

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												
-15	-7,919	391,361	3,495	-4,425	-3,925	387,866	-3,750	388,566	-3,00	391,692	388,679			3,750	388,566	-3,00	3,925	4,425	387,866	8,353	391,794	3,928
-15+11,707	-8,207	391,660	3,782	-4,425	-3,925	387,878	-3,750	388,578	-3,00	392,082	388,691			3,750	388,578	-3,00	3,925	4,425	387,878	8,827	392,280	4,402
-14	-8,433	391,894	4,008	-4,425	-3,925	387,886	-3,750	388,586	-3,00	392,351	388,699			3,750	388,586	-3,00	3,925	4,425	387,886	9,268	392,729	4,843
-13	-8,458	391,938	4,032	-4,425	-3,925	387,906	-3,750	388,606	-3,00	392,200	388,719			3,750	388,606	-3,00	3,925	4,425	387,906	8,963	392,444	4,538
-12	-8,068	391,570	3,644	-4,425	-3,925	387,926	-3,750	388,626	-3,00	391,608	388,739			3,750	388,626	-3,00	3,925	4,425	387,926	8,149	391,650	3,724
-11	-7,606	391,127	3,181	-4,425	-3,925	387,946	-3,750	388,646	-3,00	391,170	388,759			3,750	388,646	-3,00	3,925	4,425	387,946	7,808	391,329	3,383
-10	-9,336	390,752	3,586	-5,750	-5,250	387,166	-3,750	388,666	-3,00	390,069	388,779			3,750	388,666	-3,00	5,250	5,750	387,166	8,382	389,798	2,632
-9	-9,200	390,636	3,450	-5,750	-5,250	387,186	-3,750	388,686	-3,00	390,382	388,799			3,750	388,686	-3,00	5,250	5,750	387,186	8,588	390,024	2,838
-8	-8,107	389,563	2,357	-5,750	-5,250	387,206	-3,750	388,706	-3,00	389,714	388,819			3,750	388,706	-3,00	5,250	5,750	387,206	7,868	389,324	2,118
-7	-8,062	388,788	1,562	-6,500	-6,000	387,226	-3,750	388,726	-3,00	388,567	388,839			3,750	388,726	-3,00	6,000	6,500	387,226	7,438	388,164	0,938
-6	-7,086	387,832	0,586	-6,500	-6,000	387,246	-3,750	388,746	-3,00	387,362	388,859			3,750	388,746	-3,00				6,203	387,111	-0,135
-6+0,946	-7,045	387,792	0,545	-6,500	-6,000	387,247	-3,750	388,747	-3,00	387,325	388,860			3,750	388,747	-3,00				6,279	387,061	-0,186
-5	-6,628	386,847	-0,419				-3,750	388,766	-3,00	386,572	388,879			3,750	388,766	-3,00				7,657	386,161	-1,105
-4	-6,646	387,432	0,146	-6,500	-6,000	387,286	-3,750	388,786	-3,00	387,114	388,899			3,750	388,786	-3,00				6,565	386,909	-0,377
-3	-8,048	388,854	1,548	-6,500	-6,000	387,306	-3,750	388,806	-3,00	388,732	388,919			3,750	388,806	-3,00	6,000	6,500	387,306	7,584	388,390	1,084
-2	-7,977	388,803	1,477	-6,500	-6,000	387,326	-3,750	388,826	-3,00	388,634	388,939			3,750	388,826	-3,00	6,000	6,500	387,326	7,476	388,302	0,976
-2+10,946	-7,353	388,190	0,853	-6,500	-6,000	387,337	-3,750	388,837	-3,00	388,010	388,950			3,750	388,837	-3,00	6,000	6,500	387,337	6,908	387,745	0,408
-1	-6,953	387,799	0,453	-6,500	-6,000	387,346	-3,750	388,846	-3,00	387,502	388,959			3,750	388,846	-3,00				6,128	387,261	-0,085
0	-6,146	387,269	-0,097				-3,750	388,866	-3,00	387,057	388,979			3,750	388,866	-3,00				6,896	386,769	-0,597
1	-8,105	385,983	-1,403				-3,750	388,886	-3,00	385,589	388,999			3,750	388,886	-3,00				9,625	384,969	-2,417
2	-6,960	386,766	-0,640				-3,750	388,906	-3,00	386,702	389,019			3,750	388,906	-3,00				7,164	386,630	-0,776
3	-6,625	387,551	0,125	-6,500	-6,000	387,426	-3,750	388,926	-3,00	387,457	389,039			3,750	388,926	-3,00				6,066	387,382	-0,044
4	-7,931	388,877	1,431	-6,500	-6,000	387,446	-3,750	388,946	-3,00	388,796	389,059			3,750	388,946	-3,00	6,000	6,500	387,446	7,750	388,696	1,250
5	-7,933	389,649	2,183	-5,750	-5,250	387,466	-3,750	388,966	-3,00	389,747	389,079			3,750	388,966	-3,00	5,250	5,750	387,466	8,166	389,882	2,416
6	-7,340	391,201	2,915	-4,425	-3,925	388,286	-3,750	388,986	-3,00	391,265	389,099			3,750	388,986	-3,00	3,925	4,425	388,286	7,556	391,417	3,131
7	-9,285	393,166	4,860	-4,425	-3,925	388,306	-3,750	389,006	-3,00	393,039	389,119			3,750	389,006	-3,00	3,925	4,425	388,306	8,922	392,803	4,497
8	-10,413	394,314	5,988	-4,425	-3,925	388,326	-3,750	389,026	-3,00	394,199	389,139			3,750	389,026	-3,00	3,925	4,425	388,326	10,171	394,072	5,746
9	-11,717	395,638	7,292	-4,425	-3,925	388,346	-3,750	389,046	-3,00	395,560	389,159			3,750	389,046	-3,00	3,925	4,425	388,346	11,596	395,517	7,171
10	-12,390	396,331	7,965	-4,425	-3,925	388,366	-3,750	389,066	-3,00	396,458	389,179			3,750	389,066	-3,00	3,925	4,425	388,366	12,616	396,556	8,190

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
				Externo	Interna					Interna	Externa											
									Terreno	Projeto												
11	-12,678	396,639	8,253	-4,425	-3,925	388,386	-3,750	389,086	-3,00	396,734	389,199			3,750	389,086	-3,00	3,925	4,425	388,386	12,819	396,780	8,394
12	-12,802	396,783	8,377	-4,425	-3,925	388,406	-3,750	389,106	-3,00	396,975	389,219			3,750	389,106	-3,00	3,925	4,425	388,406	13,187	397,169	8,763
13	-13,465	397,466	9,040	-4,425	-3,925	388,426	-3,750	389,126	-3,00	397,572	389,239			3,750	389,126	-3,00	3,925	4,425	388,426	13,683	397,683	9,257
14	-13,805	397,826	9,380	-4,425	-3,925	388,446	-3,750	389,146	-3,00	398,045	389,259			3,750	389,146	-3,00	3,925	4,425	388,446	14,153	398,173	9,727
15	-14,160	398,201	9,735	-4,425	-3,925	388,466	-3,750	389,166	-3,00	398,585	389,279			3,750	389,166	-3,00	3,925	4,425	388,466	14,856	398,896	10,430
16	-14,419	398,480	9,994	-4,425	-3,925	388,486	-3,750	389,186	-3,00	398,812	389,299			3,750	389,186	-3,00	3,925	4,425	388,486	15,161	399,222	10,736
17	-14,455	398,536	10,030	-4,425	-3,925	388,506	-3,750	389,206	-3,00	398,850	389,319			3,750	389,206	-3,00	3,925	4,425	388,506	15,161	399,242	10,736
17+4,446	-14,365	398,450	9,940	-4,425	-3,925	388,510	-3,750	389,210	-3,00	398,768	389,323			3,750	389,210	-3,00	3,925	4,425	388,510	15,055	399,141	10,631
18	-13,997	398,098	9,572	-4,425	-3,925	388,526	-3,750	389,226	-3,00	398,472	389,339			3,750	389,226	-3,00	3,925	4,425	388,526	14,675	398,775	10,249
19	-13,104	397,225	8,679	-4,425	-3,925	388,546	-3,750	389,246	-3,00	397,488	389,359			3,750	389,246	-3,00	3,925	4,425	388,546	13,578	397,698	9,152
20	-12,501	396,642	8,076	-4,425	-3,925	388,566	-3,750	389,266	-3,00	396,704	389,379			3,750	389,266	-3,00	3,925	4,425	388,566	12,624	396,765	8,199
21	-11,922	396,083	7,497	-4,425	-3,925	388,586	-3,750	389,286	-3,00	395,824	389,399			3,750	389,286	-3,00	3,925	4,425	388,586	11,575	395,736	7,150
21+14,446	-10,546	394,723	6,121	-4,425	-3,925	388,602	-3,750	389,302	-3,00	394,366	389,415			3,750	389,302	-3,00	3,925	4,425	388,602	10,271	394,448	5,846
22	-10,035	394,220	5,610	-4,425	-3,925	388,610	-3,750	389,310	-3,00	393,806	389,423			3,750	389,310	-3,00	3,925	4,425	388,610	9,698	393,883	5,273
23	-8,292	392,506	3,866	-4,425	-3,925	388,640	-3,750	389,340	-3,00	392,553	389,453			3,750	389,340	-3,00	3,925	4,425	388,640	8,390	392,605	3,965
24	-7,525	391,778	3,100	-4,425	-3,925	388,678	-3,750	389,378	-3,00	391,686	389,491			3,750	389,378	-3,00	3,925	4,425	388,678	7,366	391,618	2,940
25	-8,275	390,449	2,525	-5,750	-5,250	387,924	-3,750	389,424	-3,00	390,406	389,537			3,750	389,424	-3,00	5,250	5,750	387,924	8,598	390,772	2,848
26	-8,366	390,592	2,616	-5,750	-5,250	387,976	-3,750	389,476	-3,00	390,150	389,589			3,750	389,476	-3,00	5,250	5,750	387,976	7,615	389,841	1,865
27	-8,273	390,559	2,523	-5,750	-5,250	388,036	-3,750	389,536	-3,00	390,406	389,649			3,750	389,536	-3,00	5,250	5,750	388,036	8,085	390,371	2,335
28	-8,794	391,146	3,044	-5,750	-5,250	388,102	-3,750	389,602	-3,00	391,075	389,715			3,750	389,602	-3,00	5,250	5,750	388,102	8,660	391,011	2,909
28+4,256	-8,907	391,275	3,157	-5,750	-5,250	388,118	-3,750	389,618	-3,00	391,203	389,731			3,750	389,618	-3,00	5,250	5,750	388,118	8,813	391,181	3,063
29	-9,322	391,748	3,572	-5,750	-5,250	388,176	-3,750	389,676	-3,00	391,676	389,789			3,750	389,676	-3,00	5,250	5,750	388,176	9,306	391,732	3,556
30	-7,781	392,414	3,356	-4,425	-3,925	389,058	-3,750	389,758	-3,00	392,258	389,871			3,750	389,758	-3,00	3,925	4,425	389,058	7,568	392,200	3,142
31	-7,945	392,666	3,520	-4,425	-3,925	389,146	-3,750	389,846	-3,00	392,558	389,959			3,750	389,846	-3,00	3,925	4,425	389,146	7,682	392,402	3,256
32	-9,088	393,905	4,663	-4,425	-3,925	389,242	-3,750	389,942	-3,00	393,430	390,055			3,750	389,942	-3,00	3,925	4,425	389,242	8,456	393,273	4,031
32+14,256	-10,124	395,013	5,699	-4,425	-3,925	389,314	-3,750	390,014	-3,00	394,668	390,127			3,750	390,014	-3,00	3,925	4,425	389,314	9,515	394,404	5,090
33	-10,472	395,390	6,046	-4,425	-3,925	389,344	-3,750	390,044	-3,00	395,171	390,157			3,750	390,044	-3,00	3,925	4,425	389,344	9,989	394,908	5,564
33+0,803	-10,542	395,467	6,118	-4,425	-3,925	389,349	-3,750	390,049	-3,00	395,251	390,162			3,750	390,049	-3,00	3,925	4,425	389,349	10,066	394,990	5,641
34	-12,179	397,208	7,754	-4,425	-3,925	389,454	-3,750	390,154	-3,00	397,163	390,267			3,750	390,154	-3,00	3,925	4,425	389,454	11,912	396,941	7,487

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												
35	-13,092	398,239	8,667	-4,425	-3,925	389,572	-3,750	390,272	-3,00	398,256	390,385			3,750	390,272	-3,00	3,925	4,425	389,572	12,427	397,574	8,002
36	-13,967	399,238	9,542	-4,425	-3,925	389,696	-3,750	390,396	-3,00	398,779	390,509			3,750	390,396	-3,00	3,925	4,425	389,696	13,265	398,537	8,841
37	-14,636	400,039	10,211	-4,425	-3,925	389,828	-3,750	390,528	-3,00	400,433	390,641			3,750	390,528	-3,00	3,925	4,425	389,828	15,747	401,150	11,322
37+10,803	-14,698	400,175	10,273	-4,425	-3,925	389,902	-3,750	390,602	-3,00	400,981	390,715			3,750	390,602	-3,00	3,925	4,425	389,902	15,806	401,283	11,381
38	-14,734	400,275	10,309	-4,425	-3,925	389,966	-3,750	390,666	-3,00	400,931	390,779			3,750	390,666	-3,00	3,925	4,425	389,966	15,874	401,415	11,449
39	-16,330	402,017	11,905	-4,425	-3,925	390,112	-3,750	390,812	-3,00	401,269	390,925			3,750	390,812	-3,00	3,925	4,425	390,112	15,985	401,671	11,559
40	-15,590	401,432	11,166	-4,425	-3,925	390,266	-3,750	390,966	-3,00	400,338	391,079			3,750	390,966	-3,00	3,925	4,425	390,266	13,085	398,926	8,660
41	-15,429	401,431	11,005	-4,425	-3,925	390,426	-3,750	391,126	-3,00	399,248	391,239			3,750	391,126	-3,00	3,925	4,425	390,426	12,201	398,202	7,776
42	-13,598	399,767	9,173	-4,425	-3,925	390,594	-3,750	391,294	-3,00	398,949	391,407			3,750	391,294	-3,00	3,925	4,425	390,594	11,725	397,895	7,301
43	-14,370	400,712	9,944	-4,425	-3,925	390,768	-3,750	391,468	-3,00	399,045	391,581			3,750	391,468	-3,00	3,925	4,425	390,768	11,422	397,765	6,997
44	-14,189	400,713	9,763	-4,425	-3,925	390,950	-3,750	391,650	-3,00	398,423	391,763			3,750	391,650	-3,00	3,925	4,425	390,950	10,627	397,152	6,202
45	-13,075	399,790	8,650	-4,425	-3,925	391,140	-3,750	391,840	-3,00	398,432	391,953			3,750	391,840	-3,00	3,925	4,425	391,140	10,472	397,188	6,048
46	-9,822	396,733	5,397	-4,425	-3,925	391,336	-3,750	392,036	-3,00	395,998	392,149			3,750	392,036	-3,00	3,925	4,425	391,336	8,213	395,124	3,788
47	-7,477	394,588	3,052	-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	6,602	393,713	2,177