

<b>TÍTULO:</b>	<b>LOTEAMENTO LOUVEIRA</b>	<b>CALCULADO POR:</b>	<b>DATA:</b>	<b>FOLHA:</b>
	<b>VOLUMES - RUA 01</b>	<b>MARCUS IZIDRO</b>	<b>12/5/08</b>	<b>1/20</b>

SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	0,000	0,000					
1	241,040	0,000	10,000	2410,400	0,000	2410,400	0,000
2	129,760	47,670	10,000	3708,000	476,700	6118,400	476,700
3	162,470	17,120	10,000	2922,300	647,900	9040,700	1124,600
4	218,030	16,160	10,000	3805,000	332,800	12845,700	1457,400
5	196,250	15,480	10,000	4142,800	316,400	16988,500	1773,800
6	22,930	70,850	10,000	2191,800	863,300	19180,300	2637,100
<b>VOLUME TOTAL RUA 01</b>				<b>19180,300</b>	<b>2637,100</b>		



TÍTULO: LOTEAMENTO LOUVEIRA VOLUMES - RUA 02	CALCULADO POR: MARCUS IZIDRO	DATA: 12/5/08	FOLHA: 2/20
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SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	0,000	0,000					
1	311,230	0,000	10,000	3112,300	0,000	3112,300	0,000
2	201,570	0,000	10,000	5128,000	0,000	8240,300	0,000
3	163,450	24,520	10,000	3650,200	245,200	11890,500	245,200
4	135,420	31,200	10,000	2988,700	557,200	14879,200	802,400
5	44,110	54,700	10,000	1795,300	859,000	16674,500	1661,400
6	3,090	16,360	10,000	472,000	710,600	17146,500	2372,000
7	0,000	45,400	10,000	30,900	617,600	17177,400	2989,600
8	0,000	105,290	10,000	0,000	1506,900	17177,400	4496,500
9	3,080	107,340	10,000	30,800	2126,300	17208,200	6622,800
10	4,160	46,970	10,000	72,400	1543,100	17280,600	8165,900
11	64,170	0,000	10,000	683,300	469,700	17963,900	8635,600
<b>VOLUME TOTAL RUA 02</b>				<b>17963,900</b>	<b>8635,600</b>		



TÍTULO:	LOTEAMENTO LOUVEIRA VOLUMES - RUA 03	CALCULADO POR:	DATA:	FOLHA:
		MARCUS IZIDRO	12/5/08	3/20

SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	0,000	0,000					
1	0,000	122,790	10,000	0,000	1227,900	0,000	1227,900
2	0,000	153,860	10,000	0,000	2766,500	0,000	3994,400
3	0,000	119,760	10,000	0,000	2736,200	0,000	6730,600
4	19,720	108,730	10,000	197,200	2284,900	197,200	9015,500
5	59,810	125,680	10,000	795,300	2344,100	992,500	11359,600
<b>VOLUME TOTAL RUA 03</b>				<b>992,500</b>	<b>11359,600</b>		





TÍTULO: PREF. LOUVEIRA - PREC. DE AMPL. DE RUA - VOLUMES - RUA 04			CALCULADO POR: MARCUS IZIDRO		DATA: 12/5/08	FOLHA: 04/20	
SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	0,000	0,000					
1	170,970	0,000	10,000	1709,700	0,000	1709,700	0,000
2	161,410	63,190	10,000	3323,800	631,900	5033,500	631,900
3	35,160	1,550	10,000	1965,700	647,400	6999,200	1279,300
4	37,360	0,000	10,000	725,200	15,500	7724,400	1294,800
5	6,630	12,310	10,000	439,900	123,100	8164,300	1417,900
6	26,300	36,560	10,000	329,300	488,700	8493,600	1906,600
7	66,490	6,830	10,000	927,900	433,900	9421,500	2340,500
8	170,030	11,610	10,000	2365,200	184,400	11786,700	2524,900
9	122,070	12,360	10,000	2921,000	239,700	14707,700	2764,600
10	43,000	21,540	10,000	1650,700	339,000	16358,400	3103,600
11	7,070	28,190	10,000	500,700	497,300	16859,100	3600,900
12	27,210	7,210	10,000	342,800	354,000	17201,900	3954,900
13	23,750	36,720	10,000	509,600	439,300	17711,500	4394,200
14	31,080	50,660	10,000	548,300	873,800	18259,800	5268,000
15	22,110	50,880	10,000	531,900	1015,400	18791,700	6283,400
16	29,560	48,210	10,000	516,700	990,900	19308,400	7274,300
17	15,340	80,520	10,000	449,000	1287,300	19757,400	8561,600
18	4,580	38,250	10,000	199,200	1187,700	19956,600	9749,300
19	32,730	1,120	10,000	373,100	393,700	20329,700	10143,000
20	65,520	0,000	10,000	982,500	11,200	21312,200	10154,200
21	90,550	0,000	10,000	1560,700	0,000	22872,900	10154,200
22	72,450	0,000	10,000	1630,000	0,000	24502,900	10154,200
23	172,720	0,000	10,000	2451,700	0,000	26954,600	10154,200
24	111,140	0,000	10,000	2838,600	0,000	29793,200	10154,200
<b>VOLUME TOTAL RUA 04</b>				<b>29793,200</b>	<b>10154,200</b>		

TÍTULO:	LOTEAMENTO LOUVEIRA VOLUMES - RUA 05	CALCULADO POR:	DATA:	FOLHA:
		MARCUS IZIDRO	12/5/08	05/20

SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	22,630	4,760					
1	36,670	4,780	10,000	593,000	95,400	593,000	95,400
2	47,670	68,760	10,000	843,400	735,400	1436,400	830,800
3	112,110	13,750	10,000	1597,800	825,100	3034,200	1655,900
4	116,520	6,720	10,000	2286,300	204,700	5320,500	1860,600
5	165,100	14,460	10,000	2816,200	211,800	8136,700	2072,400
6	168,520	0,000	10,000	3336,200	144,600	11472,900	2217,000
7	167,330	0,000	10,000	3358,500	0,000	14831,400	2217,000
<b>VOLUME TOTAL RUA 05</b>				<b>14831,400</b>	<b>2217,000</b>		



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TÍTULO: LOTEAMENTO LOUVEIRA VOLUMES - RUA 06			CALCULADO POR: MARCUS IZIDRO		DATA: 12/5/08	FOLHA: 06/20	
SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	0,000	0,000					
1	16,800	8,030	10,000	168,000	80,300	168,000	80,300
2	65,780	52,880	10,000	825,800	609,100	993,800	689,400
3	53,460	41,090	10,000	1192,400	939,700	2186,200	1629,100
4	0,000	86,710	10,000	534,600	1278,000	2720,800	2907,100
<b>VOLUME TOTAL RUA 06</b>				<b>2720,800</b>	<b>2907,100</b>		



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TÍTULO	LOTEAMENTO LOUVEIRA VOLUMES - RUA 07	CALCULADO POR:	DATA:	FOLHA:
		MARCUS IZIDRO	12/5/08	07/20

SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	0,000	0,000					
1	58,280	0,000	10,000	582,800	0,000	582,800	0,000
2	53,160	0,000	10,000	1114,400	0,000	1697,200	0,000
3	69,420	0,000	10,000	1225,800	0,000	2923,000	0,000
4	19,600	0,000	10,000	890,200	0,000	3813,200	0,000
5	103,580	0,000	10,000	1231,800	0,000	5045,000	0,000
6	113,030	0,000	10,000	2166,100	0,000	7211,100	0,000
7	82,860	0,000	10,000	1958,900	0,000	9170,000	0,000
8	109,370	0,000	10,000	1922,300	0,000	11092,300	0,000
9	150,700	0,000	10,000	2600,700	0,000	13693,000	0,000
10	141,140	0,000	10,000	2918,400	0,000	16611,400	0,000
11	114,560	0,000	10,000	2557,000	0,000	19168,400	0,000
12	154,300	0,000	10,000	2688,600	0,000	21857,000	0,000
13	131,800	0,000	10,000	2861,000	0,000	24718,000	0,000
14	0,000	0,980	10,000	1318,000	9,800	26036,000	9,800
<b>VOLUME TOTAL RUA 07</b>				<b>26036,000</b>	<b>9,800</b>		



TÍTULO: LOTEAMENTO LOUVEIRA VOLUMES - RUA 08	CALCULADO POR: MARCUS IZIDRO	DATA: 12/5/08	FOLHA: 08/20
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SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	0,000	0,000					
1	186,320	0,000	10,000	1863,200	0,000	1863,200	0,000
2	140,120	0,000	10,000	3264,400	0,000	5127,600	0,000
3	115,630	19,490	10,000	2557,500	194,900	7685,100	194,900
4	104,950	0,000	10,000	2205,800	194,900	9890,900	389,800
5	122,590	0,000	10,000	2275,400	0,000	12166,300	389,800
6	73,640	3,710	10,000	1962,300	37,100	14128,600	426,900
7	120,690	6,700	10,000	1943,300	104,100	16071,900	531,000
8	122,200	1,060	10,000	2428,900	77,600	18500,800	608,600
9	117,450	25,490	10,000	2396,500	265,500	20897,300	874,100
<b>VOLUME TOTAL RUA 08</b>				<b>20897,300</b>	<b>874,100</b>		





TÍTULO: LOTEAMENTO LOUVEIRA VOLUMES - RUA 09	CALCULADO POR: MARCUS IZIDRO	DATA: 12/5/08	FOLHA: 09/20
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SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	0,000	0,000					
1	161,750	0,000	10,000	1617,500	0,000	1617,500	0,000
2	120,790	76,610	10,000	2825,400	766,100	4442,900	766,100
3	60,500	153,490	10,000	1812,900	2301,000	6255,800	3067,100
4	93,010	260,620	10,000	1535,100	4141,100	7790,900	7208,200
5	1,290	219,460	10,000	943,000	4800,800	8733,900	12009,000
6	26,320	27,500	10,000	276,100	2469,600	9010,000	14478,600
7	143,120	0,000	10,000	1694,400	275,000	10704,400	14753,600
8	231,700	0,000	10,000	3748,200	0,000	14452,600	14753,600
9	165,880	0,000	10,000	3975,800	0,000	18428,400	14753,600
10	205,080	0,000	10,000	3709,600	0,000	22138,000	14753,600
11	147,090	0,000	10,000	3521,700	0,000	25659,700	14753,600
12	66,460	12,260	10,000	2135,500	122,600	27795,200	14876,200
13	1,060	0,070	10,000	675,200	123,300	28470,400	14999,500
<b>VOLUME TOTAL RUA 09</b>				<b>28470,400</b>	<b>14999,500</b>		



TÍTULO: LOTEAMENTO LOUVEIRA  
VOLUMES - RUA 10

CALCULADO POR:  
MARCUS IZIDRO

DATA:  
12/5/08

FOLHA:  
10/20



SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	0,000	0,000					
1	64,540	0,000	10,000	645,400	0,000	645,400	0,000
2	67,580	0,000	10,000	1321,200	0,000	1966,600	0,000
3	6,230	5,180	10,000	738,100	51,800	2704,700	51,800
4	42,140	17,620	10,000	483,700	228,000	3188,400	279,800
5	15,500	7,620	10,000	576,400	252,400	3764,800	532,200
6	36,820	12,560	10,000	523,200	201,800	4288,000	734,000
7	68,700	0,390	10,000	1055,200	129,500	5343,200	863,500
8	77,410	1,310	10,000	1461,100	17,000	6804,300	880,500
9	53,210	28,310	10,000	1306,200	296,200	8110,500	1176,700
10	0,000	104,970	10,000	532,100	1332,800	8642,600	2509,500
11	0,000	46,150	10,000	0,000	1511,200	8642,600	4020,700
12	0,000	27,630	10,000	0,000	737,800	8642,600	4758,500
13	119,600	0,000	10,000	1196,000	276,300	9838,600	5034,800
14	192,000	0,000	10,000	3116,000	0,000	12954,600	5034,800
15	260,840	0,000	10,000	4528,400	0,000	17483,000	5034,800
<b>VOLUME TOTAL RUA 10</b>				<b>17483,000</b>	<b>5034,800</b>		



TÍTULO:	LOTEAMENTO LOUVEIRA VOLUMES - RUA 11	CALCULADO POR:	DATA:	FOLHA:
		MARCUS IZIDRO	12/5/08	11/20

SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	0,000	0,000					
1	77,690	13,800	10,000	776,900	138,000	776,900	138,000
2	91,070	40,090	10,000	1687,600	538,900	2464,500	676,900
3	70,470	30,970	10,000	1615,400	710,600	4079,900	1387,500
4	96,100	12,200	10,000	1665,700	431,700	5745,600	1819,200
5	62,760	23,020	10,000	1588,600	352,200	7334,200	2171,400
6	26,850	1,080	10,000	896,100	241,000	8230,300	2412,400
7	39,600	11,840	10,000	664,500	129,200	8894,800	2541,600
<b>VOLUME TOTAL RUA 11</b>				<b>8894,800</b>	<b>2541,600</b>		



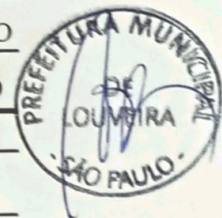
TÍTULO: LOTEAMENTO LOUVEIRA VOLUMES - RUA 12	CALCULADO POR: MARCUS IZIDRO	DATA: 12/5/08	FOLHA: 12/20
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SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	0,000	0,000					
1	0,000	236,860	10,000	0,000	2368,600	0,000	2368,600
2	0,000	260,590	10,000	0,000	4974,500	0,000	7343,100
3	112,620	119,700	10,000	1126,200	3802,900	1126,200	11146,000
4	127,670	51,950	10,000	2402,900	1716,500	3529,100	12862,500
5	145,080	50,970	10,000	2727,500	1029,200	6256,600	13891,700
6	173,720	12,270	10,000	3188,000	632,400	9444,600	14524,100
7	246,950	0,000	10,000	4206,700	122,700	13651,300	14646,800
8	262,340	0,000	10,000	5092,900	0,000	18744,200	14646,800
9	83,060	0,000	10,000	3454,000	0,000	22198,200	14646,800
9+5,16	74,800	0,000	10,000	1578,600	0,000	23776,800	14646,800
<b>VOLUME TOTAL RUA 12</b>				<b>23776,800</b>	<b>14646,800</b>		



TÍTULO: IRPJ	LOTEAMENTO LOUVEIRA VOLUMES - RUA 13	CALCULADO POR: MARCUS IZIDRO	DATA: 12/5/08	FOLHA: 13/20
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SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	0,000	0,000					
1	67,790	13,850	10,000	677,900	138,500	677,900	138,500
2	14,950	38,920	10,000	827,400	527,700	1505,300	666,200
3	0,000	143,940	10,000	149,500	1828,600	1654,800	2494,800
4	0,000	122,270	10,000	0,000	2662,100	1654,800	5156,900
5	5,700	31,850	10,000	57,000	1541,200	1711,800	6698,100
5+6,21	11,570	29,540	10,000	172,700	613,900	1884,500	7312,000
<b>VOLUME TOTAL RUA 13</b>				<b>1884,500</b>	<b>7312,000</b>		



TÍTULO:	LOTEAMENTO LOUVEIRA VOLUMES - RUA 14	CALCULADO POR:	DATA:	FOLHA:
		MARCUS IZIDRO	12/5/08	14/20

SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	0,000	0,000					
1	9,170	27,100	10,000	91,700	271,000	91,700	271,000
2	3,970	32,480	10,000	131,400	595,800	223,100	866,800
3	13,340	0,000	10,000	173,100	324,800	396,200	1191,600
4	19,730	0,000	10,000	330,700	0,000	726,900	1191,600
5	130,920	0,000	10,000	1506,500	0,000	2233,400	1191,600
6	132,450	0,000	10,000	2633,700	0,000	4867,100	1191,600
7	94,720	0,000	10,000	2271,700	0,000	7138,800	1191,600
8	22,380	0,000	10,000	1171,000	0,000	8309,800	1191,600
8+6,77	11,380	0,000	10,000	337,600	0,000	8647,400	1191,600
<b>VOLUME TOTAL RUA 14</b>				<b>8647,400</b>	<b>1191,600</b>		



TÍTULO: LOTEAMENTO LOUVEIRA VOLUMES - RUA 15	CALCULADO POR: MARCUS IZIDRO	DATA: 12/5/08	FOLHA: 15/20
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SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	78,130	0,000					
1	77,470	0,000	10,000	1556,000	0,000	1556,000	0,000
2	56,400	0,630	10,000	1338,700	6,300	2894,700	6,300
3	77,540	0,000	10,000	1339,400	6,300	4234,100	12,600
4	99,030	0,000	10,000	1765,700	0,000	5999,800	12,600
5	111,630	0,000	10,000	2106,600	0,000	8106,400	12,600
6	95,940	0,210	10,000	2075,700	2,100	10182,100	14,700
7	87,040	2,340	10,000	1829,800	25,500	12011,900	40,200
8	106,170	5,580	10,000	1932,100	79,200	13944,000	119,400
9	109,680	0,030	10,000	2158,500	56,100	16102,500	175,500
10	112,990	0,000	10,000	2226,700	0,300	18329,200	175,800
11	112,910	0,000	10,000	2259,000	0,000	20588,200	175,800
12	81,900	9,180	10,000	1948,100	91,800	22536,300	267,600
13	12,710	30,250	10,000	946,100	394,300	23482,400	661,900
<b>VOLUME TOTAL RUA 15</b>				<b>23482,400</b>	<b>661,900</b>		

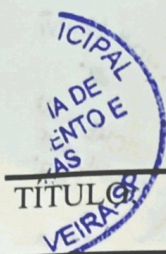


TÍTULO:	LOTEAMENTO LOUVEIRA VOLUMES - RUA 16	CALCULADO POR:	DATA:	FOLHA:
		MARCUS IZIDRO	12/5/08	16/20

SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	0,000	0,000					
1	206,350	0,000	10,000	2063,500	0,000	2063,500	0,000
2	82,030	10,620	10,000	2883,800	106,200	4947,300	106,200
3	69,200	44,990	10,000	1512,300	556,100	6459,600	662,300
4	77,420	87,690	10,000	1466,200	1326,800	7925,800	1989,100
5	8,430	79,950	10,000	858,500	1676,400	8784,300	3665,500
6	0,000	289,710	10,000	84,300	3696,600	8868,600	7362,100
7	0,600	75,990	10,000	6,000	3657,000	8874,600	11019,100
8	1,170	16,010	10,000	17,700	920,000	8892,300	11939,100
9	0,000	7,110	10,000	11,700	231,200	8904,000	12170,300
<b>VOLUME TOTAL RUA 16</b>				<b>8904,000</b>	<b>12170,300</b>		







TÍTULO	LOTEAMENTO LOUVEIRA VOLUMES - RUA 17	CALCULADO POR: MARCUS IZIDRO	DATA: 12/5/08	FOLHA: 17/20
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SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	0,000	0,000					
1	6,940	3,340	10,000	69,400	33,400	69,400	33,400
2	30,380	0,000	10,000	373,200	33,400	442,600	66,800
3	50,520	0,000	10,000	809,000	0,000	1251,600	66,800
4	12,980	2,070	10,000	635,000	20,700	1886,600	87,500
5	4,760	12,750	10,000	177,400	148,200	2064,000	235,700
6	0,000	26,800	10,000	47,600	395,500	2111,600	631,200
7	0,000	43,180	10,000	0,000	699,800	2111,600	1331,000
8	0,000	45,240	10,000	0,000	884,200	2111,600	2215,200
9	0,160	14,050	10,000	1,600	592,900	2113,200	2808,100
<b>VOLUME TOTAL RUA 17</b>				<b>2113,200</b>	<b>2808,100</b>		



TÍTULO: LOTEAMENTO LOUVEIRA VOLUMES - AVENIDA 01	CALCULADO POR: MARCUS IZIDRO	DATA: 12/5/08	FOLHA: 18/20
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SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	1,520	43,260					
1	75,370	0,000	10,000	768,900	432,600	768,900	432,600
2	118,050	0,000	10,000	1934,200	0,000	2703,100	432,600
3	129,170	0,000	10,000	2472,200	0,000	5175,300	432,600
4	70,700	0,000	10,000	1998,700	0,000	7174,000	432,600
5	185,980	0,000	10,000	2566,800	0,000	9740,800	432,600
6	165,450	0,000	10,000	3514,300	0,000	13255,100	432,600
7	121,530	0,000	10,000	2869,800	0,000	16124,900	432,600
8	111,220	0,000	10,000	2327,500	0,000	18452,400	432,600
9	123,150	0,000	10,000	2343,700	0,000	20796,100	432,600
10	42,870	16,230	10,000	1660,200	162,300	22456,300	594,900
11	24,050	2,900	10,000	669,200	191,300	23125,500	786,200
<b>VOLUME TOTAL AVENIDA 01</b>				<b>23125,500</b>	<b>786,200</b>		



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TÍTULO: PRAÇA 01	LOTEAMENTO LOUVEIRA VOLUMES - PRAÇA 01	CALCULADO POR: MARCUS IZIDRO	DATA: 12/5/08	FOLHA: 19/20
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SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	30,190	0,000					
1	14,250	4,340	10,000	444,400	43,400	444,400	43,400
2	49,160	17,550	10,000	634,100	218,900	1078,500	262,300
3	99,810	0,000	10,000	1489,700	175,500	2568,200	437,800
4	55,080	0,000	10,000	1548,900	0,000	4117,100	437,800
5	45,270	0,000	10,000	1003,500	0,000	5120,600	437,800
5+11,1	30,710	1,030	10,000	759,800	10,300	5880,400	448,100
<b>VOLUME TOTAL PRAÇA 01</b>				<b>5880,400</b>	<b>448,100</b>		

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TÍTULO: LOTEAMENTO LOUVEIRA VOLUMES - PRAÇA 02	CALCULADO POR: MARCUS IZIDRO	DATA: 12/5/08	FOLHA: 20/20
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SEÇÃO	ÁREAS (m <sup>2</sup> )		DISTÂNCIA MÉDIA (m)	VOLUMES (m <sup>3</sup> )		VOLUME ACUMULADO	
	CORTE	ATERRO		CORTE	ATERRO	CORTE	ATERRO
0	91,900	0,000					
1	53,250	0,000	10,000	1451,500	0,000	1451,500	0,000
2	18,180	0,000	10,000	714,300	0,000	2165,800	0,000
3	85,070	0,000	10,000	1032,500	0,000	3198,300	0,000
4	12,340	4,480	10,000	974,100	44,800	4172,400	44,800
5	62,320	0,000	10,000	746,600	44,800	4919,000	89,600
VOLUME TOTAL PRAÇA 02				4919,000	89,600		



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TÍTULO: LOTEAMENTO LOUVEIRA VOLUME TOTAL	CALCULADO POR: MARCUS IZIDRO	DATA: 12/5/08	FOLHA: 20/20
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**VOLUME TOTAL**

RUAS	CORTE	ATERRO
RUA 01	19180,300	2637,100
RUA 02	17963,900	8635,600
RUA 03	992,500	11359,600
RUA 04	29793,200	10154,200
RUA 05	14831,400	2217,000
RUA 06	2720,800	2907,100
RUA 07	26036,000	9,800
RUA 08	20897,300	874,100
RUA 09	28470,400	14999,500
RUA 10	17483,000	5034,800
RUA 11	8894,800	2541,600
RUA 12	23776,800	14646,800
RUA 13	1884,500	7312,000
RUA 14	8647,400	1191,600
RUA 15	23482,400	661,900
RUA 16	8904,000	12170,300
RUA 17	2113,200	2808,100
AVENIDA 01	23125,500	786,200
PRAÇA 01	5880,400	448,100
PRAÇA 02	4919,000	89,600
<b>TOTAL</b> VOLUMES GEOMETRICOS	<b>289996,800</b>	<b>101485,000</b>



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TÍTULO: LOTEAMENTO LOUVEIRA ÁREA DE LIMPEZA-TALUDE	CALCULADO POR: MARCUS IZIDRO	DATA: 12/5/08	FOLHA: 20/20
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**ÁREA DE LIMPEZA**

ÁREA DE LIMPEZA	CORTE	ATERRO	TOTAL
TOTAL ÁREA DE LIMPEZA	115933,830	77847,020	193780,850

**ÁREA DE TALUDE**

ÁREA DE TALUDE	TALUDE
TOTAL ÁREA DE TALUDE	3023,280

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**APROVADA**  
Secretaria de Planejamento e Obras  
PREFEITURA MUNICIPAL DE LOUVEIRA

Em 27/05/2009

JOSE MARIA DREZZA  
SECRETÁRIO DE PLANEJAMENTO E OBRAS  
ENG CIVIL CREA 0691179654

Processo n.º 757/2007