

14.0 – VOLUMES E ELEMENTOS DE LOCAÇÃO

Volume do Eixo – 01

Estaca	Área Corte	Área Aterro	Volume Corte	Volume Aterro	Acumulado Corte	Acumulado Aterro
0+000,000	0,000	0,000				
0+010,000	0,000	0,000	0,000	0,000	0,000	0,000
0+020,000	0,000	0,000	0,000	0,000	0,000	0,000
0+030,000	0,000	0,175	0,000	0,873	0,000	0,873
0+040,000	0,000	0,291	0,000	2,328	0,000	3,202
0+050,000	0,000	0,437	0,000	3,640	0,000	6,841
0+060,000	0,000	0,611	0,000	5,242	0,000	12,084
0+070,000	0,000	0,810	0,000	7,106	0,000	19,190
0+080,000	0,000	0,966	0,000	8,879	0,000	28,069
0+090,000	0,000	1,125	0,000	10,455	0,000	38,525
0+100,000	0,000	1,276	0,000	12,002	0,000	50,527
0+110,000	0,000	1,631	0,000	14,532	0,000	65,059
0+120,000	4,125	1,711	20,627	16,708	20,627	81,767
0+130,000	26,438	1,830	152,819	17,703	173,446	99,470
0+140,000	32,408	1,973	294,231	19,014	467,678	118,484
0+150,000	5,364	1,986	188,861	19,796	656,539	138,280
0+160,000	0,096	1,210	27,299	15,983	683,839	154,263
0+170,000	1,885	0,521	9,901	8,656	693,740	162,919
0+180,000	1,516	0,586	17,003	5,533	710,743	168,451
0+190,000	1,410	0,533	14,630	5,593	725,373	174,045
0+200,000	1,471	0,296	14,403	4,146	739,777	178,191
0+210,000	2,113	0,000	17,918	1,481	757,695	179,671
0+220,000	2,077	0,000	20,950	0,000	778,644	179,671
0+230,000	2,073	0,000	20,748	0,000	799,393	179,671
0+240,000	1,071	0,325	15,718	1,626	815,111	181,298
0+250,000	0,908	0,904	9,894	6,147	825,005	187,444
0+260,000	0,789	1,009	8,485	9,567	833,489	197,012
0+270,000	0,704	1,525	7,468	12,674	840,957	209,685
0+280,000	0,619	2,428	6,615	19,768	847,573	229,453
0+290,000	0,512	1,970	5,652	21,990	853,225	251,444
0+300,000	0,465	0,447	4,886	12,082	858,111	263,525
0+310,000	0,000	0,000	2,327	2,233	860,437	265,758
0+320,000	0,000	0,000	0,000	0,000	860,437	265,758
0+330,000	0,000	0,000	0,000	0,000	860,437	265,758
0+340,000	0,000	0,000	0,000	0,000	860,437	265,758
0+348,805	0,000	0,000	0,000	0,000	860,437	265,758
			Total corte >		860,437	
				Total Aterro >		318,910

Estaca	Área Corte	Área Aterro	Volume Corte	Volume Aterro	Acumulado Corte	Acumulado Aterro
2+000,000	0,000	0,000				
2+010,000	0,000	0,000	0,000	0,000	0,000	0,000
2+020,000	0,000	0,000	0,000	0,000	0,000	0,000
2+030,000	0,000	0,000	0,000	0,000	0,000	0,000
2+040,000	0,000	0,422	0,000	2,112	0,000	2,112
2+050,000	0,000	0,646	0,000	5,343	0,000	7,455
2+060,000	0,000	0,630	0,000	6,379	0,000	13,834
2+070,000	0,000	0,833	0,000	7,313	0,000	21,147
2+080,000	0,000	0,994	0,000	9,135	0,000	30,282
2+090,000	0,000	1,160	0,000	10,772	0,000	41,054
2+100,000	0,000	1,332	0,000	12,461	0,000	53,515
2+110,000	0,000	1,650	0,000	14,911	0,000	68,426
2+120,000	0,000	1,612	0,000	16,312	0,000	84,738
2+130,000	0,000	1,792	0,000	17,020	0,000	101,758
2+140,000	0,000	2,761	0,000	22,763	0,000	124,521
2+150,000	0,000	2,116	0,000	24,386	0,000	148,907
2+160,000	0,000	3,628	0,000	28,721	0,000	177,629
2+170,000	0,000	2,410	0,000	30,191	0,000	207,819
2+180,000	0,000	2,572	0,000	24,913	0,000	232,732
2+190,000	0,000	8,046	0,000	53,093	0,000	285,825
2+200,000	0,000	2,849	0,000	54,475	0,000	340,299
2+210,000	0,000	2,827	0,000	28,380	0,000	368,679
2+220,000	0,000	2,832	0,000	28,295	0,000	396,975
2+230,000	0,000	2,689	0,000	27,603	0,000	424,577
2+240,000	0,000	0,000	0,000	13,445	0,000	438,022
2+250,000	1,909	0,000	9,547	0,000	9,547	438,022
2+260,000	1,784	0,000	18,467	0,000	28,014	438,022
2+270,000	1,602	0,000	16,929	0,000	44,943	438,022
2+280,000	1,397	0,000	14,994	0,000	59,937	438,022
2+290,000	1,056	0,000	12,264	0,000	72,201	438,022
2+300,000	0,755	0,000	9,052	0,000	81,254	438,022
2+310,000	0,496	0,000	6,253	0,000	87,507	438,022
2+320,000	0,298	0,000	3,971	0,000	91,478	438,022
2+330,000	0,000	0,000	1,490	0,000	92,968	438,022
2+340,000	0,000	0,000	0,000	0,000	92,968	438,022
2+350,000	0,000	0,000	0,000	0,000	92,968	438,022
2+350,162	0,000	0,000	0,000	0,000	92,968	438,022
			Total corte >		92,968	
				Total Aterro >		525,626

NOTA DE SERVIÇO - GEOMETRIA- EIXO-01

KM	LOCALIZAÇÃO		ELEMENTOS VERTICAIS	
	COORDENADAS		COTAS (m)	
	X (m)	Y (m)	TERRENO	PROJETO
1	2	3	4	5
0+000,000	565.447,397	6.932.515,463	BORDO PISTA	BORDO PISTA
0+010,000	565.447,855	6.932.505,474	BORDO PISTA	BORDO PISTA
0+020,000	565.448,314	6.932.495,484	BORDO PISTA	BORDO PISTA
0+030,000	565.448,772	6.932.485,495	BORDO PISTA	BORDO PISTA
0+040,000	565.449,230	6.932.475,505	BORDO PISTA	BORDO PISTA
0+050,000	565.449,688	6.932.465,516	BORDO PISTA	BORDO PISTA
0+060,000	565.450,146	6.932.455,526	BORDO PISTA	BORDO PISTA
0+070,000	565.450,605	6.932.445,537	BORDO PISTA	BORDO PISTA
0+080,000	565.451,063	6.932.435,547	BORDO PISTA	BORDO PISTA
0+090,000	565.451,521	6.932.425,558	BORDO PISTA	BORDO PISTA
0+100,000	565.451,979	6.932.415,568	BORDO PISTA	BORDO PISTA
0+110,000	565.452,437	6.932.405,579	BORDO PISTA	BORDO PISTA
0+120,000	565.452,896	6.932.395,589	BORDO PISTA	BORDO PISTA
0+130,000	565.453,354	6.932.385,600	BORDO PISTA	BORDO PISTA
0+140,000	565.453,812	6.932.375,610	BORDO PISTA	BORDO PISTA
0+150,000	565.454,270	6.932.365,621	BORDO PISTA	BORDO PISTA
0+160,000	565.454,728	6.932.355,631	BORDO PISTA	BORDO PISTA
0+170,000	565.455,187	6.932.345,642	BORDO PISTA	BORDO PISTA
0+180,000	565.455,645	6.932.335,652	BORDO PISTA	BORDO PISTA
0+190,000	565.456,103	6.932.325,663	BORDO PISTA	BORDO PISTA
0+200,000	565.456,561	6.932.315,673	BORDO PISTA	BORDO PISTA
0+210,000	565.457,019	6.932.305,684	BORDO PISTA	BORDO PISTA
0+220,000	565.457,478	6.932.295,694	BORDO PISTA	BORDO PISTA
0+230,000	565.457,936	6.932.285,705	BORDO PISTA	BORDO PISTA
0+240,000	565.458,394	6.932.275,716	BORDO PISTA	BORDO PISTA
0+250,000	565.458,852	6.932.265,726	BORDO PISTA	BORDO PISTA
0+260,000	565.459,310	6.932.255,736	BORDO PISTA	BORDO PISTA
0+270,000	565.459,769	6.932.245,747	BORDO PISTA	BORDO PISTA
0+280,000	565.460,227	6.932.235,757	BORDO PISTA	BORDO PISTA
0+290,000	565.460,685	6.932.225,768	BORDO PISTA	BORDO PISTA
0+300,000	565.461,143	6.932.215,778	BORDO PISTA	BORDO PISTA
0+310,000	565.461,601	6.932.205,789	BORDO PISTA	BORDO PISTA
0+320,000	565.462,060	6.932.195,799	BORDO PISTA	BORDO PISTA
0+330,000	565.462,518	6.932.185,810	BORDO PISTA	BORDO PISTA
0+340,000	565.462,976	6.932.175,820	BORDO PISTA	BORDO PISTA
0+348,805	565.463,380	6.932.167,025	BORDO PISTA	BORDO PISTA

NOTA DE SERVIÇO - GEOMETRIA- EIXO-02

LOCALIZAÇÃO

ELEMENTOS VERTICAIS

KM	COORDENADAS		COTAS (m)	
	X (m)	Y (m)	TERRENO	PROJETO
1	2	3	4	5
2+000,000	565.450,700	6.932.596,000	BORDO PISTA	BORDO PISTA
2+010,000	565.451,200	6.932.586,000	BORDO PISTA	BORDO PISTA
2+020,000	565.451,600	6.932.576,000	BORDO PISTA	BORDO PISTA
2+030,000	565.452,100	6.932.566,000	BORDO PISTA	BORDO PISTA
2+040,000	565.452,600	6.932.556,000	BORDO PISTA	BORDO PISTA
2+050,000	565.453,000	6.932.546,000	BORDO PISTA	BORDO PISTA
2+060,000	565.453,500	6.932.536,000	BORDO PISTA	BORDO PISTA
2+070,000	565.453,900	6.932.526,000	BORDO PISTA	BORDO PISTA
2+080,000	565.454,400	6.932.516,000	BORDO PISTA	BORDO PISTA
2+090,000	565.454,800	6.932.506,000	BORDO PISTA	BORDO PISTA
2+100,000	565.455,300	6.932.496,000	BORDO PISTA	BORDO PISTA
2+110,000	565.455,800	6.932.486,000	BORDO PISTA	BORDO PISTA
2+120,000	565.456,200	6.932.476,000	BORDO PISTA	BORDO PISTA
2+130,000	565.456,700	6.932.466,000	BORDO PISTA	BORDO PISTA
2+140,000	565.457,100	6.932.456,000	BORDO PISTA	BORDO PISTA
2+150,000	565.457,600	6.932.446,000	BORDO PISTA	BORDO PISTA
2+160,000	565.458,100	6.932.436,000	BORDO PISTA	BORDO PISTA
2+170,000	565.458,500	6.932.426,000	BORDO PISTA	BORDO PISTA
2+180,000	565.459,000	6.932.416,000	BORDO PISTA	BORDO PISTA
2+190,000	565.459,400	6.932.406,000	BORDO PISTA	BORDO PISTA
2+200,000	565.459,900	6.932.396,000	BORDO PISTA	BORDO PISTA
2+210,000	565.460,300	6.932.386,000	BORDO PISTA	BORDO PISTA
2+220,000	565.460,800	6.932.376,000	BORDO PISTA	BORDO PISTA
2+230,000	565.461,300	6.932.366,000	BORDO PISTA	BORDO PISTA
2+240,000	565.461,700	6.932.356,000	BORDO PISTA	BORDO PISTA
2+250,000	565.462,200	6.932.346,000	BORDO PISTA	BORDO PISTA
2+260,000	565.462,600	6.932.336,000	BORDO PISTA	BORDO PISTA
2+270,000	565.463,100	6.932.326,000	BORDO PISTA	BORDO PISTA
2+280,000	565.463,500	6.932.316,000	BORDO PISTA	BORDO PISTA
2+290,000	565.464,000	6.932.306,000	BORDO PISTA	BORDO PISTA
2+300,000	565.464,500	6.932.296,000	BORDO PISTA	BORDO PISTA
2+310,000	565.464,900	6.932.286,000	BORDO PISTA	BORDO PISTA
2+320,000	565.465,400	6.932.276,000	BORDO PISTA	BORDO PISTA
2+330,000	565.465,800	6.932.266,000	BORDO PISTA	BORDO PISTA
2+340,000	565.466,300	6.932.256,000	BORDO PISTA	BORDO PISTA
2+350,000	565.466,800	6.932.246,000	BORDO PISTA	BORDO PISTA
2+350,162	565.466,800	6.932.246,000	BORDO PISTA	BORDO PISTA

**NOTA DE SERVIÇO
TERRAPLENAGEM EXO_01**

KM	EIXO			LADO DIREITO				
	COTA (m)			BORDO			OFFSET	
	TERRENO	PROJETO	VERMELHA	DIST. (m)	COTA (m)	RAMPA (%)	DIST. (m)	COTA (m)
0+030,000	Bordo Pista	Bordo Pista	0,000	3,102	904,024	-2,0	3,161	903,985
0+040,000	Bordo Pista	Bordo Pista	0,000	3,703	904,041	-2,0	3,770	903,996
0+050,000	Bordo Pista	Bordo Pista	0,000	4,304	904,057	-2,0	4,399	903,994
0+060,000	Bordo Pista	Bordo Pista	0,000	4,904	904,074	-2,0	5,023	903,995
0+070,000	Bordo Pista	Bordo Pista	0,000	5,500	904,091	-2,0	5,639	903,998
0+080,000	Bordo Pista	Bordo Pista	0,000	5,500	904,119	-2,0	5,680	903,999
0+090,000	Bordo Pista	Bordo Pista	0,000	5,500	904,148	-2,0	5,723	904,000
0+100,000	Bordo Pista	Bordo Pista	0,000	5,500	904,177	-2,0	5,766	904,000
0+110,000	Bordo Pista	Bordo Pista	0,000	6,642	904,183	-2,0	6,760	904,104
0+120,000	Bordo Pista	Bordo Pista	0,000	11,650	904,111	-2,0	12,568	905,029
0+130,000	Bordo Pista	Bordo Pista	0,000	25,261	903,868	-2,0	27,240	905,846
0+140,000	Bordo Pista	Bordo Pista	0,000	27,117	903,859	-2,0	29,465	906,207
0+150,000	Bordo Pista	Bordo Pista	0,000	12,125	904,188	-2,0	13,454	905,517
0+160,000	Bordo Pista	Bordo Pista	0,000	6,821	904,322	-2,0	7,227	904,728
0+170,000	Bordo Pista	Bordo Pista	0,000	5,500	904,377	-2,0	5,792	904,183
0+180,000	Bordo Pista	Bordo Pista	0,000	5,500	904,406	-2,0	5,824	904,190
0+190,000	Bordo Pista	Bordo Pista	0,000	5,500	904,435	-2,0	5,825	904,218
0+200,000	Bordo Pista	Bordo Pista	0,000	5,500	904,463	-2,0	5,811	904,256
0+210,000	Bordo Pista	Bordo Pista	0,000	5,500	904,492	-2,0	5,874	904,866
0+220,000	Bordo Pista	Bordo Pista	0,000	5,500	904,521	-2,0	5,877	904,898
0+230,000	Bordo Pista	Bordo Pista	0,000	5,500	904,549	-2,0	5,889	904,939
0+240,000	Bordo Pista	Bordo Pista	0,000	5,500	904,578	-2,0	5,680	904,458
0+250,000	Bordo Pista	Bordo Pista	0,000	5,500	904,607	-2,0	6,368	904,028
0+260,000	Bordo Pista	Bordo Pista	0,000	5,500	904,635	-2,0	6,463	903,994
0+270,000	Bordo Pista	Bordo Pista	0,000	5,500	904,664	-2,0	7,157	903,559
0+280,000	Bordo Pista	Bordo Pista	0,000	5,428	904,694	-2,0	8,217	902,835
0+290,000	Bordo Pista	Bordo Pista	0,000	4,828	904,735	-2,0	7,750	902,787
0+300,000	Bordo Pista	Bordo Pista	0,000	4,228	904,776	-2,0	5,453	903,959

**NOTA DE SERVIÇO
TERRAPLENAGEM EIXO_02**

KM	LADO ESQUERDO					EIXO		
	OFFSET		RAMPA (%)	BORDO		COTA (m)		
	DIST. (m)	COTA (m)		DIST. (m)	COTA (m)	TERRENO	PROJETO	VERMELHA
2+040,000	4,060	903,798	-2,0	3,700	904,038	Bordo Pista	Bordo Pista	0,000
2+050,000	4,733	903,766	-2,0	4,300	904,055	Bordo Pista	Bordo Pista	0,000
2+060,000	5,007	904,000	-2,0	4,900	904,071	Bordo Pista	Bordo Pista	0,000
2+070,000	5,632	904,000	-2,0	5,500	904,088	Bordo Pista	Bordo Pista	0,000
2+080,000	5,675	904,000	-2,0	5,500	904,117	Bordo Pista	Bordo Pista	0,000
2+090,000	5,718	904,000	-2,0	5,500	904,145	Bordo Pista	Bordo Pista	0,000
2+100,000	5,761	904,000	-2,0	5,500	904,174	Bordo Pista	Bordo Pista	0,000
2+110,000	5,898	903,938	-2,0	5,500	904,203	Bordo Pista	Bordo Pista	0,000
2+120,000	5,846	904,001	-2,0	5,500	904,231	Bordo Pista	Bordo Pista	0,000
2+130,000	5,937	903,969	-2,0	5,500	904,260	Bordo Pista	Bordo Pista	0,000
2+140,000	6,738	903,464	-2,0	5,500	904,289	Bordo Pista	Bordo Pista	0,000
2+150,000	5,981	903,997	-2,0	5,500	904,317	Bordo Pista	Bordo Pista	0,000
2+160,000	6,221	903,866	-2,0	5,500	904,346	Bordo Pista	Bordo Pista	0,000
2+170,000	6,047	904,010	-2,0	5,500	904,375	Bordo Pista	Bordo Pista	0,000
2+180,000	6,093	904,008	-2,0	5,500	904,403	Bordo Pista	Bordo Pista	0,000
2+190,000	8,715	902,289	-2,0	5,500	904,432	Bordo Pista	Bordo Pista	0,000
2+200,000	6,168	904,016	-2,0	5,500	904,461	Bordo Pista	Bordo Pista	0,000
2+210,000	6,161	904,056	-2,0	5,500	904,489	Bordo Pista	Bordo Pista	0,000
2+220,000	6,150	904,085	-2,0	5,500	904,518	Bordo Pista	Bordo Pista	0,000
2+230,000	6,147	904,116	-2,0	5,500	904,547	Bordo Pista	Bordo Pista	0,000
2+240,000	6,208	904,104	-2,0	5,500	904,575	Bordo Pista	Bordo Pista	0,000
2+250,000	5,882	904,986	-2,0	5,500	904,604	Bordo Pista	Bordo Pista	0,000
2+260,000	5,868	905,001	-2,0	5,500	904,633	Bordo Pista	Bordo Pista	0,000
2+270,000	5,839	905,001	-2,0	5,500	904,661	Bordo Pista	Bordo Pista	0,000
2+280,000	5,742	905,000	-2,0	5,433	904,691	Bordo Pista	Bordo Pista	0,000
2+290,000	5,102	905,000	-2,0	4,833	904,732	Bordo Pista	Bordo Pista	0,000
2+300,000	4,461	905,000	-2,0	4,233	904,773	Bordo Pista	Bordo Pista	0,000
2+310,000	3,820	905,000	-2,0	3,633	904,813	Bordo Pista	Bordo Pista	0,000
2+320,000	3,071	904,892	-2,0	3,033	904,854	Bordo Pista	Bordo Pista	0,000