2,620	5,620	3,000%	5,542	5,984	2,620	5,620	3,000%	2,623	5,510
5+10,000	-2,622	5,862	-2,620	5,578	3,000%	5,500	5,934	2,620	5,578	3,000%	2,623	5,469
5+10,199	-2,622	5,863	-2,620	5,578	3,000%	5,499	5,935	2,620	5,578	3,000%	2,623	5,470
6+0,000	-2,623	5,906	-2,620	5,567	3,000%	5,488	5,966	2,620	5,567	3,000%	2,623	5,504
6+10,000	-2,624	5,969	-2,620	5,556	3,000%	5,478	5,968	2,620	5,556	3,000%	2,623	5,500
7+0,000	-2,624	5,985	-2,620	5,546	3,000%	5,467	5,933	2,620	5,546	3,000%	2,623	5,447
7+10,000	-2,624	5,945	-2,620	5,536	3,000%	5,458	5,915	2,620	5,536	3,000%	2,622	5,405
8+0,000	-2,623	5,887	-2,620	5,540	3,000%	5,462	5,900	2,620	5,540	3,000%	2,622	5,338
8+10,000	-2,623	5,961	-2,620	5,563	3,000%	5,485	5,898	2,620	5,563	3,000%	2,622	5,362
9+0,000	-2,623	5,973	-2,620	5,600	3,000%	5,522	5,919	2,620	5,600	3,000%	2,622	5,463
9+10,000	-2,623	5,970	-2,620	5,641	3,000%	5,563	5,988	2,620	5,641	3,000%	2,623	5,524
9+18,405	-2,624	6,337	-2,620	5,911	3,000%	5,833	6,263	2,620	5,911	3,000%	2,622	5,735
TRAVESSA A												
0+3,384	-2,777	5,281	-2,775	4,970	3,000%	4,887	5,195	7,304	4,895	3,000%	7,312	4,757
0+10,000	-2,124	5,167	-2,120	4,764	3,000%	4,701	5,086	2,223	4,767	3,000%	2,225	4,604
1+0,000	-2,124	5,031	-2,120	4,549	3,000%	4,486	4,950	2,120	4,549	3,000%	2,123	4,468
1+8,115	-2,124	5,060	-2,120	4,588	3,000%	4,524	4,997	2,120	4,588	3,000%	2,123	4,502
1+10,000	-2,118	5,091	-2,114	4,622	3,000%	4,559	5,029	2,126	4,622	3,000%	2,129	4,539
1+14,730	-2,124	5,173	-2,120	4,709	3,000%	4,645	5,113	2,120	4,709	3,000%	2,123	4,663
2+0,000	-2,124	5,267	-2,120	4,805	3,000%	4,741	5,224	2,120	4,805	3,000%	2,124	4,786
2+10,000	-2,124	5,443	-2,120	4,988	3,000%	4,924	5,397	2,120	4,988	3,000%	2,124	4,973
3+0,000	-2,124	5,617	-2,120	5,170	3,000%	5,107	5,580	2,120	5,170	3,000%	2,124	5,159
3+1,055	-2,124	5,636	-2,120	5,190	3,000%	5,126	5,600	2,120	5,190	3,000%	2,124	5,180
3+9,954	-2,125	5,936	-2,120	5,352	3,000%	5,289	5,770	2,120	5,352	3,000%	2,124	5,360
3+10,000	-2,125	5,938	-2,120	5,353	3,000%	5,290	5,771	2,120	5,353	3,000%	2,124	5,361
4+0,000	-2,124	5,953	-2,120	5,475	3,000%	5,412	5,915	2,120	5,475	3,000%	2,124	5,488
4+10,000	-2,124	6,029	-2,120	5,529	3,000%	5,466	5,971	2,120	5,529	3,000%	2,124	5,586
5+0,000	-2,125	6,298	-2,120	5,782	3,000%	5,718	6,191	2,120	5,782	3,000%	2,124	5,824
5+5,941	-2,124	6,361	-2,120	5,932	3,000%	5,869	6,338	2,000	5,929	3,000%	2,004	5,959
5+10,000	-2,125	6,619	-2,120	6,035	3,000%	5,972	6,458	2,120	6,035	3,000%	2,123	5,979
6+0,000	-2,124	6,739	-2,120	6,288	3,000%	6,225	6,723	2,120	6,288	3,000%	2,124	6,315
6+2,120	-2,123	6,731	-2,120	6,342	3,000%	6,279	6,759	2,000	6,339	3,000%	2,004	6,376
RUA ERUNDINO SIMÃO DOS REIS												
0+1,996	-3,905	6,429	-3,905	5,955	3,000%	5,895	6,383	3,671	5,955	3,000%	3,671	5,906
1+0,000	-2,122	5,794	-2,120	5,564	3,000%	5,500	5,886	2,120	5,564	3,000%	2,124	5,516
1+10,000	-2,123	5,790	-2,120	5,482	3,000%	5,418	5,875	2,120	5,482	3,000%	2,125	5,548
2+0,000	-2,123	5,892	-2,120	5,574	3,000%	5,510	5,967	2,120	5,574	3,000%	2,125	5,597
3+0,000	-2,124	5,866	-2,120	5,438	3,000%	5,374	5,798	2,120	5,438	3,000%	2,124	5,435
3+3,322	-2,124	5,710	-2,120	5,265	3,000%	5,202	5,632	2,120	5,265	3,000%	2,124	5,274
RUA CARLOS ALBERTO ZUZART												
0+3,384	-2,898	5,599	-2,896	5,317	3,000%	5,231	5,592	2,874	5,291	3,000%	2,880	5,108
0+10,000	-2,803	5,634	-2,800	5,292	3,000%	5,208	5,646	2,300	5,277	3,000%	2,303	5,214
1+0,000	-2,658	5,689	-2,655	5,333	3,000%	5,254	5,720	1,885	5,310	3,000%	1,889	5,303
1+10,000	-2,514	5,716	-2,511	5,375	3,000%	5,300	5,758	1,620	5,348	3,000%	1,623	5,293

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
2+0,000	-2,370	5,753	-2,366	5,361	3,000%	5,290	5,814	1,620	5,338	3,000%	1,624	5,392
2+10,000	-2,226	5,778	-2,222	5,344	3,000%	5,277	5,801	1,620	5,326	3,000%	1,624	5,361
2+17,041	-2,006	5,800	-2,001	5,329	3,000%	5,269	5,747	1,620	5,317	3,000%	1,623	5,238
3+0,000	-1,860	5,790	-1,856	5,333	3,000%	5,277	5,744	1,620	5,326	3,000%	1,623	5,213
3+9,664	-1,624	5,867	-1,620	5,406	3,000%	5,357	5,858	1,620	5,406	3,000%	1,624	5,437
3+10,000	-1,624	5,871	-1,620	5,408	3,000%	5,360	5,862	1,620	5,408	3,000%	1,624	5,447
4+0,000	-1,624	5,941	-1,620	5,459	3,000%	5,410	5,900	1,620	5,459	3,000%	1,624	5,457
4+10,000	-1,623	5,862	-1,620	5,469	3,000%	5,420	5,841	1,620	5,469	3,000%	1,622	5,329
4+19,251	-1,623	5,850	-1,620	5,469	3,000%	5,420	5,827	1,620	5,469	3,000%	1,622	5,339
5+0,000	-1,623	5,857	-1,620	5,469	3,000%	5,420	5,833	1,620	5,469	3,000%	1,623	5,349
5+10,000	-1,624	5,917	-1,620	5,469	3,000%	5,421	5,901	1,620	5,469	3,000%	1,624	5,465
6+0,000	-1,624	5,939	-1,620	5,443	3,000%	5,394	5,874	1,620	5,443	3,000%	1,623	5,409
6+8,823	-1,624	5,859	-1,620	5,390	3,000%	5,342	5,797	1,620	5,390	3,000%	1,623	5,333
6+10,000	-1,624	5,874	-1,620	5,383	3,000%	5,335	5,790	1,620	5,383	3,000%	1,623	5,323
6+19,519	-1,624	5,767	-1,620	5,327	3,000%	5,278	5,725	1,620	5,327	3,000%	1,623	5,222
7+0,000	-1,624	5,756	-1,620	5,324	3,000%	5,276	5,719	1,620	5,324	3,000%	1,623	5,216
7+10,000	-1,624	5,739	-1,620	5,278	3,000%	5,229	5,698	1,620	5,278	3,000%	1,623	5,228
7+19,558	-1,624	5,780	-1,620	5,306	3,000%	5,257	5,730	1,620	5,306	3,000%	1,623	5,264
8+0,000	-1,624	5,783	-1,620	5,309	3,000%	5,260	5,732	1,620	5,309	3,000%	1,623	5,267
8+10,000	-1,624	5,845	-1,620	5,413	3,000%	5,364	5,786	1,620	5,413	3,000%	1,623	5,352
9+0,000	-1,624	5,992	-1,620	5,526	3,000%	5,478	5,952	1,620	5,526	3,000%	1,624	5,589
9+10,000	-1,625	6,143	-1,620	5,639	3,000%	5,591	6,127	1,621	5,639	3,000%	1,627	5,828
9+19,518	-1,625	6,284	-1,620	5,741	3,000%	5,692	6,214	1,643	5,742	3,000%	1,646	5,719
10+0,000	-1,625	6,286	-1,620	5,745	3,000%	5,697	6,214	1,641	5,746	3,000%	1,645	5,709
10+10,000	-1,624	6,268	-1,620	5,801	3,000%	5,752	6,246	1,620	5,801	3,000%	1,624	5,833
10+11,265	-1,624	6,271	-1,620	5,803	3,000%	5,755	6,261	1,620	5,803	3,000%	1,624	5,865
10+17,350	-1,624	6,245	-1,620	5,804	3,000%	5,756	6,248	1,308	5,795	3,000%	1,311	5,787
11+0,000	-1,624	6,205	-1,620	5,798	3,000%	5,750	6,205	1,601	5,798	3,000%	1,604	5,774
11+10,000	-1,623	6,079	-1,620	5,745	3,000%	5,697	6,040	1,620	5,745	3,000%	1,622	5,587
12+0,000	-1,623	6,029	-1,620	5,685	3,000%	5,637	5,917	1,620	5,685	3,000%	1,622	5,485
12+7,076	-1,624	6,079	-1,620	5,643	3,000%	5,594	5,940	2,028	5,655	3,000%	2,030	5,512
12+10,000	-1,624	6,091	-1,620	5,625	3,000%	5,577	5,989	2,785	5,660	3,000%	2,787	5,536
12+18,348	-1,624	6,027	-1,620	5,575	3,000%	5,526	5,984	1,620	5,575	3,000%	1,623	5,531
13+0,000	-1,624	6,022	-1,620	5,565	3,000%	5,516	5,986	1,620	5,565	3,000%	1,624	5,552
13+10,000	-1,624	6,003	-1,620	5,505	3,000%	5,456	6,003	1,620	5,505	3,000%	1,624	5,546
14+0,000	-1,623	5,836	-1,620	5,445	3,000%	5,396	5,876	1,620	5,445	3,000%	1,624	5,445
14+10,000	-1,624	5,884	-1,620	5,385	3,000%	5,336	5,827	1,620	5,385	3,000%	1,623	5,341
15+0,000	-1,624	5,796	-1,620	5,350	3,000%	5,302	5,763	1,620	5,350	3,000%	1,623	5,286
15+5,744	-1,624	5,834	-1,620	5,357	3,000%	5,308	5,786	1,620	5,357	3,000%	1,623	5,312
15+10,000	-1,624	5,854	-1,620	5,375	3,000%	5,326	5,806	1,620	5,375	3,000%	1,623	5,337
16+0,000	-1,625	5,960	-1,620	5,433	3,000%	5,384	5,898	1,620	5,433	3,000%	1,624	5,440
16+10,000	-1,625	6,032	-1,620	5,491	3,000%	5,443	6,029	1,620	5,491	3,000%	1,624	5,508
17+0,000	-1,625	6,084	-1,620	5,550	3,000%	5,501	6,080	1,620	5,550	3,000%	1,623	5,503
17+10,000	-1,624	6,087	-1,620	5,608	3,000%	5,560	6,078	1,620	5,608	3,000%	1,623	5,553
18+0,000	-1,624	6,105	-1,620	5,667	3,000%	5,618	6,073	1,620	5,667	3,000%	1,623	5,584
18+6,435	-1,624	6,129	-1,620	5,705	3,000%	5,656	6,001	2,040	5,717	3,000%	2,043	5,607
18+9,559	-1,623	6,082	-1,620	5,723	3,000%	5,674	6,051	2,040	5,735	3,000%	2,042	5,606
18+10,000	-1,623	6,081	-1,620	5,725	3,000%	5,677	6,050	1,734	5,729	3,000%	1,737	5,595

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
19+0,000	-1,622	6,075	-1,620	5,784	3,000%	5,735	6,037	1,620	5,784	3,000%	1,622	5,617
19+10,000	-1,625	6,357	-1,620	5,839	3,000%	5,790	6,191	1,620	5,839	3,000%	1,623	5,809
19+13,227	-1,625	6,392	-1,620	5,845	3,000%	5,796	6,247	1,620	5,845	3,000%	1,623	5,797
20+0,000	-1,624	6,291	-1,620	5,825	3,000%	5,777	6,255	1,620	5,825	3,000%	1,623	5,784
20+4,775	-1,625	6,339	-1,620	5,786	3,000%	5,737	6,237	1,620	5,786	3,000%	1,623	5,743
20+10,000	-1,626	6,320	-1,620	5,719	3,000%	5,670	6,208	1,620	5,719	3,000%	1,624	5,691
21+0,000	-1,625	6,091	-1,620	5,523	3,000%	5,474	5,913	1,620	5,523	3,000%	1,624	5,507
21+10,000	-1,623	5,699	-1,620	5,304	3,000%	5,255	5,668	1,620	5,304	3,000%	1,623	5,241
21+10,143	-1,623	5,696	-1,620	5,301	3,000%	5,252	5,665	1,620	5,301	3,000%	1,623	5,238
22+0,000	-1,623	5,476	-1,620	5,085	3,000%	5,036	5,442	1,620	5,085	3,000%	1,623	4,956
22+10,000	-1,623	5,230	-1,620	4,866	3,000%	4,817	5,200	1,620	4,866	3,000%	1,623	4,769
22+13,379	-1,623	5,167	-1,620	4,792	3,000%	4,743	5,138	1,620	4,792	3,000%	1,623	4,681
23+0,000	-1,632	5,065	-1,628	4,648	3,000%	4,599	5,035	1,612	4,648	3,000%	1,615	4,577
23+2,922	-1,623	4,970	-1,620	4,596	3,000%	4,547	4,988	1,620	4,596	3,000%	1,623	4,526
23+10,000	-1,623	4,917	-1,620	4,522	3,000%	4,473	4,958	1,620	4,522	3,000%	1,622	4,376
24+0,000	-1,624	4,948	-1,620	4,543	3,000%	4,495	4,984	1,620	4,543	3,000%	1,624	4,517
24+7,897	-1,622	4,952	-1,620	4,664	3,000%	4,616	5,069	1,620	4,664	3,000%	1,622	4,496
24+10,000	-1,623	5,019	-1,620	4,711	3,000%	4,662	5,081	1,620	4,711	3,000%	1,622	4,549
25+0,000	-1,624	5,372	-1,620	4,921	3,000%	4,873	5,364	1,620	4,921	3,000%	1,624	4,936
25+3,305	-1,624	5,450	-1,620	4,960	3,000%	4,911	5,491	1,620	4,960	3,000%	1,625	5,053
25+10,000	-1,624	5,437	-1,620	4,963	3,000%	4,915	5,408	1,620	4,963	3,000%	1,625	5,041
25+11,337	-1,624	5,399	-1,620	4,952	3,000%	4,903	5,378	1,620	4,952	3,000%	1,624	4,999
26+0,000	-1,623	5,155	-1,620	4,854	3,000%	4,805	5,198	1,620	4,854	3,000%	1,623	4,808
26+10,000	-1,622	5,019	-1,620	4,739	3,000%	4,691	5,128	1,620	4,739	3,000%	1,623	4,648
27+0,000	-1,623	5,011	-1,620	4,625	3,000%	4,577	5,058	1,620	4,625	3,000%	1,623	4,578
27+7,180	-1,624	5,034	-1,620	4,585	3,000%	4,537	5,083	1,620	4,585	3,000%	1,624	4,600
27+10,000	-1,623	5,041	-1,620	4,648	3,000%	4,600	5,126	1,620	4,648	3,000%	1,624	4,641
28+0,000	-2,688	5,563	-2,686	5,344	3,000%	5,264	5,746	2,000	5,324	3,000%	2,003	5,275
28+0,533	-3,110	5,651	-3,108	5,409	3,000%	5,316	5,790	8,357	5,376	3,000%	8,403	5,267
TRAVESSA CARLOS ALBERTO ZUZART 1												
0+1,526	-4,879	5,255	-4,877	5,880	3,000%	5,734	6,152	9,126	5,794	3,000%	9,160	5,764
0+10,000	-1,523	5,107	-1,520	5,633	3,000%	5,588	6,016	1,520	5,633	3,000%	1,524	5,648
1+0,000	-1,524	4,915	-1,521	5,434	3,000%	5,389	5,808	1,520	5,434	3,000%	1,524	5,412
1+10,000	-1,526	4,852	-1,521	5,178	3,000%	5,132	5,616	1,520	5,178	3,000%	1,524	5,232
2+0,000	-1,529	4,781	-1,522	4,891	3,000%	4,845	5,344	1,520	4,891	3,000%	1,526	5,066
2+10,000	-1,526	4,224	-1,522	4,604	3,000%	4,558	5,048	1,520	4,604	3,000%	1,525	4,710
2+16,357	-1,527	4,171	-1,522	4,471	3,000%	4,425	4,911	1,520	4,471	3,000%	1,525	4,573
3+0,000	-1,438	4,141	-1,433	4,455	3,000%	4,413	4,903	1,520	4,458	3,000%	1,525	4,553
3+10,000	-1,225	4,227	-1,220	4,513	3,000%	4,476	4,959	1,520	4,522	3,000%	1,525	4,621
4+0,000	-1,225	4,443	-1,220	4,757	3,000%	4,721	5,195	1,520	4,766	3,000%	1,525	4,839
4+0,919	-1,225	4,490	-1,220	4,792	3,000%	4,755	5,231	1,520	4,801	3,000%	1,524	4,850
4+10,000	-1,226	4,720	-1,220	4,923	3,000%	4,887	5,360	1,520	4,932	3,000%	1,523	4,830
4+13,420	-1,227	4,728	-1,220	4,874	3,000%	4,837	5,317	1,520	4,883	3,000%	1,523	4,765
RUA 29												
0+0,000	-1,374	4,248	-1,370	4,674	3,000%	4,633	5,155	1,370	4,674	3,000%	1,375	4,783
0+4,273	-1,375	4,459	-1,370	4,743	3,000%	4,702	5,174	1,370	4,743	3,000%	1,375	4,838
0+7,787	-1,375	4,513	-1,370	4,832	3,000%	4,791	5,259	1,370	4,832	3,000%	1,375	4,922
0+10,000	-1,375	4,629	-1,370	4,907	3,000%	4,865	5,347	1,370	4,907	3,000%	1,374	4,910

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
0+19,857	-1,374	4,912	-1,370	5,291	3,000%	5,250	5,706	1,370	5,291	3,000%	1,374	5,343
1+0,000	-1,374	4,922	-1,370	5,297	3,000%	5,256	5,713	1,370	5,297	3,000%	1,374	5,348
1+10,000	-1,373	5,345	-1,370	5,818	3,000%	5,777	6,124	1,370	5,818	3,000%	1,373	5,771
1+12,132	-1,373	5,421	-1,370	5,889	3,000%	5,848	6,200	1,370	5,889	3,000%	1,373	5,836
1+16,633	-1,374	5,553	-1,370	5,916	3,000%	5,875	6,354	1,370	5,916	3,000%	1,373	5,885
2+0,000	-1,375	5,521	-1,370	5,836	3,000%	5,795	6,290	1,370	5,836	3,000%	1,373	5,793
2+0,255	-1,375	5,523	-1,370	5,829	3,000%	5,788	6,287	1,370	5,829	3,000%	1,373	5,787
2+2,446	-1,375	5,470	-1,370	5,768	3,000%	5,727	6,235	1,370	5,768	3,000%	1,374	5,751
2+10,000	-1,374	5,175	-1,370	5,580	3,000%	5,539	6,027	1,370	5,580	3,000%	1,375	5,694
2+18,245	-2,068	5,007	-2,065	5,469	3,000%	5,407	5,849	1,372	5,467	3,000%	1,372	5,392
RUA ZILDA RODRIGUES SANTOS												
0+0,000	-4,327	4,679	-4,327	5,107	3,000%	5,047	5,504	2,120	5,110	3,000%	2,123	5,049
0+10,000	-2,125	4,089	-2,120	4,395	3,000%	4,332	4,831	2,120	4,395	3,000%	2,125	4,506
1+0,000	-2,125	3,895	-2,120	4,251	3,000%	4,187	4,684	2,120	4,251	3,000%	2,124	4,312
1+10,000	-2,124	3,915	-2,120	4,339	3,000%	4,276	4,716	2,120	4,339	3,000%	2,124	4,337
2+0,000	-2,124	4,034	-2,120	4,484	3,000%	4,421	4,885	2,120	4,484	3,000%	2,124	4,480
2+10,000	-2,124	4,313	-2,120	4,692	3,000%	4,628	5,073	2,120	4,692	3,000%	2,123	4,621
3+0,000	-2,124	4,534	-2,120	4,952	3,000%	4,888	5,292	2,120	4,952	3,000%	2,123	4,912
3+5,436	-2,124	4,687	-2,120	5,096	3,000%	5,033	5,419	2,181	5,098	3,000%	2,183	4,998
3+10,000	-3,685	5,024	-3,679	5,252	3,000%	5,142	5,716	2,476	5,216	3,000%	2,479	5,152
3+19,348	-1,913	5,117	-1,907	5,364	3,000%	5,306	5,886	2,181	5,372	3,000%	2,185	5,388
4+0,000	-1,969	5,119	-1,963	5,374	3,000%	5,315	5,882	2,127	5,379	3,000%	2,130	5,381
4+10,000	-2,124	5,042	-2,120	5,473	3,000%	5,409	5,898	2,120	5,473	3,000%	2,124	5,467
5+0,000	-2,124	5,143	-2,120	5,556	3,000%	5,493	5,920	2,120	5,556	3,000%	2,124	5,540
5+10,000	-2,124	5,239	-2,120	5,635	3,000%	5,572	6,033	2,120	5,635	3,000%	2,124	5,648
6+0,000	-2,125	5,325	-2,120	5,667	3,000%	5,603	6,096	2,120	5,667	3,000%	2,124	5,663
6+5,132	-2,125	5,342	-2,120	5,661	3,000%	5,597	6,062	2,120	5,661	3,000%	2,123	5,630
6+10,000	-2,125	5,334	-2,120	5,646	3,000%	5,582	6,034	3,151	5,677	3,000%	3,154	5,551
7+0,000	-2,123	5,122	-2,120	5,614	3,000%	5,551	5,948	2,172	5,616	3,000%	2,175	5,518
7+4,543	-2,123	5,078	-2,120	5,600	3,000%	5,537	5,925	2,120	5,600	3,000%	2,123	5,542
7+10,000	-2,123	5,082	-2,120	5,583	3,000%	5,520	5,921	2,120	5,583	3,000%	2,123	5,513
8+0,000	-2,123	5,035	-2,120	5,552	3,000%	5,488	5,948	2,120	5,552	3,000%	2,123	5,495
8+1,522	-2,123	5,042	-2,120	5,547	3,000%	5,484	5,949	2,120	5,547	3,000%	2,123	5,460
8+10,000	-2,124	5,073	-2,120	5,524	3,000%	5,460	5,936	2,120	5,524	3,000%	2,123	5,485
9+0,000	-2,124	5,060	-2,120	5,511	3,000%	5,448	5,908	2,120	5,511	3,000%	2,123	5,433
9+5,186	-2,119	5,117	-2,115	5,512	3,000%	5,448	5,923	2,120	5,512	3,000%	2,123	5,463
9+10,000	-2,181	5,125	-2,177	5,519	3,000%	5,453	5,969	2,120	5,517	3,000%	2,124	5,505
10+0,000	-2,309	5,260	-2,304	5,542	3,000%	5,473	6,032	2,120	5,537	3,000%	2,124	5,584
10+10,000	-2,434	5,212	-2,429	5,568	3,000%	5,495	6,026	2,120	5,558	3,000%	2,124	5,551
11+0,000	-2,556	5,119	-2,553	5,593	3,000%	5,516	6,011	2,120	5,580	3,000%	2,123	5,540
11+4,809	-2,615	5,152	-2,611	5,605	3,000%	5,527	6,022	2,120	5,590	3,000%	2,123	5,547
11+10,000	-2,624	5,205	-2,620	5,617	3,000%	5,538	6,036	2,120	5,602	3,000%	2,123	5,552
12+0,000	-2,624	5,283	-2,620	5,681	3,000%	5,602	6,062	2,120	5,666	3,000%	2,123	5,569
12+10,000	-2,625	5,643	-2,620	5,945	3,000%	5,866	6,350	2,120	5,930	3,000%	2,123	5,860
12+13,028	-2,626	5,753	-2,620	5,997	3,000%	5,918	6,445	2,120	5,982	3,000%	2,124	5,959
13+0,000	-2,627	5,939	-2,620	6,015	3,000%	5,937	6,421	2,120	6,000	3,000%	2,123	5,944
13+4,215	-2,626	5,814	-2,620	5,995	3,000%	5,917	6,410	2,120	5,980	3,000%	2,123	5,921
13+10,000	-2,625	5,678	-2,620	5,968	3,000%	5,889	6,399	2,120	5,953	3,000%	2,123	5,897

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
14+0,000	-2,625	5,580	-2,620	5,920	3,000%	5,842	6,345	2,120	5,905	3,000%	2,123	5,849
14+10,000	-2,625	5,527	-2,620	5,873	3,000%	5,795	6,285	2,120	5,858	3,000%	2,123	5,799
15+0,000	-2,624	5,505	-2,620	5,878	3,000%	5,799	6,248	2,120	5,863	3,000%	2,123	5,759
15+10,000	-2,624	5,599	-2,620	5,963	3,000%	5,885	6,331	2,120	5,948	3,000%	2,122	5,806
16+0,000	-2,625	5,746	-2,620	6,080	3,000%	6,002	6,375	2,120	6,065	3,000%	2,122	5,861
16+10,000	-2,625	5,885	-2,620	6,197	3,000%	6,119	6,530	2,120	6,182	3,000%	2,122	6,041
17+0,000	-2,626	6,081	-2,620	6,278	3,000%	6,200	6,715	2,120	6,263	3,000%	2,123	6,232
17+10,000	-2,626	6,049	-2,620	6,240	3,000%	6,161	6,674	2,120	6,225	3,000%	2,124	6,205
17+18,355	-2,627	6,041	-2,620	6,178	3,000%	6,099	6,640	2,120	6,163	3,000%	2,125	6,320
18+0,000	-2,627	6,033	-2,620	6,166	3,000%	6,087	6,633	2,120	6,151	3,000%	2,125	6,301
18+10,000	-2,627	5,945	-2,620	6,092	3,000%	6,013	6,581	2,120	6,077	3,000%	2,124	6,144
19+0,000	-2,624	5,620	-2,620	6,018	3,000%	5,939	6,453	2,120	6,003	3,000%	2,124	6,013
19+10,000	-2,624	5,498	-2,620	5,943	3,000%	5,865	6,337	2,120	5,928	3,000%	2,123	5,892
20+0,000	-2,623	5,409	-2,620	5,874	3,000%	5,796	6,288	2,120	5,859	3,000%	2,124	5,842
20+10,000	-2,623	5,350	-2,620	5,838	3,000%	5,760	6,235	2,120	5,823	3,000%	2,124	5,808
21+0,000	-2,623	5,361	-2,620	5,841	3,000%	5,762	6,242	2,120	5,826	3,000%	2,124	5,811
21+10,000	-2,623	5,388	-2,620	5,881	3,000%	5,803	6,250	2,120	5,866	3,000%	2,123	5,806
21+12,426	-2,623	5,395	-2,620	5,897	3,000%	5,818	6,252	2,120	5,882	3,000%	2,123	5,802
22+0,000	-2,164	5,490	-2,160	5,946	3,000%	5,881	6,284	2,120	5,945	3,000%	2,123	5,822
22+1,931	-2,125	5,508	-2,122	5,965	3,000%	5,901	6,307	2,120	5,964	3,000%	2,123	5,838
22+10,000	-2,124	5,603	-2,120	6,057	3,000%	5,993	6,412	2,120	6,057	3,000%	2,122	5,903
22+18,758	-2,124	5,749	-2,120	6,157	3,000%	6,094	6,536	2,120	6,157	3,000%	2,123	6,080
23+0,000	-2,124	5,772	-2,120	6,170	3,000%	6,107	6,555	2,120	6,170	3,000%	2,123	6,135
23+10,000	-2,124	5,892	-2,120	6,264	3,000%	6,201	6,677	2,120	6,264	3,000%	2,122	6,132
24+0,000	-2,125	6,009	-2,120	6,337	3,000%	6,274	6,742	2,120	6,337	3,000%	2,122	6,185
24+10,000	-2,124	6,022	-2,120	6,393	3,000%	6,329	6,774	2,120	6,393	3,000%	2,123	6,331
24+10,179	-2,124	6,022	-2,120	6,394	3,000%	6,330	6,774	2,120	6,394	3,000%	2,123	6,333
24+15,922	-2,124	6,050	-2,120	6,425	3,000%	6,361	6,820	2,120	6,425	3,000%	2,124	6,402
25+0,000	-2,124	6,042	-2,120	6,447	3,000%	6,383	6,839	2,120	6,447	3,000%	2,124	6,424
25+9,593	-2,124	6,133	-2,124	6,495	3,000%	6,435	6,869	3,482	6,495	3,000%	3,482	6,441
RUA DE RUA A												
0+3,080	-2,054	5,894	-2,052	5,726	3,000%	5,665	5,892	2,486	5,739	3,000%	2,489	5,619
0+10,000	-1,423	5,732	-1,420	5,350	3,000%	5,308	5,657	1,420	5,350	3,000%	1,424	5,326
1+0,000	-1,423	5,386	-1,420	5,032	3,000%	4,989	5,396	1,420	5,032	3,000%	1,424	5,020
1+8,650	-1,424	5,207	-1,420	4,787	3,000%	4,745	5,184	1,420	4,787	3,000%	1,424	4,784
1+10,000	-1,424	5,176	-1,420	4,749	3,000%	4,706	5,152	1,420	4,749	3,000%	1,424	4,745
1+14,986	-1,424	5,108	-1,420	4,608	3,000%	4,565	5,033	1,420	4,608	3,000%	1,426	4,779
2+0,000	-1,424	4,894	-1,420	4,466	3,000%	4,423	4,901	1,420	4,466	3,000%	1,426	4,657
2+10,000	-1,650	4,639	-1,646	4,222	3,000%	4,173	4,657	1,420	4,215	3,000%	1,425	4,345
2+10,942	-2,060	4,635	-2,056	4,216	3,000%	4,155	4,641	1,420	4,197	3,000%	1,425	4,327
2+17,187	-2,719	4,760	-2,713	4,142	3,000%	4,060	4,558	1,420	4,103	3,000%	1,424	4,103
3+0,000	-1,841	4,604	-1,836	4,087	3,000%	4,032	4,544	1,420	4,075	3,000%	1,424	4,081
3+4,057	-1,425	4,633	-1,420	4,049	3,000%	4,006	4,545	1,420	4,049	3,000%	1,424	4,063
3+10,000	-1,426	4,637	-1,420	4,016	3,000%	3,973	4,528	1,420	4,016	3,000%	1,424	4,001
4+0,000	-1,426	4,581	-1,420	3,960	3,000%	3,918	4,364	1,420	3,960	3,000%	1,424	3,996
4+10,000	-1,425	4,425	-1,420	3,905	3,000%	3,862	4,317	1,420	3,905	3,000%	1,424	3,910
5+0,000	-1,424	4,296	-1,420	3,849	3,000%	3,807	4,225	1,420	3,849	3,000%	1,423	3,815
5+3,562	-1,426	4,266	-1,422	3,830	3,000%	3,787	4,214	1,407	3,829	3,000%	1,411	3,875

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
5+10,000	-1,461	4,270	-1,457	3,795	3,000%	3,751	4,199	1,323	3,791	3,000%	1,327	3,806
5+16,666	-1,497	4,217	-1,493	3,759	3,000%	3,714	4,187	1,420	3,757	3,000%	1,424	3,809
6+0,000	-1,553	4,222	-1,549	3,742	3,000%	3,696	4,181	1,543	3,742	3,000%	1,547	3,792
6+10,000	-1,916	4,154	-1,912	3,697	3,000%	3,640	4,162	1,910	3,697	3,000%	1,914	3,765
6+16,227	-2,145	4,121	-2,141	3,670	3,000%	3,605	4,144	2,000	3,665	3,000%	2,004	3,698
TRAVESSA 419												
0+1,244	-2,003	5,570	-2,000	5,183	3,000%	5,123	5,547	2,000	5,183	3,000%	2,004	5,184
0+9,754	-1,524	5,601	-1,520	5,128	3,000%	5,083	5,549	1,520	5,128	3,000%	1,524	5,172
0+10,000	-1,524	5,603	-1,520	5,127	3,000%	5,081	5,548	1,520	5,127	3,000%	1,524	5,172
0+13,527	-1,524	5,594	-1,520	5,116	3,000%	5,070	5,541	1,520	5,116	3,000%	1,524	5,160
1+0,000	-1,523	5,645	-1,519	5,125	3,000%	5,080	5,541	1,520	5,125	3,000%	1,524	5,138
1+0,126	-1,525	5,642	-1,520	5,126	3,000%	5,080	5,543	1,520	5,126	3,000%	1,524	5,138
1+10,000	-1,524	5,610	-1,520	5,161	3,000%	5,116	5,645	1,518	5,161	3,000%	1,521	5,149
2+0,000	-1,524	5,658	-1,520	5,167	3,000%	5,121	5,591	1,508	5,166	3,000%	1,512	5,197
2+7,383	-2,004	5,586	-2,000	5,180	3,000%	5,120	5,600	3,018	5,211	3,000%	3,021	5,145
RUA QUATROCENTOS E DEZENOVE												
0+0,000	-1,071	5,380	-1,062	4,911	3,000%	4,851	5,331	1,046	4,883	3,000%	1,050	4,865
0+9,740	-1,524	5,595	-1,520	5,162	3,000%	5,116	5,567	1,135	5,150	3,000%	1,139	5,152
0+10,000	-1,524	5,593	-1,520	5,161	3,000%	5,116	5,568	1,138	5,150	3,000%	1,142	5,148
1+0,000	-1,524	5,514	-1,520	5,075	3,000%	5,030	5,521	1,259	5,067	3,000%	1,263	5,088
1+10,000	-1,523	5,379	-1,520	5,007	3,000%	4,961	5,421	1,379	5,003	3,000%	1,383	5,042
2+0,000	-1,524	5,425	-1,520	4,977	3,000%	4,931	5,391	1,500	4,976	3,000%	1,504	4,978
2+1,676	-1,536	5,453	-1,531	4,976	3,000%	4,930	5,393	1,518	4,975	3,000%	1,522	4,973
2+10,000	-1,711	5,352	-1,708	4,990	3,000%	4,939	5,412	1,522	4,985	3,000%	1,526	4,985
2+11,103	-1,723	5,361	-1,720	4,994	3,000%	4,942	5,415	1,520	4,988	3,000%	1,524	4,993
3+0,000	-1,724	5,442	-1,720	5,016	3,000%	4,964	5,442	1,520	5,010	3,000%	1,524	4,992
3+10,000	-1,723	5,386	-1,720	5,017	3,000%	4,966	5,459	1,520	5,011	3,000%	1,523	4,968
4+0,000	-1,724	5,436	-1,720	4,987	3,000%	4,935	5,438	1,520	4,981	3,000%	1,524	4,988
4+10,000	-1,724	5,381	-1,720	4,956	3,000%	4,904	5,394	1,520	4,950	3,000%	1,524	4,942
4+16,328	-1,724	5,385	-1,720	4,933	3,000%	4,882	5,408	1,520	4,927	3,000%	1,524	4,985
5+0,000	-1,725	5,486	-1,720	4,912	3,000%	4,860	5,387	1,520	4,906	3,000%	1,524	4,958
5+0,568	-1,725	5,477	-1,720	4,908	3,000%	4,856	5,384	1,520	4,902	3,000%	1,524	4,954
5+7,428	-1,724	5,301	-1,720	4,844	3,000%	4,792	5,318	1,520	4,838	3,000%	1,524	4,900
5+10,000	-1,724	5,262	-1,720	4,813	3,000%	4,761	5,269	1,520	4,807	3,000%	1,524	4,865
5+11,002	-1,724	5,245	-1,720	4,800	3,000%	4,748	5,251	1,520	4,794	3,000%	1,524	4,840
6+0,000	-1,723	5,018	-1,720	4,657	3,000%	4,605	5,046	1,520	4,651	3,000%	1,524	4,711
6+10,000	-1,723	4,794	-1,720	4,483	3,000%	4,432	4,871	1,520	4,477	3,000%	1,524	4,510
6+13,164	-1,722	4,733	-1,720	4,435	3,000%	4,383	4,795	1,520	4,429	3,000%	1,524	4,418
6+17,989	-1,881	4,717	-1,878	4,377	3,000%	4,320	4,783	1,520	4,366	3,000%	1,524	4,405
7+0,000	-1,923	4,716	-1,920	4,356	3,000%	4,298	4,781	1,520	4,344	3,000%	1,524	4,402
7+2,788	-1,923	4,680	-1,920	4,328	3,000%	4,271	4,754	1,520	4,316	3,000%	1,524	4,341
7+5,284	-1,923	4,678	-1,920	4,307	3,000%	4,250	4,691	1,520	4,295	3,000%	1,523	4,260
7+10,000	-1,923	4,673	-1,920	4,277	3,000%	4,220	4,697	1,520	4,265	3,000%	1,523	4,231
7+14,347	-1,923	4,650	-1,920	4,261	3,000%	4,203	4,688	1,520	4,249	3,000%	1,524	4,251
8+0,000	-1,924	4,713	-1,920	4,253	3,000%	4,195	4,707	1,520	4,241	3,000%	1,524	4,253
8+1,984	-1,924	4,732	-1,920	4,251	3,000%	4,193	4,710	1,520	4,239	3,000%	1,524	4,246
8+8,103	-1,924	4,685	-1,920	4,245	3,000%	4,187	4,682	1,520	4,233	3,000%	1,524	4,261
8+10,000	-1,924	4,666	-1,920	4,243	3,000%	4,185	4,674	1,514	4,231	3,000%	1,518	4,232

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
8+15,088	-1,924	4,667	-1,920	4,238	3,000%	4,180	4,763	1,548	4,227	3,000%	1,554	4,389
9+0,000	-1,925	4,749	-1,920	4,233	3,000%	4,175	4,890	1,920	4,233	3,000%	1,927	4,546
9+10,000	-1,925	4,747	-1,920	4,223	3,000%	4,166	4,746	1,920	4,223	3,000%	1,926	4,415
10+0,000	-1,923	4,546	-1,920	4,214	3,000%	4,156	4,583	1,920	4,214	3,000%	1,923	4,176
10+10,000	-1,923	4,592	-1,920	4,204	3,000%	4,146	4,623	1,920	4,204	3,000%	1,924	4,215
10+14,291	-1,924	4,658	-1,920	4,200	3,000%	4,142	4,653	1,920	4,200	3,000%	1,924	4,212
RUA 20												
0+0,000	-1,700	5,347	-1,696	4,906	3,000%	4,846	5,326	1,619	4,895	3,000%	1,623	4,911
0+10,000	-1,701	5,456	-1,696	4,926	3,000%	4,875	5,353	1,849	4,931	3,000%	1,854	4,969
0+17,931	-3,403	5,382	-3,396	5,013	3,000%	4,953	5,303	2,509	5,029	3,000%	2,512	4,926
RUA QUATROCENTOS E DEZENOVE II												
0+0,000	-4,157	5,879	-4,142	5,386	3,000%	5,326	5,806	2,939	5,414	3,000%	2,943	5,439
0+10,000	-1,720	4,957	-1,720	4,897	3,000%	4,845	3,600	2,120	4,909	3,000%	3,456	3,741
1+0,000	-1,726	5,011	-1,720	4,339	3,000%	4,287	3,422	2,120	4,351	3,000%	2,819	3,608
1+10,000	-1,722	4,185	-1,720	3,895	3,000%	3,843	3,311	2,120	3,907	3,000%	2,371	3,634
1+14,615	-1,915	3,875	-1,720	3,776	3,000%	3,724	3,325	2,120	3,788	3,000%	2,122	3,599
2+0,000	-1,721	3,877	-1,720	3,680	3,000%	3,629	3,320	2,120	3,692	3,000%	2,122	3,507
2+10,000	-1,724	4,064	-1,720	3,658	3,000%	3,607	3,422	2,120	3,670	3,000%	2,122	3,443
3+0,000	-1,887	3,878	-1,720	3,835	3,000%	3,784	3,486	2,120	3,847	3,000%	2,445	3,354
3+10,000	-1,914	4,038	-1,720	4,013	3,000%	3,962	4,232	2,120	4,025	3,000%	2,123	3,967
3+12,775	-1,732	4,282	-1,730	4,063	3,000%	4,011	4,523	2,120	4,075	3,000%	2,126	4,304
4+0,000	-2,123	4,541	-2,120	4,189	3,000%	4,126	4,616	2,120	4,189	3,000%	2,124	4,187
4+10,000	-2,123	4,535	-2,120	4,210	3,000%	4,146	4,594	2,120	4,210	3,000%	2,123	4,159
5+0,000	-2,125	4,628	-2,120	4,070	3,000%	4,006	4,519	2,120	4,070	3,000%	2,124	4,067
5+1,823	-2,126	4,643	-2,120	4,039	3,000%	3,975	4,506	2,120	4,039	3,000%	2,124	4,057
5+6,501	-2,126	4,570	-2,120	3,959	3,000%	3,895	4,455	2,120	3,959	3,000%	2,125	4,109
5+10,000	-2,125	4,490	-2,120	3,899	3,000%	3,836	4,412	2,498	3,911	3,000%	2,505	4,157
6+0,000	-2,125	4,302	-2,120	3,749	3,000%	3,686	4,162	2,120	3,749	3,000%	2,124	3,767
6+10,000	-2,126	4,370	-2,120	3,685	3,000%	3,622	4,114	2,120	3,685	3,000%	2,125	3,799
7+0,000	-2,126	4,293	-2,120	3,630	3,000%	3,566	4,022	2,120	3,630	3,000%	2,127	3,994
7+4,570	-2,126	4,268	-2,120	3,605	3,000%	3,541	4,038	2,120	3,605	3,000%	2,127	3,974
7+10,000	-2,127	4,350	-2,120	3,575	3,000%	3,511	4,053	2,120	3,575	3,000%	2,125	3,697
8+0,000	-2,125	4,134	-2,120	3,539	3,000%	3,475	4,000	2,120	3,539	3,000%	2,126	3,751
8+10,000	-2,124	4,004	-2,120	3,533	3,000%	3,470	3,947	2,120	3,533	3,000%	2,127	3,885
8+10,696	-2,124	3,991	-2,120	3,534	3,000%	3,470	3,947	2,120	3,534	3,000%	2,127	3,899
9+0,000	-2,122	3,841	-2,120	3,558	3,000%	3,494	3,869	2,120	3,558	3,000%	4,117	4,176
9+10,000	-2,122	3,888	-2,120	3,594	3,000%	3,530	3,915	2,120	3,594	3,000%	2,127	3,912
10+0,000	-2,122	3,884	-2,120	3,630	3,000%	3,567	3,912	2,120	3,630	3,000%	2,126	3,822
10+10,000	-2,123	4,033	-2,120	3,666	3,000%	3,603	4,053	2,120	3,666	3,000%	2,125	3,794
10+14,735	-2,123	4,071	-2,120	3,684	3,000%	3,620	4,122	2,120	3,684	3,000%	2,126	3,942
11+0,000	-2,124	4,118	-2,120	3,703	3,000%	3,639	4,109	2,120	3,703	3,000%	2,126	3,946
11+10,000	-2,123	4,093	-2,120	3,739	3,000%	3,675	4,114	3,389	3,777	3,000%	3,393	3,851
11+14,621	-2,123	4,082	-2,120	3,756	3,000%	3,692	4,092	2,476	3,766	3,000%	2,479	3,744
12+0,000	-2,123	4,081	-2,120	3,775	3,000%	3,711	4,123	2,120	3,775	3,000%	2,123	3,672
12+10,000	-2,124	4,274	-2,120	3,811	3,000%	3,748	4,200	2,120	3,811	3,000%	2,121	3,532
12+18,155	-1,912	4,342	-1,908	3,834	3,000%	3,777	4,263	2,146	3,842	3,000%	2,146	3,509
13+0,000	-1,711	4,375	-1,706	3,835	3,000%	3,784	4,268	2,120	3,848	3,000%	2,120	3,490
13+2,093	-1,629	4,447	-1,623	3,840	3,000%	3,792	4,294	1,962	3,850	3,000%	1,963	3,563

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
13+3,445	-1,625	4,440	-1,620	3,845	3,000%	3,796	4,309	1,805	3,851	3,000%	1,806	3,617
13+8,167	-1,625	4,442	-1,620	3,862	3,000%	3,814	4,318	1,620	3,862	3,000%	1,622	3,646
13+10,000	-1,626	4,503	-1,620	3,869	3,000%	3,820	4,320	1,620	3,869	3,000%	1,622	3,686
13+12,185	-1,625	4,453	-1,620	3,877	3,000%	3,828	4,322	1,620	3,877	3,000%	1,622	3,724
13+15,516	-1,624	4,322	-1,620	3,889	3,000%	3,840	4,377	3,118	3,934	3,000%	3,122	3,902
14+0,000	-1,623	4,247	-1,620	3,905	3,000%	3,856	4,404	2,350	3,927	3,000%	2,354	3,954
14+1,298	-1,623	4,223	-1,620	3,910	3,000%	3,861	4,376	1,687	3,912	3,000%	1,691	3,910
14+3,554	-1,622	4,176	-1,620	3,918	3,000%	3,869	4,324	1,620	3,918	3,000%	1,620	3,586
14+10,000	-1,622	4,154	-1,620	3,936	3,000%	3,887	4,356	1,620	3,936	3,000%	1,622	3,713
14+16,301	-1,621	4,132	-1,620	3,942	3,000%	3,894	4,401	1,620	3,942	3,000%	1,623	3,908
15+0,000	-1,624	4,414	-1,620	3,941	3,000%	3,893	4,373	1,620	3,941	3,000%	1,622	3,740
15+10,000	-1,624	4,354	-1,620	3,920	3,000%	3,871	4,331	1,620	3,920	3,000%	1,624	3,931
16+0,000	-1,622	4,117	-1,620	3,877	3,000%	3,828	4,300	1,620	3,877	3,000%	1,624	3,898
16+2,629	-1,621	4,047	-1,620	3,865	3,000%	3,817	4,229	1,620	3,865	3,000%	1,625	3,963
16+10,000	-2,123	4,161	-2,120	3,847	3,000%	3,784	4,133	2,120	3,847	3,000%	2,124	3,895
16+19,981	-2,123	4,192	-2,120	3,805	3,000%	3,741	4,134	2,120	3,805	3,000%	2,124	3,788
17+0,000	-2,123	4,193	-2,120	3,805	3,000%	3,741	4,135	2,120	3,805	3,000%	2,124	3,788
17+10,000	-2,127	4,494	-2,120	3,766	3,000%	3,702	4,326	2,995	3,792	3,000%	3,001	4,026
17+12,852	-2,126	4,418	-2,120	3,755	3,000%	3,691	4,153	2,300	3,760	3,000%	2,306	3,978
17+17,173	-2,127	4,501	-2,120	3,738	3,000%	3,674	3,892	2,120	3,738	3,000%	2,124	3,741
18+0,000	-2,127	4,486	-2,120	3,727	3,000%	3,663	3,897	2,120	3,727	3,000%	2,122	3,592
18+10,000	-2,126	4,433	-2,120	3,753	3,000%	3,690	4,115	2,120	3,753	3,000%	2,120	3,417
19+0,000	-2,124	4,496	-2,120	4,010	3,000%	3,946	4,112	2,120	4,010	3,000%	2,121	3,756
19+4,116	-2,192	4,490	-2,189	4,126	3,000%	4,060	4,397	3,088	4,153	3,000%	3,089	3,960
19+16,864	-2,022	4,345	-2,020	4,082	3,000%	4,021	4,379	2,120	4,085	3,000%	2,122	3,893
20+0,000	-1,974	4,349	-1,972	4,048	3,000%	3,989	4,361	2,120	4,053	3,000%	2,122	3,862
20+3,349	-1,817	4,357	-1,814	4,009	3,000%	3,954	4,320	2,120	4,018	3,000%	2,122	3,839
20+10,000	-1,459	4,391	-1,455	3,930	3,000%	3,886	4,254	2,120	3,950	3,000%	2,122	3,796
21+0,000	-1,426	4,452	-1,420	3,850	3,000%	3,807	4,329	2,120	3,871	3,000%	2,123	3,764
21+8,664	-1,524	4,264	-1,520	3,814	3,000%	3,769	4,253	2,120	3,832	3,000%	2,122	3,692
21+10,000	-1,524	4,250	-1,520	3,811	3,000%	3,765	4,251	2,125	3,829	3,000%	2,128	3,713
21+18,898	-1,524	4,268	-1,520	3,805	3,000%	3,759	4,243	1,519	3,805	3,000%	1,523	3,850
22+0,000	-1,524	4,217	-1,520	3,806	3,000%	3,760	4,239	1,520	3,806	3,000%	1,524	3,824
22+10,000	-1,524	4,275	-1,520	3,814	3,000%	3,769	4,249	1,520	3,814	3,000%	1,523	3,760
22+16,082	-1,524	4,310	-1,520	3,820	3,000%	3,774	4,250	1,520	3,820	3,000%	1,523	3,701
23+0,000	-1,524	4,320	-1,520	3,823	3,000%	3,777	4,277	1,520	3,823	3,000%	1,523	3,756
23+10,000	-1,526	4,473	-1,520	3,831	3,000%	3,786	4,330	1,520	3,831	3,000%	1,525	3,922
24+0,000	-1,524	4,241	-1,520	3,840	3,000%	3,794	4,326	1,520	3,840	3,000%	1,524	3,849
24+10,000	-1,524	4,253	-1,520	3,848	3,000%	3,803	4,318	1,520	3,848	3,000%	1,524	3,863
24+12,753	-1,524	4,274	-1,520	3,851	3,000%	3,805	4,318	1,520	3,851	3,000%	1,524	3,867
24+15,671	-1,825	4,387	-1,820	3,862	3,000%	3,808	4,363	1,820	3,862	3,000%	1,824	3,844
25+0,000	-1,827	4,570	-1,820	3,866	3,000%	3,811	4,430	1,820	3,866	3,000%	1,824	3,889
25+10,000	-1,825	4,393	-1,820	3,874	3,000%	3,820	4,371	1,820	3,874	3,000%	1,824	3,865
25+11,420	-1,825	4,381	-1,820	3,875	3,000%	3,821	4,357	1,820	3,875	3,000%	1,823	3,844
26+0,000	-1,823	4,276	-1,820	3,899	3,000%	3,845	4,308	1,820	3,899	3,000%	1,823	3,839
26+10,000	-5,472	4,302	-5,470	4,089	3,000%	3,925	4,392	1,820	3,979	3,000%	1,823	3,895
26+18,340	-1,823	4,381	-1,820	4,060	3,000%	4,006	4,492	1,694	4,056	3,000%	1,698	4,000
27+0,000	-1,772	4,421	-1,769	4,075	3,000%	4,022	4,507	1,514	4,067	3,000%	1,517	4,039

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
27+2,102	-1,579	4,471	-1,576	4,089	3,000%	4,042	4,524	1,420	4,085	3,000%	1,424	4,086
27+4,356	-1,427	4,494	-1,424	4,106	3,000%	4,064	4,529	1,420	4,106	3,000%	1,424	4,092
27+8,357	-1,423	4,540	-1,420	4,145	3,000%	4,102	4,561	1,420	4,145	3,000%	1,423	4,094
27+10,000	-1,423	4,553	-1,420	4,161	3,000%	4,118	4,581	1,420	4,161	3,000%	1,423	4,101
28+0,000	-1,423	4,632	-1,420	4,258	3,000%	4,215	4,786	1,420	4,258	3,000%	1,426	4,444
28+4,311	-1,422	4,560	-1,420	4,274	3,000%	4,232	4,851	1,420	4,274	3,000%	1,427	4,547
28+8,847	-1,423	4,626	-1,420	4,238	3,000%	4,195	4,671	1,420	4,238	3,000%	1,425	4,386
28+10,000	-1,423	4,609	-1,420	4,224	3,000%	4,181	4,659	1,420	4,224	3,000%	1,425	4,326
28+13,387	-1,423	4,565	-1,420	4,183	3,000%	4,141	4,624	1,420	4,183	3,000%	1,423	4,150
28+17,742	-1,423	4,552	-1,420	4,164	3,000%	4,122	4,604	1,420	4,164	3,000%	1,423	4,126
29+0,000	-1,423	4,569	-1,420	4,175	3,000%	4,133	4,610	1,420	4,175	3,000%	1,424	4,236
29+6,272	-3,713	4,652	-3,710	4,330	3,000%	4,219	4,770	2,000	4,279	3,000%	2,005	4,413
RUA QUATROCENTOS E DEZOITO												
0+10,000	-3,303	6,257	-3,299	5,773	3,000%	5,674	6,168	3,120	5,768	3,000%	3,124	5,817
1+0,000	-3,125	5,677	-3,120	5,152	3,000%	5,058	5,510	3,120	5,152	3,000%	3,123	5,098
1+10,000	-3,127	5,705	-3,120	4,988	3,000%	4,894	5,266	3,120	4,988	3,000%	3,121	4,758
2+0,000	-3,127	5,623	-3,120	4,877	3,000%	4,783	5,114	3,120	4,877	3,000%	3,122	4,677
2+10,000	-3,125	5,247	-3,120	4,711	3,000%	4,617	4,977	3,120	4,711	3,000%	3,122	4,554
3+0,000	-3,123	4,868	-3,120	4,565	3,000%	4,471	4,876	3,120	4,565	3,000%	3,122	4,433
3+8,307	-3,124	4,900	-3,120	4,497	3,000%	4,404	4,825	3,120	4,497	3,000%	3,123	4,442
3+10,000	-3,124	4,927	-3,120	4,489	3,000%	4,396	4,825	3,120	4,489	3,000%	3,123	4,446
4+0,000	-3,124	4,955	-3,120	4,484	3,000%	4,391	4,915	3,120	4,484	3,000%	3,124	4,492
4+5,431	-3,125	5,056	-3,120	4,504	3,000%	4,410	4,951	3,120	4,504	3,000%	3,124	4,549
4+10,000	-3,125	5,041	-3,120	4,520	3,000%	4,426	4,976	3,120	4,520	3,000%	3,124	4,556
4+18,740	-3,124	4,957	-3,120	4,551	3,000%	4,458	4,962	3,120	4,551	3,000%	3,124	4,542
5+0,000	-3,100	4,965	-3,096	4,555	3,000%	4,462	4,960	3,120	4,556	3,000%	3,124	4,531
5+5,402	-2,599	4,976	-2,596	4,560	3,000%	4,482	4,948	3,120	4,575	3,000%	3,123	4,520
5+10,000	-2,324	4,981	-2,320	4,568	3,000%	4,498	4,944	3,102	4,591	3,000%	3,105	4,496
6+0,000	-2,324	5,045	-2,320	4,602	3,000%	4,532	4,996	3,063	4,624	3,000%	3,066	4,526
6+10,000	-2,324	5,091	-2,320	4,619	3,000%	4,550	5,053	3,023	4,640	3,000%	3,026	4,554
7+0,000	-2,324	5,085	-2,320	4,616	3,000%	4,547	5,050	2,984	4,636	3,000%	2,987	4,537
7+10,000	-2,324	5,081	-2,320	4,595	3,000%	4,526	5,048	2,945	4,614	3,000%	2,948	4,564
8+0,000	-2,324	4,976	-2,320	4,571	3,000%	4,501	4,997	2,906	4,588	3,000%	2,909	4,527
8+10,000	-2,324	4,981	-2,320	4,547	3,000%	4,477	4,959	2,867	4,563	3,000%	2,870	4,522
9+0,000	-2,325	5,056	-2,320	4,527	3,000%	4,457	4,933	2,827	4,542	3,000%	2,831	4,536
9+10,000	-2,324	5,040	-2,320	4,554	3,000%	4,485	4,955	2,788	4,568	3,000%	2,792	4,548
10+0,000	-2,324	5,106	-2,320	4,638	3,000%	4,568	5,025	2,749	4,650	3,000%	2,752	4,612
10+10,000	-2,325	5,330	-2,320	4,754	3,000%	4,684	5,165	2,710	4,765	3,000%	2,713	4,703
11+0,000	-2,324	5,294	-2,320	4,849	3,000%	4,780	5,324	3,550	4,886	3,000%	3,553	4,804
11+8,554	-2,004	5,188	-2,000	4,694	3,000%	4,634	5,114	2,637	4,713	3,000%	2,640	4,620
RUA VINTE E SETE												
0+0,000	-1,325	5,433	-1,320	4,928	3,000%	4,888	5,368	1,320	4,928	3,000%	1,323	4,874
0+10,000	-1,323	5,082	-1,320	4,727	3,000%	4,687	5,169	1,320	4,727	3,000%	1,323	4,630
1+0,000	-1,324	5,094	-1,320	4,610	3,000%	4,570	5,179	1,320	4,610	3,000%	1,325	4,693
1+10,000	-1,324	5,037	-1,320	4,576	3,000%	4,537	5,225	1,320	4,576	3,000%	1,326	4,790
2+0,000	-1,324	4,965	-1,320	4,543	3,000%	4,504	4,984	1,320	4,543	3,000%	1,324	4,610
2+10,000	-1,324	4,963	-1,320	4,510	3,000%	4,471	4,999	1,320	4,510	3,000%	1,324	4,574
2+19,828	-1,324	4,971	-1,320	4,477	3,000%	4,438	4,981	1,320	4,477	3,000%	1,325	4,570

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
3+0,000	-1,324	4,971	-1,320	4,477	3,000%	4,437	4,980	1,320	4,477	3,000%	1,325	4,570
3+4,852	-1,325	5,039	-1,320	4,461	3,000%	4,421	4,974	1,320	4,461	3,000%	1,325	4,586
3+10,000	-1,325	5,018	-1,320	4,444	3,000%	4,404	4,971	1,320	4,444	3,000%	1,326	4,661
4+0,000	-1,324	4,885	-1,320	4,411	3,000%	4,371	4,887	1,320	4,411	3,000%	1,324	4,471
4+1,190	-1,324	4,888	-1,320	4,407	3,000%	4,367	4,871	1,320	4,407	3,000%	1,324	4,431
4+7,913	-1,324	4,807	-1,320	4,395	3,000%	4,355	4,813	1,320	4,395	3,000%	1,323	4,324
4+10,000	-1,323	4,808	-1,320	4,410	3,000%	4,370	4,788	1,320	4,410	3,000%	1,323	4,358
5+0,000	-1,324	5,100	-1,320	4,614	3,000%	4,574	5,065	1,320	4,614	3,000%	1,324	4,648
5+10,000	-1,859	5,044	-1,855	4,626	3,000%	4,570	5,011	1,320	4,610	3,000%	1,324	4,584
5+10,461	-1,664	5,033	-1,660	4,609	3,000%	4,559	5,002	1,320	4,599	3,000%	1,324	4,575
5+18,916	-1,524	4,721	-1,520	4,317	3,000%	4,271	4,779	1,320	4,311	3,000%	1,325	4,418
6+0,000	-1,523	4,667	-1,520	4,278	3,000%	4,232	4,737	1,320	4,272	3,000%	1,325	4,377
6+10,000	-1,522	4,170	-1,520	3,919	3,000%	3,873	4,352	1,320	3,913	3,000%	1,325	4,084
6+13,019	-1,521	4,037	-1,520	3,846	3,000%	3,800	4,258	1,320	3,840	3,000%	1,326	4,019
6+14,219	-1,522	4,042	-1,520	3,830	3,000%	3,784	4,238	1,320	3,824	3,000%	1,326	3,997
7+0,000	-1,524	4,265	-1,520	3,848	3,000%	3,802	4,300	1,320	3,842	3,000%	1,325	3,939
7+10,000	-1,525	4,502	-1,520	3,975	3,000%	3,929	4,406	1,320	3,969	3,000%	1,325	4,055
8+0,000	-1,524	4,425	-1,520	3,940	3,000%	3,894	4,378	1,320	3,934	3,000%	1,325	4,018
8+10,000	-1,523	4,228	-1,520	3,887	3,000%	3,841	4,287	1,320	3,881	3,000%	1,324	3,891
8+13,550	-1,784	4,285	-1,781	3,902	3,000%	3,849	4,263	2,000	3,909	3,000%	2,004	3,978
RUA VINTE E OITO												
0+2,157	-3,450	5,206	-3,440	4,749	3,000%	4,689	5,154	3,693	4,799	3,000%	3,695	4,632
0+10,000	-2,624	5,194	-2,620	4,746	3,000%	4,668	5,136	2,620	4,746	3,000%	2,623	4,631
1+0,000	-2,623	5,175	-2,620	4,787	3,000%	4,709	5,185	2,620	4,787	3,000%	2,623	4,743
1+5,406	-3,430	5,221	-3,420	4,940	3,000%	4,880	5,235	3,196	4,975	3,000%	3,198	4,733
RUA ARLINGTON												
0+10,000	-2,622	5,677	-2,620	5,390	3,000%	5,311	5,717	2,620	5,390	3,000%	2,623	5,275
1+0,000	-2,624	5,301	-2,620	4,899	3,000%	4,821	5,334	2,620	4,899	3,000%	2,625	5,001
1+10,000	-2,626	5,379	-2,620	4,731	3,000%	4,653	5,177	2,620	4,731	3,000%	2,625	4,901
2+0,000	-2,625	5,243	-2,620	4,703	3,000%	4,624	5,129	2,620	4,703	3,000%	2,625	4,861
2+10,000	-2,623	5,051	-2,620	4,675	3,000%	4,596	5,105	2,620	4,675	3,000%	2,626	4,940
2+19,049	-2,624	5,069	-2,620	4,649	3,000%	4,570	5,050	2,620	4,649	3,000%	2,627	4,938
3+0,000	-2,624	5,055	-2,620	4,646	3,000%	4,568	5,048	2,620	4,646	3,000%	2,627	4,929
3+10,000	-2,622	4,914	-2,620	4,618	3,000%	4,539	5,025	2,620	4,618	3,000%	2,624	4,662
4+0,000	-2,624	5,050	-2,620	4,601	3,000%	4,523	4,984	2,620	4,601	3,000%	2,624	4,633
4+10,000	-2,624	5,026	-2,620	4,610	3,000%	4,532	4,983	2,620	4,610	3,000%	2,625	4,713
4+12,910	-2,624	5,083	-2,620	4,617	3,000%	4,539	4,991	2,620	4,617	3,000%	2,625	4,773
4+17,345	-2,624	5,080	-2,620	4,632	3,000%	4,554	5,007	2,620	4,632	3,000%	2,626	4,812
5+0,000	-2,624	5,055	-2,620	4,644	3,000%	4,565	5,019	2,620	4,644	3,000%	2,626	4,833
5+7,022	-2,625	5,184	-2,620	4,677	3,000%	4,598	5,098	2,620	4,677	3,000%	2,626	4,870
5+10,000	-2,626	5,318	-2,620	4,691	3,000%	4,612	5,132	2,620	4,691	3,000%	2,626	4,925
5+12,595	-2,626	5,344	-2,620	4,703	3,000%	4,625	5,157	2,620	4,703	3,000%	2,626	4,966
6+0,000	-2,626	5,422	-2,620	4,738	3,000%	4,659	5,222	2,620	4,738	3,000%	2,627	5,018
6+10,000	-2,626	5,418	-2,620	4,785	3,000%	4,706	5,304	2,620	4,785	3,000%	2,625	4,925
6+10,993	-2,626	5,425	-2,620	4,790	3,000%	4,711	5,312	2,620	4,790	3,000%	2,625	4,933
6+14,472	-2,626	5,442	-2,620	4,806	3,000%	4,727	5,345	2,620	4,806	3,000%	2,625	4,942
7+0,000	-2,626	5,465	-2,620	4,832	3,000%	4,753	5,388	2,620	4,832	3,000%	2,625	4,924
7+10,000	-2,625	5,434	-2,620	4,879	3,000%	4,800	5,333	2,620	4,879	3,000%	2,624	4,882

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
7+10,580	-2,625	5,428	-2,620	4,882	3,000%	4,803	5,330	2,620	4,882	3,000%	2,624	4,879
7+15,966	-2,623	5,247	-2,620	4,907	3,000%	4,828	5,303	2,620	4,907	3,000%	2,623	4,848
8+0,000	-2,622	5,208	-2,620	4,926	3,000%	4,847	5,280	2,620	4,926	3,000%	2,623	4,816
8+7,704	-2,622	5,178	-2,620	4,962	3,000%	4,884	5,262	2,620	4,962	3,000%	2,623	4,867
8+10,000	-2,622	5,190	-2,620	4,973	3,000%	4,894	5,270	2,620	4,973	3,000%	2,623	4,912
8+18,288	-2,622	5,284	-2,620	5,012	3,000%	4,933	5,327	2,620	5,012	3,000%	2,623	4,908
9+0,000	-2,622	5,308	-2,620	5,018	3,000%	4,939	5,339	2,620	5,018	3,000%	2,622	4,888
9+10,000	-2,624	5,454	-2,620	4,991	3,000%	4,912	5,370	2,620	4,991	3,000%	2,623	4,914
9+13,439	-2,625	5,516	-2,620	4,957	3,000%	4,878	5,317	2,891	4,965	3,000%	2,895	5,032
10+0,000	-2,624	5,352	-2,620	4,859	3,000%	4,781	5,213	2,794	4,865	3,000%	2,798	4,850
10+9,202	-2,624	5,190	-2,620	4,707	3,000%	4,628	5,063	2,620	4,707	3,000%	2,624	4,699
10+10,000	-2,624	5,145	-2,620	4,693	3,000%	4,615	5,050	2,620	4,693	3,000%	2,624	4,693
10+15,826	-2,623	4,995	-2,620	4,597	3,000%	4,518	4,951	2,620	4,597	3,000%	2,623	4,555
11+0,000	-2,624	4,948	-2,620	4,528	3,000%	4,449	4,883	2,620	4,528	3,000%	2,623	4,450
11+10,000	-2,624	4,807	-2,620	4,382	3,000%	4,303	4,763	2,620	4,382	3,000%	2,623	4,281
11+14,230	-2,624	4,781	-2,620	4,341	3,000%	4,262	4,728	2,620	4,341	3,000%	2,623	4,223
12+0,000	-2,624	4,711	-2,620	4,304	3,000%	4,225	4,710	2,620	4,304	3,000%	2,623	4,250
12+10,000	-2,624	4,734	-2,620	4,245	3,000%	4,167	4,684	2,620	4,245	3,000%	2,623	4,173
12+18,044	-2,626	4,799	-2,620	4,199	3,000%	4,120	4,659	2,620	4,199	3,000%	2,623	4,145
13+0,000	-2,626	4,811	-2,620	4,187	3,000%	4,109	4,640	2,620	4,187	3,000%	2,623	4,145
13+10,000	-2,625	4,719	-2,620	4,129	3,000%	4,051	4,586	2,620	4,129	3,000%	2,623	4,033
14+0,000	-2,624	4,570	-2,620	4,071	3,000%	3,993	4,503	2,620	4,071	3,000%	2,623	3,999
14+2,831	-2,624	4,518	-2,620	4,057	3,000%	3,979	4,481	2,760	4,061	3,000%	2,763	3,976
14+10,000	-4,081	4,419	-4,078	4,081	3,000%	3,959	4,427	2,645	4,038	3,000%	2,648	3,959
15+0,000	-2,624	4,450	-2,620	4,047	3,000%	3,969	4,458	2,620	4,047	3,000%	2,623	3,964
15+10,000	-2,624	4,512	-2,620	4,101	3,000%	4,023	4,525	2,620	4,101	3,000%	2,623	4,017
15+17,566	-2,624	4,570	-2,620	4,158	3,000%	4,079	4,555	2,620	4,158	3,000%	2,623	4,072
16+0,000	-2,624	4,594	-2,620	4,176	3,000%	4,097	4,580	2,620	4,176	3,000%	2,623	4,140
16+10,000	-2,624	4,684	-2,620	4,250	3,000%	4,172	4,680	2,620	4,250	3,000%	2,626	4,519
17+0,000	-2,623	4,706	-2,620	4,325	3,000%	4,246	4,746	2,620	4,325	3,000%	2,625	4,423
17+4,822	-2,624	4,839	-2,620	4,361	3,000%	4,282	4,776	2,620	4,361	3,000%	2,624	4,417
17+10,000	-2,624	4,847	-2,620	4,399	3,000%	4,321	4,805	2,620	4,399	3,000%	2,624	4,406
18+0,000	-2,624	4,845	-2,620	4,427	3,000%	4,348	4,832	2,620	4,427	3,000%	2,626	4,617
18+10,000	-2,623	4,749	-2,620	4,370	3,000%	4,291	4,762	2,620	4,370	3,000%	2,624	4,361
18+16,063	-2,623	4,712	-2,620	4,343	3,000%	4,265	4,737	4,091	4,387	3,000%	4,094	4,354
18+19,232	-1,924	4,747	-1,920	4,319	3,000%	4,262	4,733	2,000	4,322	3,000%	2,004	4,297
19+0,000	-1,924	4,755	-1,920	4,320	3,000%	4,262	4,744	3,132	4,356	3,000%	3,136	4,341
19+10,000	-1,924	4,768	-1,920	4,363	3,000%	4,305	4,812	1,920	4,363	3,000%	1,924	4,370
20+0,000	-1,924	4,878	-1,920	4,421	3,000%	4,364	4,864	1,920	4,421	3,000%	1,924	4,409
20+10,000	-1,925	4,990	-1,920	4,479	3,000%	4,422	4,927	1,920	4,479	3,000%	1,923	4,427
20+13,932	-1,925	5,021	-1,920	4,502	3,000%	4,445	4,952	2,784	4,528	3,000%	2,787	4,488
20+19,418	-2,478	4,964	-2,474	4,551	3,000%	4,477	4,960	2,303	4,546	3,000%	2,308	4,658
21+0,000	-2,494	5,006	-2,490	4,555	3,000%	4,480	4,988	2,217	4,547	3,000%	2,222	4,677
21+10,000	-1,375	5,100	-1,370	4,579	3,000%	4,538	5,096	1,370	4,579	3,000%	1,375	4,708
21+11,886	-1,375	5,119	-1,370	4,590	3,000%	4,549	5,119	1,370	4,590	3,000%	1,375	4,744
22+0,000	-1,376	5,227	-1,370	4,621	3,000%	4,580	5,077	1,370	4,621	3,000%	1,374	4,674
22+5,183	-1,375	5,171	-1,370	4,619	3,000%	4,578	5,076	1,370	4,619	3,000%	1,373	4,556
22+10,000	-1,375	5,122	-1,370	4,606	3,000%	4,565	5,089	1,370	4,606	3,000%	1,374	4,657

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
22+11,198	-1,375	5,156	-1,370	4,602	3,000%	4,561	5,102	1,370	4,602	3,000%	1,375	4,686
22+15,268	-1,375	5,170	-1,370	4,589	3,000%	4,548	5,099	1,370	4,589	3,000%	1,375	4,719
23+0,000	-1,375	5,128	-1,370	4,574	3,000%	4,533	5,084	1,370	4,574	3,000%	1,374	4,622
23+8,951	-1,375	5,125	-1,370	4,545	3,000%	4,504	5,107	1,370	4,545	3,000%	1,375	4,670
23+10,000	-1,375	5,125	-1,370	4,542	3,000%	4,501	5,110	1,370	4,542	3,000%	1,375	4,652
23+15,760	-1,377	5,290	-1,370	4,569	3,000%	4,528	5,194	3,532	4,634	3,000%	3,536	4,566
24+0,000	-1,375	5,229	-1,370	4,682	3,000%	4,641	5,333	2,108	4,704	3,000%	2,112	4,719
24+5,056	-1,373	5,156	-1,370	4,821	3,000%	4,780	5,260	1,518	4,826	3,000%	1,523	4,946
RUA OSÉIAS SIMÃO DOS REIS												
0+0,000	-4,556	5,913	-4,556	5,515	3,000%	5,455	5,907	3,215	5,551	3,000%	3,218	5,428
0+10,000	-2,123	5,603	-2,120	5,252	3,000%	5,188	5,615	2,120	5,252	3,000%	2,124	5,248
1+0,000	-2,124	5,556	-2,120	5,111	3,000%	5,048	5,505	2,120	5,111	3,000%	2,123	5,054
1+10,000	-2,365	5,504	-2,361	5,113	3,000%	5,042	5,451	2,120	5,105	3,000%	2,123	5,021
1+10,738	-2,411	5,507	-2,408	5,115	3,000%	5,043	5,463	2,120	5,107	3,000%	2,123	5,034
1+16,025	-2,624	5,528	-2,620	5,131	3,000%	5,052	5,509	2,239	5,119	3,000%	2,243	5,132
2+0,000	-2,624	5,551	-2,620	5,138	3,000%	5,059	5,521	2,478	5,133	3,000%	2,483	5,201
2+10,000	-2,625	5,675	-2,620	5,155	3,000%	5,076	5,545	2,620	5,155	3,000%	2,625	5,286
3+0,000	-2,624	5,642	-2,620	5,170	3,000%	5,091	5,536	2,620	5,170	3,000%	2,623	5,052
3+10,000	-2,623	5,538	-2,620	5,139	3,000%	5,061	5,472	2,620	5,139	3,000%	2,623	5,036
4+0,000	-2,623	5,418	-2,620	5,050	3,000%	4,971	5,448	2,620	5,050	3,000%	2,623	4,983
4+10,000	-2,625	5,544	-2,620	4,945	3,000%	4,866	5,379	2,620	4,945	3,000%	2,624	4,988
4+19,433	-2,624	5,330	-2,620	4,845	3,000%	4,767	5,294	2,620	4,845	3,000%	2,625	5,012
5+0,000	-2,624	5,321	-2,620	4,839	3,000%	4,761	5,286	2,620	4,839	3,000%	2,625	5,005
5+10,000	-2,732	5,141	-2,729	4,739	3,000%	4,658	5,156	3,194	4,753	3,000%	3,197	4,710
6+0,000	-1,621	5,166	-1,617	4,724	3,000%	4,676	5,206	1,801	4,730	3,000%	1,805	4,755
6+3,135	-1,524	5,205	-1,520	4,749	3,000%	4,703	5,233	1,576	4,750	3,000%	1,580	4,799
6+10,000	-1,524	5,285	-1,520	4,809	3,000%	4,763	5,293	1,520	4,809	3,000%	1,524	4,877
7+0,000	-1,812	5,356	-1,808	4,899	3,000%	4,845	5,329	1,520	4,891	3,000%	1,524	4,896
7+2,622	-2,141	5,406	-2,137	4,921	3,000%	4,857	5,339	1,520	4,903	3,000%	1,524	4,893
7+10,000	-1,524	5,379	-1,520	4,906	3,000%	4,861	5,325	1,769	4,914	3,000%	1,772	4,894
7+18,275	-1,524	5,359	-1,520	4,875	3,000%	4,830	5,362	2,091	4,893	3,000%	2,095	4,931
8+0,000	-1,851	5,316	-1,847	4,879	3,000%	4,823	5,373	2,120	4,887	3,000%	2,124	4,938
8+2,440	-2,431	5,313	-2,428	4,887	3,000%	4,814	5,355	2,120	4,878	3,000%	2,124	4,945
8+4,536	-2,124	5,333	-2,120	4,870	3,000%	4,806	5,327	2,120	4,870	3,000%	2,124	4,926
8+10,000	-2,124	5,272	-2,120	4,849	3,000%	4,785	5,256	2,120	4,849	3,000%	2,124	4,855
8+16,553	-2,124	5,302	-2,120	4,824	3,000%	4,760	5,196	2,120	4,824	3,000%	2,125	4,972
9+0,000	-2,124	5,293	-2,120	4,811	3,000%	4,747	5,183	2,120	4,811	3,000%	2,125	4,927
9+6,544	-2,123	5,135	-2,120	4,786	3,000%	4,722	5,145	2,120	4,786	3,000%	2,122	4,629
9+10,000	-2,123	5,129	-2,120	4,773	3,000%	4,709	5,140	2,120	4,773	3,000%	2,122	4,628
10+0,000	-2,124	5,136	-2,120	4,735	3,000%	4,671	5,136	2,120	4,735	3,000%	2,123	4,627
10+6,313	-2,124	5,149	-2,120	4,711	3,000%	4,647	5,134	2,120	4,711	3,000%	2,123	4,595
10+10,000	-2,124	5,156	-2,120	4,697	3,000%	4,633	5,140	2,120	4,697	3,000%	2,123	4,570
10+13,140	-2,124	5,156	-2,120	4,685	3,000%	4,621	5,128	2,120	4,685	3,000%	2,123	4,580
11+0,000	-2,903	5,131	-2,899	4,682	3,000%	4,595	5,118	2,120	4,659	3,000%	2,124	4,691
11+1,254	-2,727	5,136	-2,722	4,672	3,000%	4,590	5,124	2,090	4,653	3,000%	2,095	4,709
11+9,588	-1,626	5,210	-1,620	4,607	3,000%	4,559	5,163	1,620	4,607	3,000%	1,625	4,729
11+10,000	-1,626	5,214	-1,620	4,606	3,000%	4,557	5,165	1,620	4,606	3,000%	1,625	4,729
11+16,292	-1,626	5,193	-1,620	4,582	3,000%	4,533	5,130	1,620	4,582	3,000%	1,625	4,661

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
12+0,000	-1,625	5,156	-1,620	4,568	3,000%	4,519	5,097	1,620	4,568	3,000%	1,624	4,615
12+6,469	-1,625	5,053	-1,620	4,543	3,000%	4,494	5,067	1,620	4,543	3,000%	1,625	4,646
12+9,743	-1,625	5,052	-1,620	4,530	3,000%	4,482	5,051	1,620	4,530	3,000%	1,625	4,674
12+10,000	-1,625	5,052	-1,620	4,530	3,000%	4,481	5,050	1,620	4,530	3,000%	1,625	4,676
12+16,004	-1,625	5,008	-1,620	4,507	3,000%	4,458	5,007	1,620	4,507	3,000%	1,626	4,720
12+16,824	-1,624	4,990	-1,620	4,504	3,000%	4,455	4,993	1,620	4,504	3,000%	1,626	4,724
13+0,000	-1,624	4,962	-1,620	4,491	3,000%	4,443	4,944	1,620	4,491	3,000%	1,625	4,602
13+2,357	-1,624	4,978	-1,620	4,483	3,000%	4,434	4,945	1,620	4,483	3,000%	1,625	4,571
13+5,782	-1,625	4,990	-1,620	4,474	3,000%	4,425	4,945	1,620	4,474	3,000%	1,624	4,520
13+10,000	-1,625	5,025	-1,620	4,468	3,000%	4,420	4,929	1,620	4,468	3,000%	1,624	4,499
14+0,000	-1,624	4,951	-1,620	4,482	3,000%	4,434	4,927	1,620	4,482	3,000%	1,624	4,476
14+7,245	-1,624	4,952	-1,620	4,516	3,000%	4,467	4,926	1,620	4,516	3,000%	1,623	4,481
14+10,000	-1,624	4,976	-1,620	4,534	3,000%	4,485	4,933	1,620	4,534	3,000%	1,623	4,486
14+14,500	-1,624	4,993	-1,620	4,567	3,000%	4,519	4,970	1,620	4,567	3,000%	1,624	4,568
14+16,695	-1,624	5,003	-1,620	4,584	3,000%	4,535	4,989	1,620	4,584	3,000%	1,624	4,624
15+0,000	-1,624	5,010	-1,620	4,608	3,000%	4,560	5,023	1,620	4,608	3,000%	1,624	4,667
15+10,000	-1,624	5,089	-1,620	4,683	3,000%	4,634	5,116	1,620	4,683	3,000%	1,624	4,743
15+11,551	-1,623	5,088	-1,620	4,694	3,000%	4,646	5,126	1,620	4,694	3,000%	1,624	4,736
15+14,041	-1,623	5,092	-1,620	4,713	3,000%	4,665	5,142	1,620	4,713	3,000%	1,624	4,748
16+0,000	-1,623	5,124	-1,620	4,765	3,000%	4,717	5,189	1,620	4,765	3,000%	1,624	4,776
16+10,000	-1,623	5,257	-1,620	4,874	3,000%	4,825	5,303	1,641	4,875	3,000%	1,646	5,006
16+12,767	-1,623	5,297	-1,620	4,906	3,000%	4,858	5,340	1,802	4,912	3,000%	1,807	5,007
16+18,742	-3,314	5,360	-3,311	5,023	3,000%	4,924	5,444	2,120	4,988	3,000%	2,126	5,162
17+0,000	-3,111	5,367	-3,108	5,028	3,000%	4,935	5,475	2,120	4,999	3,000%	2,126	5,171
17+10,000	-2,123	5,421	-2,120	5,036	3,000%	4,972	5,474	2,120	5,036	3,000%	2,124	5,080
18+0,000	-2,123	5,376	-2,120	4,990	3,000%	4,926	5,423	2,120	4,990	3,000%	2,125	5,066
18+10,000	-2,129	5,380	-2,129	4,924	3,000%	4,864	5,304	3,031	4,924	3,000%	3,030	4,881
TRAVESSA OSEIAS												
0+0,000	-2,124	4,987	-2,120	4,537	3,000%	4,473	4,953	2,120	4,537	3,000%	2,123	4,489
0+10,000	-2,125	5,075	-2,120	4,569	3,000%	4,506	4,969	2,120	4,569	3,000%	2,124	4,601
1+0,000	-2,125	5,143	-2,120	4,621	3,000%	4,558	5,051	2,120	4,621	3,000%	2,124	4,639
1+10,000	-2,124	5,234	-2,120	4,752	3,000%	4,689	5,179	2,120	4,752	3,000%	2,124	4,806
2+0,000	-2,124	5,368	-2,120	4,935	3,000%	4,871	5,327	2,120	4,935	3,000%	2,124	4,964
2+5,457	-2,264	5,464	-2,261	5,095	3,000%	5,027	5,397	3,431	5,087	3,000%	3,440	4,934
TRAVESSA SIMÃO												
0+0,000	-1,624	5,072	-1,620	4,652	3,000%	4,603	5,083	1,620	4,652	3,000%	1,624	4,635
0+10,000	-1,624	4,994	-1,620	4,537	3,000%	4,488	4,985	1,620	4,537	3,000%	1,624	4,540
1+0,000	-1,624	5,052	-1,620	4,558	3,000%	4,510	5,016	1,620	4,558	3,000%	1,624	4,598
1+10,000	-1,623	5,072	-1,620	4,678	3,000%	4,629	5,077	1,766	4,682	3,000%	1,770	4,669
1+12,526	-1,938	5,131	-1,935	4,769	3,000%	4,711	5,140	3,460	4,771	3,000%	3,460	4,723
TRAVESSA REIS												
0+0,000	-1,527	5,639	-1,520	4,885	3,000%	4,839	5,319	1,520	4,885	3,000%	1,523	4,813
0+10,000	-1,524	5,183	-1,520	4,766	3,000%	4,720	5,191	1,520	4,766	3,000%	1,524	4,820
1+0,000	-1,524	5,213	-1,520	4,802	3,000%	4,757	5,229	1,520	4,802	3,000%	1,525	4,904
1+7,130	-1,740	5,351	-1,742	4,943	3,000%	4,883	5,295	1,520	4,929	3,000%	1,523	4,854
RUA JONAS SOARES REIS												
0+0,000	-2,374	5,120	-2,370	4,658	3,000%	4,587	5,066	2,370	4,658	3,000%	2,375	4,775
0+9,326	-2,374	5,106	-2,370	4,645	3,000%	4,574	5,050	2,370	4,645	3,000%	2,374	4,666

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
0+10,000	-2,374	5,107	-2,370	4,645	3,000%	4,574	5,049	2,370	4,645	3,000%	2,374	4,663
0+13,591	-2,374	5,132	-2,370	4,656	3,000%	4,585	5,047	2,370	4,656	3,000%	2,374	4,637
1+0,000	-2,373	5,086	-2,370	4,722	3,000%	4,651	5,093	2,370	4,722	3,000%	2,375	4,826
1+5,042	-2,373	5,130	-2,370	4,787	3,000%	4,716	5,120	2,428	4,789	3,000%	2,431	4,747
1+8,319	-2,885	5,172	-2,883	4,845	3,000%	4,759	5,133	3,395	4,861	3,000%	3,398	4,732
2+0,000	-2,122	5,033	-2,120	4,787	3,000%	4,723	5,062	2,120	4,787	3,000%	2,123	4,698
2+10,000	-2,122	4,893	-2,120	4,674	3,000%	4,610	4,938	2,120	4,674	3,000%	2,122	4,536
3+0,000	-2,122	4,842	-2,120	4,561	3,000%	4,498	4,872	2,120	4,561	3,000%	2,123	4,474
3+10,000	-2,123	4,786	-2,120	4,449	3,000%	4,385	4,823	2,120	4,449	3,000%	2,124	4,435
3+13,800	-2,123	4,759	-2,120	4,406	3,000%	4,342	4,795	2,120	4,406	3,000%	2,124	4,413
3+16,645	-2,124	4,824	-2,120	4,374	3,000%	4,310	4,768	2,120	4,374	3,000%	2,124	4,373
4+0,000	-2,124	4,756	-2,120	4,336	3,000%	4,272	4,731	2,120	4,336	3,000%	2,124	4,327
4+2,559	-2,123	4,704	-2,120	4,307	3,000%	4,243	4,704	2,120	4,307	3,000%	2,124	4,292
4+9,132	-2,123	4,631	-2,120	4,233	3,000%	4,169	4,655	2,120	4,233	3,000%	2,124	4,235
4+10,000	-2,124	4,627	-2,120	4,223	3,000%	4,159	4,651	2,120	4,223	3,000%	2,124	4,232
4+15,893	-2,124	4,601	-2,120	4,157	3,000%	4,093	4,626	2,120	4,157	3,000%	2,124	4,208
5+0,000	-2,125	4,631	-2,120	4,110	3,000%	4,047	4,613	2,120	4,110	3,000%	2,126	4,300
5+3,970	-2,125	4,602	-2,120	4,066	3,000%	4,002	4,588	2,120	4,066	3,000%	2,126	4,279
5+10,000	-2,125	4,504	-2,120	3,998	3,000%	3,934	4,541	2,120	3,998	3,000%	2,127	4,298
5+16,878	-2,873	4,324	-2,870	3,942	3,000%	3,856	4,280	2,176	3,922	3,000%	2,181	3,977
6+10,000	-1,823	4,251	-1,820	3,941	3,000%	3,886	4,323	2,120	3,950	3,000%	2,123	3,865
6+10,074	-1,823	4,251	-1,820	3,941	3,000%	3,887	4,324	2,120	3,950	3,000%	2,123	3,864
6+19,719	-1,823	4,311	-1,820	3,999	3,000%	3,944	4,443	2,120	4,008	3,000%	2,126	4,210
7+0,000	-1,823	4,313	-1,820	4,001	3,000%	3,946	4,446	2,120	4,010	3,000%	2,126	4,207
7+10,000	-1,823	4,441	-1,820	4,060	3,000%	4,006	4,485	2,120	4,069	3,000%	2,126	4,255
8+0,000	-1,824	4,543	-1,820	4,120	3,000%	4,066	4,552	2,120	4,129	3,000%	2,124	4,165
8+5,725	-1,824	4,578	-1,820	4,154	3,000%	4,100	4,561	2,120	4,163	3,000%	2,124	4,154
8+10,000	-1,824	4,605	-1,820	4,187	3,000%	4,132	4,580	2,120	4,196	3,000%	2,123	4,161
8+13,446	-1,824	4,658	-1,820	4,225	3,000%	4,170	4,626	2,120	4,234	3,000%	2,124	4,211
9+0,000	-1,824	4,763	-1,820	4,324	3,000%	4,270	4,711	2,120	4,333	3,000%	2,124	4,315
9+10,000	-1,824	4,998	-1,820	4,512	3,000%	4,457	4,959	2,162	4,522	3,000%	2,166	4,510
10+0,000	-1,825	5,237	-1,820	4,700	3,000%	4,645	5,230	5,013	4,796	3,000%	5,017	4,813
10+0,111	-1,825	5,237	-1,820	4,702	3,000%	4,648	5,234	5,134	4,802	3,000%	5,138	4,820
10+10,000	-11,379	5,529	-11,376	5,169	3,000%	4,828	5,357	13,925	5,245	3,000%	13,927	5,042
11+0,000	-2,999	5,311	-2,996	4,986	3,000%	4,896	5,329	5,193	5,052	3,000%	5,196	5,012
11+1,461	-2,907	5,199	-2,905	4,980	3,000%	4,893	5,339	3,415	4,996	3,000%	3,419	5,024
11+10,000	-1,919	5,243	-1,916	4,873	3,000%	4,816	5,229	2,132	4,880	3,000%	2,135	4,754
12+0,000	-2,314	5,138	-2,311	4,765	3,000%	4,696	5,206	2,316	4,765	3,000%	2,321	4,877
12+0,239	-2,323	5,140	-2,320	4,762	3,000%	4,693	5,208	2,320	4,762	3,000%	2,325	4,878
12+10,000	-2,325	5,156	-2,320	4,645	3,000%	4,575	5,132	2,320	4,645	3,000%	2,325	4,807
13+0,000	-2,323	4,869	-2,320	4,524	3,000%	4,455	4,926	2,320	4,524	3,000%	2,324	4,580
13+10,000	-2,321	4,615	-2,320	4,429	3,000%	4,359	4,778	2,320	4,429	3,000%	2,323	4,385
13+12,451	-2,321	4,538	-2,320	4,413	3,000%	4,343	4,782	2,320	4,413	3,000%	2,324	4,413
14+0,000	-2,657	4,312	-2,320	4,382	3,000%	4,313	4,779	2,320	4,382	3,000%	2,324	4,364
14+2,386	-2,703	4,277	-2,320	4,378	3,000%	4,309	4,778	2,320	4,378	3,000%	2,324	4,424
14+10,000	-2,760	4,247	-2,320	4,385	3,000%	4,316	4,784	2,320	4,385	3,000%	2,325	4,521
15+0,000	-2,816	4,262	-2,320	4,438	3,000%	4,368	4,833	2,320	4,438	3,000%	2,325	4,545
15+10,000	-2,321	4,704	-2,320	4,515	3,000%	4,446	5,028	2,320	4,515	3,000%	2,323	4,386

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
16+0,000	-2,323	4,922	-2,320	4,592	3,000%	4,523	5,078	2,320	4,592	3,000%	2,320	4,248
16+8,553	-2,321	4,789	-2,320	4,658	3,000%	4,589	4,883	2,320	4,658	3,000%	3,017	3,917
16+10,000	-2,320	4,734	-2,320	4,670	3,000%	4,600	4,812	2,320	4,670	3,000%	3,130	3,853
17+0,000	-2,509	4,776	-2,320	4,747	3,000%	4,677	4,804	2,320	4,747	3,000%	2,780	4,164
17+10,000	-2,326	5,457	-2,320	4,824	3,000%	4,755	5,241	2,320	4,824	3,000%	2,322	4,623
18+0,000	-2,325	5,522	-2,320	4,972	3,000%	4,902	5,346	2,320	4,972	3,000%	2,323	4,885
18+1,654	-2,325	5,557	-2,320	5,011	3,000%	4,941	5,388	2,320	5,011	3,000%	2,323	4,926
18+10,000	-2,324	5,750	-2,320	5,268	3,000%	5,198	5,606	2,320	5,268	3,000%	2,322	5,065
19+0,000	-2,326	6,393	-2,320	5,711	3,000%	5,641	6,079	2,320	5,711	3,000%	2,322	5,536
19+10,000	-2,325	6,732	-2,320	6,230	3,000%	6,160	6,633	2,320	6,230	3,000%	2,323	6,191
20+0,000	-2,326	7,126	-2,320	6,489	3,000%	6,420	6,985	2,320	6,489	3,000%	2,324	6,552
20+0,040	-2,326	7,127	-2,320	6,489	3,000%	6,420	6,984	2,320	6,489	3,000%	2,324	6,551
20+3,915	-2,326	7,115	-2,320	6,464	3,000%	6,394	6,898	2,320	6,464	3,000%	2,324	6,506
20+10,000	-2,325	6,940	-2,320	6,356	3,000%	6,286	6,766	2,320	6,356	3,000%	2,325	6,438
21+0,000	-2,324	6,650	-2,320	6,177	3,000%	6,108	6,544	2,320	6,177	3,000%	2,324	6,212
21+10,000	-2,322	6,233	-2,320	5,999	3,000%	5,929	6,345	2,320	5,999	3,000%	2,324	5,994
21+14,808	-4,879	6,340	-4,879	5,903	3,000%	5,843	6,320	4,550	5,980	3,000%	4,553	5,898
RUA 25												
0+2,914	-3,282	4,437	-3,277	3,892	3,000%	3,794	4,367	3,252	3,892	3,000%	3,256	3,856
0+10,000	-2,374	4,258	-2,370	3,850	3,000%	3,779	4,306	2,370	3,850	3,000%	2,375	3,949
1+0,000	-2,373	4,276	-2,370	3,924	3,000%	3,852	4,316	2,370	3,924	3,000%	2,375	4,084
1+5,005	-2,373	4,336	-2,370	3,989	3,000%	3,918	4,407	2,370	3,989	3,000%	2,375	4,070
1+10,000	-2,373	4,418	-2,370	4,055	3,000%	3,984	4,487	2,370	4,055	3,000%	2,373	3,992
1+12,568	-2,373	4,460	-2,370	4,089	3,000%	4,018	4,506	2,370	4,089	3,000%	2,373	4,033
1+19,219	-2,374	4,624	-2,370	4,176	3,000%	4,105	4,567	2,370	4,176	3,000%	2,374	4,172
2+0,000	-2,374	4,662	-2,370	4,187	3,000%	4,116	4,576	2,370	4,187	3,000%	2,374	4,193
2+10,000	-2,374	4,798	-2,370	4,318	3,000%	4,247	4,718	2,370	4,318	3,000%	2,374	4,317
2+14,347	-2,374	4,811	-2,370	4,367	3,000%	4,296	4,774	2,370	4,367	3,000%	2,373	4,305
3+0,000	-2,374	4,816	-2,370	4,379	3,000%	4,308	4,794	2,370	4,379	3,000%	2,373	4,306
3+0,595	-2,374	4,803	-2,370	4,377	3,000%	4,306	4,782	2,370	4,377	3,000%	2,373	4,307
3+10,000	-2,374	4,773	-2,370	4,320	3,000%	4,249	4,707	2,370	4,320	3,000%	2,373	4,289
3+19,112	-2,375	4,843	-2,370	4,317	3,000%	4,246	4,786	2,370	4,317	3,000%	2,375	4,470
4+0,000	-2,374	4,852	-2,369	4,330	3,000%	4,259	4,792	2,370	4,330	3,000%	2,376	4,578
4+7,256	-3,788	4,919	-3,785	4,578	3,000%	4,465	4,939	2,370	4,536	3,000%	2,375	4,701
4+9,230	-4,061	4,958	-4,059	4,672	3,000%	4,551	5,031	2,618	4,629	3,000%	2,623	4,773
4+19,733	-2,648	5,302	-2,643	4,770	3,000%	4,691	5,231	2,620	4,770	3,000%	2,626	4,997
5+0,000	-2,655	5,310	-2,650	4,777	3,000%	4,698	5,235	2,620	4,776	3,000%	2,626	5,000
5+10,000	-2,922	5,538	-2,918	5,007	3,000%	4,920	5,462	2,620	4,998	3,000%	2,625	5,094
6+0,000	-3,188	5,468	-3,185	5,105	3,000%	5,009	5,477	2,620	5,088	3,000%	2,623	5,053
6+9,925	-3,453	5,358	-3,451	5,051	3,000%	4,948	5,483	2,620	5,026	3,000%	2,625	5,179
6+10,000	-3,455	5,358	-3,453	5,050	3,000%	4,947	5,482	2,620	5,025	3,000%	2,625	5,179
6+19,558	-1,468	5,245	-1,464	4,804	3,000%	4,761	5,222	2,620	4,839	3,000%	2,624	4,880
7+0,000	-1,509	5,244	-1,505	4,796	3,000%	4,751	5,204	2,620	4,830	3,000%	2,624	4,850
7+10,000	-2,417	4,942	-2,414	4,609	3,000%	4,536	4,972	2,620	4,615	3,000%	2,624	4,616
7+10,218	-2,437	4,933	-2,434	4,605	3,000%	4,532	4,967	2,620	4,610	3,000%	2,624	4,612
7+15,762	-2,625	4,762	-2,622	4,492	3,000%	4,413	4,939	2,620	4,491	3,000%	2,625	4,636
8+0,000	-2,623	4,712	-2,620	4,401	3,000%	4,322	4,909	2,620	4,401	3,000%	2,625	4,538
8+2,973	-2,623	4,725	-2,620	4,337	3,000%	4,258	4,884	2,620	4,337	3,000%	2,625	4,463

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
8+5,049	-2,624	4,730	-2,620	4,292	3,000%	4,214	4,866	2,620	4,292	3,000%	2,625	4,415
8+10,000	-2,624	4,611	-2,620	4,186	3,000%	4,107	4,726	2,620	4,186	3,000%	2,625	4,304
8+15,656	-2,623	4,405	-2,620	4,065	3,000%	3,986	4,466	2,620	4,065	3,000%	2,624	4,097
RUA 26												
0+3,353	-2,552	4,383	-2,549	3,977	3,000%	3,900	4,378	1,520	3,946	3,000%	1,523	3,890
0+10,000	-1,523	4,228	-1,520	3,911	3,000%	3,865	4,327	1,520	3,911	3,000%	1,522	3,752
1+0,000	-1,523	4,305	-1,520	3,925	3,000%	3,879	4,373	1,520	3,925	3,000%	1,523	3,801
1+4,617	-1,523	4,272	-1,520	3,943	3,000%	3,897	4,420	1,520	3,943	3,000%	1,522	3,751
1+10,000	-1,524	4,388	-1,520	3,963	3,000%	3,918	4,425	1,520	3,963	3,000%	1,523	3,880
2+0,000	-1,524	4,462	-1,520	4,028	3,000%	3,983	4,438	1,520	4,028	3,000%	1,523	3,984
2+10,000	-1,524	4,638	-1,520	4,184	3,000%	4,139	4,635	1,520	4,184	3,000%	1,525	4,264
3+0,000	-1,524	4,731	-1,520	4,267	3,000%	4,221	4,728	1,520	4,267	3,000%	1,525	4,340
3+10,000	-1,524	4,732	-1,520	4,242	3,000%	4,196	4,669	1,520	4,242	3,000%	1,523	4,198
3+10,204	-1,524	4,718	-1,520	4,241	3,000%	4,196	4,666	1,520	4,241	3,000%	1,523	4,195
3+12,570	-1,524	4,669	-1,520	4,235	3,000%	4,190	4,662	1,520	4,235	3,000%	1,524	4,220
4+0,000	-1,524	4,868	-1,520	4,372	3,000%	4,326	4,807	1,520	4,372	3,000%	1,523	4,334
4+5,579	-1,522	4,953	-1,520	4,680	3,000%	4,635	5,018	2,000	4,695	3,000%	2,003	4,607
RUA ALECRIM												
0+2,982	-2,849	4,207	-2,849	3,829	3,000%	3,769	4,252	2,620	3,848	3,000%	2,624	3,863
0+10,000	-2,622	4,208	-2,620	3,918	3,000%	3,839	4,286	2,620	3,918	3,000%	2,624	3,890
1+0,000	-2,622	4,289	-2,620	4,016	3,000%	3,938	4,359	2,620	4,016	3,000%	2,624	4,031
1+10,000	-2,623	4,433	-2,620	4,115	3,000%	4,037	4,487	2,620	4,115	3,000%	2,624	4,148
2+0,000	-2,622	4,495	-2,620	4,214	3,000%	4,135	4,614	2,620	4,214	3,000%	2,623	4,149
2+10,000	-2,622	4,595	-2,620	4,313	3,000%	4,234	4,653	2,620	4,313	3,000%	2,623	4,234
3+0,000	-2,622	4,647	-2,620	4,412	3,000%	4,333	4,752	2,620	4,412	3,000%	2,623	4,327
3+10,000	-2,622	4,770	-2,620	4,510	3,000%	4,432	4,857	2,620	4,510	3,000%	2,623	4,427
4+0,000	-2,622	4,887	-2,620	4,609	3,000%	4,531	4,959	2,620	4,609	3,000%	2,623	4,543
4+10,000	-2,623	5,002	-2,620	4,701	3,000%	4,622	5,071	2,620	4,701	3,000%	2,623	4,623
5+0,000	-2,623	5,116	-2,620	4,735	3,000%	4,657	4,935	2,620	4,735	3,000%	2,622	4,586
5+1,239	-2,622	4,943	-2,620	4,735	3,000%	4,656	4,778	2,620	4,735	3,000%	2,622	4,590
5+10,000	-2,852	4,703	-2,620	4,703	3,000%	4,625	4,725	2,620	4,703	3,000%	2,623	4,635
6+0,000	-2,623	5,003	-2,620	4,635	3,000%	4,556	5,043	2,620	4,635	3,000%	2,624	4,618
6+3,401	-2,623	4,960	-2,620	4,617	3,000%	4,538	5,010	2,620	4,617	3,000%	2,624	4,593
6+10,000	-2,623	4,951	-2,620	4,635	3,000%	4,556	5,045	2,620	4,635	3,000%	2,624	4,632
7+0,000	-2,623	5,025	-2,620	4,702	3,000%	4,624	5,111	2,620	4,702	3,000%	2,623	4,641
RUA PROFESSOR GUIOMAR												
0+0,000	-4,203	6,355	-4,203	5,942	3,000%	5,882	6,362	3,172	5,977	3,000%	3,175	5,892
0+10,000	-1,526	5,865	-1,520	5,243	3,000%	5,197	5,594	1,520	5,243	3,000%	1,525	5,410
0+17,716	-1,525	5,318	-1,520	4,723	3,000%	4,677	5,238	1,520	4,723	3,000%	1,526	4,917
1+0,000	-1,525	5,214	-1,520	4,632	3,000%	4,586	5,143	1,520	4,632	3,000%	1,525	4,754
1+4,254	-1,525	5,119	-1,520	4,539	3,000%	4,493	5,065	1,520	4,539	3,000%	1,525	4,628
1+10,000	-1,608	5,104	-1,602	4,496	3,000%	4,448	5,021	1,602	4,496	3,000%	1,607	4,588
2+0,000	-1,750	4,962	-1,745	4,423	3,000%	4,370	4,874	1,746	4,423	3,000%	1,751	4,550
2+10,000	-1,894	4,998	-1,888	4,365	3,000%	4,309	4,944	1,889	4,365	3,000%	1,895	4,622
3+0,000	-2,036	4,956	-2,031	4,365	3,000%	4,304	4,869	2,032	4,365	3,000%	2,038	4,625
3+5,361	-2,113	4,926	-2,108	4,389	3,000%	4,326	4,946	2,109	4,389	3,000%	2,115	4,587
3+6,889	-1,986	4,922	-1,981	4,394	3,000%	4,335	4,959	2,488	4,409	3,000%	2,493	4,559
3+10,000	-2,602	5,025	-2,596	4,434	3,000%	4,356	4,931	3,525	4,462	3,000%	3,531	4,635

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
4+0,000	-1,695	4,983	-1,691	4,477	3,000%	4,427	4,962	1,265	4,464	3,000%	1,271	4,696
4+0,005	-1,694	4,983	-1,689	4,477	3,000%	4,427	4,962	1,266	4,465	3,000%	1,272	4,696
4+1,537	-1,425	5,008	-1,420	4,480	3,000%	4,437	4,968	1,438	4,480	3,000%	1,444	4,719
4+10,000	-1,424	4,994	-1,420	4,539	3,000%	4,497	4,997	1,571	4,544	3,000%	1,576	4,702
5+0,000	-1,424	5,091	-1,420	4,609	3,000%	4,567	4,996	1,728	4,618	3,000%	1,733	4,713
5+10,000	-1,424	5,095	-1,420	4,679	3,000%	4,637	5,135	1,885	4,693	3,000%	1,892	5,046
6+0,000	-2,361	5,134	-2,357	4,742	3,000%	4,671	5,162	2,504	4,747	3,000%	2,511	4,999
6+10,000	-2,623	5,124	-2,620	4,739	3,000%	4,660	5,140	2,620	4,739	3,000%	2,626	4,923
7+0,000	-2,623	5,110	-2,620	4,728	3,000%	4,649	5,119	2,620	4,728	3,000%	2,625	4,846
7+10,000	-2,623	5,096	-2,620	4,717	3,000%	4,638	5,097	2,620	4,717	3,000%	2,624	4,769
7+17,807	-2,623	5,081	-2,620	4,708	3,000%	4,629	5,080	2,620	4,708	3,000%	2,624	4,709
8+0,000	-2,623	5,080	-2,620	4,705	3,000%	4,627	5,077	2,620	4,705	3,000%	2,624	4,694
8+10,000	-2,627	5,430	-2,620	4,694	3,000%	4,616	5,075	2,620	4,694	3,000%	2,624	4,682
8+10,231	-2,627	5,441	-2,620	4,694	3,000%	4,615	5,075	2,620	4,694	3,000%	2,624	4,682
9+0,000	-4,741	5,794	-2,620	4,683	3,000%	4,604	5,068	2,620	4,683	3,000%	2,624	4,735
9+10,000	-5,355	6,207	-2,370	4,664	3,000%	4,593	5,065	2,370	4,664	3,000%	2,375	4,767
9+12,830	-2,374	5,120	-2,370	4,661	3,000%	4,590	5,066	2,370	4,661	3,000%	2,375	4,775
TRAVESSA PROFESSOR GUIOMAR												
0+0,000	-2,005	5,032	-2,000	4,527	3,000%	4,467	4,947	1,492	4,511	3,000%	1,496	4,515
0+10,000	-1,755	5,330	-1,748	4,585	3,000%	4,532	5,024	1,729	4,584	3,000%	1,733	4,559
0+18,451	-2,466	4,966	-2,462	4,578	3,000%	4,505	4,973	1,930	4,562	3,000%	1,934	4,594
TRAVESSA AYRTON SENNA												
0+0,000	-1,603	6,714	-1,599	6,273	3,000%	6,225	6,737	2,000	6,285	3,000%	2,004	6,313
0+10,000	-1,600	6,562	-1,596	6,077	3,000%	6,029	6,512	1,635	6,078	3,000%	1,640	6,133
0+19,484	-1,595	6,593	-1,590	6,100	3,000%	6,052	6,511	1,669	6,102	3,000%	1,673	6,114
1+0,000	-1,617	6,585	-1,612	6,099	3,000%	6,051	6,505	1,690	6,102	3,000%	1,694	6,106
1+10,000	-2,059	6,530	-2,054	5,988	3,000%	5,926	6,390	2,069	5,988	3,000%	2,073	6,045
2+0,000	-2,124	6,173	-2,120	5,684	3,000%	5,620	6,085	2,120	5,684	3,000%	2,124	5,753
2+10,000	-2,125	5,892	-2,120	5,335	3,000%	5,271	5,731	2,120	5,335	3,000%	2,125	5,464
3+0,000	-2,124	5,452	-2,120	4,985	3,000%	4,922	5,390	2,120	4,985	3,000%	2,125	5,057
3+10,000	-2,124	5,264	-2,120	4,782	3,000%	4,718	5,252	2,120	4,782	3,000%	2,124	4,811
4+0,000	-2,124	5,207	-2,120	4,804	3,000%	4,740	5,238	2,120	4,804	3,000%	2,124	4,807
4+5,846	-2,123	5,231	-2,120	4,833	3,000%	4,769	5,237	2,120	4,833	3,000%	2,124	4,886
4+10,000	-2,124	5,265	-2,120	4,853	3,000%	4,789	5,244	2,120	4,853	3,000%	2,125	4,941
4+11,679	-2,124	5,285	-2,120	4,859	3,000%	4,796	5,249	2,120	4,859	3,000%	2,125	4,951
5+0,000	-2,125	5,257	-2,120	4,751	3,000%	4,687	5,122	2,120	4,751	3,000%	2,124	4,780
5+10,000	-2,123	4,831	-2,120	4,456	3,000%	4,392	4,802	2,120	4,456	3,000%	2,124	4,450
6+0,000	-2,125	4,672	-2,120	4,161	3,000%	4,097	4,569	2,120	4,161	3,000%	2,123	4,126
6+10,000	-2,125	4,521	-2,120	4,013	3,000%	3,950	4,454	2,120	4,013	3,000%	2,123	3,973
6+15,511	-2,123	4,424	-2,120	4,041	3,000%	3,977	4,467	2,120	4,041	3,000%	2,123	3,994
7+0,000	-2,122	4,336	-2,120	4,064	3,000%	4,000	4,447	2,120	4,064	3,000%	2,123	3,943
7+10,000	-2,121	4,976	-2,120	4,790	3,000%	4,726	4,984	2,286	4,795	3,000%	2,289	4,799
7+14,446	-4,774	5,636	-4,771	5,294	3,000%	5,151	5,648	6,820	5,211	3,000%	6,850	5,220
RUA IATE												
0+5,000	-2,846	6,061	-2,842	5,636	3,000%	5,551	5,702	2,520	5,626	3,000%	2,527	5,913
0+10,000	-2,724	6,181	-2,720	5,719	3,000%	5,637	5,757	2,520	5,713	3,000%	2,525	5,877
0+15,000	-2,725	6,335	-2,720	5,806	3,000%	5,724	5,824	2,520	5,800	3,000%	2,525	5,929
1+0,000	-2,725	6,458	-2,720	5,899	3,000%	5,818	5,921	2,520	5,893	3,000%	2,525	5,965

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
1+5,000	-2,725	6,580	-2,720	6,004	3,000%	5,923	6,018	2,520	5,998	3,000%	2,524	6,034
1+10,000	-2,725	6,703	-2,720	6,121	3,000%	6,040	6,119	2,520	6,115	3,000%	2,524	6,176
1+15,000	-2,725	6,795	-2,720	6,250	3,000%	6,168	6,223	2,520	6,244	3,000%	2,526	6,421
2+0,000	-2,725	6,968	-2,720	6,383	3,000%	6,301	6,328	2,520	6,377	3,000%	2,527	6,654
2+5,000	-2,726	7,151	-2,720	6,516	3,000%	6,434	6,518	2,520	6,510	3,000%	2,526	6,741
2+10,000	-2,726	7,343	-2,720	6,648	3,000%	6,567	6,718	2,520	6,642	3,000%	2,526	6,897
2+15,000	-3,420	7,134	-2,720	6,734	3,000%	6,652	6,891	2,520	6,728	3,000%	2,527	7,065
3+0,000	-2,727	7,499	-2,720	6,733	3,000%	6,651	6,796	2,520	6,727	3,000%	2,525	6,891
3+5,000	-2,727	7,419	-2,720	6,646	3,000%	6,565	6,645	2,520	6,640	3,000%	2,524	6,628
3+10,000	-2,726	7,165	-2,720	6,474	3,000%	6,392	6,417	2,520	6,468	3,000%	2,523	6,405
3+15,000	-2,726	6,866	-2,720	6,260	3,000%	6,178	6,178	2,520	6,254	3,000%	2,523	6,182
4+0,000	-2,724	6,506	-2,720	6,045	3,000%	5,964	5,966	2,520	6,039	3,000%	2,524	6,030
4+5,000	-2,724	6,299	-2,720	5,838	3,000%	5,756	5,772	2,520	5,832	3,000%	2,524	5,897
4+10,000	-2,724	6,109	-2,720	5,662	3,000%	5,580	5,578	2,520	5,656	3,000%	2,524	5,647
4+15,000	-3,719	6,082	-3,714	5,549	3,000%	5,437	5,455	2,520	5,513	3,000%	2,524	5,492
5+0,000	-2,724	5,893	-2,720	5,410	3,000%	5,328	5,404	2,520	5,404	3,000%	2,524	5,396
5+5,000	-2,723	5,712	-2,720	5,328	3,000%	5,247	5,344	2,520	5,322	3,000%	2,524	5,313
5+10,000	-2,724	5,669	-2,720	5,249	3,000%	5,167	5,271	2,520	5,243	3,000%	2,524	5,264
5+15,000	-2,725	5,703	-2,720	5,170	3,000%	5,088	5,163	2,520	5,164	3,000%	2,525	5,240
6+0,000	-2,725	5,703	-2,720	5,091	3,000%	5,009	5,066	2,520	5,085	3,000%	2,525	5,204
6+0,041	-2,726	5,702	-2,720	5,090	3,000%	5,008	5,065	2,520	5,084	3,000%	2,525	5,203
6+5,000	-2,725	5,496	-2,720	4,980	3,000%	4,898	4,960	2,520	4,974	3,000%	2,524	4,999
6+10,000	-2,723	5,159	-2,720	4,800	3,000%	4,718	4,748	2,520	4,794	3,000%	2,524	4,817
6+15,000	-2,723	4,988	-2,720	4,648	3,000%	4,567	4,552	2,520	4,642	3,000%	2,524	4,646
7+0,000	-2,723	4,887	-2,720	4,530	3,000%	4,448	4,485	2,520	4,524	3,000%	2,524	4,559
7+5,000	-2,724	4,858	-2,720	4,445	3,000%	4,364	4,421	2,520	4,439	3,000%	2,524	4,478
7+10,000	-2,724	4,852	-2,720	4,394	3,000%	4,312	4,386	2,520	4,388	3,000%	2,524	4,432
7+15,000	-2,724	4,847	-2,720	4,376	3,000%	4,294	4,430	2,520	4,370	3,000%	2,525	4,466
8+0,000	-2,724	4,842	-2,720	4,385	3,000%	4,303	4,472	2,520	4,379	3,000%	2,525	4,514
8+5,000	-2,724	4,836	-2,720	4,395	3,000%	4,314	4,437	2,520	4,389	3,000%	2,525	4,508
8+10,000	-2,724	4,849	-2,720	4,406	3,000%	4,325	4,420	2,520	4,400	3,000%	2,524	4,469
8+15,000	-2,724	4,867	-2,720	4,417	3,000%	4,335	4,404	2,520	4,411	3,000%	2,524	4,429
9+0,000	-2,724	4,883	-2,720	4,428	3,000%	4,346	4,411	2,520	4,422	3,000%	2,523	4,391
9+5,000	-2,724	4,936	-2,720	4,444	3,000%	4,363	4,450	2,520	4,438	3,000%	2,524	4,448
9+10,000	-2,724	4,985	-2,720	4,511	3,000%	4,429	4,489	2,520	4,505	3,000%	2,524	4,503
9+15,000	-3,259	5,282	-3,253	4,653	3,000%	4,555	4,588	2,520	4,631	3,000%	2,524	4,610
10+0,000	-2,725	5,358	-2,720	4,816	3,000%	4,735	4,750	2,520	4,810	3,000%	2,524	4,806
10+5,000	-2,725	5,513	-2,720	5,005	3,000%	4,923	4,931	2,520	4,999	3,000%	2,523	4,942
10+10,000	-2,724	5,664	-2,720	5,193	3,000%	5,112	5,119	2,520	5,187	3,000%	2,523	5,085
10+15,000	-2,724	5,808	-2,720	5,382	3,000%	5,300	5,298	2,520	5,376	3,000%	2,523	5,312
11+0,000	-2,723	5,946	-2,720	5,570	3,000%	5,489	5,525	2,520	5,564	3,000%	2,524	5,537
11+1,779	-2,723	6,018	-2,720	5,638	3,000%	5,556	5,606	2,520	5,632	3,000%	2,524	5,613
TRAVESSA IATE												
0+0,000	-1,624	5,650	-1,620	5,222	3,000%	5,173	5,653	1,620	5,222	3,000%	1,624	5,194
0+10,000	-1,625	5,844	-1,620	5,322	3,000%	5,273	5,737	1,620	5,322	3,000%	1,623	5,259
1+0,000	-1,624	5,832	-1,620	5,373	3,000%	5,324	5,791	1,620	5,373	3,000%	1,623	5,320
1+1,168	-1,624	5,857	-1,620	5,370	3,000%	5,321	5,797	1,620	5,370	3,000%	1,623	5,326
1+10,000	-1,625	5,872	-1,620	5,287	3,000%	5,238	5,751	7,849	5,474	3,000%	7,850	5,235

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
2+0,000	-1,624	5,667	-1,620	5,223	3,000%	5,174	5,671	3,310	5,273	3,000%	3,314	5,287
2+8,092	-1,624	5,733	-1,620	5,295	3,000%	5,246	5,729	1,817	5,300	3,000%	1,821	5,317
2+10,000	-1,594	5,748	-1,590	5,313	3,000%	5,265	5,743	1,492	5,310	3,000%	1,496	5,322
2+16,015	-1,442	5,748	-1,439	5,368	3,000%	5,325	5,785	1,323	5,365	3,000%	1,327	5,375
2+19,170	-1,424	5,808	-1,420	5,399	3,000%	5,356	5,806	1,420	5,399	3,000%	1,424	5,420
3+0,000	-1,423	5,800	-1,420	5,407	3,000%	5,365	5,811	1,420	5,407	3,000%	1,424	5,433
3+6,109	-1,423	5,866	-1,420	5,467	3,000%	5,425	5,878	1,420	5,467	3,000%	1,424	5,504
3+10,000	-1,423	5,888	-1,420	5,495	3,000%	5,452	5,930	1,420	5,495	3,000%	1,424	5,546
4+0,000	-1,423	5,901	-1,420	5,504	3,000%	5,461	5,942	1,420	5,504	3,000%	1,424	5,559
4+10,000	-1,424	5,864	-1,420	5,436	3,000%	5,393	5,844	1,420	5,436	3,000%	1,424	5,471
4+12,146	-1,424	5,856	-1,420	5,419	3,000%	5,377	5,833	1,420	5,419	3,000%	1,424	5,440
5+0,000	-1,424	5,809	-1,420	5,359	3,000%	5,316	5,818	1,420	5,359	3,000%	1,424	5,428
5+10,000	-1,424	5,722	-1,420	5,281	3,000%	5,239	5,728	1,420	5,281	3,000%	1,425	5,385
6+0,000	-1,424	5,663	-1,420	5,241	3,000%	5,198	5,669	1,420	5,241	3,000%	1,425	5,337
6+10,000	-1,423	5,552	-1,420	5,195	3,000%	5,153	5,626	2,490	5,227	3,000%	2,494	5,253
6+16,020	-3,048	5,321	-3,048	4,917	3,000%	4,857	5,345	4,320	4,986	3,000%	4,324	5,019
RUA SANTANA DO LIVRAMENTO												
0+0,000	-4,204	5,344	-4,190	4,911	3,000%	4,851	5,338	2,813	4,935	3,000%	2,817	4,932
0+10,000	-1,624	5,062	-1,620	4,564	3,000%	4,515	4,908	2,119	4,579	3,000%	2,126	4,900
1+0,000	-1,625	4,823	-1,620	4,265	3,000%	4,217	4,666	2,118	4,280	3,000%	2,123	4,451
1+10,000	-1,625	4,602	-1,620	4,041	3,000%	3,993	4,517	2,117	4,056	3,000%	2,122	4,230
2+0,000	-1,624	4,385	-1,620	3,892	3,000%	3,844	4,386	2,116	3,907	3,000%	2,121	4,080
2+10,000	-1,625	4,329	-1,620	3,818	3,000%	3,769	4,353	2,115	3,833	3,000%	2,121	4,050
3+0,000	-2,124	4,319	-2,120	3,833	3,000%	3,769	4,320	2,114	3,833	3,000%	2,120	4,005
3+10,000	-2,125	4,430	-2,120	3,908	3,000%	3,844	4,288	2,113	3,908	3,000%	2,118	4,001
4+0,000	-2,124	4,525	-2,120	4,058	3,000%	3,994	4,436	2,112	4,057	3,000%	2,117	4,191
4+10,000	-2,124	4,699	-2,120	4,282	3,000%	4,218	4,656	2,111	4,282	3,000%	2,115	4,310
5+0,000	-2,124	5,097	-2,120	4,616	3,000%	4,552	5,050	2,110	4,615	3,000%	2,115	4,692
5+10,000	-2,126	5,804	-2,120	5,189	3,000%	5,125	5,610	2,110	5,188	3,000%	2,115	5,325
6+0,000	-2,124	6,229	-2,120	5,757	3,000%	5,694	6,197	2,109	5,757	3,000%	2,113	5,835
6+10,000	-2,124	6,352	-2,120	5,950	3,000%	5,886	6,347	2,108	5,949	3,000%	2,110	5,811
7+0,000	-2,124	6,463	-2,120	5,981	3,000%	5,917	6,375	2,107	5,980	3,000%	2,110	5,884
7+10,000	-2,126	6,641	-2,120	6,018	3,000%	5,954	6,447	2,836	6,039	3,000%	2,839	5,948
7+11,837	-2,126	6,679	-2,120	6,034	3,000%	5,971	6,462	2,296	6,039	3,000%	2,300	6,018
8+0,000	-2,107	6,796	-2,101	6,173	3,000%	6,110	6,610	2,145	6,175	3,000%	2,149	6,195
8+10,000	-2,083	6,938	-2,077	6,366	3,000%	6,304	6,707	2,120	6,368	3,000%	2,124	6,420
9+0,000	-2,059	6,548	-2,054	6,024	3,000%	5,962	6,325	2,120	6,026	3,000%	2,125	6,174
9+7,659	-2,041	6,040	-2,036	5,525	3,000%	5,464	5,850	2,120	5,528	3,000%	2,127	5,841
9+10,000	-2,013	5,887	-2,008	5,372	3,000%	5,312	5,715	2,120	5,376	3,000%	2,126	5,636
10+0,000	-2,039	5,187	-2,035	4,794	3,000%	4,733	5,141	2,120	4,797	3,000%	2,123	4,762
10+1,330	-2,051	5,131	-2,048	4,743	3,000%	4,681	5,097	2,120	4,745	3,000%	2,124	4,727
10+10,000	-2,087	4,980	-2,083	4,570	3,000%	4,508	4,944	2,120	4,571	3,000%	2,123	4,537
10+18,874	-2,123	4,845	-2,120	4,481	3,000%	4,418	4,823	1,831	4,472	3,000%	1,834	4,405
11+0,000	-2,123	4,831	-2,120	4,470	3,000%	4,406	4,811	1,739	4,458	3,000%	1,742	4,393
11+3,391	-2,123	4,789	-2,120	4,435	3,000%	4,372	4,774	1,620	4,420	3,000%	1,623	4,357
11+10,000	-2,124	4,773	-2,120	4,368	3,000%	4,305	4,694	1,620	4,353	3,000%	1,623	4,288
12+0,000	-2,123	4,646	-2,120	4,267	3,000%	4,203	4,594	1,620	4,252	3,000%	1,623	4,173
12+5,514	-2,124	4,671	-2,120	4,211	3,000%	4,147	4,546	1,620	4,196	3,000%	1,623	4,146

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
12+10,000	-2,123	4,537	-2,120	4,165	3,000%	4,102	4,513	1,620	4,150	3,000%	1,624	4,158
13+0,000	-2,123	4,422	-2,120	4,064	3,000%	4,000	4,421	1,620	4,049	3,000%	1,624	4,112
13+10,000	-2,124	4,377	-2,120	3,963	3,000%	3,899	4,382	1,620	3,948	3,000%	1,624	4,006
14+0,000	-2,124	4,338	-2,120	3,900	3,000%	3,836	4,341	1,620	3,885	3,000%	1,624	3,903
14+10,000	-2,124	4,473	-2,120	3,990	3,000%	3,927	4,439	1,620	3,975	3,000%	1,624	4,011
15+0,000	-2,124	4,700	-2,120	4,241	3,000%	4,178	4,593	1,620	4,226	3,000%	1,624	4,252
15+10,000	-2,123	5,220	-2,118	4,614	3,000%	4,551	5,024	1,620	4,599	3,000%	1,624	4,658
15+10,535	-2,116	5,248	-2,110	4,634	3,000%	4,571	5,053	1,620	4,620	3,000%	1,624	4,655
16+0,000	-1,977	5,441	-1,972	4,909	3,000%	4,850	5,264	1,620	4,898	3,000%	1,623	4,844
16+10,000	-1,820	5,544	-1,816	5,071	3,000%	5,016	5,468	1,620	5,065	3,000%	1,623	4,998
17+0,000	-1,664	5,700	-1,660	5,231	3,000%	5,182	5,628	1,620	5,230	3,000%	1,624	5,227
17+2,566	-1,616	5,747	-1,612	5,272	3,000%	5,224	5,656	1,620	5,272	3,000%	1,624	5,293
17+10,000	-1,591	5,977	-1,586	5,394	3,000%	5,347	5,891	1,619	5,395	3,000%	1,623	5,410
17+10,336	-1,600	6,014	-1,594	5,400	3,000%	5,352	5,903	1,620	5,401	3,000%	1,624	5,418
18+0,000	-1,625	6,152	-1,620	5,560	3,000%	5,512	6,011	1,620	5,560	3,000%	1,625	5,651
18+10,000	-1,624	6,193	-1,620	5,725	3,000%	5,677	6,185	1,620	5,725	3,000%	1,624	5,795
18+11,152	-1,624	6,192	-1,620	5,744	3,000%	5,696	6,200	1,620	5,744	3,000%	1,624	5,811
18+17,483	-1,623	6,245	-1,620	5,849	3,000%	5,800	6,276	2,801	5,884	3,000%	2,804	5,794
19+0,000	-1,623	6,283	-1,620	5,890	3,000%	5,842	6,309	3,169	5,937	3,000%	3,173	5,888
19+10,000	-1,624	6,468	-1,620	6,055	3,000%	6,007	6,494	1,620	6,055	3,000%	1,624	6,088
19+12,029	-1,624	6,495	-1,620	6,089	3,000%	6,040	6,519	1,620	6,089	3,000%	1,624	6,104
TRAVESSA SANTANA DO LIVRAMENTO												
0+0,000	-1,670	6,677	-1,665	6,140	3,000%	6,090	6,591	1,376	6,131	3,000%	1,380	6,532
1+0,000	-1,826	6,621	-1,822	6,181	3,000%	6,126	6,617	1,530	6,172	3,000%	1,535	6,707
2+0,000	-1,984	6,466	-1,979	6,014	3,000%	5,955	6,456	1,683	6,006	3,000%	1,690	6,702
3+0,000	-3,313	6,344	-3,311	6,117	3,000%	6,017	6,428	2,176	6,083	3,000%	2,181	6,584
3+1,738	-2,003	6,445	-2,000	6,110	3,000%	6,050	6,433	2,584	6,127	3,000%	2,588	6,548
RUA JOSÉ OLIVEIRA												
0+0,000	-2,005	6,109	-2,000	5,547	3,000%	5,487	5,903	2,584	5,565	3,000%	2,586	5,420
0+10,000	-2,560	5,673	-2,556	5,227	3,000%	5,151	5,594	2,556	5,227	3,000%	2,559	5,190
1+3,143	-2,004	5,419	-2,000	4,957	3,000%	4,897	5,425	1,920	4,955	3,000%	1,924	4,971
1+10,000	-2,489	5,452	-2,484	4,925	3,000%	4,851	5,362	1,920	4,908	3,000%	1,924	4,945
2+0,000	-2,793	5,395	-2,788	4,867	3,000%	4,783	5,272	1,920	4,841	3,000%	1,923	4,799
2+10,000	-3,002	5,284	-2,998	4,806	3,000%	4,716	5,226	1,920	4,774	3,000%	1,923	4,711
3+0,000	-2,729	5,190	-2,725	4,749	3,000%	4,667	5,133	1,920	4,725	3,000%	1,923	4,629
3+10,000	-2,397	5,219	-2,393	4,751	3,000%	4,679	5,176	1,920	4,737	3,000%	1,923	4,672
4+0,000	-2,065	5,238	-2,061	4,772	3,000%	4,710	5,202	1,920	4,767	3,000%	1,923	4,718
4+4,234	-1,924	5,178	-1,920	4,782	3,000%	4,724	5,200	1,920	4,782	3,000%	1,923	4,733
4+10,000	-1,923	5,166	-1,920	4,807	3,000%	4,750	5,220	1,920	4,807	3,000%	1,924	4,780
5+0,000	-1,923	5,244	-1,920	4,866	3,000%	4,809	5,281	1,920	4,866	3,000%	1,924	4,870
5+10,000	-1,924	5,404	-1,920	4,935	3,000%	4,877	5,361	1,920	4,935	3,000%	1,924	4,941
6+0,000	-1,924	5,491	-1,920	5,000	3,000%	4,942	5,437	1,920	5,000	3,000%	1,924	4,980
6+10,000	-1,924	5,414	-1,920	5,010	3,000%	4,953	5,428	1,920	5,010	3,000%	1,923	4,967
7+0,000	-1,924	5,354	-1,920	4,951	3,000%	4,893	5,372	1,920	4,951	3,000%	1,924	5,020
7+7,060	-1,924	5,377	-1,920	4,896	3,000%	4,839	5,339	1,920	4,896	3,000%	1,924	4,935
7+10,000	-1,924	5,352	-1,920	4,873	3,000%	4,816	5,327	1,920	4,873	3,000%	1,924	4,916
8+0,000	-1,924	5,237	-1,920	4,797	3,000%	4,740	5,243	1,920	4,797	3,000%	1,924	4,839
8+10,000	-1,924	5,256	-1,920	4,760	3,000%	4,702	5,192	1,920	4,760	3,000%	1,924	4,808

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM PARALELEPÍPEDO
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
9+0,000	-1,923	5,147	-1,920	4,764	3,000%	4,707	5,209	1,920	4,764	3,000%	1,924	4,767
9+10,000	-1,924	5,197	-1,920	4,771	3,000%	4,714	5,199	1,920	4,771	3,000%	1,924	4,759
10+0,000	-1,925	5,320	-1,920	4,810	3,000%	4,752	5,271	1,920	4,810	3,000%	1,924	4,860
10+9,663	-2,004	5,414	-2,000	4,960	3,000%	4,900	5,396	3,856	5,015	3,000%	3,858	4,880
RUA 23												
0+0,000	-1,873	4,307	-1,870	3,921	3,000%	3,865	4,345	1,870	3,921	3,000%	1,873	3,835
0+10,000	-1,873	4,172	-1,870	3,821	3,000%	3,765	4,225	1,870	3,821	3,000%	1,874	3,857
1+0,000	-1,873	4,131	-1,870	3,743	3,000%	3,687	4,169	1,870	3,743	3,000%	1,874	3,792
1+10,000	-1,875	4,298	-1,870	3,765	3,000%	3,709	4,167	1,870	3,765	3,000%	1,874	3,787
1+12,915	-1,875	4,312	-1,870	3,791	3,000%	3,735	4,196	1,870	3,791	3,000%	1,874	3,834
2+0,000	-1,873	4,237	-1,870	3,860	3,000%	3,804	4,269	1,870	3,860	3,000%	1,875	3,943
2+3,177	-1,873	4,223	-1,870	3,875	3,000%	3,819	4,270	1,870	3,875	3,000%	1,874	3,944
2+10,000	-1,873	4,245	-1,870	3,872	3,000%	3,816	4,271	1,870	3,872	3,000%	1,874	3,906
3+0,000	-1,874	4,299	-1,870	3,860	3,000%	3,803	4,255	1,870	3,860	3,000%	1,874	3,872
3+5,415	-1,874	4,305	-1,870	3,853	3,000%	3,797	4,248	1,870	3,853	3,000%	1,874	3,862
3+10,000	-1,874	4,287	-1,870	3,847	3,000%	3,791	4,250	1,870	3,847	3,000%	1,876	4,037
4+0,000	-1,874	4,269	-1,870	3,835	3,000%	3,779	4,254	1,870	3,835	3,000%	1,874	3,885
4+10,000	-1,873	4,238	-1,870	3,843	3,000%	3,787	4,264	1,870	3,843	3,000%	1,874	3,889
5+0,000	-1,874	4,388	-1,870	3,923	3,000%	3,867	4,347	1,870	3,923	3,000%	1,874	3,950
5+10,000	-1,874	4,394	-1,870	3,981	3,000%	3,925	4,366	1,870	3,981	3,000%	1,874	3,962
6+0,000	-1,874	4,334	-1,870	3,904	3,000%	3,848	4,327	1,870	3,904	3,000%	1,874	3,926
6+9,649	-1,874	4,235	-1,870	3,794	3,000%	3,738	4,271	1,870	3,794	3,000%	1,875	3,877
6+10,000	-1,874	4,228	-1,870	3,790	3,000%	3,734	4,264	1,870	3,790	3,000%	1,875	3,871
7+0,000	-1,874	4,154	-1,870	3,692	3,000%	3,636	4,086	1,870	3,692	3,000%	1,875	3,773
7+10,000	-1,875	4,276	-1,870	3,730	3,000%	3,673	4,172	1,870	3,730	3,000%	1,874	3,744
7+14,987	-1,876	4,366	-1,870	3,763	3,000%	3,707	4,198	1,870	3,763	3,000%	1,874	3,764
8+0,000	-1,875	4,298	-1,870	3,797	3,000%	3,741	4,225	1,870	3,797	3,000%	1,874	3,803
8+6,161	-1,873	4,388	-1,870	3,990	3,000%	3,933	4,400	1,870	3,990	3,000%	1,875	4,095
8+10,000	-1,873	4,587	-1,870	4,198	3,000%	4,142	4,614	1,870	4,198	3,000%	1,875	4,312
8+17,948	-5,140	4,837	-5,138	4,387	3,000%	4,327	4,807	3,473	4,431	3,000%	3,477	4,376

**NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM INTERTRAVADO
BAIRRO MOSQUEIRO**

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
RUA RECANTO MARGARIDA												
0+0,000	-3,264	4,975	-3,261	4,585	3,000%	4,487	4,917	2,120	4,547	3,000%	2,140	4,837
0+10,000	-2,798	4,913	-2,796	4,596	3,000%	4,512	4,947	1,870	4,568	3,000%	1,873	4,882
0+19,524	-2,095	4,916	-2,093	4,599	3,000%	4,537	4,974	1,870	4,593	3,000%	1,873	4,911
1+0,000	-2,061	4,917	-2,058	4,600	3,000%	4,538	4,977	1,870	4,594	3,000%	1,873	4,914
1+5,418	-1,873	4,947	-1,870	4,608	3,000%	4,552	4,989	1,870	4,608	3,000%	1,873	4,956
1+10,000	-1,873	4,973	-1,870	4,619	3,000%	4,563	5,001	1,870	4,619	3,000%	1,873	4,974
2+0,000	-1,873	5,000	-1,870	4,645	3,000%	4,589	5,024	1,870	4,645	3,000%	1,873	4,996
2+10,000	-1,873	5,019	-1,870	4,676	3,000%	4,620	5,054	1,870	4,676	3,000%	1,873	5,046
2+10,664	-1,873	5,026	-1,870	4,679	3,000%	4,623	5,060	1,870	4,679	3,000%	1,873	5,050
3+0,000	-1,863	5,182	-1,859	4,737	3,000%	4,681	5,144	1,881	4,738	3,000%	1,885	5,126
3+5,802	-1,874	5,207	-1,870	4,776	3,000%	4,720	5,190	1,870	4,776	3,000%	1,874	5,178
3+10,000	-1,874	5,214	-1,870	4,804	3,000%	4,748	5,219	1,870	4,804	3,000%	1,874	5,207
4+0,000	-1,873	5,192	-1,870	4,871	3,000%	4,815	5,264	1,870	4,871	3,000%	1,873	5,256
4+10,000	-1,873	5,223	-1,870	4,914	3,000%	4,858	5,290	1,870	4,914	3,000%	1,873	5,297
5+0,000	-1,873	5,294	-1,870	4,902	3,000%	4,846	5,329	1,870	4,902	3,000%	1,874	5,338
5+10,000	-1,874	5,278	-1,870	4,835	3,000%	4,779	5,250	1,870	4,835	3,000%	1,873	5,212
6+0,000	-1,874	5,139	-1,870	4,736	3,000%	4,680	5,147	1,870	4,736	3,000%	1,873	5,117
6+6,651	-1,874	5,086	-1,870	4,670	3,000%	4,613	5,068	1,870	4,670	3,000%	1,873	5,043
6+10,000	-1,874	5,060	-1,870	4,642	3,000%	4,586	5,033	1,870	4,642	3,000%	1,873	5,042
7+0,000	-1,874	5,046	-1,870	4,634	3,000%	4,578	5,011	1,870	4,634	3,000%	1,873	4,990
7+0,662	-1,874	5,047	-1,870	4,634	3,000%	4,578	5,011	1,870	4,634	3,000%	1,873	4,982
7+10,000	-1,874	5,012	-1,870	4,532	3,000%	4,476	4,920	1,870	4,532	3,000%	1,874	5,004
8+0,000	-1,873	4,760	-1,870	4,367	3,000%	4,311	4,777	1,870	4,367	3,000%	1,874	4,812
8+10,000	-1,874	4,805	-1,870	4,377	3,000%	4,321	4,784	1,870	4,377	3,000%	1,874	4,796
9+0,000	-1,872	4,899	-1,870	4,645	3,000%	4,589	4,928	1,870	4,645	3,000%	1,872	4,941
9+10,000	-1,870	5,006	-1,870	4,941	3,000%	4,885	5,076	1,870	4,941	3,000%	1,871	5,112
10+0,000	-2,115	5,228	-1,870	5,237	3,000%	5,180	5,268	1,870	5,237	3,000%	2,753	6,024
10+5,185	-2,126	5,348	-1,870	5,363	3,000%	5,307	5,348	1,870	5,363	3,000%	1,874	5,782
10+10,000	-2,087	5,457	-1,870	5,446	3,000%	5,390	5,433	1,870	5,446	3,000%	1,876	6,137
10+19,761	-1,871	5,682	-1,870	5,512	3,000%	5,456	5,546	1,870	5,512	3,000%	1,875	6,067
11+0,000	-1,871	5,693	-1,870	5,511	3,000%	5,455	5,548	1,870	5,511	3,000%	1,875	6,053
11+10,000	-1,876	6,128	-1,870	5,457	3,000%	5,401	5,638	1,870	5,457	3,000%	1,873	5,762
12+0,000	-1,876	6,052	-1,870	5,391	3,000%	5,335	5,674	1,870	5,391	3,000%	1,875	5,946
12+10,000	-1,873	5,676	-1,870	5,325	3,000%	5,269	5,661	1,870	5,325	3,000%	1,874	5,746
13+0,000	-1,874	5,737	-1,870	5,272	3,000%	5,216	5,599	1,870	5,272	3,000%	1,872	5,549
13+2,450	-1,874	5,743	-1,870	5,273	3,000%	5,217	5,624	1,885	5,274	3,000%	1,888	5,602
13+10,000	-1,998	5,777	-1,994	5,307	3,000%	5,247	5,679	2,013	5,308	3,000%	2,017	5,715
13+18,122	-2,111	5,781	-2,107	5,347	3,000%	5,284	5,741	2,111	5,347	3,000%	2,115	5,777
14+0,000	-2,116	5,795	-2,112	5,355	3,000%	5,292	5,753	2,112	5,355	3,000%	2,116	5,784
14+10,000	-2,118	5,868	-2,114	5,400	3,000%	5,337	5,813	2,114	5,400	3,000%	2,117	5,824
15+0,000	-2,120	5,932	-2,116	5,445	3,000%	5,382	5,872	2,115	5,445	3,000%	2,119	5,843
15+10,000	-2,122	5,943	-2,117	5,490	3,000%	5,426	5,911	2,117	5,490	3,000%	2,123	6,118
16+0,000	-2,123	5,940	-2,119	5,544	3,000%	5,481	5,919	2,119	5,544	3,000%	2,123	5,987
16+4,137	-2,123	5,943	-2,120	5,572	3,000%	5,509	5,921	2,120	5,572	3,000%	2,122	5,883
16+10,000	-2,122	5,970	-2,119	5,616	3,000%	5,553	5,943	2,119	5,616	3,000%	2,121	5,921
17+0,000	-2,122	6,082	-2,119	5,706	3,000%	5,642	5,995	2,117	5,706	3,000%	2,119	5,960
17+10,000	-2,122	6,243	-2,118	5,803	3,000%	5,739	6,124	2,116	5,803	3,000%	2,120	6,276
18+0,000	-2,120	6,210	-2,117	5,900	3,000%	5,836	6,180	2,114	5,900	3,000%	2,117	6,196
18+10,000	-2,120	6,321	-2,117	5,997	3,000%	5,934	6,316	2,113	5,997	3,000%	2,116	6,346
19+0,000	-2,121	6,587	-2,116	6,094	3,000%	6,031	6,438	2,111	6,094	3,000%	2,115	6,480

**NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTO EM INTERTRAVADO
BAIRRO MOSQUEIRO**

Estaca	Lado Esquerdo					Eixo		Lado Direito				
	Offset		Bordo da Pista			Cota Projeto	Cota Terreno	Bordo da Pista			Offset	
	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota
19+10,000	-2,121	6,774	-2,115	6,191	3,000%	6,128	6,570	2,110	6,191	3,000%	2,113	6,571
19+17,135	-2,119	6,698	-2,115	6,261	3,000%	6,197	6,634	2,134	6,261	3,000%	2,137	6,621
20+0,000	-2,166	6,750	-2,162	6,290	3,000%	6,225	6,649	2,206	6,291	3,000%	2,209	6,630
20+7,567	-2,352	6,884	-2,347	6,346	3,000%	6,276	6,675	2,370	6,347	3,000%	2,372	6,597
20+10,000	-2,374	6,826	-2,370	6,354	3,000%	6,283	6,677	2,370	6,354	3,000%	2,372	6,589
21+0,000	-2,373	6,714	-2,370	6,337	3,000%	6,266	6,673	2,370	6,337	3,000%	2,372	6,601
21+10,000	-2,373	6,654	-2,370	6,284	3,000%	6,213	6,643	2,370	6,284	3,000%	2,373	6,600
22+0,000	-2,373	6,600	-2,370	6,231	3,000%	6,160	6,597	2,370	6,231	3,000%	2,373	6,595
22+8,883	-2,373	6,557	-2,370	6,184	3,000%	6,112	6,553	2,370	6,184	3,000%	2,374	6,609
22+10,000	-2,373	6,552	-2,370	6,178	3,000%	6,107	6,548	2,370	6,178	3,000%	2,374	6,604
23+0,000	-2,373	6,492	-2,370	6,116	3,000%	6,045	6,486	2,370	6,116	3,000%	2,373	6,482
23+2,449	-2,373	6,461	-2,370	6,093	3,000%	6,022	6,467	2,370	6,093	3,000%	2,374	6,535
23+10,000	-2,373	6,356	-2,370	6,004	3,000%	5,932	6,396	2,370	6,004	3,000%	2,374	6,480
24+0,000	-2,516	6,188	-2,514	5,887	3,000%	5,812	6,240	2,370	5,883	3,000%	2,374	6,290
24+10,000	-2,873	6,087	-2,870	5,777	3,000%	5,691	6,097	2,382	5,762	3,000%	2,385	6,093
25+0,000	-2,873	6,024	-2,870	5,683	3,000%	5,597	6,040	2,613	5,675	3,000%	2,617	6,189
25+10,000	-2,874	6,087	-2,870	5,643	3,000%	5,557	6,044	2,843	5,642	3,000%	2,847	6,092
26+0,000	-2,874	6,119	-2,870	5,629	3,000%	5,543	6,045	2,870	5,629	3,000%	2,874	6,055
26+10,000	-2,875	6,146	-2,870	5,616	3,000%	5,530	6,049	2,870	5,616	3,000%	2,872	5,899
27+0,000	-2,875	6,139	-2,870	5,603	3,000%	5,517	6,000	2,870	5,603	3,000%	2,872	5,848
27+10,000	-2,874	6,093	-2,870	5,603	3,000%	5,517	5,956	2,870	5,603	3,000%	2,872	5,879
28+0,000	-2,874	6,063	-2,870	5,629	3,000%	5,543	6,036	2,870	5,629	3,000%	2,873	5,955
28+7,228	-2,982	6,070	-2,979	5,667	3,000%	5,578	6,046	2,764	5,661	3,000%	2,767	6,087
28+10,000	-2,928	6,075	-2,925	5,690	3,000%	5,602	6,044	2,829	5,687	3,000%	2,833	6,136
28+15,583	-8,237	6,031	-8,236	5,916	3,000%	5,669	6,031	7,090	5,729	3,000%	7,110	6,040
TRAVESSA B												
0+0,000	-2,124	5,838	-2,120	5,432	3,000%	5,368	5,798	2,120	5,432	3,000%	2,124	5,925
0+10,000	-2,125	6,720	-2,120	6,133	3,000%	6,070	6,550	2,120	6,133	3,000%	2,125	6,669
0+17,488	-2,125	7,196	-2,120	6,659	3,000%	6,595	7,029	2,120	6,659	3,000%	2,124	7,136
1+0,000	-2,124	7,273	-2,120	6,828	3,000%	6,764	7,192	2,120	6,828	3,000%	2,124	7,319
1+10,000	-2,124	7,608	-2,120	7,153	3,000%	7,089	7,542	2,120	7,153	3,000%	2,123	7,536
2+0,000	-2,124	7,359	-2,120	6,902	3,000%	6,838	7,248	2,120	6,902	3,000%	2,122	7,199
2+10,000	-2,124	6,881	-2,120	6,456	3,000%	6,392	6,779	2,120	6,456	3,000%	2,124	6,897
3+0,000	-2,124	6,599	-2,120	6,142	3,000%	6,079	6,574	2,120	6,142	3,000%	2,126	6,772
3+10,000	-2,124	6,428	-2,120	5,960	3,000%	5,896	6,356	2,120	5,960	3,000%	2,124	6,402
3+18,593	-2,124	6,330	-2,120	5,908	3,000%	5,845	6,281	2,120	5,908	3,000%	2,123	6,268
4+0,000	-2,124	6,312	-2,120	5,909	3,000%	5,846	6,270	2,120	5,909	3,000%	2,123	6,250
4+10,000	-2,123	6,300	-2,120	5,924	3,000%	5,861	6,288	2,120	5,924	3,000%	2,123	6,318
5+0,000	-2,123	6,234	-2,120	5,916	3,000%	5,852	6,268	2,120	5,916	3,000%	2,123	6,283
5+10,000	-2,123	6,208	-2,120	5,894	3,000%	5,831	6,229	2,120	5,894	3,000%	2,123	6,233
5+13,530	-2,123	6,205	-2,120	5,886	3,000%	5,823	6,217	2,120	5,886	3,000%	2,123	6,201
6+0,000	-2,123	6,195	-2,120	5,872	3,000%	5,809	6,196	2,120	5,872	3,000%	2,122	6,146
6+5,569	-2,122	6,154	-2,120	5,864	3,000%	5,800	6,155	2,120	5,864	3,000%	2,123	6,198
6+10,000	-2,122	6,120	-2,120	5,876	3,000%	5,813	6,121	2,120	5,876	3,000%	2,123	6,202
6+17,092	-4,996	6,068	-4,995	5,989	3,000%	5,839	6,141	6,572	5,899	3,000%	6,580	6,172

**NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTAÇÃO ASFALTICA
BAIRRO MOSQUEIRO**

Estaca	Lado Esquerdo									Eixo		Lado Direito								
	Offset		Bordo Externo do Passeio		Bordo Interno do Passeio		Bordo da Pista			Cota do Greide	Cota Terreno	Bordo da Pista			Bordo Interno do Passeio		Bordo Externo do Passeio		Offset	
	Distância	Cota	Distância	Cota	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota	Distância	Cota	Distância	Cota
RUA B (2)																				
0+5,398	-6,422	6,451	-6,421	6,320	-3,800	6,267	-3,800	5,757	-3,00%	6,411	6,439	3,800	5,757	-3,00%	3,800	6,267	5,000	6,291	5,005	6,845
0+10,000	-5,002	6,563	-5,000	6,343	-3,800	6,319	-3,800	5,809	-3,00%	6,463	6,475	3,800	5,809	-3,00%	3,800	6,319	4,982	6,343	4,987	6,812
1+0,000	-5,000	6,468	-5,000	6,425	-3,800	6,401	-3,800	5,891	-3,00%	6,545	6,522	3,800	5,891	-3,00%	3,800	6,401	4,945	6,424	4,949	6,854
1+10,000	-5,054	6,380	-5,000	6,416	-3,800	6,392	-3,800	5,882	-3,00%	6,536	6,531	3,800	5,882	-3,00%	3,800	6,392	5,000	6,416	5,004	6,861
2+0,000	-5,001	6,437	-5,000	6,383	-3,800	6,359	-3,800	5,849	-3,00%	6,503	6,447	3,800	5,849	-3,00%	3,800	6,359	5,000	6,383	5,004	6,791
2+10,000	-5,001	6,471	-5,000	6,350	-3,800	6,326	-3,800	5,816	-3,00%	6,470	6,395	3,800	5,816	-3,00%	3,800	6,326	5,000	6,350	5,004	6,785
3+0,000	-5,002	6,526	-5,000	6,317	-3,800	6,293	-3,800	5,783	-3,00%	6,437	6,433	3,800	5,783	-3,00%	3,800	6,293	5,000	6,317	5,004	6,697
3+10,000	-5,003	6,535	-5,000	6,285	-3,800	6,261	-3,800	5,751	-3,00%	6,405	6,264	3,800	5,751	-3,00%	3,800	6,261	5,000	6,285	5,004	6,688
4+0,000	-5,002	6,404	-5,000	6,252	-3,800	6,228	-3,800	5,718	-3,00%	6,372	6,264	3,800	5,718	-3,00%	3,800	6,228	5,000	6,252	5,004	6,694
4+10,000	-5,001	6,335	-5,000	6,246	-3,800	6,222	-3,800	5,712	-3,00%	6,366	6,308	3,800	5,712	-3,00%	3,800	6,222	5,000	6,246	5,002	6,421
5+0,000	-5,002	6,447	-5,000	6,281	-3,800	6,257	-3,800	5,747	-3,00%	6,401	6,360	3,800	5,747	-3,00%	3,800	6,257	5,000	6,281	5,000	6,288
5+10,000	-5,003	6,674	-5,000	6,356	-3,800	6,332	-3,800	5,822	-3,00%	6,476	6,423	3,800	5,822	-3,00%	3,800	6,332	5,000	6,356	5,001	6,406
6+0,000	-5,002	6,651	-5,000	6,444	-3,800	6,420	-3,800	5,910	-3,00%	6,564	6,545	3,800	5,910	-3,00%	3,800	6,420	5,000	6,444	5,000	6,482
6+10,000	-5,002	6,657	-5,000	6,442	-3,800	6,418	-3,800	5,908	-3,00%	6,562	6,635	3,800	5,908	-3,00%	3,800	6,418	5,000	6,442	5,001	6,559
6+15,137	-6,461	6,824	-6,457	6,420	-3,800	6,367	-3,800	5,857	-3,00%	6,511	6,655	3,800	5,857	-3,00%	3,800	6,367	6,710	6,425	6,711	6,538
RUA C (2)																				
0+4,379	-6,595	5,276	-6,591	4,912	-3,800	4,856	-3,800	4,346	-3,00%	5,000	5,148	3,800	4,346	-3,00%	3,800	4,856	5,000	4,880	5,004	5,284
0+10,000	-5,004	5,409	-5,000	5,013	-3,800	4,989	-3,800	4,479	-3,00%	5,133	5,226	3,800	4,479	-3,00%	3,800	4,989	5,035	5,014	5,039	5,413
1+0,000	-4,898	5,431	-4,896	5,209	-3,800	5,187	-3,800	4,677	-3,00%	5,331	5,312	3,800	4,677	-3,00%	3,800	5,187	4,906	5,209	4,909	5,519
1+6,923	-4,792	5,425	-4,791	5,286	-3,800	5,266	-3,800	4,756	-3,00%	5,410	5,374	3,800	4,756	-3,00%	3,800	5,266	4,812	5,287	4,816	5,594
1+10,000	-4,724	5,440	-4,723	5,311	-3,800	5,293	-3,800	4,783	-3,00%	5,437	5,400	3,800	4,783	-3,00%	3,800	5,293	4,756	5,312	4,759	5,612
1+19,849	-5,002	5,570	-5,000	5,340	-3,800	5,316	-3,800	4,806	-3,00%	5,460	5,434	3,800	4,806	-3,00%	3,800	5,316	5,049	5,341	5,051	5,561
2+0,000	-5,002	5,570	-5,000	5,340	-3,800	5,316	-3,800	4,806	-3,00%	5,460	5,433	3,800	4,806	-3,00%	3,800	5,316	5,057	5,341	5,059	5,561
2+10,000	-5,003	5,585	-5,000	5,280	-3,800	5,256	-3,800	4,746	-3,00%	5,400	5,384	3,800	4,746	-3,00%	3,800	5,256	5,073	5,282	5,237	5,172
3+0,000	-5,004	5,646	-5,000	5,250	-3,800	5,226	-3,800	4,716	-3,00%	5,370	5,363	3,800	4,716	-3,00%	3,800	5,226	5,023	5,250	5,024	5,301
3+4,639	-5,003	5,612	-5,000	5,268	-3,800	5,244	-3,800	4,734	-3,00%	5,388	5,375	3,800	4,734	-3,00%	3,800	5,244	5,000	5,268	5,001	5,323
3+10,000	-5,004	5,717	-5,000	5,290	-3,800	5,266	-3,800	4,756	-3,00%	5,410	5,389	3,800	4,756	-3,00%	3,800	5,266	4,540	5,281	4,542	5,420
3+19,158	-4,803	5,468	-4,802	5,324	-3,800	5,304	-3,800	4,794	-3,00%	5,448	5,423	3,800	4,794	-3,00%	3,800	5,304	5,000	5,328	5,004	5,682
4+0,000	-4,795	5,491	-4,793	5,327	-3,800	5,307	-3,800	4,797	-3,00%	5,451	5,423	3,800	4,797	-3,00%	3,800	5,307	5,000	5,331	5,004	5,687
4+10,000	-4,855	5,520	-4,853	5,359	-3,800	5,338	-3,800	4,828	-3,00%	5,482	5,424	3,800	4,828	-3,00%	3,800	5,338	5,000	5,362	5,003	5,693
5+0,000	-4,952	5,550	-4,950	5,357	-3,800	5,334	-3,800	4,824	-3,00%	5,478	5,393	3,800	4,824	-3,00%	3,800	5,334	5,000	5,358	5,003	5,621
5+10,000	-5,002	5,557	-5,000	5,344	-3,800	5,320	-3,800	4,810	-3,00%	5,464	5,337	3,800	4,810	-3,00%	3,800	5,320	5,000	5,344	5,002	5,541
6+0,000	-5,002	5,505	-5,000	5,330	-3,800	5,306	-3,800	4,796	-3,00%	5,450	5,310	3,800	4,796	-3,00%	3,800	5,306	5,000	5,330	5,071	5,283
6+10,000	-5,001	5,457	-5,000	5,316	-3,800	5,292	-3,800	4,782	-3,00%	5,436	5,291	3,800	4,782	-3,00%	3,800	5,292	5,000	5,316	5,000	5,336

**NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTAÇÃO ASFALTICA
BAIRRO MOSQUEIRO**

Estaca	Lado Esquerdo									Eixo		Lado Direito								
	Offset		Bordo Externo do Passeio		Bordo Interno do Passeio		Bordo da Pista			Cota do Greide	Cota Terreno	Bordo da Pista			Bordo Interno do Passeio		Bordo Externo do Passeio		Offset	
	Distância	Cota	Distância	Cota	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota	Distância	Cota	Distância	Cota
6+13,375	-5,166	5,457	-5,165	5,314	-3,806	5,287	-3,806	4,777	-3,00%	5,431	5,290	3,800	4,777	-3,00%	3,800	5,287	5,000	5,311	5,000	5,355
7+0,000	-4,679	5,353					-4,678	4,741	-3,00%	5,422	5,313	3,800	4,768	-3,00%	3,800	5,278	5,000	5,302	5,004	5,665
7+10,000	-5,585	5,241	-5,500	5,297	-3,800	5,263	-3,800	4,753	-3,00%	5,407	5,338	3,800	4,753	-3,00%	3,800	5,263	5,000	5,287	5,004	5,702
8+0,000	-5,538	5,258	-5,500	5,283	-3,800	5,249	-3,800	4,739	-3,00%	5,393	5,322	3,800	4,739	-3,00%	3,800	5,249	5,000	5,273	5,004	5,681
8+10,000	-5,501	5,363	-5,500	5,269	-3,800	5,235	-3,800	4,725	-3,00%	5,379	5,308	3,800	4,725	-3,00%	3,800	5,235	5,000	5,259	5,003	5,550
9+0,000	-5,502	5,408	-5,500	5,255	-3,800	5,221	-3,800	4,711	-3,00%	5,365	5,308	3,800	4,711	-3,00%	3,800	5,221	5,000	5,245	5,003	5,519
9+10,000	-5,502	5,395	-5,500	5,240	-3,800	5,206	-3,800	4,696	-3,00%	5,350	5,316	3,800	4,696	-3,00%	3,800	5,206	5,000	5,230	5,003	5,527
10+0,000	-5,501	5,300	-5,500	5,227	-3,800	5,193	-3,800	4,683	-3,00%	5,337	5,308	3,800	4,683	-3,00%	3,800	5,193	5,000	5,217	5,003	5,554
10+10,000	-5,500	5,294	-5,500	5,293	-3,800	5,259	-3,800	4,749	-3,00%	5,403	5,370	3,800	4,749	-3,00%	3,800	5,259	5,000	5,283	5,003	5,534
11+0,000	-6,194	5,025	-5,500	5,487	-3,800	5,453	-3,800	4,943	-3,00%	5,597	5,234	3,800	4,943	-3,00%	3,800	5,453	5,000	5,477	5,002	5,631
11+10,000	-7,590	6,123					-7,590	5,264	-3,00%	5,918	5,446	3,800	5,264	-3,00%	3,800	5,774	5,000	5,798	5,728	5,313
11+19,656									-3,00%	6,274	6,274	3,800		-3,00%	3,800	6,130	5,000	6,154	6,987	4,830
RUA D (2)																				
0+0,000	-5,502	6,724	-5,500	6,569	-3,800	6,535	-3,800	6,025	-3,00%	6,679	6,679	3,800	6,025	-3,00%	3,800	6,535	5,500	6,569	5,502	6,783
0+10,000	-5,500	6,570	-5,500	6,536	-3,800	6,502	-3,800	5,992	-3,00%	6,646	6,606	4,922	5,959	-3,00%					4,922	6,654
1+0,000	-5,500	6,300	-5,500	6,297	-3,800	6,263	-3,800	5,753	-3,00%	6,407	6,412	3,800	5,753	-3,00%	3,800	6,263	5,500	6,297	5,501	6,371
1+10,000	-5,619	6,143	-5,500	6,222	-3,800	6,188	-3,800	5,678	-3,00%	6,332	6,256	3,800	5,678	-3,00%	3,800	6,188	5,500	6,222	5,501	6,283
2+0,000	-5,512	6,150	-5,500	6,158	-3,800	6,124	-3,800	5,614	-3,00%	6,268	6,232	3,800	5,614	-3,00%	3,800	6,124	5,500	6,158	5,502	6,316
2+10,000	-5,500	6,004	-5,500	5,984	-3,800	5,950	-3,800	5,440	-3,00%	6,094	6,106	3,800	5,440	-3,00%	3,800	5,950	5,500	5,984	5,502	6,186
3+0,000	-5,655	5,516	-5,500	5,619	-3,800	5,585	-3,800	5,075	-3,00%	5,729	5,699	3,800	5,075	-3,00%	3,800	5,585	5,500	5,619	5,502	5,780
3+7,800	-5,510	5,521	-5,500	5,264	-3,800	5,230	-3,800	4,634	-3,00%	5,286	5,354	4,374	4,617	-3,00%	3,800	5,231	5,500	5,261	4,374	5,557
TRAVESSA JOSÉ FRANCISCO MATOS																				
0+0,000	-1,724	5,985					-1,720	5,512	3,00%	5,932	5,925	0,996	5,482	3,00%					1,000	5,948
0+10,000	-1,724	5,874					-1,720	5,450	3,00%	5,878	5,869	1,111	5,432	3,00%					1,115	5,929
1+0,000	-1,724	5,833					-1,720	5,396	3,00%	5,824	5,791	1,230	5,381	3,00%					1,234	5,832
1+10,000	-1,724	5,787					-1,720	5,342	3,00%	5,770	5,752	1,375	5,332	3,00%					1,379	5,808
1+17,828	-1,724	5,809					-1,720	5,400	3,00%	5,829	5,799	1,487	5,393	3,00%					1,491	5,802
2+0,000	-1,809	5,852					-1,805	5,466	3,00%	5,892	5,881	1,507	5,457	3,00%					1,511	5,854
2+10,000	-2,509	6,337					-2,504	5,840	3,00%	6,245	6,297	2,307	5,834	3,00%					2,310	6,174
2+17,153	-3,099	6,639					-3,093	6,033	3,00%	6,420	6,422	3,120	6,034	3,00%					3,123	6,338
2+18,034	-4,630	6,559	-4,623	6,334	-3,300	6,309	-3,300	5,799	3,00%	6,437	6,421	3,300	5,796	3,00%	3,300	6,309	5,000	6,343	5,001	6,360
3+0,000	-4,641	6,703	-4,638	6,368	-3,300	6,341	-3,300	5,831	-3,00%	6,470	6,418	3,300	5,831	-3,00%	3,300	6,341	5,000	6,375	5,001	6,471
3+10,000	-5,001	6,562	-5,000	6,464	-3,300	6,430	-3,300	5,920	-3,00%	6,559	6,483	3,300	5,920	-3,00%	3,300	6,430	5,000	6,464	5,001	6,569
3+10,024	-5,001	6,561	-5,000	6,464	-3,300	6,430	-3,300	5,920	-3,00%	6,559	6,483	3,300	5,920	-3,00%	3,300	6,430	5,000	6,464	5,001	6,568
3+15,090	-4,746	6,435	-4,745	6,379	-4,745	6,379	-4,745	5,869	-3,00%	6,552	6,448	3,300	5,913	-3,00%	3,300	6,423	5,000	6,457	5,001	6,602

NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTAÇÃO ASFALTICA
BAIRRO MOSQUEIRO

Estaca	Lado Esquerdo									Eixo		Lado Direito									
	Offset		Bordo Externo do Passeio		Bordo Interno do Passeio		Bordo da Pista			Cota do Greide	Cota Terreno	Bordo da Pista			Bordo Interno do Passeio		Bordo Externo do Passeio		Offset		
	Distância	Cota	Distância	Cota	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota	Distância	Cota	Distância	Cota	
4+0,000	-5,802	6,387	-5,801	6,307	-5,801	6,307	-5,801	5,797	-3,00%	6,511	6,409	3,300	5,872	-3,00%	3,300	6,382	5,000	6,416	5,001	6,514	
4+2,112	-6,301	6,847	-6,296	6,363	-4,321	6,324	-4,321	5,814	-3,00%	6,483	6,385	3,300	5,844	-3,00%	3,300	6,354	5,000	6,388	5,001	6,489	
4+6,967	-5,004	6,658	-5,000	6,287	-3,800	6,263	-3,800	5,753	-3,00%	6,407	6,323	3,773	5,754	-3,00%	3,773	6,264	5,000	6,288	5,001	6,381	
4+10,000	-5,004	6,632	-5,000	6,239	-3,800	6,215	-3,800	5,705	-3,00%	6,359	6,279	3,800	5,705	-3,00%	3,800	6,215	5,000	6,239	5,001	6,328	
5+0,000	-5,003	6,410	-5,000	6,081	-3,798	6,057	-3,798	5,547	-3,00%	6,201	6,088	3,800	5,547	-3,00%	3,800	6,057	5,000	6,081	5,001	6,183	
5+10,000	-5,006	6,461	-5,000	5,908	-3,797	5,884	-3,797	5,374	-3,00%	6,028	5,884	3,800	5,374	-3,00%	3,800	5,884	5,000	5,908			
6+0,000	-5,006	6,299	-5,000	5,650	-3,796	5,626	-3,796	5,116	-3,00%	5,770	5,642	3,800	5,116	-3,00%	3,800	5,626	5,000	5,650	5,163	5,541	
6+10,000	-5,003	5,644	-5,000	5,378	-3,795	5,354	-3,795	4,844	-3,00%	5,497	5,395	3,800	4,843	-3,00%	3,800	5,353	5,000	5,377	5,161	5,270	
7+0,000	-5,145	5,415	-5,142	5,106	-3,995	5,083	-3,995	4,573	-3,00%	5,233	5,189	3,800	4,579	-3,00%	3,800	5,089	5,000	5,113	5,000	5,140	
7+0,610	-5,547	5,368	-5,545	5,083	-4,345	5,059	-4,345	4,549	-3,00%	5,219	5,176	3,800	4,565	-3,00%	3,800	5,075	5,000	5,099	5,000	5,134	
7+10,000	-6,170	5,315	-6,165	4,899	-4,658	4,869	-4,658	4,359	-3,00%	5,039	5,008	3,800	4,385	-3,00%	3,800	4,895	5,000	4,919	5,001	5,038	
8+0,000	-5,005	5,290	-5,000	4,799	-3,800	4,775	-3,800	4,265	-3,00%	4,919	4,871	3,800	4,265	-3,00%	3,800	4,775	5,000	4,799	5,002	5,029	
8+10,000	-6,607	5,496	-5,000	4,692	-3,800	4,668	-3,800	4,158	-3,00%	4,812	4,775	3,800	4,158	-3,00%	3,800	4,668	5,000	4,692	5,003	4,972	
9+0,000	-6,123	5,147	-5,000	4,585	-3,800	4,561	-3,800	4,051	-3,00%	4,705	4,671	3,800	4,051	-3,00%	3,800	4,561	5,000	4,585	5,002	4,743	
9+10,000	-6,917	5,437	-5,000	4,478	-3,800	4,454	-3,800	3,944	-3,00%	4,598	4,533	3,800	3,944	-3,00%	3,800	4,454	5,000	4,478	5,001	4,539	
10+0,000	-7,556	5,753	-5,000	4,475	-3,800	4,451	-3,800	3,941	-3,00%	4,595	4,468	3,800	3,941	-3,00%	3,800	4,451	5,000	4,475	5,411	4,201	
10+10,000	-5,003	5,078	-5,000	4,774	-3,800	4,750	-3,800	4,240	-3,00%	4,894	4,650	3,800	4,240	-3,00%	3,800	4,750	5,000	4,774	5,879	4,188	
11+0,000	-8,729	5,522	-8,727	5,357	-5,564	5,294	-5,564	4,784	-3,00%	5,491	5,544	4,808	4,807	-3,00%	4,808	5,317	6,552	5,352	6,556	5,665	
11+1,145	-8,798	5,563	-8,798	5,526	-3,800	5,426	-3,800	4,916	-3,00%	5,570	5,587	6,119	4,846	-3,00%	6,119	5,356	8,326	5,400	8,328	5,651	
RUA A (3)																					
1+0,000	-4,071	6,354	-4,033	6,379	-2,833	6,355	-2,833	5,845	-3,00%	6,470	6,423	2,650	5,851	-3,00%					2,654	6,279	
1+10,000	-4,000	6,281	-4,000	6,277	-2,800	6,253	-2,800	5,743	-3,00%	6,367	6,368	2,675	5,747	-3,00%					2,680	6,336	
1+12,385	-4,000	6,210	-4,000	6,185	-2,800	6,161	-2,800	5,651	-3,00%	6,275	6,257	2,680	5,654	-3,00%					2,685	6,177	
2+0,000	-4,001	5,983	-4,000	5,862	-2,800	5,838	-2,800	5,328	-3,00%	5,952	5,901	2,800	5,328	-3,00%	2,800	5,838	3,632	5,854	3,634	6,048	
2+10,000	-4,002	5,685	-4,000	5,438	-2,800	5,414	-2,800	4,904	-3,00%	5,528	5,458	2,800	4,904	-3,00%	2,800	5,414	3,896	5,436	3,899	5,671	
3+0,000	-4,004	5,387	-4,000	5,014	-2,800	4,990	-2,800	4,480	-3,00%	5,104	5,061	2,800	4,480	-3,00%	2,800	4,990	4,000	5,014	4,003	5,299	
3+10,000	-3,682	5,130	-3,678	4,665	-2,800	4,648	-2,800	4,138	-3,00%	4,762	4,787	2,800	4,138	-3,00%	2,800	4,648	4,000	4,672	4,004	5,033	
4+0,000	-4,003	4,792	-4,000	4,538	-2,800	4,514	-2,800	4,004	-3,00%	4,628	4,620	2,800	4,004	-3,00%	2,800	4,514	4,003	4,538	4,006	4,874	
4+10,000	-4,448	4,542	-4,447	4,518	-3,246	4,494	-3,246	3,984	-3,00%	4,621	4,533	3,246	3,984	-3,00%	3,246	4,494	4,393	4,517	4,395	4,641	
5+0,000	-4,984	4,703	-4,981	4,478	-3,801	4,455	-3,801	3,945	-3,00%	4,599	4,554	3,781	3,945	-3,00%	3,781	4,455	5,000	4,480	5,002	4,702	
5+10,000	-5,002	4,601	-5,000	4,381	-3,800	4,357	-3,800	3,847	-3,00%	4,501	4,563	3,800	3,847	-3,00%	3,800	4,357	5,000	4,381	5,004	4,749	
6+0,000	-5,004	4,644	-5,000	4,254	-3,800	4,230	-3,800	3,720	-3,00%	4,374	4,579	3,800	3,720	-3,00%	3,800	4,230	5,000	4,254	5,005	4,731	
6+3,647	-5,450	4,622	-5,446	4,207	-4,246	4,183	-4,246	3,673	-3,00%	4,340	4,559	4,068	3,678	-3,00%	4,068	4,188	5,565	4,218	5,570	4,762	
RUA B (3) E RUA F																					
0+0,435	-8,248	5,447	-8,247	5,311	-7,047	5,287	-7,047	4,777	-3,00%	5,528	5,585	8,645	5,419	4,98%					8,648	5,709	

**NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTAÇÃO ASFALTICA
BAIRRO MOSQUEIRO**

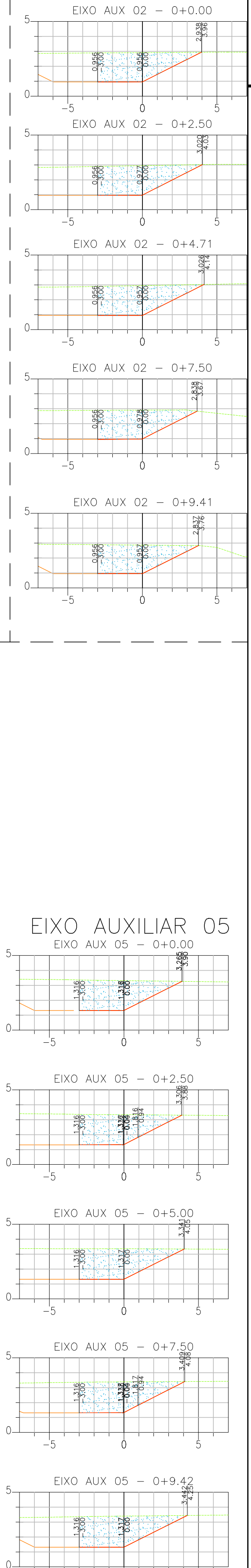
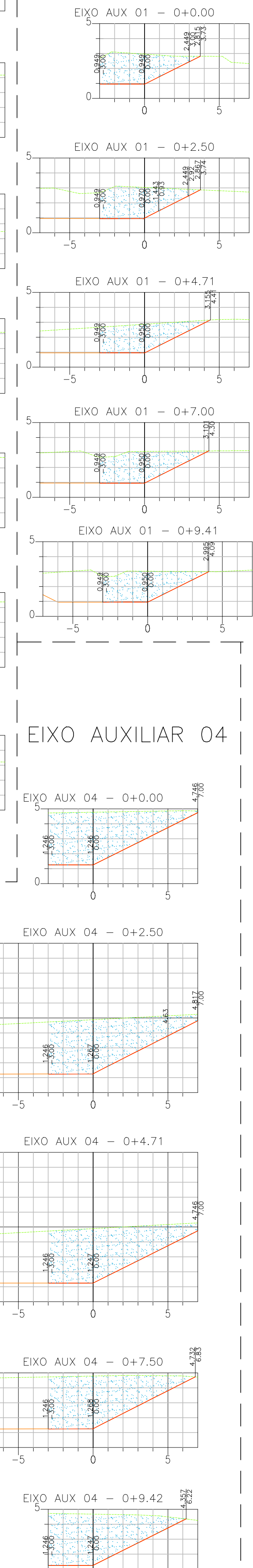
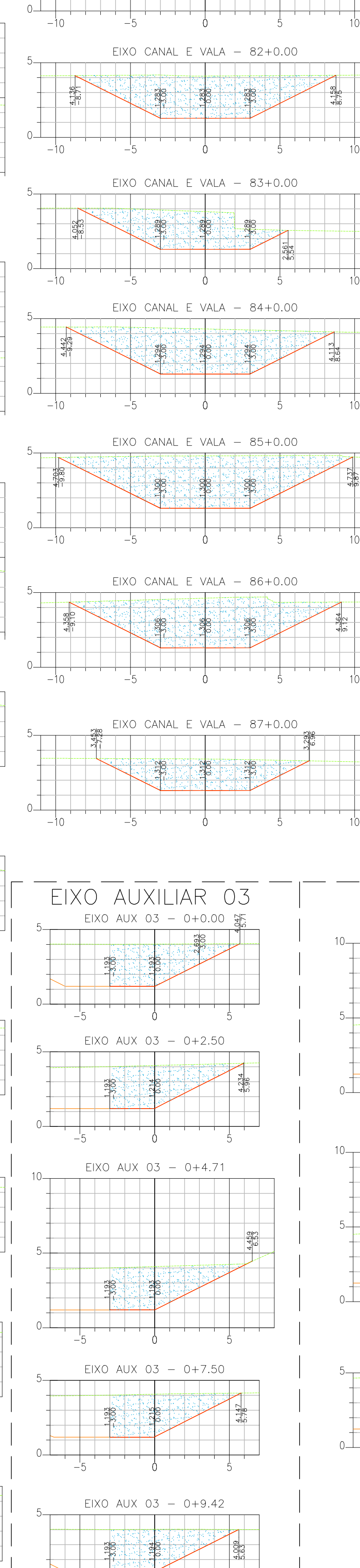
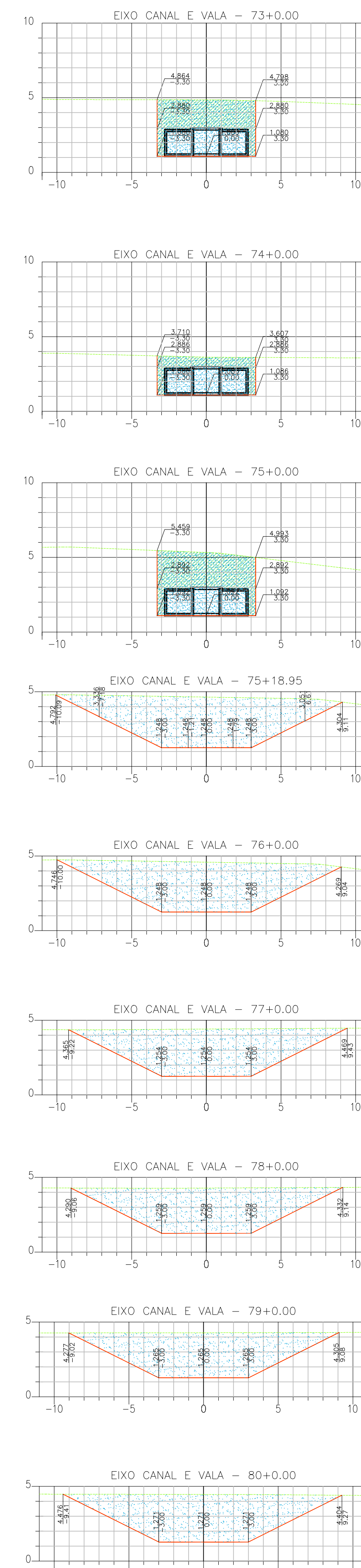
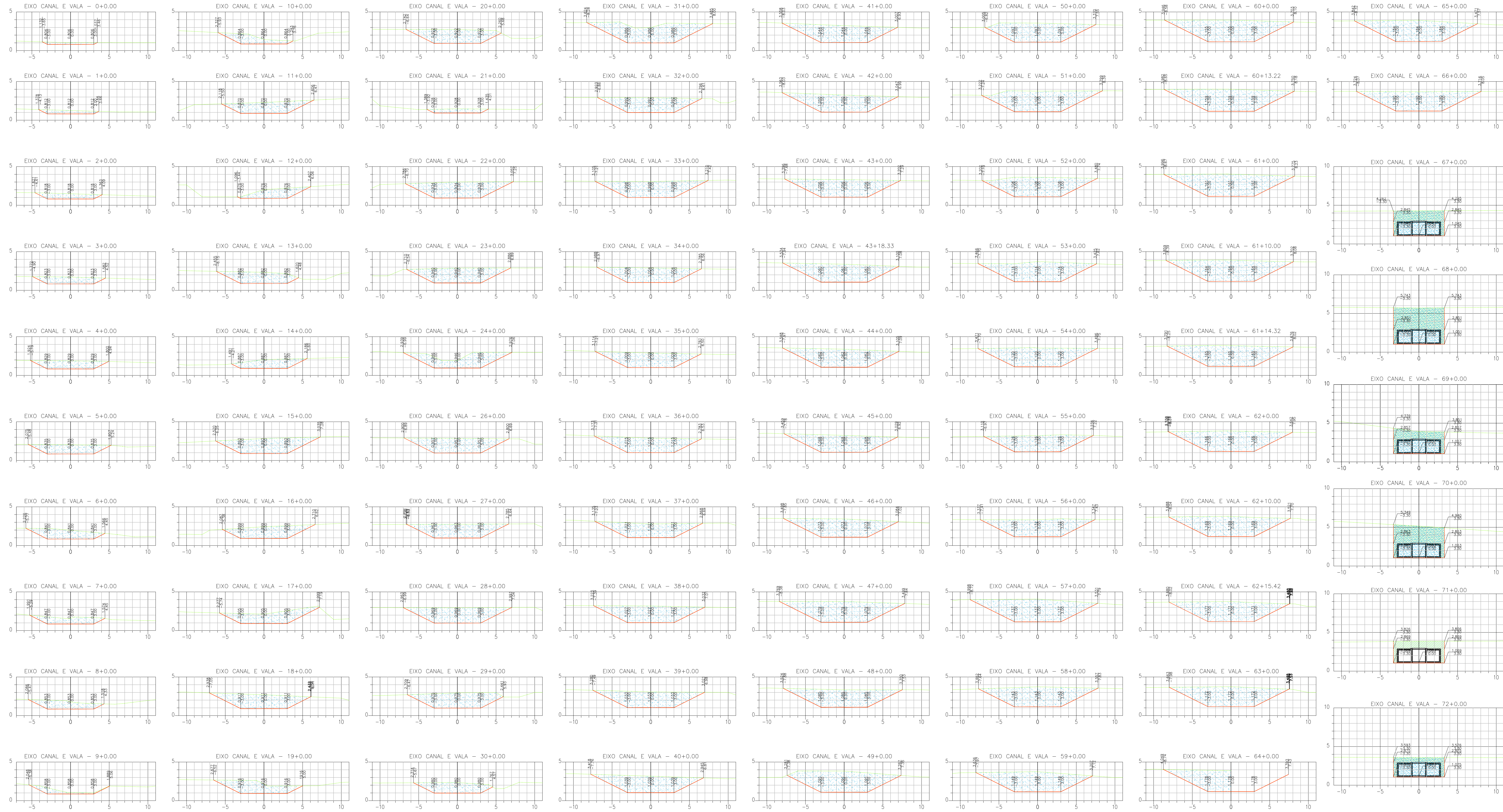
Estaca	Lado Esquerdo									Eixo		Lado Direito								
	Offset		Bordo Externo do Passeio		Bordo Interno do Passeio		Bordo da Pista			Cota do Greide	Cota Terreno	Bordo da Pista			Bordo Interno do Passeio		Bordo Externo do Passeio		Offset	
	Distância	Cota	Distância	Cota	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota	Distância	Cota	Distância	Cota
0+10,000	-5,000	5,651	-5,000	5,632	-3,800	5,608	-3,800	5,098	-3,00%	5,752	5,731	7,659	5,593	4,98%					7,664	6,090
1+0,000	-5,000	5,903	-5,000	5,866	-3,800	5,842	-3,800	5,332	-3,00%	5,986	5,997	7,546	5,821	4,98%					7,551	6,377
1+3,744	-5,000	5,997	-5,000	5,953	-3,800	5,929	-3,800	5,419	-3,00%	6,073	6,093	3,902	5,728	4,98%					3,907	6,261
1+10,000	-5,001	6,154	-5,000	6,100	-3,800	6,076	-3,800	5,566	-3,00%	6,220	6,241	3,800	5,566	-3,00%	3,800	6,076	5,000	6,100	5,002	6,289
2+0,000	-5,001	6,401	-5,000	6,317	-3,800	6,293	-3,800	5,783	-3,00%	6,437	6,383	3,800	5,783	-3,00%	3,800	6,293	5,000	6,317	5,115	6,240
2+5,932	-4,996	6,518	-4,994	6,338	-3,783	6,313	-3,783	5,803	-3,00%	6,457	6,417	3,800	5,803	-3,00%	3,800	6,313	5,000	6,337	5,309	6,131
2+10,000	-5,002	6,490	-5,000	6,289	-3,709	6,263	-3,709	5,753	-3,00%	6,404	6,333	3,800	5,750	-3,00%	3,800	6,260	5,000	6,284	5,467	5,973
3+0,000	-4,656	6,557	-4,651	6,037	-3,595	6,016	-3,595	5,506	-3,00%	6,154	5,916	3,800	5,500	-3,00%	3,800	6,010	5,000	6,034	5,669	5,588
3+10,000	-4,742	5,998	-4,739	5,643	-3,577	5,620	-3,577	5,110	-3,00%	5,757	5,406	3,800	5,103	-3,00%	3,800	5,613	5,000	5,637	5,582	5,249
4+0,000	-5,003	5,167	-5,000	4,912	-3,656	4,885	-3,656	4,375	-3,00%	5,025	4,880	3,800	4,371	-3,00%	3,800	4,881	5,000	4,905	5,000	4,931
4+7,707	-5,001	4,611	-5,000	4,513	-3,783	4,489	-3,783	3,979	-3,00%	4,632	4,622	3,800	3,978	-3,00%	3,800	4,488	5,000	4,512	5,002	4,757
4+10,000	-5,001	4,515	-5,000	4,437	-3,800	4,413	-3,800	3,903	-3,00%	4,557	4,551	3,800	3,903	-3,00%	3,800	4,413	5,000	4,437	5,003	4,715
5+0,000	-5,001	4,444	-5,000	4,308	-3,800	4,284	-3,800	3,774	-3,00%	4,428	4,442	3,800	3,774	-3,00%	3,800	4,284	5,000	4,308	5,002	4,530
5+10,000	-5,002	4,418	-5,000	4,263	-3,800	4,239	-3,800	3,729	-3,00%	4,383	4,389	3,800	3,729	-3,00%	3,800	4,239	5,000	4,263	5,002	4,460
6+0,000	-5,001	4,375	-5,000	4,252	-3,800	4,228	-3,800	3,718	-3,00%	4,372	4,378	3,800	3,718	-3,00%	3,800	4,228	5,000	4,252	5,002	4,445
6+10,000	-5,001	4,342	-5,000	4,237	-3,800	4,213	-3,800	3,703	-3,00%	4,357	4,351	3,800	3,703	-3,00%	3,800	4,213	5,000	4,237	5,002	4,402
7+0,000	-5,001	4,304	-5,000	4,156	-3,800	4,132	-3,800	3,622	-3,00%	4,276	4,233	4,102	3,613	-3,00%	4,102	4,123	5,658	4,154	5,659	4,234
7+3,940	-5,376	4,276	-5,374	4,053	-5,374	4,053	-5,374	3,543	-3,00%	4,244	4,201	3,800	3,590	-3,00%	3,800	4,100	5,000	4,124	5,001	4,174
7+7,363	-5,007	4,311	-5,005	4,096	-3,800	4,072	-3,800	3,562	-3,00%	4,216	4,176	3,800	3,562	-3,00%	3,800	4,072	5,000	4,096	5,001	4,222
7+10,000	-5,010	4,325	-5,007	4,075	-3,800	4,051	-3,800	3,541	-3,00%	4,195	4,166	5,599	3,487	-3,00%	5,599	3,997	6,799	4,021	6,801	4,256
8+0,000	-5,020	4,379	-5,016	4,061	-3,800	4,036	-3,800	3,526	-3,00%	4,180	4,182	3,800	3,526	-3,00%	3,800	4,036	5,000	4,060	5,003	4,379
8+10,000	-4,180	4,258	-4,179	4,162	-3,800	4,155	-3,800	3,645	-3,00%	4,299	4,286	3,800	3,645	-3,00%	3,800	4,155	5,000	4,179	5,003	4,432
9+0,000	-4,350	4,436	-4,349	4,287	-3,800	4,276	-3,800	3,766	-3,00%	4,420	4,422	3,800	3,766	-3,00%	3,800	4,276	5,000	4,300	5,002	4,526
9+10,000	-4,524	4,449	-4,524	4,377	-3,800	4,363	-3,800	3,853	-3,00%	4,507	4,465	4,243	3,839	-3,00%	4,243	4,349	6,263	4,390	6,266	4,635
9+10,351	-4,530	4,448	-4,530	4,377	-3,800	4,363	-3,800	3,853	-3,00%	4,507	4,464	4,387	3,835	-3,00%					4,389	4,632
10+0,000	-4,949	4,611	-4,946	4,333	-3,800	4,310	-3,800	3,800	-3,00%	4,454	4,432	4,158	3,789	-3,00%	4,158	4,299	5,833	4,333	5,837	4,741
10+10,000	-5,003	4,595	-5,000	4,267	-3,800	4,243	-3,800	3,733	-3,00%	4,387	4,369	3,800	3,733	-3,00%	3,800	4,243	5,000	4,267	5,005	4,799
11+0,000	-5,005	4,662	-5,000	4,201	-3,800	4,177	-3,800	3,667	-3,00%	4,321	4,308	3,800	3,667	-3,00%	3,800	4,177	5,000	4,201	5,006	4,776
11+10,000	-5,006	4,744	-5,000	4,134	-3,800	4,110	-3,800	3,600	-3,00%	4,254	4,264	3,800	3,600	-3,00%	3,800	4,110	5,000	4,134	5,002	4,294
12+0,000	-5,005	4,560	-5,000	4,068	-3,800	4,044	-3,800	3,534	-3,00%	4,188	4,192	3,800	3,534	-3,00%	3,800	4,044	5,000	4,068	5,003	4,349
12+10,000	-5,006	4,759	-5,000	4,109	-3,800	4,085	-3,800	3,575	-3,00%	4,229	4,165	3,800	3,575	-3,00%	3,800	4,085	5,000	4,109	5,003	4,432
13+0,000	-6,462	4,964	-5,000	4,233	-3,800	4,209	-3,800	3,699	-3,00%	4,353	4,166	4,578	3,676	-3,00%					4,578	4,111
13+3,531	-6,440	4,968	-5,000	4,248	-3,800	4,224	-3,800	3,714	-3,00%	4,368	4,154	3,903	3,711	-3,00%	3,903	4,221	5,183	4,247	5,350	4,135
13+10,000	-6,503	4,957	-5,000	4,206	-3,800	4,182	-3,800	3,672	-3,00%	4,326	4,139	3,800	3,672	-3,00%	3,800	4,182	5,000	4,206	5,151	4,105
14+0,000	-6,674	4,943	-5,000	4,106	-3,800	4,082	-3,800	3,572	-3,00%	4,226	4,042	3,800	3,572	-3,00%	3,800	4,082	5,000	4,106	5,226	3,955

**NOTA DE SERVIÇO DE TERRAPLENAGEM
PAVIMENTAÇÃO ASFALTICA
BAIRRO MOSQUEIRO**

Estaca	Lado Esquerdo									Eixo		Lado Direito								
	Offset		Bordo Externo do Passeio		Bordo Interno do Passeio		Bordo da Pista			Cota do Greide	Cota Terreno	Bordo da Pista			Bordo Interno do Passeio		Bordo Externo do Passeio		Offset	
	Distância	Cota	Distância	Cota	Distância	Cota	Distância	Cota	%			Distância	Cota	%	Distância	Cota	Distância	Cota	Distância	Cota
14+10,000	-5,005	4,517	-5,000	4,013	-3,800	3,989	-3,800	3,479	-3,00%	4,133	4,093	3,800	3,479	-3,00%	3,800	3,989	5,000	4,013	5,000	4,027
15+0,000	-5,003	4,410	-5,000	4,077	-3,800	4,053	-3,800	3,543	-3,00%	4,197	4,196	3,800	3,543	-3,00%	3,800	4,053	5,000	4,077	5,002	4,284
15+10,000	-5,002	4,606	-5,000	4,359	-3,800	4,335	-3,800	3,825	-3,00%	4,479	4,385	3,800	3,825	-3,00%	3,800	4,335	5,000	4,359	5,001	4,483
15+17,368	-6,449	4,890	-6,446	4,622	-5,546	4,604	-5,546	4,094	-3,00%	4,800	4,799	3,800	4,146	-3,00%	3,800	4,656	6,582	4,712	6,583	4,777
RUA D (3)																				
0+0,280	-5,001	5,818	-5,000	5,723	-3,800	5,699	-3,800	5,189	-3,00%	5,843	5,841	5,026	5,189	-3,00%					5,033	5,844
0+10,000	-4,001	6,083	-4,000	5,954	-2,800	5,930	-2,800	5,420	-3,00%	6,044	6,035	2,620	5,420	-3,00%					4,103	6,217
1+0,000	-4,001	6,010	-4,000	5,868	-2,800	5,844	-2,800	5,334	-3,00%	5,958	5,918	2,620	5,334	-3,00%					2,626	5,994
1+10,000	-4,001	5,888	-4,000	5,767	-2,800	5,743	-2,800	5,233	-3,00%	5,857	5,755	2,620	5,233	-3,00%					2,625	5,777
2+0,000	-3,866	5,778	-3,865	5,664	-2,782	5,642	-2,782	5,132	-3,00%	5,756	5,618	2,837	5,132	-3,00%					2,842	5,766
2+0,505	-3,842	5,775	-3,841	5,659	-2,774	5,638	-2,774	5,128	-3,00%	5,751	5,613	2,902	5,128	-3,00%					2,908	5,760
2+2,029	-3,903	5,767	-3,902	5,640	-2,874	5,619	-2,874	5,109	-3,00%	5,735	5,599	2,988	5,109	-3,00%					2,993	5,716
2+10,000	-4,741	5,755	-4,739	5,497	-3,625	5,475	-3,625	4,965	-3,00%	5,613	5,502	4,247	4,965	-3,00%					4,253	5,547
3+0,000	-5,169	5,416	-5,166	5,173	-3,966	5,149	-3,966	4,639	-3,00%	5,298	5,094	5,643	4,639	-3,00%					5,649	5,282
3+10,000	-4,914	4,774	-4,913	4,726	-3,713	4,702	-3,713	4,192	-3,00%	4,844	4,708	4,505	4,192	-3,00%					4,510	4,726
3+16,942	-4,764	4,388	-4,720	4,417	-3,520	4,393	-3,520	3,883	-3,00%	4,529	4,394	3,715	3,883	-3,00%					3,718	4,322
4+0,000	-4,741	4,353	-4,741	4,307	-3,541	4,283	-3,541	3,773	-3,00%	4,419	4,268	3,443	3,773	-3,00%					3,446	4,187
4+2,608	-4,752	4,396	-4,750	4,232	-3,550	4,208	-3,550	3,698	-3,00%	4,345	4,216	3,370	3,698	-3,00%					3,374	4,155
4+10,000	-4,754	4,528	-4,750	4,123	-3,550	4,099	-3,550	3,589	-3,00%	4,236	4,075	3,370	3,589	-3,00%					3,375	4,127
5+0,000	-4,755	4,599	-4,750	4,066	-3,550	4,042	-3,550	3,532	-3,00%	4,179	4,044	3,370	3,532	-3,00%					3,376	4,145
5+10,000	-4,756	4,590	-4,750	4,009	-3,550	3,985	-3,550	3,475	-3,00%	4,121	4,048	3,370	3,475	-3,00%					3,376	4,174
5+18,995	-5,875	4,427	-5,871	3,977	-3,602	3,932	-3,602	3,422	-3,00%	4,070	4,095	3,569	3,422	-3,00%					3,576	4,121

SEÇÕES TRANSVERSAIS DE TERRAPLENAGEM

EIXO CANAL E VALA PROJETADA



CAPÍTULO 6.0

CÁLCULO DE VOLUME


José Marcos de Macário Santos
Eng. Civil CREA 271702160

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
RUA JOSÉ ALMERINDO DOS SANTOS							
0+0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
0+10,00	1,66	8,29	0,00	0,00	8,29	0,00	8,29
1+0,00	1,83	17,44	0,00	0,00	25,73	0,00	25,73
2+0,00	2,01	38,38	0,00	0,00	64,10	0,00	64,10
3+0,00	2,03	40,37	0,00	0,00	104,47	0,00	104,47
4+0,00	2,29	43,15	0,00	0,00	147,62	0,00	147,62
5+0,00	2,34	46,30	0,00	0,00	193,92	0,00	193,92
6+0,00	2,08	44,26	0,00	0,00	238,18	0,00	238,18
7+0,00	2,03	41,15	0,00	0,00	279,32	0,00	279,32
8+0,00	2,06	40,86	0,00	0,00	320,18	0,00	320,18
8+14,44	2,01	29,38	0,00	0,00	349,57	0,00	349,57
9+0,00	2,50	12,69	0,00	0,00	362,25	0,00	362,25
9+6,40	2,00	14,35	0,00	0,00	376,61	0,00	376,60
9+8,72	2,03	4,69	0,00	0,00	381,29	0,00	381,29
10+0,00	2,01	22,80	0,00	0,00	404,10	0,00	404,09
10+5,66	2,02	11,41	0,00	0,00	415,50	0,00	415,50
10+10,00	2,04	8,82	0,00	0,00	424,32	0,00	424,32
10+13,64	2,10	7,53	0,00	0,00	431,86	0,00	431,85
11+0,00	2,23	13,78	0,00	0,00	445,63	0,00	445,63
11+10,00	2,32	22,73	0,00	0,00	468,36	0,00	468,36
11+13,94	2,28	9,05	0,00	0,00	477,42	0,00	477,41
11+17,98	2,23	9,12	0,00	0,00	486,54	0,00	486,53
11+20,00	2,22	4,49	0,00	0,00	491,02	0,00	491,02
12+7,22	2,14	15,72	0,00	0,00	506,74	0,00	506,74
13+0,00	2,13	5,93	0,00	0,00	512,67	0,00	512,67
12+13,32	2,13	7,07	0,00	0,00	519,74	0,00	519,73
13+0,00	2,06	14,00	0,00	0,00	533,74	0,00	533,73
13+3,95	2,01	8,02	0,00	0,00	541,76	0,00	541,76
13+10,00	1,91	11,86	0,00	0,00	553,62	0,00	553,61
13+15,09	1,89	9,66	0,00	0,00	563,27	0,00	563,27
14+0,00	1,93	9,38	0,00	0,00	572,66	0,00	572,65
14+15,04	2,07	30,05	0,00	0,00	602,70	0,00	602,70
14+17,41	2,13	4,98	0,00	0,00	607,68	0,00	607,68
14+19,78	2,25	5,19	0,00	0,00	612,87	0,00	612,87
15+10,00	2,38	23,63	0,00	0,00	636,50	0,00	636,50
15+15,40	2,14	12,18	0,00	0,00	648,69	0,00	648,68
16+0,00	2,12	9,80	0,00	0,00	658,49	0,00	658,48
16+4,79	2,12	10,17	0,00	0,00	668,65	0,00	668,65
16+10,00	2,06	10,89	0,00	0,00	679,54	0,00	679,54
16+14,19	2,01	8,54	0,00	0,00	688,08	0,00	688,07
17+0,00	2,09	11,91	0,00	0,00	699,99	0,00	699,98
18+0,00	2,58	46,76	0,00	0,00	746,75	0,00	746,74
18+14,29	2,34	35,19	0,00	0,00	781,94	0,00	781,93
19+0,00	2,40	13,54	0,00	0,00	795,48	0,00	795,48
20+0,00	2,35	47,48	0,00	0,00	842,97	0,00	842,96
21+0,00	2,29	46,35	0,00	0,00	889,31	0,00	889,31
21+13,56	2,40	31,79	0,00	0,00	921,10	0,00	921,10
22+0,00	2,42	15,55	0,00	0,00	936,65	0,00	936,65
22+10,00	2,42	24,22	0,00	0,00	960,87	0,00	960,87
23+0,00	2,39	24,05	0,00	0,00	984,93	0,00	984,92
24+0,00	2,22	46,13	0,00	0,00	1.031,06	0,00	1.031,05
25+0,00	2,34	45,59	0,00	0,00	1.076,65	0,00	1.076,65

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
26+0,00	2,44	47,74	0,00	0,00	1.124,39	0,00	1.124,38
27+0,00	2,76	51,95	0,00	0,00	1.176,34	0,00	1.176,33
27+10,00	2,77	27,63	0,00	0,00	1.203,96	0,00	1.203,96
27+17,57	2,65	20,54	0,00	0,00	1.224,51	0,00	1.224,50
28+0,00	2,62	6,40	0,00	0,00	1.230,91	0,00	1.230,91
29+0,00	1,72	43,41	0,00	0,00	1.274,32	0,00	1.274,32
30+0,00	1,90	36,24	0,00	0,00	1.310,57	0,00	1.310,56
31+0,00	1,99	38,93	0,00	0,00	1.349,49	0,00	1.349,49
32+0,00	1,81	37,96	0,00	0,00	1.387,45	0,00	1.387,45
33+0,00	1,83	36,42	0,00	0,00	1.423,87	0,00	1.423,87
33+1,07	1,92	2,00	0,00	0,00	1.425,87	0,00	1.425,87
RUA 21							
0+0,00	2,01	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	2,03	40,39	0,00	0,00	40,39	0,00	40,39
2+0,00	2,03	40,63	0,00	0,00	81,02	0,00	81,02
3+0,00	2,24	42,70	0,00	0,00	123,72	0,00	123,72
4+0,00	1,99	42,27	0,00	0,00	166,00	0,00	166,00
5+0,00	2,18	41,70	0,00	0,00	207,70	0,00	207,70
5+13,16	2,24	29,10	0,00	0,00	236,80	0,00	236,80
6+0,00	2,25	15,35	0,00	0,00	252,15	0,00	252,15
7+0,00	2,30	45,44	0,00	0,00	297,59	0,00	297,59
8+0,00	2,20	44,99	0,00	0,00	342,57	0,00	342,57
8+13,47	2,14	29,22	0,00	0,00	371,79	0,00	371,79
8+15,80	2,16	5,01	0,00	0,00	376,80	0,00	376,80
8+18,13	2,13	5,00	0,00	0,00	381,80	0,00	381,80
9+10,00	2,01	24,60	0,00	0,00	406,40	0,00	406,40
10+0,00	2,19	21,01	0,00	0,00	427,40	0,00	427,40
11+0,00	2,19	43,81	0,00	0,00	471,22	0,00	471,22
12+0,00	1,96	41,55	0,00	0,00	512,77	0,00	512,77
13+0,00	2,24	42,02	0,00	0,00	554,79	0,00	554,79
13+10,00	2,26	22,47	0,00	0,00	577,26	0,00	577,26
14+0,00	1,88	20,65	0,00	0,00	597,91	0,00	597,91
15+0,00	3,24	51,16	0,00	0,00	649,07	0,00	649,07
15+12,41	1,53	29,60	0,00	0,00	678,67	0,00	678,67
RUA 30							
0+4,54	1,67	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,42	23,84	0,00	0,00	23,84	0,00	23,84
1+5,78	1,62	8,79	0,00	0,00	32,63	0,00	32,63
2+0,00	1,64	6,88	0,00	0,00	39,51	0,00	39,51
1+12,60	1,70	4,36	0,00	0,00	43,87	0,00	43,87
2+0,00	1,54	12,00	0,00	0,00	55,87	0,00	55,87
2+0,38	1,51	0,57	0,00	0,00	56,44	0,00	56,44
RUA PRIMAVERA MANOEL RODRIGUES							
0+0,00	1,36	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	2,45	38,09	0,00	0,00	38,09	0,00	38,09
1+8,92	3,59	26,92	0,00	0,00	65,01	0,00	65,01
1+11,07	3,26	7,14	0,00	0,00	72,16	0,00	72,16
1+13,22	3,55	5,45	0,00	0,00	77,60	0,00	77,60
2+0,00	2,17	19,37	0,00	0,00	96,98	0,00	96,98
3+0,00	1,75	39,12	0,00	0,00	136,09	0,00	136,09
3+13,97	1,48	22,53	0,00	0,00	158,62	0,00	158,62
3+19,69	1,51	8,56	0,00	0,00	167,18	0,00	167,18

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
4+10,00	1,38	14,90	0,00	0,00	182,08	0,00	182,08
5+10,00	1,51	28,91	0,00	0,00	210,99	0,00	210,99
5+14,77	1,61	7,44	0,00	0,00	218,43	0,00	218,43
5+20,00	1,69	8,64	0,00	0,00	227,07	0,00	227,07
7+0,00	1,54	32,30	0,00	0,00	259,37	0,00	259,37
8+0,00	1,72	32,56	0,00	0,00	291,93	0,00	291,93
9+0,00	1,39	31,03	0,00	0,00	322,96	0,00	322,96
9+7,71	1,58	11,45	0,00	0,00	334,41	0,00	334,41
RUA 24							
0+3,81	1,11	0,00	0,00	0,00	0,00	0,00	0,00
0+5,68	1,24	2,19	0,00	0,00	2,19	0,00	2,19
1+0,00	1,22	17,63	0,00	0,00	19,82	0,00	19,82
2+0,00	1,40	26,19	0,00	0,00	46,01	0,00	46,01
2+5,68	1,14	7,20	0,00	0,00	53,22	0,00	53,22
2+10,00	1,05	4,73	0,00	0,00	57,95	0,00	57,95
2+13,23	1,22	3,66	0,00	0,00	61,61	0,00	61,61
RUA 10							
0+0,00	1,66	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,54	32,04	0,00	0,00	32,04	0,00	32,04
2+0,00	1,40	29,42	0,00	0,00	61,47	0,00	61,47
2+6,00	2,78	12,08	0,00	0,00	73,54	0,00	73,54
3+0,00	2,05	33,78	0,00	0,00	107,33	0,00	107,33
3+2,94	2,06	6,02	0,00	0,00	113,35	0,00	113,35
3+6,33	2,54	7,71	0,00	0,00	121,06	0,00	121,06
3+10,20	1,66	7,75	0,00	0,00	128,81	0,00	128,81
3+13,75	1,59	5,76	0,00	0,00	134,58	0,00	134,58
4+0,00	1,39	9,31	0,00	0,00	143,88	0,00	143,88
4+13,08	1,60	19,57	0,00	0,00	163,46	0,00	163,46
RUA C - PARTE 1							
0+0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
0+10,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
0+14,15	0,00	0,00	0,00	0,00	0,00	0,00	0,00
0+16,03	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,94	3,85	0,00	0,00	3,85	0,00	3,85
1+10,00	1,82	18,80	0,00	0,00	22,65	0,00	22,65
1+19,43	1,67	16,46	0,00	0,00	39,11	0,00	39,11
RUA C E RUA PAULO EMÍDIO							
0+0,00	2,07	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	2,04	41,18	0,00	0,00	41,18	0,00	41,18
2+0,00	1,93	39,78	0,00	0,00	80,97	0,00	80,97
2+15,55	1,88	29,63	0,00	0,00	110,60	0,00	110,60
3+0,00	1,83	8,24	0,00	0,00	118,84	0,00	118,84
4+0,00	2,06	38,87	0,00	0,00	157,71	0,00	157,71
5+0,00	2,39	44,50	0,00	0,00	202,21	0,00	202,21
6+0,00	1,75	41,43	0,00	0,00	243,64	0,00	243,64
7+0,00	1,71	34,61	0,00	0,00	278,25	0,00	278,25
8+0,00	1,82	35,28	0,00	0,00	313,53	0,00	313,53
8+13,29	1,93	24,90	0,00	0,00	338,43	0,00	338,43
9+0,00	1,93	12,97	0,00	0,00	351,40	0,00	351,40
9+10,00	2,00	19,68	0,00	0,00	371,08	0,00	371,08
10+0,00	1,80	18,99	0,00	0,00	390,07	0,00	390,07
11+0,00	2,12	39,19	0,00	0,00	429,25	0,00	429,25

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
11+10,00	2,30	22,12	0,00	0,00	451,38	0,00	451,38
12+0,00	1,96	21,29	0,00	0,00	472,67	0,00	472,67
12+8,55	1,91	16,52	0,00	0,00	489,19	0,00	489,19
13+0,00	1,89	21,76	0,00	0,00	510,95	0,00	510,95
14+0,00	1,86	37,44	0,00	0,00	548,39	0,00	548,39
14+10,00	1,67	17,64	0,00	0,00	566,04	0,00	566,03
15+0,00	1,71	16,89	0,00	0,00	582,93	0,00	582,92
15+10,00	1,48	15,92	0,00	0,00	598,85	0,00	598,85
15+10,10	1,47	0,14	0,00	0,00	598,99	0,00	598,99
16+0,00	1,42	14,32	0,00	0,00	613,31	0,00	613,31
17+0,00	2,10	35,14	0,00	0,00	648,45	0,00	648,45
17+10,76	1,82	21,07	0,00	0,00	669,51	0,00	669,51
18+0,00	1,80	16,77	0,00	0,00	686,29	0,00	686,29
18+10,00	1,95	18,76	0,00	0,00	705,05	0,00	705,05
19+0,00	2,02	19,82	0,00	0,00	724,88	0,00	724,87
19+11,00	2,98	27,48	0,00	0,00	752,36	0,00	752,35
20+0,00	1,99	22,38	0,00	0,00	774,73	0,00	774,73
21+0,00	1,87	38,62	0,00	0,00	813,35	0,00	813,34
21+12,59	2,05	24,69	0,00	0,00	838,04	0,00	838,04
21+19,10	1,82	12,52	0,00	0,00	850,57	0,00	850,56
22+10,00	2,06	21,14	0,00	0,00	871,71	0,00	871,70
22+13,17	2,06	6,54	0,00	0,00	878,24	0,00	878,24
23+0,00	2,01	13,87	0,00	0,00	892,12	0,00	892,11
24+0,00	1,89	38,99	0,00	0,00	931,10	0,00	931,10
24+11,81	2,02	23,09	0,00	0,00	954,20	0,00	954,19
25+0,00	2,20	17,26	0,00	0,00	971,45	0,00	971,45
25+4,42	2,39	10,15	0,00	0,00	981,60	0,00	981,59
25+10,00	2,06	12,45	0,00	0,00	994,04	0,00	994,04
26+0,00	1,90	19,81	0,00	0,00	1.013,86	0,00	1.013,85
26+5,51	2,00	10,74	0,00	0,00	1.024,59	0,00	1.024,59
26+10,00	1,99	8,94	0,00	0,00	1.033,53	0,00	1.033,53
26+15,51	1,96	10,87	0,00	0,00	1.044,40	0,00	1.044,40
27+0,00	2,04	8,99	0,00	0,00	1.053,39	0,00	1.053,39
28+0,00	2,10	41,45	0,00	0,00	1.094,85	0,00	1.094,84
29+0,00	2,15	42,56	0,00	0,00	1.137,41	0,00	1.137,41
29+10,00	2,05	21,03	0,00	0,00	1.158,45	0,00	1.158,44
29+18,05	1,91	15,94	0,00	0,00	1.174,39	0,00	1.174,39
30+0,00	1,84	3,65	0,00	0,00	1.178,05	0,00	1.178,04
31+0,00	1,71	35,48	0,00	0,00	1.213,53	0,00	1.213,52
32+0,00	1,77	34,78	0,00	0,00	1.248,30	0,00	1.248,30
33+0,00	1,74	35,10	0,00	0,00	1.283,40	0,00	1.283,39
33+10,00	1,65	16,95	0,00	0,00	1.300,34	0,00	1.300,34
34+0,00	1,96	18,03	0,00	0,00	1.318,37	0,00	1.318,37
34+8,49	1,93	16,51	0,00	0,00	1.334,88	0,00	1.334,88
35+0,00	1,91	22,14	0,00	0,00	1.357,03	0,00	1.357,02
36+0,00	1,90	38,16	0,00	0,00	1.395,19	0,00	1.395,18
37+0,00	1,72	36,20	0,00	0,00	1.431,39	0,00	1.431,38
37+9,79	1,68	16,63	0,00	0,00	1.448,01	0,00	1.448,01
38+0,00	1,83	17,89	0,00	0,00	1.465,91	0,00	1.465,90
39+0,00	2,06	38,92	0,00	0,00	1.504,82	0,00	1.504,82
40+0,00	2,04	41,09	0,00	0,00	1.545,91	0,00	1.545,91
40+4,31	2,02	8,74	0,00	0,00	1.554,65	0,00	1.554,65

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
40+15,09	2,55	24,64	0,00	0,00	1.579,29	0,00	1.579,29
RUA SIEGFRED VIEIRA LOESER							
0+3,08	3,61	0,00	0,00	0,00	0,00	0,00	0,00
0+10,00	2,48	21,10	0,00	0,00	21,10	0,00	21,10
0+17,42	2,31	17,78	0,00	0,00	38,88	0,00	38,88
1+0,00	2,24	5,87	0,00	0,00	44,75	0,00	44,75
2+0,00	2,05	42,91	0,00	0,00	87,66	0,00	87,66
2+8,28	2,19	17,56	0,00	0,00	105,22	0,00	105,22
3+0,00	2,08	25,02	0,00	0,00	130,24	0,00	130,24
3+14,59	2,08	30,32	0,00	0,00	160,56	0,00	160,56
4+0,00	2,06	11,16	0,00	0,00	171,72	0,00	171,72
4+7,14	1,98	14,42	0,00	0,00	186,14	0,00	186,14
5+0,00	1,92	25,11	0,00	0,00	211,25	0,00	211,25
5+10,20	1,94	19,71	0,00	0,00	230,96	0,00	230,96
6+0,00	2,17	20,17	0,00	0,00	251,13	0,00	251,13
7+0,00	2,21	43,88	0,00	0,00	295,01	0,00	295,01
8+0,00	1,93	41,49	0,00	0,00	336,50	0,00	336,50
9+0,00	1,93	38,61	0,00	0,00	375,11	0,00	375,11
9+18,41	2,04	36,53	0,00	0,00	411,65	0,00	411,65
TRAVESSA A							
0+7,66	1,66	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,85	21,65	0,00	0,00	21,65	0,00	21,65
1+10,00	1,86	18,54	0,00	0,00	40,19	0,00	40,19
1+14,73	1,88	8,85	0,00	0,00	49,04	0,00	49,04
2+0,00	1,94	10,07	0,00	0,00	59,11	0,00	59,11
3+0,00	1,90	38,41	0,00	0,00	97,52	0,00	97,52
3+9,95	2,00	19,42	0,00	0,00	116,94	0,00	116,93
4+0,00	2,06	20,39	0,00	0,00	137,33	0,00	137,33
5+0,00	1,99	40,47	0,00	0,00	177,80	0,00	177,80
5+4,21	2,01	8,42	0,00	0,00	186,22	0,00	186,22
5+7,51	2,55	7,89	0,00	0,00	194,11	0,00	194,11
5+10,29	2,05	6,87	0,00	0,00	200,98	0,00	200,98
6+0,00	2,02	19,73	0,00	0,00	220,71	0,00	220,71
6+2,12	1,86	4,11	0,00	0,00	224,82	0,00	224,81
RUA ERUNDINO SIMÃO DOS REIS							
0+2,86	2,59	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,68	36,58	0,00	0,00	36,58	0,00	36,58
2+0,00	2,00	36,84	0,00	0,00	73,42	0,00	73,42
3+0,00	1,97	39,65	0,00	0,00	113,08	0,00	113,08
3+3,32	2,01	6,60	0,00	0,00	119,67	0,00	119,67
RUA CARLOS ALBERTO ZUZART							
0+3,64	1,59	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,93	28,80	0,00	0,00	28,80	0,00	28,80
2+0,00	1,93	38,58	0,00	0,00	67,38	0,00	67,38
2+20,00	1,49	34,18	0,00	0,00	101,57	0,00	101,56
3+9,66	1,54	14,67	0,00	0,00	116,24	0,00	116,24
4+0,00	1,51	15,76	0,00	0,00	132,00	0,00	132,00
5+0,00	1,25	27,55	0,00	0,00	159,55	0,00	159,54
6+0,00	1,52	27,67	0,00	0,00	187,21	0,00	187,21
6+10,00	1,44	14,81	0,00	0,00	202,02	0,00	202,02
6+14,17	1,42	5,97	0,00	0,00	207,99	0,00	207,99
7+0,00	1,34	8,05	0,00	0,00	216,04	0,00	216,04

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
8+0,00	1,47	28,11	0,00	0,00	244,15	0,00	244,15
9+0,00	1,51	29,82	0,00	0,00	273,98	0,00	273,98
10+0,00	1,63	31,40	0,00	0,00	305,38	0,00	305,38
10+11,27	3,16	26,98	0,00	0,00	332,36	0,00	332,36
10+14,31	2,29	2,64	0,00	0,00	335,00	0,00	335,00
10+17,35	3,16	1,49	0,00	0,00	336,49	0,00	336,49
11+10,00	1,05	26,61	0,00	0,00	363,11	0,00	363,10
12+0,00	0,95	10,01	0,00	0,00	373,11	0,00	373,11
12+9,16	1,51	11,25	0,00	0,00	384,36	0,00	384,36
12+12,78	2,68	7,92	0,00	0,00	392,28	0,00	392,28
12+16,39	1,41	7,94	0,00	0,00	400,22	0,00	400,22
13+0,00	1,46	5,16	0,00	0,00	405,38	0,00	405,38
14+0,00	1,45	29,09	0,00	0,00	434,47	0,00	434,47
15+0,00	1,41	28,62	0,00	0,00	463,09	0,00	463,09
15+5,74	1,47	8,27	0,00	0,00	471,36	0,00	471,36
16+0,00	1,62	22,01	0,00	0,00	493,38	0,00	493,38
17+0,00	1,75	33,64	0,00	0,00	527,02	0,00	527,02
18+0,00	1,38	31,25	0,00	0,00	558,26	0,00	558,26
18+6,43	1,28	8,54	0,00	0,00	566,81	0,00	566,80
18+8,00	1,60	2,35	0,00	0,00	569,15	0,00	569,15
18+9,56	1,29	2,35	0,00	0,00	571,50	0,00	571,50
19+0,00	0,93	11,62	0,00	0,00	583,12	0,00	583,12
20+0,00	1,47	24,05	0,00	0,00	607,17	0,00	607,17
20+4,78	1,54	7,20	0,00	0,00	614,37	0,00	614,37
21+0,00	1,49	23,11	0,00	0,00	637,48	0,00	637,48
21+10,14	1,28	14,07	0,00	0,00	651,55	0,00	651,55
22+0,00	1,22	12,34	0,00	0,00	663,90	0,00	663,90
22+13,38	1,20	16,24	0,00	0,00	680,13	0,00	680,13
23+0,00	1,34	8,42	0,00	0,00	688,56	0,00	688,55
24+0,00	1,43	27,71	0,00	0,00	716,26	0,00	716,26
24+7,90	1,20	10,38	0,00	0,00	726,64	0,00	726,64
25+0,00	1,52	16,41	0,00	0,00	743,06	0,00	743,05
26+0,00	1,60	15,57	0,00	0,00	758,63	0,00	758,62
26+0,00	1,20	13,97	0,00	0,00	772,59	0,00	772,59
27+0,00	1,39	25,82	0,00	0,00	798,42	0,00	798,42
27+7,18	1,60	10,73	0,00	0,00	809,15	0,00	809,14
27+13,00	1,30	8,44	0,00	0,00	817,59	0,00	817,58
27+16,51	2,20	6,15	0,00	0,00	823,73	0,00	823,73
TRAVESSA CARLOS ALBERTO ZUZART 1							
0+2,84	3,28	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,20	38,48	0,00	0,00	38,48	0,00	38,48
2+0,00	1,70	29,02	0,00	0,00	67,50	0,00	67,50
3+0,00	1,44	31,39	0,00	0,00	98,89	0,00	98,89
4+0,00	1,35	27,92	0,00	0,00	126,81	0,00	126,81
4+13,42	1,28	17,66	0,00	0,00	144,48	0,00	144,48
RUA 29							
0+0,00	1,38	0,00	0,00	0,00	0,00	0,00	0,00
0+6,03	1,32	8,15	0,00	0,00	8,15	0,00	8,15
1+0,00	1,26	18,04	0,00	0,00	26,19	0,00	26,19
1+12,13	0,97	13,53	0,00	0,00	39,71	0,00	39,71
1+14,38	1,07	2,30	0,00	0,00	42,01	0,00	42,01
1+16,63	1,26	2,62	0,00	0,00	44,63	0,00	44,63

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
2+0,26	1,32	4,67	0,00	0,00	49,30	0,00	49,30
2+1,35	1,35	1,49	0,00	0,00	50,79	0,00	50,79
2+2,45	1,35	1,50	0,00	0,00	52,29	0,00	52,29
2+17,73	1,29	20,14	0,00	0,00	72,43	0,00	72,43
RUA RECANTO MARGARIDA							
0+1,95	2,30	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,50	34,27	0,00	0,00	34,27	0,00	34,27
1+5,42	1,48	8,06	0,00	0,00	42,33	0,00	42,33
2+0,00	1,50	21,67	0,00	0,00	64,00	0,00	64,00
2+10,66	1,50	15,98	0,00	0,00	79,98	0,00	79,98
3+0,00	1,65	14,70	0,00	0,00	94,68	0,00	94,68
3+5,80	1,67	9,61	0,00	0,00	104,29	0,00	104,29
4+0,00	1,50	22,47	0,00	0,00	126,76	0,00	126,76
5+0,00	1,68	31,76	0,00	0,00	158,53	0,00	158,53
6+0,00	1,63	33,06	0,00	0,00	191,59	0,00	191,59
6+6,65	1,60	10,73	0,00	0,00	202,32	0,00	202,32
6+10,00	1,60	5,35	0,00	0,00	207,67	0,00	207,67
6+13,66	1,55	5,76	0,00	0,00	213,43	0,00	213,43
7+0,00	1,53	9,77	0,00	0,00	223,20	0,00	223,20
8+0,00	1,71	32,44	0,00	0,00	255,65	0,00	255,65
9+0,00	1,17	28,82	0,00	0,00	284,46	0,00	284,46
10+0,00	0,16	13,24	0,00	0,00	297,70	0,00	297,70
10+5,19	0,14	0,77	0,06	0,19	298,47	0,19	298,28
10+10,00	0,21	0,84	0,07	0,38	299,31	0,57	298,74
11+0,00	0,30	2,53	0,01	0,46	301,84	1,03	300,81
12+0,00	1,37	16,68	0,00	0,06	318,52	1,09	317,43
13+0,00	1,35	27,26	0,00	0,00	345,78	1,09	344,68
13+2,45	1,45	3,43	0,00	0,00	349,21	1,09	348,12
13+10,00	1,74	12,05	0,00	0,00	361,26	1,09	360,17
14+0,00	1,90	18,18	0,00	0,00	379,44	1,09	378,35
15+0,00	1,97	38,65	0,00	0,00	418,09	1,09	417,00
16+0,00	1,73	36,99	0,00	0,00	455,07	1,09	453,98
16+4,14	1,61	6,92	0,00	0,00	461,99	1,09	460,90
17+0,00	1,40	23,87	0,00	0,00	485,86	1,09	484,77
18+0,00	1,38	27,73	0,00	0,00	513,59	1,09	512,50
19+0,00	1,75	31,32	0,00	0,00	544,91	1,09	543,82
20+0,00	1,73	34,83	0,00	0,00	579,74	1,09	578,65
20+7,57	1,78	13,32	0,00	0,00	593,06	1,09	591,97
21+0,00	1,73	21,83	0,00	0,00	614,89	1,09	613,80
22+0,00	1,93	36,57	0,00	0,00	651,46	1,09	650,37
22+10,00	1,99	19,61	0,00	0,00	671,07	1,09	669,98
22+15,67	1,95	11,16	0,00	0,00	682,23	1,09	681,14
23+0,00	1,96	8,47	0,00	0,00	690,70	1,09	689,61
23+2,45	2,04	4,90	0,00	0,00	695,61	1,09	694,51
24+0,00	1,91	34,64	0,00	0,00	730,25	1,09	729,15
25+0,00	2,32	42,34	0,00	0,00	772,59	1,09	771,49
26+0,00	2,74	50,65	0,00	0,00	823,23	1,09	822,14
27+0,00	2,45	51,93	0,00	0,00	875,16	1,09	874,07
28+0,00	2,49	49,43	0,00	0,00	924,59	1,09	923,50
28+7,23	2,52	18,09	0,00	0,00	942,69	1,09	941,60
28+15,00	3,40	22,99	0,00	0,00	965,68	1,09	964,58
TRAVESSA B							

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
0+0,00	1,83	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,92	37,43	0,00	0,00	37,43	0,00	37,43
2+0,00	1,65	35,67	0,00	0,00	73,11	0,00	73,11
3+0,00	2,14	37,86	0,00	0,00	110,97	0,00	110,97
4+0,00	1,68	38,14	0,00	0,00	149,11	0,00	149,11
5+0,00	1,60	32,79	0,00	0,00	181,90	0,00	181,90
5+13,53	1,53	21,18	0,00	0,00	203,08	0,00	203,08
6+0,00	1,46	9,67	0,00	0,00	212,75	0,00	212,75
6+5,57	1,44	8,07	0,00	0,00	220,82	0,00	220,82
6+16,38	2,14	19,32	0,00	0,00	240,14	0,00	240,14
RUA ZILDA RODRIGUES SANTOS							
0+0,00	1,66	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	2,10	37,58	0,00	0,00	37,58	0,00	37,58
2+0,00	1,84	39,38	0,00	0,00	76,96	0,00	76,96
3+0,00	1,68	35,23	0,00	0,00	112,19	0,00	112,19
3+5,44	1,67	9,12	0,00	0,00	121,31	0,00	121,31
3+10,00	3,36	12,27	0,00	0,00	133,58	0,00	133,58
3+12,39	3,85	9,53	0,00	0,00	143,11	0,00	143,11
4+0,00	2,21	24,56	0,00	0,00	167,67	0,00	167,67
5+0,00	1,80	40,02	0,00	0,00	207,70	0,00	207,70
6+0,00	2,03	38,30	0,00	0,00	246,00	0,00	246,00
6+5,13	1,96	10,24	0,00	0,00	256,24	0,00	256,23
6+10,00	2,22	10,17	0,00	0,00	266,40	0,00	266,40
6+14,84	1,69	9,46	0,00	0,00	275,86	0,00	275,86
7+0,00	1,61	8,52	0,00	0,00	284,38	0,00	284,37
7+4,54	1,57	7,22	0,00	0,00	291,59	0,00	291,59
8+0,00	1,74	25,59	0,00	0,00	317,18	0,00	317,18
9+0,00	1,75	34,95	0,00	0,00	352,12	0,00	352,12
9+5,19	1,89	9,45	0,00	0,00	361,58	0,00	361,57
9+10,00	2,06	9,52	0,00	0,00	371,10	0,00	371,10
10+0,00	2,40	22,32	0,00	0,00	393,42	0,00	393,41
10+5,00	2,34	11,85	0,00	0,00	405,27	0,00	405,27
10+10,00	2,26	11,51	0,00	0,00	416,78	0,00	416,78
11+0,00	2,08	21,71	0,00	0,00	438,49	0,00	438,49
11+4,81	2,14	10,17	0,00	0,00	448,66	0,00	448,65
12+0,00	2,04	31,76	0,00	0,00	480,42	0,00	480,42
12+13,03	2,47	29,40	0,00	0,00	509,82	0,00	509,82
13+0,00	2,32	16,65	0,00	0,00	526,47	0,00	526,47
13+4,22	2,26	9,63	0,00	0,00	536,10	0,00	536,09
14+0,00	2,23	35,44	0,00	0,00	571,54	0,00	571,53
15+0,00	1,96	41,87	0,00	0,00	613,40	0,00	613,40
16+0,00	1,69	36,53	0,00	0,00	649,93	0,00	649,93
17+0,00	2,38	40,73	0,00	0,00	690,67	0,00	690,67
17+18,35	2,56	45,30	0,00	0,00	735,97	0,00	735,97
18+0,00	2,59	4,23	0,00	0,00	740,20	0,00	740,20
19+0,00	2,27	48,58	0,00	0,00	788,78	0,00	788,78
20+0,00	2,14	44,07	0,00	0,00	832,84	0,00	832,84
21+0,00	2,08	42,20	0,00	0,00	875,05	0,00	875,04
21+12,43	1,89	24,66	0,00	0,00	899,71	0,00	899,70
21+17,18	1,63	8,29	0,00	0,00	908,00	0,00	908,00
22+0,00	1,62	4,56	0,00	0,00	912,56	0,00	912,56
23+0,00	1,80	34,13	0,00	0,00	946,69	0,00	946,69
23+10,00	1,83	18,16	0,00	0,00	964,85	0,00	964,85

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
23+14,47	1,85	8,24	0,00	0,00	973,09	0,00	973,09
24+0,00	1,83	10,20	0,00	0,00	983,29	0,00	983,29
24+10,00	1,88	18,58	0,00	0,00	1.001,88	0,00	1.001,87
24+15,92	1,94	11,31	0,00	0,00	1.013,19	0,00	1.013,19
25+0,00	1,92	7,85	0,00	0,00	1.021,04	0,00	1.021,04
25+9,13	2,17	18,64	0,00	0,00	1.039,68	0,00	1.039,68
RUA DE RUA A							
0+3,65	0,97	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,13	17,15	0,00	0,00	17,15	0,00	17,15
1+10,00	1,22	11,72	0,00	0,00	28,87	0,00	28,87
1+14,99	1,39	6,50	0,00	0,00	35,37	0,00	35,37
2+0,00	1,40	6,98	0,00	0,00	42,35	0,00	42,35
2+10,94	1,64	16,60	0,00	0,00	58,95	0,00	58,95
2+14,06	2,52	6,29	0,00	0,00	65,23	0,00	65,23
2+17,19	2,01	6,53	0,00	0,00	71,76	0,00	71,76
3+4,06	1,52	12,11	0,00	0,00	83,87	0,00	83,87
3+10,00	1,53	9,04	0,00	0,00	92,90	0,00	92,90
4+0,00	1,36	14,43	0,00	0,00	107,34	0,00	107,34
5+0,00	1,17	25,27	0,00	0,00	132,61	0,00	132,61
5+3,56	1,24	4,28	0,00	0,00	136,89	0,00	136,89
5+10,00	1,27	8,08	0,00	0,00	144,97	0,00	144,97
5+16,67	1,37	8,81	0,00	0,00	153,79	0,00	153,79
6+0,00	1,49	4,77	0,00	0,00	158,56	0,00	158,56
6+16,23	2,08	28,98	0,00	0,00	187,54	0,00	187,54
TRAVESSA 419							
0+2,15	1,41	0,00	0,00	0,00	0,00	0,00	0,00
0+10,00	1,41	11,03	0,00	0,00	11,03	0,00	11,03
0+13,53	1,40	4,94	0,00	0,00	15,98	0,00	15,98
0+20,00	1,34	8,86	0,00	0,00	24,84	0,00	24,84
2+0,00	1,45	27,94	0,00	0,00	52,79	0,00	52,79
2+7,38	2,19	13,46	0,00	0,00	66,25	0,00	66,25
RUA QUATROCENTOS E DEZENOVE							
0+0,00	0,46	0,00	0,00	0,00	0,00	0,00	0,00
0+9,74	1,22	8,21	0,00	0,00	8,21	0,00	8,21
1+0,00	1,30	12,94	0,00	0,00	21,16	0,00	21,16
2+0,00	1,37	26,75	0,00	0,00	47,91	0,00	47,91
2+10,00	1,41	13,93	0,00	0,00	61,84	0,00	61,84
3+0,00	1,46	14,35	0,00	0,00	76,20	0,00	76,20
4+0,00	1,53	29,86	0,00	0,00	106,06	0,00	106,06
4+16,33	1,62	25,68	0,00	0,00	131,73	0,00	131,73
5+0,00	1,64	5,99	0,00	0,00	137,72	0,00	137,72
5+7,43	1,62	12,12	0,00	0,00	149,85	0,00	149,85
5+10,00	1,57	4,12	0,00	0,00	153,97	0,00	153,97
5+20,00	1,38	14,79	0,00	0,00	168,76	0,00	168,76
6+13,16	1,24	17,29	0,00	0,00	186,05	0,00	186,05
6+17,99	1,47	6,54	0,00	0,00	192,59	0,00	192,59
7+2,79	1,52	7,18	0,00	0,00	199,76	0,00	199,76
7+5,28	1,44	3,69	0,00	0,00	203,45	0,00	203,45
7+14,35	1,54	13,50	0,00	0,00	216,96	0,00	216,96
7+18,17	1,61	6,06	0,00	0,00	223,02	0,00	223,01
8+0,00	1,65	3,02	0,00	0,00	226,03	0,00	226,03
8+1,98	1,68	3,33	0,00	0,00	229,36	0,00	229,36

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
8+8,10	1,62	10,09	0,00	0,00	239,45	0,00	239,45
8+10,00	1,58	3,01	0,00	0,00	242,45	0,00	242,45
8+11,60	1,50	2,43	0,00	0,00	244,88	0,00	244,88
8+15,09	1,87	5,85	0,00	0,00	250,73	0,00	250,73
9+0,00	2,59	10,97	0,00	0,00	261,70	0,00	261,70
10+0,00	1,52	41,14	0,00	0,00	302,84	0,00	302,84
10+14,29	1,84	24,04	0,00	0,00	326,88	0,00	326,88
RUA 20							
0+0,05	1,47	0,00	0,00	0,00	0,00	0,00	0,00
0+17,20	1,99	29,66	0,00	0,00	29,66	0,00	29,66
RUA QUATROCENTOS E DEZENOVE II							
0+0,00	2,20	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	0,30	25,00	2,38	27,33	25,00	27,33	-2,33
1+14,61	0,07	2,67	0,74	26,22	27,67	53,54	-25,87
2+0,00	0,14	0,56	0,59	4,12	28,22	57,66	-29,44
3+0,00	0,00	1,37	0,96	17,73	29,59	75,39	-45,80
3+12,78	1,81	11,57	0,00	7,02	41,17	82,41	-41,25
4+0,00	1,86	13,26	0,00	0,00	54,43	82,41	-27,99
5+0,00	2,09	39,53	0,00	0,00	93,96	82,41	11,55
5+6,50	2,45	14,76	0,00	0,00	108,72	82,41	26,31
6+0,00	2,01	30,11	0,00	0,00	138,82	82,41	56,41
7+0,00	3,04	50,52	0,00	0,00	189,35	82,41	106,94
7+4,57	3,17	14,19	0,00	0,00	203,54	82,41	121,12
8+0,00	2,27	41,95	0,00	0,00	245,49	82,41	163,08
8+10,70	3,07	28,60	0,00	0,00	274,09	82,41	191,68
9+0,00	2,85	27,49	0,00	0,00	301,58	82,41	219,17
10+0,00	1,57	44,20	0,00	0,00	345,78	82,41	263,37
10+14,73	2,22	27,94	0,00	0,00	373,72	82,41	291,30
11+0,00	2,10	11,38	0,00	0,00	385,10	82,41	302,68
11+14,62	1,76	28,19	0,00	0,00	413,28	82,41	330,87
12+0,00	1,60	9,04	0,00	0,00	422,32	82,41	339,91
12+18,16	1,70	29,98	0,00	0,00	452,30	82,41	369,89
13+0,00	1,67	3,12	0,00	0,00	455,42	82,41	373,01
13+3,45	1,61	5,67	0,00	0,00	461,09	82,41	378,68
13+5,81	1,58	3,75	0,00	0,00	464,84	82,41	382,43
13+8,17	1,54	3,66	0,00	0,00	468,50	82,41	386,09
13+12,18	1,49	6,09	0,00	0,00	474,59	82,41	392,18
13+13,85	1,40	2,41	0,00	0,00	477,01	82,41	394,59
13+15,52	2,18	2,96	0,00	0,00	479,97	82,41	397,56
14+0,00	1,96	9,29	0,00	0,00	489,27	82,41	406,85
14+3,55	1,17	5,58	0,00	0,00	494,85	82,41	412,44
14+16,30	1,31	15,81	0,00	0,00	510,66	82,41	428,24
15+0,00	1,35	4,91	0,00	0,00	515,57	82,41	433,16
16+0,00	1,33	26,79	0,00	0,00	542,36	82,41	459,95
16+2,63	1,26	3,41	0,01	0,01	545,77	82,42	463,35
16+19,98	1,52	24,12	0,00	0,06	569,89	82,49	487,40
17+0,00	1,52	0,02	0,00	0,00	569,92	82,49	487,43
17+12,85	2,30	24,55	0,00	0,00	594,47	82,49	511,98
17+15,01	1,84	4,47	0,00	0,00	598,94	82,49	516,45
17+17,17	2,34	4,48	0,00	0,00	603,42	82,49	520,93
18+10,00	1,51	24,72	0,00	0,00	628,13	82,49	545,64
19+0,00	0,79	11,50	0,00	0,00	639,63	82,49	557,15

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
19+4,03	1,68	4,96	0,00	0,00	644,60	82,49	562,11
19+12,67	1,40	13,25	0,00	0,00	657,85	82,49	575,37
19+16,86	1,30	5,66	0,00	0,00	663,52	82,49	581,03
20+0,00	1,29	4,06	0,00	0,00	667,58	82,49	585,09
20+3,35	1,26	4,27	0,00	0,00	671,85	82,49	589,36
21+0,00	1,67	24,39	0,00	0,00	696,24	82,49	613,75
21+8,66	1,57	14,03	0,00	0,00	710,27	82,49	627,78
22+0,00	1,33	16,44	0,00	0,00	726,71	82,49	644,22
22+16,08	1,34	21,44	0,00	0,00	748,15	82,49	665,66
23+0,00	1,43	5,41	0,00	0,00	753,56	82,49	671,07
24+0,00	1,45	28,72	0,00	0,00	782,28	82,49	699,79
24+12,75	1,47	18,61	0,00	0,00	800,90	82,49	718,41
24+15,67	1,94	4,97	0,00	0,00	805,87	82,49	723,38
25+0,00	2,17	8,89	0,00	0,00	814,76	82,49	732,27
25+11,42	1,81	22,70	0,00	0,00	837,46	82,49	754,97
26+0,00	1,54	14,34	0,00	0,00	851,80	82,49	769,31
26+18,34	1,50	27,86	0,00	0,00	879,66	82,49	797,17
27+0,00	1,43	2,43	0,00	0,00	882,08	82,49	799,60
27+2,10	1,34	2,91	0,00	0,00	884,99	82,49	802,50
27+4,36	1,22	2,89	0,00	0,00	887,88	82,49	805,39
27+6,36	1,18	2,40	0,00	0,00	890,28	82,49	807,79
27+8,36	1,17	2,34	0,00	0,00	892,62	82,49	810,14
28+0,00	1,48	15,40	0,00	0,00	908,02	82,49	825,54
28+6,58	1,37	9,36	0,00	0,02	917,38	82,51	834,88
28+8,85	1,33	3,07	0,00	0,01	920,45	82,51	837,94
28+13,39	1,22	5,80	0,00	0,00	926,26	82,51	843,74
28+15,56	1,20	2,64	0,00	0,00	928,89	82,51	846,38
28+17,74	1,23	2,65	0,00	0,00	931,54	82,51	849,03
29+5,10	2,11	12,27	0,00	0,00	943,81	82,51	861,30
RUA QUATROCENTOS E DEZOITO							
0+0,00	2,11	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	2,63	47,33	0,00	0,00	47,33	0,00	47,33
2+0,00	2,31	49,35	0,00	0,00	96,68	0,00	96,68
3+0,00	2,20	45,09	0,00	0,00	141,78	0,00	141,78
3+10,00	2,63	24,18	0,00	0,00	165,96	0,00	165,96
3+16,87	2,93	19,18	0,00	0,00	185,13	0,00	185,13
4+0,00	3,06	9,42	0,00	0,00	194,55	0,00	194,55
4+5,43	3,25	17,21	0,00	0,00	211,76	0,00	211,76
5+0,00	2,82	44,24	0,00	0,00	256,00	0,00	256,00
5+5,40	2,45	14,29	0,00	0,00	270,29	0,00	270,29
6+0,00	2,25	34,27	0,00	0,00	304,56	0,00	304,56
7+0,00	2,41	46,58	0,00	0,00	351,14	0,00	351,14
8+0,00	2,31	47,22	0,00	0,00	398,36	0,00	398,36
9+0,00	2,42	47,35	0,00	0,00	445,71	0,00	445,71
10+0,00	2,24	46,65	0,00	0,00	492,36	0,00	492,36
11+0,00	2,70	49,40	0,00	0,00	541,76	0,00	541,76
11+8,55	1,93	19,81	0,00	0,00	561,57	0,00	561,57
RUA VINTE E SETE							
0+0,00	1,22	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,47	26,89	0,00	0,00	26,89	0,00	26,89
2+0,00	1,24	27,08	0,00	0,00	53,97	0,00	53,97
3+0,00	1,39	26,25	0,00	0,00	80,22	0,00	80,22

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
3+2,34	1,42	3,29	0,00	0,00	83,51	0,00	83,51
3+4,85	1,47	3,63	0,00	0,00	87,14	0,00	87,14
4+0,00	1,33	21,22	0,00	0,00	108,36	0,00	108,36
4+1,19	1,28	1,56	0,00	0,00	109,92	0,00	109,92
4+4,55	1,18	4,14	0,00	0,00	114,05	0,00	114,05
4+7,91	1,12	3,86	0,00	0,00	117,91	0,00	117,91
5+0,00	1,27	14,42	0,00	0,00	132,34	0,00	132,34
5+10,46	1,29	13,39	0,00	0,00	145,72	0,00	145,72
5+14,69	1,34	5,57	0,00	0,00	151,29	0,00	151,29
5+18,92	1,36	5,71	0,00	0,00	157,01	0,00	157,01
6+10,00	1,27	14,57	0,00	0,00	171,58	0,00	171,58
6+13,62	1,17	4,42	0,00	0,00	176,00	0,00	176,00
7+0,00	1,40	8,22	0,00	0,00	184,22	0,00	184,22
8+0,00	1,38	27,83	0,00	0,00	212,05	0,00	212,05
8+13,55	1,51	19,57	0,00	0,00	231,62	0,00	231,62
RUA VINTE E OITO							
0+2,50	2,78	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	2,27	44,17	0,00	0,00	44,17	0,00	44,17
1+4,99	1,92	10,44	0,00	0,00	54,61	0,00	54,61
RUA ARLINGTON							
0+3,21	3,21	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	2,55	48,31	0,00	0,00	48,31	0,00	48,31
2+0,00	2,67	52,22	0,00	0,00	100,53	0,00	100,53
3+0,00	2,66	53,29	0,00	0,00	153,82	0,00	153,82
4+0,00	2,43	50,94	0,00	0,00	204,76	0,00	204,76
4+12,91	2,39	31,15	0,00	0,00	235,91	0,00	235,91
4+15,13	2,40	5,29	0,00	0,00	241,20	0,00	241,20
4+17,35	2,41	5,31	0,00	0,00	246,51	0,00	246,51
5+7,02	2,87	25,52	0,00	0,00	272,03	0,00	272,03
5+10,00	3,00	8,73	0,00	0,00	280,76	0,00	280,76
5+12,59	3,07	7,88	0,00	0,00	288,64	0,00	288,64
5+20,00	3,28	23,53	0,00	0,00	312,17	0,00	312,17
6+10,99	3,13	35,25	0,00	0,00	347,42	0,00	347,42
6+12,73	3,15	5,46	0,00	0,00	352,88	0,00	352,88
6+14,47	3,17	5,50	0,00	0,00	358,38	0,00	358,38
7+0,00	3,21	17,62	0,00	0,00	376,00	0,00	376,00
7+10,58	2,65	30,98	0,00	0,00	406,99	0,00	406,99
7+13,27	2,36	6,74	0,00	0,00	413,73	0,00	413,73
7+15,97	2,19	6,13	0,00	0,00	419,85	0,00	419,85
8+7,70	1,66	22,60	0,00	0,00	442,46	0,00	442,46
8+10,00	1,71	3,87	0,00	0,00	446,33	0,00	446,33
8+13,00	1,82	5,27	0,00	0,00	451,60	0,00	451,60
8+18,29	1,76	9,46	0,00	0,00	461,06	0,00	461,06
9+0,00	1,77	3,02	0,00	0,00	464,09	0,00	464,09
9+13,44	2,65	29,71	0,00	0,00	493,80	0,00	493,80
10+0,00	2,39	16,55	0,00	0,00	510,34	0,00	510,34
10+10,00	2,11	22,48	0,00	0,00	532,83	0,00	532,83
10+12,51	2,08	5,27	0,00	0,00	538,09	0,00	538,09
10+15,83	2,12	6,96	0,00	0,00	545,05	0,00	545,05
11+0,00	2,14	8,88	0,00	0,00	553,92	0,00	553,92
11+14,23	2,21	30,93	0,00	0,00	584,85	0,00	584,85
12+0,00	2,31	13,04	0,00	0,00	597,89	0,00	597,89

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
13+0,00	2,67	49,78	0,00	0,00	647,67	0,00	647,67
14+0,00	2,44	51,12	0,00	0,00	698,79	0,00	698,79
14+2,83	2,44	6,92	0,00	0,00	705,71	0,00	705,71
14+11,14	2,64	21,12	0,00	0,00	726,83	0,00	726,83
15+0,00	2,29	21,87	0,00	0,00	748,70	0,00	748,70
15+17,57	2,24	39,81	0,00	0,00	788,51	0,00	788,51
16+0,00	2,36	5,60	0,00	0,00	794,11	0,00	794,11
17+0,00	2,49	48,46	0,00	0,00	842,57	0,00	842,57
17+4,82	2,54	12,12	0,00	0,00	854,69	0,00	854,69
18+0,00	2,59	38,96	0,00	0,00	893,65	0,00	893,65
18+14,48	2,22	34,84	0,00	0,00	928,49	0,00	928,49
18+17,65	2,19	6,92	0,00	0,00	935,41	0,00	935,41
19+1,76	1,81	8,13	0,00	0,00	943,54	0,00	943,54
19+10,00	1,80	14,87	0,00	0,00	958,41	0,00	958,41
20+0,00	1,81	18,05	0,00	0,00	976,46	0,00	976,46
20+13,93	2,26	28,33	0,00	0,00	1.004,80	0,00	1.004,80
20+16,68	2,06	5,90	0,00	0,00	1.010,70	0,00	1.010,70
20+19,42	2,17	5,81	0,00	0,00	1.016,50	0,00	1.016,50
21+10,00	1,53	19,58	0,00	0,00	1.036,08	0,00	1.036,08
21+11,89	1,51	2,87	0,00	0,00	1.038,95	0,00	1.038,95
22+0,00	1,36	11,67	0,00	0,00	1.050,62	0,00	1.050,62
22+5,18	1,31	6,92	0,00	0,01	1.057,54	0,01	1.057,53
22+8,19	1,35	4,00	0,02	0,04	1.061,54	0,05	1.061,49
22+10,00	1,41	2,49	0,01	0,03	1.064,03	0,08	1.063,95
22+11,20	1,47	1,72	0,00	0,01	1.065,75	0,09	1.065,67
22+15,27	1,52	6,09	0,00	0,00	1.071,84	0,09	1.071,75
23+0,00	1,46	7,05	0,00	0,00	1.078,89	0,09	1.078,80
23+8,95	1,62	13,80	0,00	0,00	1.092,69	0,09	1.092,60
23+10,00	1,63	1,70	0,00	0,00	1.094,39	0,09	1.094,30
23+12,36	1,65	3,86	0,00	0,00	1.098,25	0,09	1.098,16
23+15,76	2,78	7,46	0,00	0,00	1.105,71	0,09	1.105,62
24+0,00	2,06	10,27	0,00	0,00	1.115,98	0,09	1.115,89
24+5,06	1,34	8,61	0,00	0,00	1.124,59	0,09	1.124,50
RUA OSÉIAS SIMÃO DOS REIS							
0+1,00	2,49	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,85	41,17	0,00	0,00	41,17	0,00	41,17
1+10,74	1,75	19,33	0,00	0,00	60,50	0,00	60,50
1+13,38	1,91	4,83	0,00	0,00	65,33	0,00	65,33
1+16,02	2,06	5,24	0,00	0,00	70,58	0,00	70,58
2+10,00	2,65	32,92	0,00	0,00	103,49	0,00	103,49
3+0,00	2,22	24,36	0,00	0,00	127,86	0,00	127,86
4+0,00	2,22	44,48	0,00	0,00	172,34	0,00	172,34
5+0,00	2,75	49,72	0,00	0,00	222,05	0,00	222,05
5+10,00	2,60	26,65	0,00	0,00	248,71	0,00	248,71
5+11,28	3,09	3,63	0,00	0,00	252,33	0,00	252,33
6+0,00	1,69	20,70	0,00	0,00	273,03	0,00	273,03
6+3,13	1,55	5,08	0,00	0,00	278,11	0,00	278,10
7+0,00	1,56	26,25	0,00	0,00	304,36	0,00	304,36
7+2,62	1,71	4,29	0,00	0,00	308,65	0,00	308,65
7+10,00	1,45	11,65	0,00	0,00	320,30	0,00	320,30
7+18,27	1,83	13,65	0,00	0,00	333,94	0,00	333,94
8+0,00	2,03	3,33	0,00	0,00	337,27	0,00	337,27
8+3,49	2,24	7,45	0,00	0,00	344,72	0,01	344,72

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
8+4,54	2,09	2,27	0,00	0,00	346,99	0,01	346,99
8+16,55	1,87	23,80	0,00	0,00	370,80	0,01	370,79
9+0,00	1,94	6,58	0,00	0,00	377,37	0,01	377,37
9+1,55	1,96	3,02	0,00	0,00	380,39	0,01	380,39
9+6,54	1,58	8,83	0,00	0,00	389,22	0,01	389,22
10+0,00	1,76	22,50	0,00	0,00	411,72	0,01	411,72
10+6,31	1,88	11,51	0,00	0,00	423,24	0,01	423,23
10+10,00	1,92	7,04	0,00	0,00	430,28	0,01	430,27
10+13,14	1,95	6,11	0,00	0,00	436,38	0,01	436,38
11+0,00	2,47	15,17	0,00	0,00	451,56	0,01	451,55
11+5,42	1,96	11,93	0,00	0,00	463,49	0,01	463,48
11+9,59	1,91	8,07	0,00	0,00	471,56	0,01	471,55
11+16,29	1,87	12,66	0,00	0,00	484,22	0,01	484,21
12+0,00	1,80	6,82	0,00	0,00	491,03	0,01	491,03
12+1,38	1,78	2,48	0,00	0,00	493,51	0,01	493,51
12+6,47	1,78	9,07	0,00	0,00	502,58	0,01	502,58
12+10,00	1,83	6,38	0,00	0,00	508,96	0,01	508,95
12+12,87	1,84	5,27	0,00	0,00	514,23	0,01	514,23
12+16,00	1,77	5,65	0,00	0,00	519,88	0,01	519,88
12+16,82	1,76	1,45	0,00	0,00	521,33	0,01	521,33
13+0,00	1,60	5,35	0,00	0,00	526,69	0,01	526,68
13+2,36	1,60	3,79	0,00	0,00	530,47	0,01	530,47
13+5,78	1,63	5,54	0,00	0,00	536,01	0,01	536,01
13+10,00	1,59	6,79	0,00	0,00	542,81	0,01	542,80
13+16,51	1,44	9,88	0,00	0,00	552,69	0,01	552,69
14+0,00	1,52	5,17	0,00	0,00	557,86	0,01	557,86
14+7,25	1,41	10,62	0,00	0,00	568,49	0,01	568,48
14+14,50	1,45	10,36	0,00	0,00	578,85	0,01	578,85
14+15,60	1,46	1,59	0,00	0,00	580,45	0,01	580,44
14+16,70	1,47	1,60	0,00	0,00	582,05	0,01	582,04
15+0,00	1,46	4,84	0,00	0,00	586,89	0,01	586,88
15+11,55	1,48	17,01	0,00	0,00	603,90	0,01	603,89
15+12,80	1,46	1,83	0,00	0,00	605,73	0,01	605,72
15+14,04	1,46	1,82	0,00	0,00	607,55	0,01	607,54
16+0,00	1,42	8,59	0,00	0,00	616,13	0,01	616,12
16+12,77	1,61	19,35	0,00	0,00	635,48	0,01	635,47
16+15,75	1,82	5,09	0,00	0,00	640,57	0,01	640,56
16+18,74	2,56	6,55	0,00	0,00	647,12	0,01	647,11
17+10,00	1,98	25,56	0,00	0,00	672,68	0,01	672,67
18+0,00	2,04	20,12	0,00	0,00	692,79	0,01	692,79
18+8,66	2,22	18,44	0,00	0,00	711,24	0,01	711,23
TRAVESSA OSEIAS							
0+0,00	1,90	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	2,07	39,71	0,00	0,00	39,71	0,00	39,71
2+0,00	1,85	39,22	0,00	0,00	78,93	0,00	78,93
2+4,75	1,80	8,67	0,00	0,00	87,60	0,00	87,60
TRAVESSA SIMÃO							
0+0,00	1,47	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,60	30,66	0,00	0,00	30,66	0,00	30,66
1+11,00	1,71	18,22	0,00	0,00	48,88	0,00	48,88
TRAVESSA REIS							
0+0,00	1,89	0,00	0,00	0,00	0,00	0,00	0,00

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
1+0,00	1,45	33,40	0,00	0,00	33,40	0,00	33,40
1+7,11	1,42	10,17	0,00	0,00	43,57	0,00	43,57
RUA JONAS SOARES REIS							
0+0,00	2,30	0,00	0,00	0,00	0,00	0,00	0,00
0+10,00	2,17	22,36	0,00	0,00	22,36	0,00	22,36
0+11,46	2,16	3,16	0,00	0,00	25,52	0,00	25,52
0+13,59	2,13	4,59	0,00	0,00	30,10	0,00	30,10
1+0,00	2,05	13,41	0,00	0,00	43,51	0,00	43,51
1+8,10	2,17	17,06	0,00	0,00	60,57	0,00	60,57
1+16,46	1,91	17,19	0,00	0,00	77,77	0,00	77,77
2+0,00	1,35	5,79	0,00	0,00	83,55	0,00	83,55
3+0,00	1,44	27,90	0,00	0,00	111,45	0,00	111,45
3+13,80	1,80	22,34	0,00	0,00	133,80	0,00	133,80
3+15,22	1,90	2,63	0,00	0,00	136,43	0,00	136,43
3+16,64	1,89	2,69	0,00	0,00	139,12	0,00	139,12
4+0,00	1,84	6,26	0,00	0,00	145,38	0,00	145,38
4+2,56	1,82	4,69	0,00	0,00	150,07	0,00	150,07
4+5,85	1,81	5,98	0,00	0,00	156,05	0,00	156,05
4+9,13	1,91	6,12	0,00	0,00	162,17	0,00	162,17
4+15,89	2,12	13,62	0,00	0,00	175,79	0,00	175,79
4+19,93	2,39	9,11	0,00	0,00	184,90	0,00	184,90
5+0,00	2,39	0,16	0,00	0,00	185,06	0,00	185,06
5+3,97	2,51	9,75	0,00	0,00	194,80	0,00	194,80
5+16,66	1,29	24,12	0,00	0,00	218,92	0,00	218,92
6+4,33	2,07	12,92	0,00	0,00	231,84	0,00	231,84
6+6,74	1,64	4,56	0,00	0,00	236,40	0,00	236,40
6+10,00	1,52	5,20	0,00	0,00	241,60	0,00	241,59
6+10,07	1,52	0,11	0,00	0,00	241,71	0,00	241,71
7+0,00	1,93	17,12	0,00	0,00	258,83	0,00	258,82
8+0,00	1,82	37,46	0,00	0,00	296,28	0,00	296,28
8+5,72	1,74	10,18	0,00	0,00	306,47	0,00	306,46
8+10,00	1,67	7,28	0,00	0,00	313,75	0,00	313,75
8+13,45	1,72	5,84	0,00	0,00	319,59	0,00	319,59
9+0,00	1,70	11,21	0,00	0,00	330,79	0,00	330,79
10+0,00	3,74	54,42	0,00	0,00	385,22	0,00	385,22
11+0,00	3,20	64,97	0,00	0,00	450,19	0,00	450,18
11+3,72	1,51	10,44	0,01	0,01	460,63	0,01	460,62
12+0,00	2,22	30,33	0,00	0,05	490,96	0,06	490,90
12+0,24	2,25	0,53	0,00	0,00	491,49	0,06	491,44
13+0,00	2,05	42,42	0,00	0,00	533,91	0,06	533,86
13+12,45	1,80	23,93	0,00	0,00	557,84	0,06	557,79
14+0,00	1,69	13,03	0,01	0,03	570,87	0,09	570,79
15+0,00	1,77	34,50	0,07	0,93	605,37	1,02	604,35
16+0,00	2,08	38,48	0,00	0,85	643,85	1,87	641,98
16+10,00	0,57	13,28	0,15	0,87	657,14	2,74	654,39
17+0,00	0,28	4,32	0,04	0,99	661,45	3,73	657,72
17+5,10	1,34	4,21	0,00	0,10	665,67	3,83	661,84
17+10,00	2,10	8,60	0,00	0,00	674,26	3,83	670,43
18+0,00	2,01	20,83	0,00	0,00	695,09	3,83	691,27
19+0,00	1,99	40,04	0,00	0,00	735,14	3,83	731,31
20+0,00	2,61	45,95	0,00	0,00	781,08	3,83	777,26
21+0,00	2,11	47,21	0,00	0,00	828,29	3,83	824,46
21+14,81	2,74	35,97	0,00	0,00	864,26	3,83	860,44

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
RUA 25							
0+3,27	3,34	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	2,09	45,39	0,00	0,00	45,39	0,00	45,39
1+5,00	2,13	10,55	0,00	0,00	55,95	0,00	55,95
1+12,57	2,04	15,76	0,00	0,00	71,71	0,00	71,71
1+15,89	2,02	6,75	0,00	0,00	78,46	0,00	78,46
1+19,22	2,09	6,83	0,00	0,00	85,28	0,00	85,28
2+10,00	2,13	22,73	0,00	0,00	108,01	0,00	108,01
2+14,35	2,00	8,98	0,00	0,00	116,99	0,00	116,99
2+17,47	2,01	6,27	0,00	0,00	123,26	0,00	123,26
3+0,00	2,05	5,13	0,00	0,00	128,40	0,00	128,40
3+19,11	2,65	44,90	0,00	0,00	173,29	0,00	173,29
4+0,00	2,72	2,37	0,00	0,00	175,67	0,00	175,67
4+3,18	2,69	8,57	0,00	0,00	184,24	0,00	184,24
4+7,26	2,71	11,04	0,00	0,00	195,28	0,00	195,28
4+10,91	0,00	4,96	0,00	0,00	200,24	0,00	200,24
4+15,32	2,25	5,03	0,00	0,00	205,26	0,00	205,26
4+19,73	2,97	11,60	0,00	0,00	216,87	0,00	216,87
5+10,00	2,90	30,13	0,00	0,00	247,00	0,00	247,00
6+9,92	3,09	59,63	0,00	0,00	306,63	0,00	306,63
6+10,00	3,08	0,23	0,00	0,00	306,87	0,00	306,87
6+14,74	3,05	14,55	0,00	0,00	321,41	0,00	321,41
7+0,00	1,87	12,92	0,00	0,00	334,34	0,00	334,34
7+10,22	2,04	19,99	0,00	0,00	354,33	0,00	354,33
7+12,99	2,22	5,93	0,00	0,00	360,27	0,00	360,27
7+15,76	2,49	6,56	0,00	0,00	366,82	0,00	366,82
8+2,97	2,96	19,64	0,00	0,00	386,46	0,00	386,46
8+5,05	3,11	6,31	0,00	0,00	392,77	0,00	392,77
8+15,66	2,31	28,73	0,00	0,00	421,50	0,00	421,50
9+0,00	0,00	5,02	0,00	0,00	426,52	0,00	426,52
10+0,00	0,00	0,00	0,00	0,00	426,52	0,00	426,52
11+0,00	0,00	0,00	0,00	0,00	426,52	0,00	426,52
11+10,79	0,00	0,00	0,00	0,00	426,52	0,00	426,52
RUA 26							
0+3,41	1,82	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,26	25,55	0,00	0,00	25,55	0,00	25,55
1+4,62	1,25	5,80	0,00	0,00	31,34	0,00	31,34
2+0,00	1,32	19,72	0,00	0,00	51,07	0,00	51,07
3+0,00	1,48	27,98	0,00	0,00	79,05	0,00	79,05
3+10,20	1,39	14,64	0,00	0,00	93,69	0,00	93,69
3+11,39	1,31	1,59	0,00	0,00	95,28	0,00	95,28
3+12,57	1,36	1,58	0,00	0,00	96,86	0,00	96,86
4+0,00	1,40	10,25	0,00	0,00	107,11	0,00	107,10
4+5,29	1,10	6,61	0,00	0,00	113,71	0,01	113,71
RUA ALECRIM							
0+3,17	2,38	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	2,05	37,27	0,00	0,00	37,27	0,00	37,27
2+0,00	2,13	41,83	0,00	0,00	79,10	0,00	79,10
3+0,00	1,88	40,17	0,00	0,00	119,28	0,00	119,28
4+0,00	1,98	38,63	0,00	0,00	157,91	0,00	157,91
5+0,00	1,32	32,96	0,00	0,00	190,87	0,00	190,87
5+1,24	0,73	1,27	0,00	0,00	192,13	0,00	192,13

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
6+0,00	2,30	28,41	0,00	0,01	220,54	0,02	220,53
6+3,40	2,22	7,69	0,00	0,00	228,23	0,02	228,21
7+0,00	2,17	36,49	0,00	0,00	264,71	0,02	264,70
7+6,71	2,16	14,54	0,00	0,00	279,26	0,02	279,24
8+0,00	0,00	14,34	0,00	0,00	293,59	0,02	293,58
9+0,00	0,00	0,00	0,00	0,00	293,59	0,02	293,58
10+0,00	0,00	0,00	0,00	0,00	293,59	0,02	293,58
10+11,70	0,00	0,00	0,00	0,00	293,59	0,02	293,58
RUA PROFESSOR GUIOMAR							
0+0,82	2,27	0,00	0,00	0,00	0,00	0,00	0,00
0+17,72	1,75	34,00	0,00	0,00	34,00	0,00	34,00
1+0,00	1,73	3,98	0,00	0,00	37,98	0,00	37,98
1+0,99	1,67	1,68	0,00	0,00	39,65	0,00	39,65
1+4,25	1,74	5,57	0,00	0,00	45,22	0,00	45,22
2+0,00	1,83	28,10	0,00	0,00	73,32	0,00	73,32
3+0,00	2,39	42,19	0,00	0,00	115,51	0,00	115,51
3+5,36	2,51	13,14	0,00	0,00	128,64	0,00	128,64
3+6,12	2,53	1,97	0,00	0,00	130,62	0,00	130,62
3+6,89	2,60	2,05	0,00	0,00	132,67	0,00	132,67
3+16,15	1,96	21,13	0,00	0,00	153,80	0,00	153,80
4+0,00	1,66	6,96	0,00	0,00	160,76	0,00	160,76
4+0,00	1,66	0,01	0,00	0,00	160,77	0,00	160,77
4+0,77	1,63	1,27	0,00	0,00	162,05	0,00	162,05
4+1,54	1,62	1,23	0,00	0,00	163,28	0,00	163,28
5+0,00	1,37	27,64	0,00	0,00	190,92	0,00	190,92
6+0,00	0,00	13,73	0,23	2,61	204,65	2,61	202,04
7+0,00	2,02	20,24	0,00	2,61	224,89	5,22	219,67
7+17,81	1,98	35,66	0,00	0,00	260,55	5,22	255,33
8+0,00	1,91	4,28	0,00	0,00	264,83	5,22	259,61
8+4,02	1,89	7,66	0,00	0,00	272,49	5,22	267,27
8+10,00	1,85	11,22	0,00	0,00	283,70	5,22	278,48
8+10,23	1,85	0,43	0,00	0,00	284,13	5,22	278,91
9+0,00	2,05	19,05	0,00	0,00	303,18	5,22	297,96
9+12,83	0,00	13,17	0,00	0,00	316,35	5,22	311,13
TRAVESSA PROFESSOR GUIOMAR							
0+0,00	1,65	0,00	0,00	0,00	0,00	0,00	0,00
0+5,00	1,62	8,18	0,00	0,00	8,18	0,00	8,18
0+18,18	1,87	23,00	0,00	0,00	31,17	0,00	31,17
RUA B (2)							
0+7,16	5,55	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	4,84	66,69	0,00	0,00	66,69	0,00	66,69
2+0,00	4,63	94,70	0,01	0,11	161,39	0,11	161,28
3+0,00	5,55	101,76	0,00	0,11	263,15	0,21	262,93
4+0,00	5,03	105,77	0,00	0,00	368,92	0,21	368,71
5+0,00	4,17	92,02	0,01	0,11	460,94	0,33	460,61
6+0,00	4,59	87,60	0,00	0,11	548,53	0,44	548,09
6+13,20	6,03	70,09	0,00	0,00	618,63	0,44	618,18
RUA C (2)							
0+6,51	6,63	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	4,97	78,23	0,00	0,00	78,23	0,00	78,23
1+6,92	4,78	33,73	0,00	0,00	111,97	0,00	111,97
1+10,00	4,78	14,71	0,00	0,00	126,68	0,00	126,68

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
1+13,39	4,86	16,32	0,00	0,00	143,00	0,00	143,00
2+0,00	4,87	32,20	0,00	0,00	175,20	0,00	175,20
3+0,00	4,92	97,93	0,00	0,00	273,13	0,00	273,13
3+4,64	4,82	22,59	0,00	0,00	295,71	0,00	295,71
3+10,00	4,66	25,44	0,00	0,00	321,15	0,00	321,15
4+0,00	5,44	50,51	0,00	0,00	371,66	0,00	371,66
5+0,00	4,39	98,32	0,00	0,00	469,98	0,00	469,98
6+0,00	3,52	79,12	0,06	0,69	549,10	0,69	548,41
6+13,37	3,72	48,41	0,00	0,46	597,51	1,16	596,36
7+0,00	4,71	27,91	0,00	0,00	625,43	1,16	624,27
8+0,00	4,48	91,88	0,01	0,11	717,31	1,27	716,04
9+0,00	4,68	91,63	0,00	0,11	808,94	1,39	807,55
10+0,00	5,12	98,04	0,00	0,00	906,98	1,39	905,60
11+0,00	1,91	70,29	0,97	11,14	977,27	12,53	964,75
11+19,66	1,05	29,05	3,36	48,88	1.006,32	61,41	944,91
RUA D (2)							
0+0,00	2,78	0,00	0,01	0,00	0,00	0,00	0,00
1+0,00	4,82	75,96	0,00	0,17	75,96	0,17	75,79
2+0,00	4,51	93,29	0,00	0,05	169,25	0,22	169,03
3+0,00	4,43	89,39	0,12	1,43	258,64	1,65	256,99
3+7,94	4,96	37,23	0,00	0,55	295,88	2,20	293,68
TRAVESSA JOSÉ FRANCISCO MATOS							
0+0,00	1,39	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,28	26,73	0,00	0,00	26,73	0,00	26,73
1+17,83	1,35	23,46	0,00	0,00	50,19	0,00	50,19
2+0,00	1,43	3,06	0,00	0,00	53,25	0,00	53,25
2+7,49	1,85	12,51	0,00	0,00	65,76	0,00	65,76
2+10,00	2,26	5,26	0,00	0,00	71,02	0,00	71,02
2+18,11	4,52	28,40	0,00	0,00	99,42	0,00	99,42
2+20,00	4,39	8,42	0,00	0,00	107,84	0,00	107,84
3+10,02	3,53	39,71	0,00	0,00	147,55	0,00	147,55
4+2,11	5,21	53,53	0,00	0,00	201,08	0,00	201,08
4+4,54	4,17	10,93	0,00	0,00	212,01	0,00	212,01
4+6,97	4,22	10,06	0,00	0,00	222,07	0,00	222,07
5+0,00	4,22	55,02	0,00	0,00	277,09	0,00	277,09
6+0,00	4,39	86,11	0,08	0,87	363,20	0,87	362,33
7+0,00	4,33	87,25	0,01	1,03	450,45	1,90	448,55
8+0,00	5,42	97,55	0,00	0,16	548,00	2,06	545,94
9+0,00	6,25	116,70	0,00	0,00	664,70	2,06	662,64
9+14,06	5,57	83,11	0,04	0,31	747,81	2,37	745,44
10+0,00	5,09	31,68	0,34	1,29	779,49	3,66	775,83
11+0,00	8,22	133,09	0,00	3,90	912,58	7,56	905,02
11+1,67	0,00	6,87	0,00	0,00	919,45	7,56	911,88
TRAVESSA AYRTON SENNA							
0+0,00	1,73	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,49	32,28	0,00	0,00	32,28	0,00	32,28
2+0,00	2,01	35,03	0,00	0,00	67,31	0,00	67,31
3+0,00	2,00	40,06	0,00	0,00	107,37	0,00	107,37
4+0,00	1,92	39,22	0,00	0,00	146,59	0,00	146,59
4+5,85	1,95	11,33	0,00	0,00	157,92	0,00	157,92
4+8,76	1,93	5,66	0,00	0,00	163,57	0,00	163,57
4+10,00	1,92	2,38	0,00	0,00	165,96	0,00	165,96

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
4+11,68	1,91	3,22	0,00	0,00	169,17	0,00	169,17
5+0,00	1,93	15,97	0,00	0,00	185,14	0,00	185,14
6+0,00	1,89	38,16	0,00	0,00	223,30	0,00	223,30
6+15,51	1,88	29,22	0,00	0,00	252,52	0,00	252,52
7+0,00	1,54	7,66	0,00	0,00	260,18	0,00	260,18
7+13,31	3,75	35,20	0,00	0,00	295,37	0,00	295,37
RUA IATE							
0+5,13	2,87	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	2,72	41,60	0,00	0,00	41,60	0,00	41,60
2+0,00	2,62	53,43	0,00	0,00	95,03	0,00	95,03
3+0,00	3,52	61,39	0,00	0,00	156,41	0,00	156,41
4+0,00	2,36	58,75	0,00	0,00	215,16	0,00	215,16
5+0,00	2,47	48,23	0,00	0,00	263,39	0,00	263,39
6+0,00	2,65	51,12	0,00	0,00	314,52	0,00	314,52
6+0,04	2,64	0,11	0,00	0,00	314,63	0,00	314,63
7+0,00	2,34	49,71	0,00	0,00	364,34	0,00	364,34
8+0,00	2,90	52,33	0,00	0,00	416,67	0,00	416,67
9+0,00	2,44	53,35	0,00	0,00	470,02	0,00	470,02
10+0,00	2,42	48,58	0,00	0,00	518,60	0,00	518,60
11+0,00	2,26	46,84	0,00	0,00	565,44	0,00	565,44
11+1,78	2,31	4,06	0,00	0,00	569,51	0,00	569,51
TRAVESSA IATE							
0+0,00	1,46	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,44	29,02	0,00	0,00	29,02	0,00	29,02
2+0,00	2,31	37,58	0,00	0,00	66,59	0,00	66,59
2+8,09	1,60	15,81	0,00	0,00	82,40	0,00	82,40
2+10,00	1,42	2,88	0,00	0,00	85,28	0,00	85,28
2+12,05	1,26	2,74	0,00	0,00	88,02	0,00	88,02
2+16,02	1,20	4,85	0,00	0,00	92,87	0,00	92,87
3+0,00	1,22	4,81	0,00	0,00	97,68	0,00	97,68
3+6,11	1,24	7,51	0,00	0,00	105,19	0,00	105,19
4+0,00	1,31	17,71	0,00	0,00	122,90	0,00	122,90
4+12,15	1,26	15,61	0,00	0,00	138,51	0,00	138,51
5+0,00	1,38	10,38	0,00	0,00	148,90	0,00	148,90
6+0,00	1,33	27,18	0,00	0,00	176,07	0,00	176,07
6+16,02	2,96	34,40	0,00	0,00	210,48	0,00	210,48
RUA SANTANA DO LIVRAMENTO							
0+0,32	2,25	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,83	40,15	0,00	0,00	40,15	0,00	40,15
2+0,00	2,03	38,60	0,00	0,00	78,75	0,00	78,75
3+0,00	2,33	43,63	0,00	0,00	122,38	0,00	122,38
4+0,00	2,00	43,28	0,00	0,00	165,66	0,00	165,66
5+0,00	2,13	41,25	0,00	0,00	206,91	0,00	206,91
6+0,00	2,08	42,03	0,00	0,00	248,95	0,00	248,95
7+0,00	1,80	38,80	0,00	0,00	287,74	0,00	287,74
7+11,31	2,32	23,30	0,00	0,00	311,04	0,00	311,04
8+0,00	2,06	19,00	0,00	0,00	330,05	0,00	330,05
9+0,00	1,70	37,55	0,00	0,00	367,59	0,00	367,59
9+10,00	1,89	17,93	0,00	0,00	385,52	0,00	385,52
9+14,49	1,89	8,49	0,00	0,00	394,01	0,00	394,01
10+0,00	1,65	9,75	0,00	0,00	403,77	0,00	403,77
11+0,00	1,47	31,27	0,00	0,00	435,03	0,00	435,03

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
12+0,00	1,41	28,82	0,00	0,00	463,86	0,00	463,86
12+5,51	1,54	8,12	0,00	0,00	471,98	0,00	471,98
13+0,00	1,55	22,36	0,00	0,00	494,34	0,00	494,34
14+0,00	1,79	33,35	0,00	0,00	527,70	0,00	527,70
15+0,00	1,55	33,31	0,00	0,00	561,01	0,00	561,01
15+10,54	1,88	18,05	0,00	0,00	579,06	0,00	579,05
16+0,00	1,61	16,54	0,00	0,00	595,59	0,00	595,59
17+0,00	1,45	30,64	0,00	0,00	626,23	0,00	626,23
17+2,57	1,43	3,70	0,00	0,00	629,93	0,00	629,93
17+6,45	1,43	5,56	0,00	0,00	635,49	0,00	635,49
17+10,00	1,68	5,51	0,00	0,00	641,00	0,00	641,00
18+0,00	1,71	16,94	0,00	0,00	657,95	0,00	657,94
18+11,15	1,58	18,33	0,00	0,00	676,27	0,00	676,27
18+14,32	1,52	4,91	0,00	0,00	681,18	0,00	681,18
18+17,48	1,91	5,47	0,00	0,00	686,66	0,00	686,65
19+10,00	1,51	21,40	0,00	0,00	708,06	0,00	708,05
19+12,03	1,47	3,02	0,00	0,00	711,07	0,00	711,07
TRAVESSA SANTANA DO LIVRAMENTO							
0+0,00	1,46	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,63	30,83	0,00	0,00	30,83	0,00	30,83
2+0,00	1,82	34,49	0,00	0,00	65,31	0,00	65,31
3+0,00	2,04	38,67	0,00	0,00	103,98	0,00	103,98
3+1,18	2,17	2,48	0,00	0,00	106,46	0,00	106,46
RUA A (3)							
0+17,53	4,29	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	2,81	8,77	0,01	0,01	8,77	0,01	8,76
2+0,00	3,06	58,70	0,02	0,27	67,48	0,28	67,20
3+0,00	4,15	72,04	0,00	0,19	139,52	0,47	139,05
4+0,00	4,38	85,27	0,00	0,00	224,79	0,47	224,32
5+0,00	5,35	97,32	0,00	0,00	322,11	0,47	321,64
6+0,00	7,31	126,62	0,00	0,00	448,73	0,47	448,26
6+3,34	7,28	24,39	0,00	0,00	473,12	0,47	472,65
RUA B (3) E RUA F							
0+0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
0+0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
0+14,43	7,80	56,30	0,00	0,00	56,30	0,00	56,29
1+0,00	6,26	39,17	0,00	0,00	95,46	0,00	95,46
2+0,00	4,17	104,29	0,07	0,79	199,75	0,79	198,96
2+10,00	4,15	41,73	0,39	2,58	241,49	3,37	238,12
3+0,00	3,30	37,87	0,63	5,51	279,35	8,88	270,47
3+10,00	2,35	28,80	0,53	6,29	308,16	15,17	292,98
4+0,00	4,10	32,52	0,00	2,90	340,67	18,07	322,60
4+7,71	4,99	35,02	0,00	0,00	375,69	18,07	357,62
5+0,00	5,19	62,53	0,00	0,00	438,22	18,07	420,15
6+0,00	4,98	101,64	0,00	0,00	539,87	18,07	521,80
7+0,00	6,13	111,11	0,00	0,00	650,97	18,07	632,90
7+3,94	8,67	29,17	0,00	0,00	680,14	18,07	662,07
7+5,65	8,45	7,26	0,00	0,00	687,40	18,07	669,33
7+7,36	8,57	4,25	0,00	0,00	691,65	18,07	673,58
8+0,00	5,34	87,93	0,00	0,00	779,58	18,07	761,51
9+0,00	5,05	103,94	0,00	0,00	883,52	18,07	865,45
9+10,35	5,04	52,21	0,00	0,02	935,73	18,09	917,64

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
10+0,00	5,92	52,94	0,06	0,37	988,68	18,46	970,21
11+0,00	6,06	119,73	0,00	0,73	1.108,41	19,19	1.089,22
12+0,00	6,15	122,05	0,00	0,00	1.230,46	19,19	1.211,27
13+3,53	4,32	123,14	0,17	2,30	1.353,60	21,49	1.332,12
14+0,00	4,69	74,20	0,22	3,66	1.427,81	25,15	1.402,65
15+0,00	5,11	98,03	0,00	2,49	1.525,84	27,65	1.498,19
15+17,74	0,00	45,32	0,00	0,00	1.571,16	27,65	1.543,51
RUA D (3)							
0+0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	2,99	29,88	0,00	0,00	29,88	0,00	29,88
2+0,00	2,61	56,02	0,00	0,00	85,90	0,00	85,90
2+2,03	2,73	5,52	0,00	0,00	91,42	0,00	91,42
3+16,94	2,85	97,28	0,01	0,20	188,70	0,20	188,50
4+2,61	3,26	17,04	0,00	0,03	205,75	0,23	205,52
5+0,00	4,04	63,48	0,00	0,00	269,22	0,23	268,99
5+10,93	4,45	46,39	0,00	0,00	315,61	0,23	315,38
6+0,00	0,00	20,17	0,00	0,00	335,78	0,23	335,55
RUA JOSÉ OLIVEIRA							
0+0,00	1,88	0,00	0,00	0,00	0,00	0,00	0,00
0+17,27	2,29	36,03	0,00	0,00	36,03	0,00	36,03
1+1,59	2,85	10,77	0,00	0,00	46,80	0,00	46,80
1+5,15	2,07	8,26	0,00	0,00	55,06	0,00	55,06
2+0,00	2,18	31,55	0,00	0,00	86,61	0,00	86,61
3+0,00	2,02	41,98	0,00	0,00	128,59	0,00	128,59
4+0,00	1,83	38,46	0,00	0,00	167,05	0,00	167,05
4+4,23	1,66	7,39	0,00	0,00	174,44	0,00	174,44
5+0,00	1,67	26,25	0,00	0,00	200,69	0,00	200,69
6+0,00	1,81	34,81	0,00	0,00	235,51	0,00	235,51
7+0,00	1,78	35,97	0,00	0,00	271,48	0,00	271,48
7+7,06	1,88	12,94	0,00	0,00	284,41	0,00	284,41
8+0,00	1,86	24,18	0,00	0,00	308,60	0,00	308,60
9+0,00	1,76	36,13	0,00	0,00	344,73	0,00	344,73
10+0,00	1,93	36,90	0,00	0,00	381,63	0,00	381,63
10+9,66	2,47	21,28	0,00	0,00	402,91	0,00	402,91
RUA 23							
0+0,00	1,65	0,00	0,00	0,00	0,00	0,00	0,00
1+0,00	1,82	34,77	0,00	0,00	34,77	0,00	34,77
1+12,91	1,67	22,56	0,00	0,00	57,33	0,00	57,33
2+0,00	1,66	11,78	0,00	0,00	69,11	0,00	69,11
3+0,00	1,67	33,30	0,00	0,00	102,41	0,00	102,41
3+5,42	1,68	9,09	0,00	0,00	111,50	0,00	111,50
4+0,00	1,70	24,68	0,00	0,00	136,19	0,00	136,19
5+0,00	1,74	34,45	0,00	0,00	170,64	0,00	170,64
6+0,00	1,71	34,57	0,00	0,00	205,21	0,00	205,21
6+9,65	1,89	17,39	0,00	0,00	222,60	0,00	222,60
7+0,00	1,73	18,74	0,00	0,00	241,34	0,00	241,34
7+14,99	1,86	26,89	0,00	0,00	268,23	0,00	268,23
8+0,00	1,74	9,03	0,00	0,00	277,25	0,00	277,25
8+6,16	1,72	10,65	0,00	0,00	287,91	0,00	287,91
8+16,44	2,81	23,26	0,00	0,00	311,17	0,00	311,17
EIXO DO CANAL E VALA PROJETADA							
0+0,00	1,65	0,00	0,00	0,00	0,00	0,00	0,00

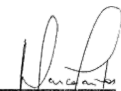
MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
1+0,00	3,07	47,20	0,00	0,00	47,20	0,00	47,20
2+0,00	4,93	80,07	0,00	0,00	127,28	0,00	127,28
3+0,00	6,78	117,18	0,00	0,00	244,45	0,00	244,45
4+0,00	8,43	152,10	0,00	0,00	396,55	0,00	396,55
5+0,00	9,93	183,59	0,00	0,00	580,14	0,00	580,14
6+0,00	9,28	192,09	0,00	0,00	772,22	0,00	772,22
7+0,00	6,68	159,58	0,00	0,00	931,80	0,00	931,80
8+0,00	7,52	142,00	0,00	0,00	1.073,80	0,00	1.073,80
9+0,00	3,21	107,25	0,00	0,00	1.181,05	0,00	1.181,05
10+0,00	6,69	98,93	0,00	0,00	1.279,97	0,00	1.279,97
11+0,00	12,97	196,52	0,00	0,00	1.476,49	0,00	1.476,49
12+0,00	7,87	208,40	0,00	0,00	1.684,89	0,00	1.684,89
13+0,00	11,84	197,09	0,00	0,00	1.881,99	0,00	1.881,99
14+0,00	8,53	203,68	0,00	0,00	2.085,66	0,00	2.085,66
15+0,00	18,82	273,54	0,00	0,00	2.359,21	0,00	2.359,21
16+0,00	13,65	324,75	0,00	0,00	2.683,96	0,00	2.683,96
17+0,00	13,74	273,92	0,00	0,00	2.957,89	0,00	2.957,89
18+0,00	17,03	307,67	0,00	0,02	3.265,56	0,02	3.265,54
19+0,00	11,01	280,40	0,00	0,02	3.545,96	0,03	3.545,93
20+0,00	16,63	276,44	0,00	0,04	3.822,40	0,07	3.822,33
21+0,00	3,62	202,52	0,00	0,04	4.024,92	0,11	4.024,81
22+0,00	20,52	241,39	0,00	0,00	4.266,31	0,11	4.266,20
23+0,00	18,63	391,48	0,00	0,01	4.657,78	0,12	4.657,66
24+0,00	15,79	344,20	0,00	0,01	5.001,98	0,13	5.001,85
25+0,00	0,00	157,90	0,00	0,00	5.159,88	0,13	5.159,75
26+0,00	18,58	185,79	0,00	0,01	5.345,67	0,14	5.345,53
27+0,00	17,13	357,12	0,00	0,04	5.702,79	0,17	5.702,61
28+0,00	19,92	370,52	0,00	0,03	6.073,31	0,20	6.073,10
29+0,00	18,43	383,51	0,00	0,00	6.456,82	0,20	6.456,61
30+0,00	10,73	291,58	0,00	0,00	6.748,40	0,20	6.748,20
31+0,00	26,52	372,49	0,00	0,00	7.120,89	0,20	7.120,69
32+0,00	18,57	450,91	0,00	0,00	7.571,80	0,20	7.571,60
33+0,00	21,71	402,78	0,00	0,00	7.974,58	0,20	7.974,37
34+0,00	18,46	401,68	0,00	0,00	8.376,25	0,20	8.376,05
35+0,00	18,68	371,42	0,00	0,00	8.747,67	0,20	8.747,47
36+0,00	18,83	375,11	0,00	0,00	9.122,79	0,20	9.122,58
37+0,00	18,24	370,67	0,00	0,00	9.493,46	0,20	9.493,25
38+0,00	21,80	400,39	0,00	0,00	9.893,84	0,20	9.893,64
39+0,00	21,09	428,92	0,00	0,00	10.322,76	0,20	10.322,56
40+0,00	21,96	430,51	0,00	0,00	10.753,27	0,20	10.753,06
41+0,00	23,06	450,14	0,00	0,00	11.203,40	0,20	11.203,20
42+0,00	23,28	463,38	0,00	0,01	11.666,79	0,21	11.666,58
43+0,00	23,67	469,53	0,00	0,02	12.136,32	0,23	12.136,08
43+18,33	24,17	438,50	0,00	0,02	12.574,81	0,25	12.574,57
44+0,00	24,32	40,49	0,00	0,00	12.615,30	0,25	12.615,05
45+0,00	22,54	468,58	0,00	0,01	13.083,88	0,26	13.083,63
46+0,00	24,23	467,72	0,00	0,01	13.551,60	0,27	13.551,34
47+0,00	29,42	536,50	0,00	0,00	14.088,11	0,27	14.087,84
48+0,00	24,41	538,30	0,00	0,00	14.626,40	0,27	14.626,14
49+0,00	28,41	528,19	0,00	0,00	15.154,59	0,27	15.154,32
50+0,00	25,32	537,30	0,00	0,00	15.691,89	0,27	15.691,62
51+0,00	28,84	541,60	0,00	0,00	16.233,48	0,27	16.233,22
52+0,00	25,85	546,91	0,00	0,00	16.780,39	0,27	16.780,13

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
53+0,00	26,24	520,98	0,00	0,00	17.301,37	0,27	17.301,10
54+0,00	25,96	522,06	0,00	0,00	17.823,43	0,27	17.823,16
55+0,00	21,27	472,29	0,00	0,00	18.295,72	0,27	18.295,45
56+0,00	23,37	446,34	0,00	0,00	18.742,06	0,27	18.741,80
57+0,00	32,10	554,71	0,00	0,00	19.296,77	0,27	19.296,51
58+0,00	27,09	591,92	0,00	0,00	19.888,69	0,27	19.888,43
59+0,00	26,46	535,44	0,01	0,06	20.424,14	0,33	20.423,81
60+0,00	31,34	577,93	0,00	0,06	21.002,07	0,39	21.001,68
60+13,22	32,11	419,48	0,00	0,00	21.421,55	0,39	21.421,16
61+0,00	32,43	218,64	0,00	0,00	21.640,19	0,39	21.639,80
61+10,00	30,52	314,75	0,00	0,00	21.954,94	0,39	21.954,55
61+14,32	29,73	130,25	0,00	0,00	22.085,19	0,39	22.084,80
62+0,00	28,70	165,83	0,00	0,01	22.251,02	0,40	22.250,62
62+10,00	27,65	281,77	0,00	0,01	22.532,78	0,41	22.532,38
62+15,42	27,24	148,85	0,00	0,00	22.681,63	0,41	22.681,22
63+0,00	26,98	124,07	0,00	0,01	22.805,70	0,42	22.805,28
64+0,00	16,13	431,14	0,00	0,03	23.236,84	0,44	23.236,40
65+0,00	29,19	453,25	0,00	0,00	23.690,09	0,44	23.689,64
66+0,00	27,70	568,94	0,00	0,00	24.259,02	0,44	24.258,58
67+0,00	21,34	490,35	11,04	0,00	24.749,37	0,44	24.748,93
68+0,00	30,88	522,17	20,58	363,63	25.271,54	364,07	24.907,47
69+0,00	19,46	503,46	9,16	342,01	25.775,00	706,08	25.068,92
70+0,00	27,00	464,64	16,70	297,39	26.239,64	1.003,47	25.236,17
71+0,00	18,37	453,72	8,07	284,86	26.693,36	1.288,33	25.405,04
72+0,00	16,56	349,33	6,26	164,80	27.042,70	1.453,12	25.589,58
73+0,00	24,87	414,35	14,57	239,55	27.457,05	1.692,67	25.764,39
74+0,00	16,86	417,38	6,56	243,00	27.874,43	1.935,66	25.938,77
75+0,00	27,69	445,59	17,39	275,43	28.320,01	2.211,09	26.108,93
75+17,39	36,97	562,28	0,02	200,22	28.882,29	2.411,30	26.470,99
76+0,00	42,22	98,33	0,01	-0,01	28.980,62	2.411,29	26.569,33
77+0,00	38,88	811,02	0,00	0,12	29.791,64	2.411,41	27.380,23
78+0,00	36,66	755,39	0,00	0,00	30.547,03	2.411,41	28.135,62
79+0,00	36,41	730,67	0,00	0,00	31.277,70	2.411,41	28.866,29
80+0,00	39,34	757,47	0,00	0,00	32.035,18	2.411,41	29.623,77
81+0,00	41,44	807,79	0,00	0,00	32.842,97	2.411,41	30.431,56
82+0,00	33,47	749,11	0,00	0,00	33.592,08	2.411,41	31.180,67
83+0,00	23,20	566,65	0,00	0,00	34.158,72	2.411,41	31.747,31
84+0,00	36,23	594,29	0,00	0,00	34.753,02	2.411,41	32.341,61
85+0,00	45,37	816,03	0,00	0,00	35.569,05	2.411,41	33.157,64
86+0,00	39,52	848,92	0,00	0,00	36.417,97	2.411,41	34.006,56
87+0,00	21,24	607,62	0,00	0,00	37.025,59	2.411,41	34.614,18
87+18,19	0,00	193,17	0,00	0,00	37.218,76	2.411,41	34.807,35
EIXO AUXILIAR 01							
0+0,00	9,77	0,00	0,00	0,00	0,00	0,00	0,00
0+2,50	10,03	21,08	0,00	0,00	21,08	0,00	21,08
0+4,71	9,69	19,48	0,00	0,00	40,55	0,00	40,55
0+7,00	10,37	21,64	0,00	0,00	62,19	0,00	62,19
0+9,41	10,05	22,87	0,00	0,00	85,05	0,00	85,05
EIXO AUXILIAR 02							
0+0,00	9,73	0,00	0,00	0,00	0,00	0,00	0,00
0+2,50	9,87	21,54	0,00	0,00	21,54	0,00	21,54
0+4,71	10,02	19,51	0,00	0,00	41,05	0,00	41,05

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
0+7,50	9,49	23,89	0,00	0,00	64,94	0,00	64,94
0+9,41	9,37	15,37	0,00	0,00	80,31	0,00	80,31
EIXO AUXILIAR 03							
0+0,00	27,59	0,00	0,00	0,00	0,00	0,00	0,00
0+2,50	17,10	35,88	0,00	0,00	35,88	0,00	35,88
0+4,71	17,54	41,94	0,00	0,00	77,81	0,00	77,81
0+7,50	16,83	52,03	0,00	0,00	129,85	0,00	129,85
0+9,42	27,50	26,86	0,00	0,00	156,71	0,00	156,71
EIXO AUXILIAR 04							
0+0,00	23,40	0,00	0,00	0,00	0,00	0,00	0,00
0+2,50	24,85	75,34	0,00	0,00	75,34	0,00	75,34
0+4,71	25,32	71,41	0,00	0,00	146,75	0,00	146,75
0+7,50	22,88	83,60	0,00	0,00	230,35	0,00	230,35
0+9,42	21,46	49,34	0,00	0,00	279,68	0,00	279,68
EIXO AUXILIAR 05							
0+0,00	8,99	0,00	0,00	0,00	0,00	0,00	0,00
0+2,50	8,99	17,24	0,00	0,01	17,24	0,01	17,23
0+5,00	9,25	17,65	0,00	0,00	34,89	0,01	34,88
0+7,50	9,29	18,12	0,00	0,00	53,01	0,01	53,00
0+9,42	9,50	14,26	0,00	0,00	67,27	0,01	67,26

RESUMO			
Eixo	Corte (m³)	Aterro (+15%, m³)	Volume Líquido (m³)
RUA JOSÉ ALMERINDO DOS SANTOS	1.425,87	0,00	1.425,87
RUA 21	678,67	0,00	678,67
RUA 30	56,44	0,00	56,44
RUA PRIMAVERA MANOEL RODRIGUES	334,41	0,00	334,41
RUA 24	61,61	0,00	61,61
RUA 10	163,46	0,00	163,46
RUA C - PARTE 1	39,11	0,00	39,11
RUA C E RUA PAULO EMÍDIO	1.579,29	0,00	1.579,29
RUA SIEGFRED VIEIRA LOESER	411,65	0,00	411,65
TRAVESSA A	224,82	0,00	224,81
RUA ERUNDINO SIMÃO DOS REIS	119,67	0,00	119,67
RUA CARLOS ALBERTO ZUZART	823,73	0,00	823,73
TRAVESSA CARLOS ALBERTO ZUZART 1	144,48	0,00	144,48
RUA 29	72,43	0,00	72,43
RUA RECANTO MARGARIDA	965,68	1,09	964,58
TRAVESSA B	240,14	0,00	240,14
RUA ZILDA RODRIGUES SANTOS	1.039,68	0,00	1.039,68
RUA D E RUA A	187,54	0,00	187,54
TRAVESSA 419	66,25	0,00	66,25
RUA QUATROCENTOS E DEZENOVE	326,88	0,00	326,88
RUA 20	29,66	0,00	29,66
RUA QUATROCENTOS E DEZENOVE II	943,81	82,51	861,30
RUA QUATROCENTOS E DEZOITO	561,57	0,00	561,57
RUA VINTE E SETE	231,62	0,00	231,62
RUA VINTE E OITO	54,61	0,00	54,61
RUA ARLINGTON	1.124,59	0,09	1.124,50

MAPA DE CUBAÇÃO							
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Vol. Acum. de Corte (m³)	Vol. Acum. de Aterro (m³)	Volume Líquido (m³)
RUA OSÉIAS SIMÃO DOS REIS					711,24	0,01	711,23
TRAVESSA OSÉIAS					87,60	0,00	87,60
TRAVESSA SIMÃO					48,88	0,00	48,88
TRAVESSA REIS					43,57	0,00	43,57
RUA JONAS SOARES REIS					864,26	3,83	860,44
RUA 25					426,52	0,00	426,52
RUA 26					113,71	0,01	113,71
RUA ALECRIM					293,59	0,02	293,58
RUA PROFESSOR GUIOMAR					316,35	5,22	311,13
TRAVESSA PROFESSOR GUIOMAR					31,17	0,00	31,17
RUA B (2)					618,63	0,44	618,18
RUA C (2)					1.006,32	61,41	944,91
RUA D (2)					295,88	2,20	293,68
TRAVESSA JOSÉ FRANCISCO MATOS					919,45	7,56	911,88
TRAVESSA AYRTON SENNA					295,37	0,00	295,37
RUA IATE					569,51	0,00	569,51
TRAVESSA IATE					210,48	0,00	210,48
RUA SANTANA DO LIVRAMENTO					711,07	0,00	711,07
TRAVESSA SANTANA DO LIVRAMENTO					106,46	0,00	106,46
RUA A (3)					473,12	0,47	472,65
RUA B (3) E RUA F					1.571,16	27,65	1.543,51
RUA D (3)					335,78	0,23	335,55
RUA JOSÉ OLIVEIRA					402,91	0,00	402,91
RUA 23					311,17	0,00	311,17
EIXO DO CANAL E VALA PROJETADA					37.218,76	2.411,41	34.807,35
EIXO AUXILIAR 01					85,05	0,00	85,05
EIXO AUXILIAR 02					80,31	0,00	80,31
EIXO AUXILIAR 03					156,71	0,00	156,71
EIXO AUXILIAR 04					279,68	0,00	279,68
EIXO AUXILIAR 05					67,27	0,01	67,26
Total					60.559,65	2.604,16	57.955,49


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