

Estaca	Lado Esquerdo									Eixo				Lado Direito								
	Offset			Fundo do Valetão			Lateral			Cota	Cota	Cumeeira		Lateral			Fundo do Valetão		Offset			
	Dist.	Cota	Altura	Distância		Cota	Dist.	Cota	%			Dist.	Cota	Dist.	Cota	%	Distância	Cota	Dist.	Cota	Altura	
				Externo	Interna					Terreno	Projeto											Interna
-25+13,130	-7,926	388,877	1,426	-6,500	-6,000	387,451	-3,750	388,951	-3,00	388,333	389,064			3,750	388,951	-3,00	6,000	6,500	387,451	6,919	387,870	0,419
-24	-8,112	389,053	1,612	-6,500	-6,000	387,441	-3,750	388,941	-3,00	388,499	389,054			3,750	388,941	-3,00	6,000	6,500	387,441	6,863	387,804	0,363
-24+6,872	-7,484	389,164	1,734	-5,750	-5,250	387,430	-3,750	388,930	-3,00	388,792	389,043			3,750	388,930	-3,00	6,000	6,500	387,430	7,406	388,336	0,906
-23	-8,023	389,684	2,273	-5,750	-5,250	387,411	-3,750	388,911	-3,00	389,351	389,024			3,750	388,911	-3,00	5,250	5,750	387,411	7,450	389,111	1,700
-22	-9,021	390,652	3,271	-5,750	-5,250	387,381	-3,750	388,881	-3,00	390,213	388,994			3,750	388,881	-3,00	5,250	5,750	387,381	8,262	389,892	2,511
-21	-9,546	391,147	3,796	-5,750	-5,250	387,351	-3,750	388,851	-3,00	390,566	388,964			3,750	388,851	-3,00	5,250	5,750	387,351	8,634	390,235	2,884
-20	-8,655	390,226	2,905	-5,750	-5,250	387,321	-3,750	388,821	-3,00	389,733	388,934			3,750	388,821	-3,00	5,250	5,750	387,321	7,925	389,496	2,175
-19	-8,361	389,902	2,611	-5,750	-5,250	387,291	-3,750	388,791	-3,00	389,970	388,904			3,750	388,791	-3,00	5,250	5,750	387,291	7,677	389,218	1,927
-18	-7,679	389,190	1,929	-5,750	-5,250	387,261	-3,750	388,761	-3,00	388,770	388,874			3,750	388,761	-3,00	6,000	6,500	387,261	7,593	388,354	1,093
-17	-7,066	387,797	0,566	-6,500	-6,000	387,231	-3,750	388,731	-3,00	387,361	388,844			3,750	388,731	-3,00				6,001	387,230	-0,001
-16	-7,619	386,122	-1,079				-3,750	388,701	-3,00	385,722	388,814			3,750	388,701	-3,00				7,087	386,477	-0,724
-16+8,959	-8,316	385,643	-1,544				-3,750	388,687	-3,00	385,144	388,800			3,750	388,687	-3,00				8,528	385,502	-1,685
-15	-9,169	385,058	-2,113				-3,750	388,671	-3,00	384,431	388,784			3,750	388,671	-3,00				10,387	384,246	-2,925
-14	-10,183	384,352	-2,789				-3,750	388,641	-3,00	383,482	388,754			3,750	388,641	-3,00				11,874	383,225	-3,916
-14+18,959	-10,160	384,339	-2,773				-3,750	388,612	-3,00	383,438	388,725			3,750	388,612	-3,00				12,330	382,892	-4,220
-13	-10,163	384,335	-2,776				-3,750	388,611	-3,00	383,435	388,724			3,750	388,611	-3,00				12,363	382,869	-4,242
-12	-10,875	383,831	-3,250				-3,750	388,581	-3,00	382,922	388,694			3,750	388,581	-3,00				12,966	382,437	-4,644
-11	-10,806	383,847	-3,204				-3,750	388,551	-3,00	383,085	388,664			3,750	388,551	-3,00				12,832	382,497	-4,554
-10	-11,117	383,610	-3,411				-3,750	388,521	-3,00	382,616	388,634			3,750	388,521	-3,00				13,035	382,331	-4,690
-9	-11,864	383,082	-3,909				-3,750	388,491	-3,00	382,236	388,604			3,750	388,491	-3,00				13,464	382,015	-4,976
-8	-13,621	381,881	-5,080				-3,750	388,461	-3,00	381,342	388,574			3,750	388,461	-3,00				14,797	381,096	-5,865
-7	-14,055	381,561	-5,370				-3,750	388,431	-3,00	380,792	388,544			3,750	388,431	-3,00				15,532	380,576	-6,355
-6	-15,556	380,530	-6,371				-3,750	388,401	-3,00	380,381	388,514			3,750	388,401	-3,00				15,973	380,252	-6,649
-5	-16,117	380,127	-6,744				-3,750	388,371	-3,00	380,176	388,484			3,750	388,371	-3,00				15,851	380,303	-6,568
-4	-17,005	379,505	-7,336				-3,750	388,341	-3,00	379,948	388,454			3,750	388,341	-3,00				15,977	380,190	-6,651
-3	-15,646	380,380	-6,431				-3,750	388,311	-3,00	380,434	388,424			3,750	388,311	-3,00				15,507	380,473	-6,338
-2	-15,173	380,666	-6,115				-3,750	388,281	-3,00	379,861	388,394			3,750	388,281	-3,00				16,236	379,957	-6,824
-1	-17,536	379,061	-7,690				-3,750	388,251	-3,00	379,176	388,364			3,750	388,251	-3,00				16,880	379,498	-7,253
0	-15,657	380,283	-6,438				-3,750	388,221	-3,00	380,392	388,334			3,750	388,221	-3,00				15,731	380,234	-6,487

Estaca	Lado Esquerdo									Eixo				Lado Direito								
	Offset			Fundo do Valetão			Lateral			Cota	Cota	Cumeeira		Lateral			Fundo do Valetão		Offset			
	Dist.	Cota	Altura	Distância		Cota	Dist.	Cota	%			Dist.	Cota	Dist.	Cota	%	Distância		Cota	Dist.	Cota	Altura
				Externo	Interna					Interna	Externa											
									Terreno	Projeto												
0+18,236	-13,047	381,995	-4,698				-3,750	388,193	-3,00	382,623	388,306			3,750	388,193	-3,00				13,487	381,701	-4,992
1	-12,795	382,161	-4,530				-3,750	388,191	-3,00	382,840	388,304			3,750	388,191	-3,00				13,269	381,845	-4,846
2	-10,251	383,830	-2,834				-3,750	388,164	-3,00	383,941	388,277			3,750	388,164	-3,00				10,287	383,806	-2,858
3	-7,940	385,349	-1,293				-3,750	388,142	-3,00	385,450	388,255			3,750	388,142	-3,00				7,861	385,401	-1,241
4	-6,022	386,610	-0,015				-3,750	388,125	-3,00	386,698	388,238			3,750	388,125	-3,00				6,093	386,563	-0,062
5	-7,620	387,733	1,120	-6,500	-6,000	386,613	-3,750	388,113	-3,00	387,813	388,226			3,750	388,113	-3,00	6,000	6,500	386,613	7,704	387,817	1,204
6	-8,044	388,901	2,294	-5,750	-5,250	386,607	-3,750	388,107	-3,00	389,015	388,220			3,750	388,107	-3,00	5,250	5,750	386,607	8,004	388,861	2,254
7	-8,905	389,760	3,155	-5,750	-5,250	386,605	-3,750	388,105	-3,00	390,012	388,218			3,750	388,105	-3,00	5,250	5,750	386,605	8,949	389,804	3,199
8	-7,852	390,836	3,427	-4,425	-3,925	387,409	-3,750	388,109	-3,00	390,685	388,222			3,750	388,109	-3,00	3,925	4,425	387,409	7,736	390,721	3,312
9	-8,634	391,628	4,210	-4,425	-3,925	387,418	-3,750	388,118	-3,00	391,680	388,231			3,750	388,118	-3,00	3,925	4,425	387,418	8,291	391,284	3,866
10	-9,856	392,862	5,430	-4,425	-3,925	387,432	-3,750	388,132	-3,00	392,255	388,245			3,750	388,132	-3,00	3,925	4,425	387,432	8,876	391,883	4,451
11	-10,413	393,439	5,988	-4,425	-3,925	387,451	-3,750	388,151	-3,00	392,804	388,264			3,750	388,151	-3,00	3,925	4,425	387,451	9,068	392,094	4,643
12	-9,982	393,032	5,557	-4,425	-3,925	387,475	-3,750	388,175	-3,00	392,604	388,288			3,750	388,175	-3,00	3,925	4,425	387,475	9,294	392,345	4,870
13	-10,398	393,477	5,973	-4,425	-3,925	387,504	-3,750	388,204	-3,00	392,398	388,317			3,750	388,204	-3,00	3,925	4,425	387,504	5,909	388,988	1,484
14	-10,265	393,377	5,839	-4,425	-3,925	387,538	-3,750	388,238	-3,00	392,580	388,351			3,750	388,238	-3,00	3,925	4,425	387,538	9,013	392,126	4,588
15	-9,536	392,689	5,111	-4,425	-3,925	387,578	-3,750	388,278	-3,00	392,080	388,391			3,750	388,278	-3,00	3,925	4,425	387,578	8,459	391,611	4,033
16	-8,480	391,677	4,055	-4,425	-3,925	387,622	-3,750	388,322	-3,00	391,354	388,435			3,750	388,322	-3,00	3,925	4,425	387,622	7,810	391,007	3,385
17	-6,650	389,897	2,225	-4,425	-3,925	387,672	-3,750	388,372	-3,00	389,228	388,485			3,750	388,372	-3,00	3,925	4,425	387,672	5,877	389,124	1,452
18	-8,346	389,523	2,596	-5,750	-5,250	386,927	-3,750	388,427	-3,00	388,800	388,540			3,750	388,427	-3,00	5,250	5,750	386,927	7,298	388,475	1,548
19	-7,353	387,840	0,853	-6,500	-6,000	386,987	-3,750	388,487	-3,00	388,121	388,600			3,750	388,487	-3,00	6,000	6,500	386,987	7,266	387,752	0,765
20	-6,775	387,327	0,275	-6,500	-6,000	387,052	-3,750	388,552	-3,00	387,039	388,665			3,750	388,552	-3,00				6,266	386,875	-0,177
21	-6,874	386,540	-0,582				-3,750	388,622	-3,00	385,509	388,735			3,750	388,622	-3,00				10,326	384,238	-2,884
22	-8,417	385,585	-1,612				-3,750	388,697	-3,00	384,153	388,810			3,750	388,697	-3,00				8,544	385,501	-1,696
23	-9,512	384,937	-2,341				-3,750	388,778	-3,00	385,416	388,891			3,750	388,778	-3,00				7,422	386,330	-0,948
24	-7,019	386,684	-0,679				-3,750	388,863	-3,00	385,988	388,976			3,750	388,863	-3,00				7,326	386,479	-0,884
25	-6,720	387,674	0,220	-6,500	-6,000	387,454	-3,750	388,954	-3,00	387,537	389,067			3,750	388,954	-3,00				6,455	387,151	-0,303
26	-7,462	388,511	0,962	-6,500	-6,000	387,549	-3,750	389,049	-3,00	388,663	389,162			3,750	389,049	-3,00	6,000	6,500	387,549	7,544	388,593	1,044
27	-7,513	389,413	1,763	-5,750	-5,250	387,650	-3,750	389,150	-3,00	389,544	389,263			3,750	389,150	-3,00	5,250	5,750	387,650	7,550	389,450	1,800
28	-6,290	390,421	1,865	-4,425	-3,925	388,556	-3,750	389,256	-3,00	390,616	389,369			3,750	389,256	-3,00	3,925	4,425	388,556	6,497	390,628	2,072

Estaca	Lado Esquerdo									Eixo				Lado Direito								
	Offset			Fundo do Valetão			Lateral			Cota	Cota	Cumeeira		Lateral			Fundo do Valetão			Offset		
	Dist.	Cota	Altura	Distância		Cota	Dist.	Cota	%			Dist.	Cota	Dist.	Cota	%	Distância		Cota	Dist.	Cota	Altura
				Externo	Interna					Interna	Externa											
29	-6,689	390,932	2,265	-4,425	-3,925	388,667	-3,750	389,367	-3,00	390,827	389,480			3,750	389,367	-3,00	3,925	4,425	388,667	7,166	391,407	2,740
30	-7,360	391,718	2,935	-4,425	-3,925	388,783	-3,750	389,483	-3,00	391,857	389,596			3,750	389,483	-3,00	3,925	4,425	388,783	7,872	392,231	3,448
31	-8,102	392,581	3,677	-4,425	-3,925	388,904	-3,750	389,604	-3,00	392,617	389,717			3,750	389,604	-3,00	3,925	4,425	388,904	9,076	393,555	4,651
32	-8,859	393,465	4,434	-4,425	-3,925	389,031	-3,750	389,731	-3,00	393,614	389,844			3,750	389,731	-3,00	3,925	4,425	389,031	9,675	394,281	5,250
33	-9,567	394,304	5,142	-4,425	-3,925	389,162	-3,750	389,862	-3,00	394,763	389,975			3,750	389,862	-3,00	3,925	4,425	389,162	11,033	395,770	6,608
34	-11,433	396,307	7,008	-4,425	-3,925	389,299	-3,750	389,999	-3,00	396,397	390,112			3,750	389,999	-3,00	3,925	4,425	389,299	12,057	396,931	7,632
35	-13,455	398,471	9,031	-4,425	-3,925	389,440	-3,750	390,140	-3,00	398,423	390,253			3,750	390,140	-3,00	3,925	4,425	389,440	13,771	398,786	9,346
36	-14,119	399,281	9,694	-4,425	-3,925	389,587	-3,750	390,287	-3,00	399,910	390,400			3,750	390,287	-3,00	3,925	4,425	389,587	15,377	400,539	10,952
37	-15,880	401,194	11,455	-4,425	-3,925	389,739	-3,750	390,439	-3,00	401,503	390,552			3,750	390,439	-3,00	3,925	4,425	389,739	16,952	402,267	12,528
38	-15,857	401,328	11,432	-4,425	-3,925	389,896	-3,750	390,596	-3,00	401,872	390,709			3,750	390,596	-3,00	3,925	4,425	389,896	17,303	402,774	12,878
39	-15,811	401,444	11,386	-4,425	-3,925	390,058	-3,750	390,758	-3,00	401,418	390,871			3,750	390,758	-3,00	3,925	4,425	390,058	17,056	402,689	12,631
40	-13,832	399,632	9,407	-4,425	-3,925	390,225	-3,750	390,925	-3,00	398,709	391,038			3,750	390,925	-3,00	3,925	4,425	390,225	13,916	399,716	9,491
41	-11,987	397,960	7,562	-4,425	-3,925	390,398	-3,750	391,098	-3,00	398,169	391,211			3,750	391,098	-3,00	3,925	4,425	390,398	13,345	399,318	8,920
42	-12,808	398,957	8,382	-4,425	-3,925	390,575	-3,750	391,275	-3,00	397,924	391,388			3,750	391,275	-3,00	3,925	4,425	390,575	11,262	397,412	6,837
43	-13,303	399,636	8,878	-4,425	-3,925	390,758	-3,750	391,458	-3,00	397,850	391,571			3,750	391,458	-3,00	3,925	4,425	390,758	10,436	396,769	6,011
44	-12,744	399,264	8,319	-4,425	-3,925	390,945	-3,750	391,645	-3,00	397,676	391,758			3,750	391,645	-3,00	3,925	4,425	390,945	10,183	396,703	5,758
44+10,002	-12,933	399,550	8,509	-4,425	-3,925	391,041	-3,750	391,741	-3,00	397,790	391,854			3,750	391,741	-3,00	3,925	4,425	391,041	10,195	396,811	5,770
45	-12,893	399,606	8,468	-4,425	-3,925	391,138	-3,750	391,838	-3,00	397,886	391,951			3,750	391,838	-3,00	3,925	4,425	391,138	10,207	396,920	5,782
45+18,236	-10,179	397,071	5,753	-4,425	-3,925	391,318	-3,750	392,018	-3,00	395,990	392,131			3,750	392,018	-3,00	3,925	4,425	391,318	8,194	395,087	3,769
46	-9,925	396,836	5,500	-4,425	-3,925	391,336	-3,750	392,036	-3,00	395,805	392,149			3,750	392,036	-3,00	3,925	4,425	391,336	8,259	395,169	3,833
47	-7,617	394,728	3,192	-4,425	-3,925	391,536	-3,750	392,236	-3,00	394,265	392,349			3,750	392,236	-3,00	3,925	4,425	391,536	6,567	393,678	2,142