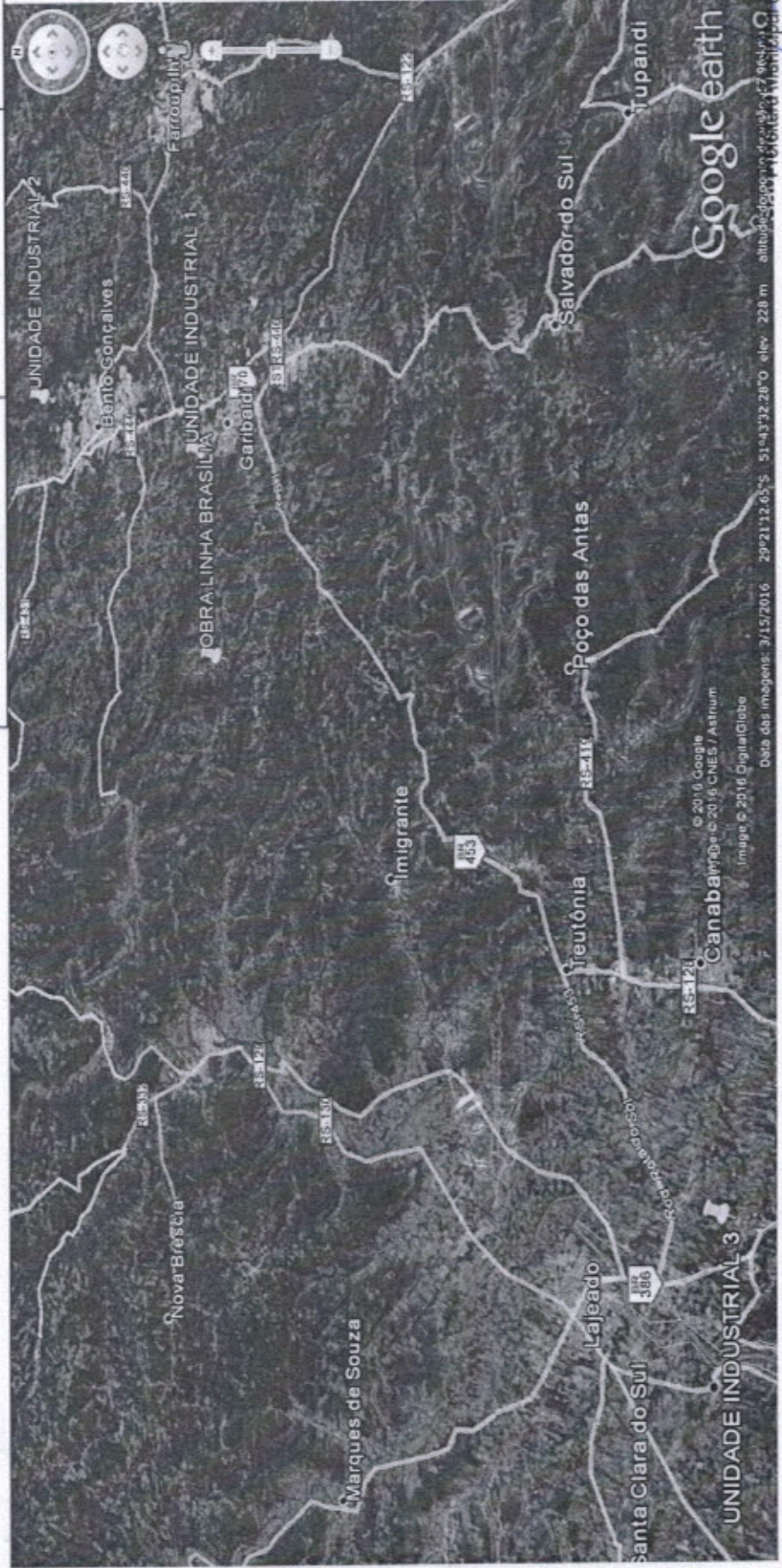




PREFEITURA MUNICIPAL DE CORONEL PILAR- RS
PAVIMENTAÇÃO ASFÁLTICA - ESTRADA LINHA BRASÍLIA

INDICAÇÃO DE USINA DE CBUQ E USINA DE BASE DE BRITA GRADUADA LICENCIADAS PELA FEPAM

Obra	Coordenadas	DMT	Fornecedor	Coordenadas	DMT
Obra Estrada Linha Brasília	29°15'17.42"S	0	Unidade Industrial 1	51°55'1.39"O	18,00
	51°39'28.53"O		Unidade Industrial 2	51°32'38.02"O	46,40
			Unidade Industrial 3	29° 7'40.50"S	57,00
			DMT média	51°29'40.64"O	40,47
			DMT adotada	29°31'17.54"S	40,00
				51°55'1.39"O	40,00

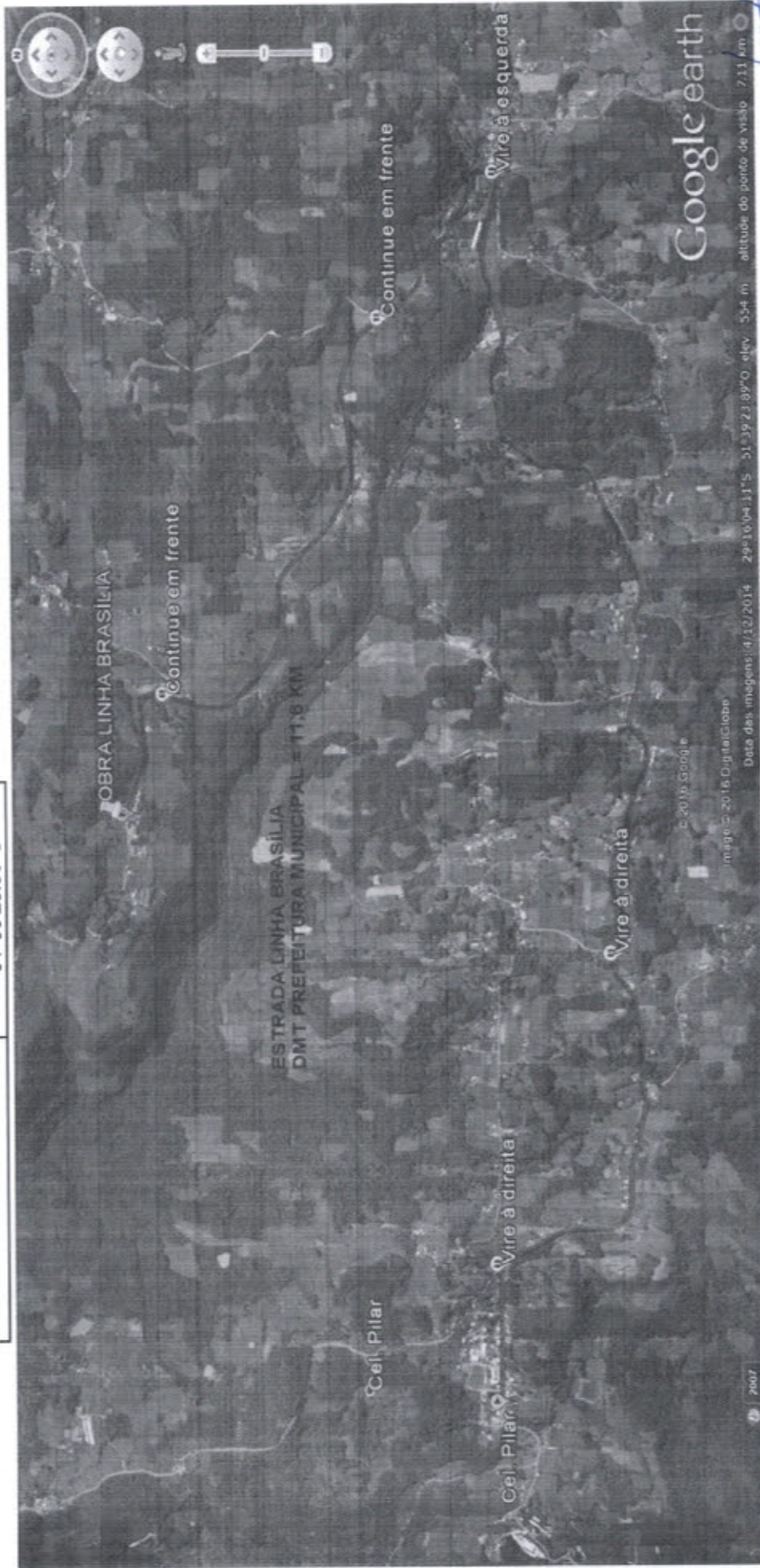




PREFEITURA MUNICIPAL DE CORONEL PILAR - RS
SECRETARIA MUNICIPAL DE OBRAS
PAVIMENTAÇÃO ASFÁLTICA - ESTRADA LINHA BRASÍLIA

LOCALIZAÇÃO

Obra	Coordenadas
Obra Estrada Linha Brasília	29°15'17,42"S 51°39'28,53"O





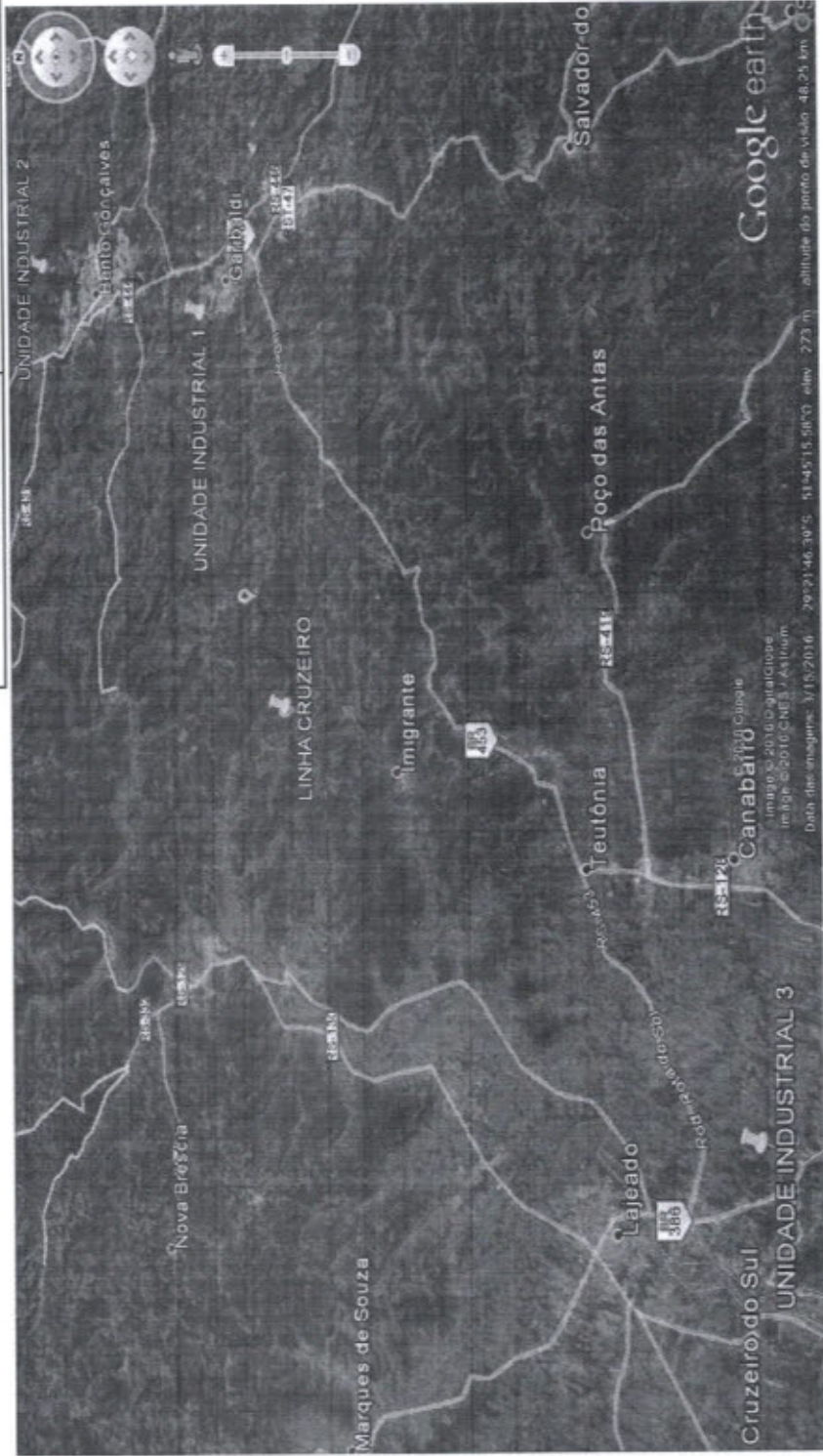
PREFEITURA MUNICIPAL DE CORONEL PILAR - RS

PAVIMENTAÇÃO ASFÁLTICA - ESTRADA GERAL DE LINHA SÃO JOSÉ A LINHA CRUZEIRO

INDICAÇÃO DE USINA DE CBUQ E USINA DE BASE DE BRITA GRADUADA LICENCIADAS PELA FEPAM

Obra	Coordenadas	DMT
Obra Estrada Linha Cruzeiro	29°17'52.70"S 51°44'40.06"O	0

Fornecedor	Coordenadas	DMT
Unidade Industrial 1	51°55'1.39"O 51°32'38.02"O	29,20
Unidade Industrial 2	29°7'40.50"S 51°29'40.64"O	55,50
Unidade Industrial 3	29°31'17.54"S 51°55'1.39"O	44,70
DMT média		43,13
DMT adotada		40,00

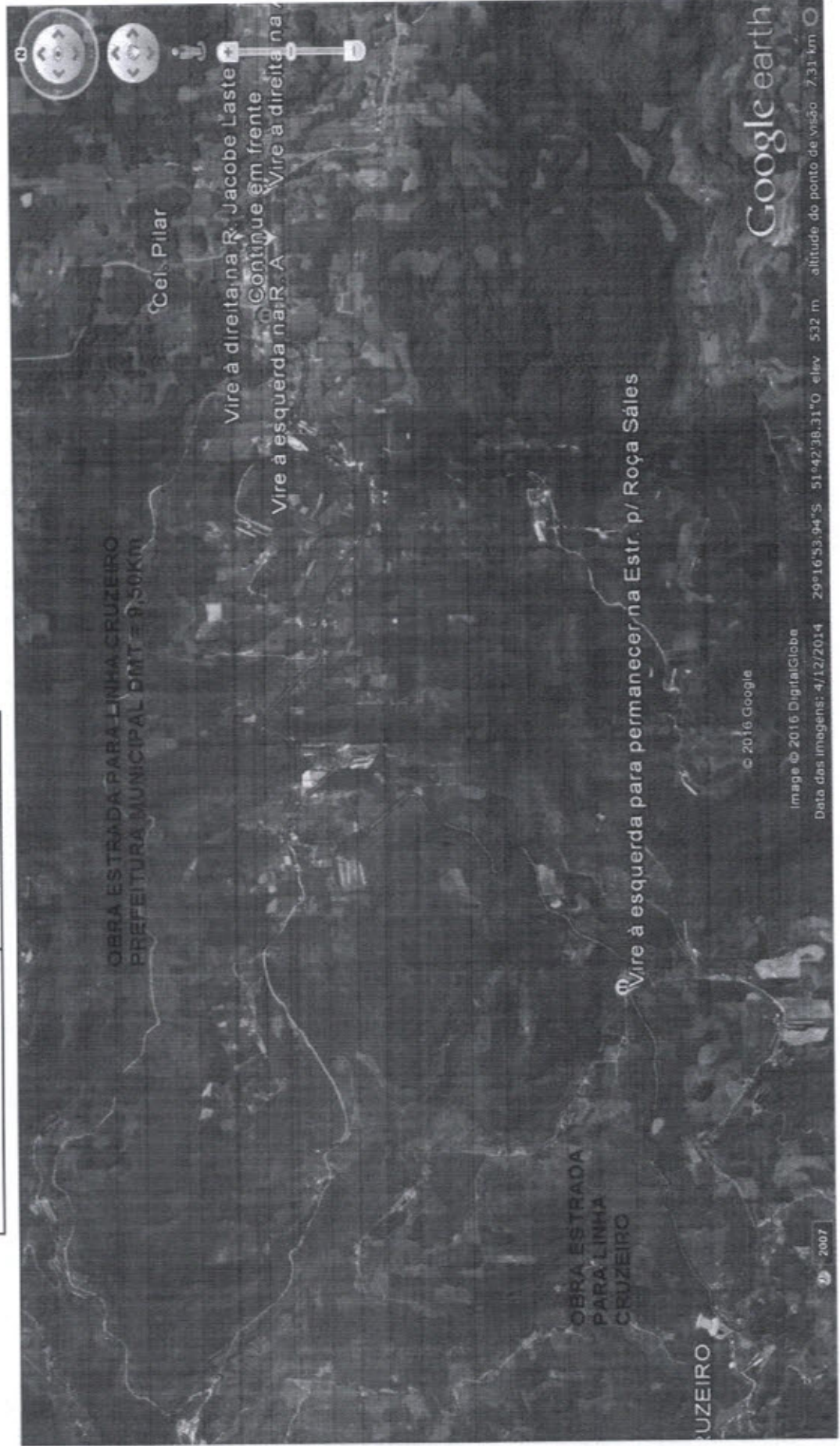




PREFEITURA MUNICIPAL DE CORONEL PILAR - RS
PAVIMENTAÇÃO ASFÁLTICA - ESTRADA GERAL DE LINHA SÃO JOSÉ A LINHA CRUZEIRO

LOCALIZAÇÃO

Obra	Coordenadas
Obra Estrada Linha Cruzeiro	29°17'52.70"S
	51°44'40.06"O



Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Km	Área Corte	Área Aterro	Semi-Dis.	Vol.Corte	Vol.Aterro
0+60,000	0,726	0,002			
			10,000	8,900	4,110
0+80,000	0,164	0,409			
			10,000	1,640	25,680
0+100,000	0,000	2,159			
			10,000	23,560	24,840
0+120,000	2,356	0,325			
			8,665	35,836	4,315
0+137,329	1,780	0,173			
			1,336	5,398	0,339
0+140,000	2,262	0,081			
			10,000	38,740	0,810
0+160,000	1,612	0,000			
			10,000	23,410	1,080
0+180,000	0,729	0,108			
			5,712	8,625	1,497
0+191,424	0,781	0,154			
			4,288	6,599	1,239
0+200,000	0,758	0,135			
			5,709	6,697	3,071
0+211,418	0,415	0,403			
			4,291	3,742	2,926
0+220,000	0,457	0,279			
			10,000	23,110	27,790
0+240,000	1,854	2,500			
			10,000	43,570	50,370
0+260,000	2,503	2,537			
			10,000	45,460	56,300
0+280,000	2,043	3,093			
			10,000	27,520	33,040
0+300,000	0,709	0,211			
			3,038	4,065	1,000
0+306,076	0,629	0,118			
			6,962	11,014	1,810
0+320,000	0,953	0,142			
			2,258	3,008	1,185
0+324,516	0,379	0,383			
			7,742	4,126	9,213
0+340,000	0,154	0,807			
			10,000	1,620	13,700
0+360,000	0,008	0,563			
			5,801	7,976	3,295
0+371,602	1,367	0,005			
			1,905	4,576	0,301
0+375,412	1,035	0,153			
			2,294	5,311	1,844
0+380,000	1,280	0,651			
			10,000	64,320	24,860
0+400,000	5,152	1,835			

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Km	Área Corte	Área Aterro	Semi-Dis.	Vol.Corte	Vol.Aterro
0+400,000	5,152	1,835			
			10,000	118,440	33,950
0+420,000	6,692	1,560			
			10,000	91,650	56,120
0+440,000	2,473	4,052			
			10,000	28,320	51,460
0+460,000	0,359	1,094			
			2,719	0,976	6,066
0+465,438	0,000	1,137			
			2,898	0,000	8,423
0+471,233	0,000	1,770			
			4,384	1,420	14,382
0+480,000	0,324	1,511			
			10,000	10,860	23,460
0+500,000	0,762	0,835			
			4,588	5,574	4,198
0+509,176	0,453	0,080			
			3,793	3,743	0,364
0+516,761	0,534	0,016			
			1,620	1,461	0,245
0+520,000	0,368	0,135			
			10,000	3,680	16,980
0+540,000	0,000	1,563			
			1,407	0,000	4,781
0+542,813	0,000	1,836			
			8,594	2,260	33,566
0+560,000	0,263	2,070			
			1,091	0,579	4,603
0+562,182	0,268	2,149			
			8,909	2,388	39,191
0+580,000	0,000	2,250			

	Corte	Aterro
Áreas	42,6020 m ²	39,284 m ²
Volumes	680,174 m ³	592,404 m ³

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Km	Área Corte	Área Aterro	Semi-Dis.	Vol.Corte	Vol.Aterro
1	2,417	0,000			
			10,000	39,530	1,750
1+20,000	1,536	0,175			
			9,370	24,792	7,767
1+38,739	1,110	0,654			
			0,631	1,340	0,907
1+40,000	1,015	0,785			
			5,000	10,950	6,480
1+50,000	1,175	0,511			
			5,000	9,530	4,775
1+60,000	0,731	0,444			
			1,838	3,025	1,488
1+63,675	0,915	0,366			
			7,092	7,127	13,212
1+77,859	0,090	1,497			
			1,071	0,116	3,760
1+80,000	0,018	2,015			
			5,000	0,090	24,735
1+90,000	0,000	2,932			
			5,000	0,000	37,105
1+100,000	0,000	4,489			
			10,000	0,000	82,250
1+120,000	0,000	3,736			
			4,033	6,037	24,057
1+128,066	1,497	2,229			
			5,967	34,740	19,840
1+140,000	4,325	1,096			
			10,000	142,770	10,990
1+160,000	9,952	0,003			
			8,768	153,975	19,044
1+177,536	7,609	2,169			
			1,232	18,898	6,135
1+180,000	7,730	2,811			
			10,000	84,120	81,380
1+200,000	0,682	5,327			
			3,725	4,168	41,130
1+207,449	0,437	5,716			
			6,276	4,594	74,145
1+220,000	0,295	6,099			
			10,000	39,040	108,220
1+240,000	3,609	4,723			
			0,804	6,220	7,592
1+241,608	4,127	4,720			
			8,481	68,967	95,233
1+258,570	4,005	6,509			
			0,715	5,518	9,370
1+260,000	3,713	6,596			
			10,000	47,180	144,140
1+280,000	1,005	7,818			



Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Km	Área Corte	Área Aterro	Semi-Dis.	Vol.Corte	Vol.Aterro
1+280,000	1,005	7,818			
			1,875	3,493	28,498
1+283,750	0,858	7,381			
			8,125	11,846	97,866
1+300,000	0,600	4,664			
			10,000	13,380	71,790
1+320,000	0,738	2,515			
			5,066	5,035	22,643
1+330,131	0,256	1,955			
			4,935	2,694	21,514
1+340,000	0,290	2,405			
			10,000	2,970	60,520
1+360,000	0,007	3,647			
			0,094	0,001	0,644
1+360,187	0,009	3,236			
			9,907	0,089	61,609
1+380,000	0,000	2,983			
			10,000	0,170	54,170
1+400,000	0,017	2,434			
			9,644	7,619	52,926
1+419,288	0,773	3,054			
			0,356	0,576	2,158
1+420,000	0,845	3,008			
			10,000	57,820	57,240
1+440,000	4,937	2,716			
			10,000	74,650	49,520
1+460,000	2,528	2,236			
			10,000	28,920	24,150
1+480,000	0,364	0,179			
			10,000	18,720	1,790
1+500,000	1,508	0,000			
			10,000	62,530	0,180
1+520,000	4,745	0,018			
			10,000	94,910	1,100
1+540,000	4,746	0,092			
			10,000	82,680	1,450
1+560,000	3,522	0,053			
			1,257	8,244	0,101
1+562,513	3,039	0,027			
			8,617	52,874	0,233
1+579,747	3,097	0,000			
			0,127	0,787	0,000
1+580,000	3,127	0,000			
			10,000	81,040	0,000
1+600,000	4,977	0,000			
			10,000	79,630	0,000
1+620,000	2,986	0,000			
			9,616	28,712	13,548
1+639,231	0,000	1,409			



Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Km	Área Corte	Área Aterro	Semi-Dis.	Vol.Corte	Vol.Aterro
1+639,231	0,000	1,409			
			0,385	0,000	1,170
1+640,000	0,000	1,635			
			10,000	0,000	84,710
1+660,000	0,000	6,836			
			10,000	0,000	147,470
1+680,000	0,000	7,911			
			10,000	0,000	101,980
1+700,000	0,000	2,287			
			10,000	1,190	35,630
1+720,000	0,119	1,276			
			10,000	4,660	21,670
1+740,000	0,347	0,891			
			10,000	5,200	19,360
1+760,000	0,173	1,045			
			8,878	1,536	22,513
1+777,755	0,000	1,491			
			1,123	0,000	3,381
1+780,000	0,000	1,521			
			10,000	0,000	23,880
1+800,000	0,000	0,867			
			10,000	6,120	14,210
1+820,000	0,612	0,554			

	Corte	Aterro
Áreas	103,2130 m ²	143,746 m ²
Volumes	1.450,823 m ³	1.925,129 m ³

