

Etapa III – Projetos Executivos
PRODUTO 15 (P15) – RELATÓRIO FINAL
ETAPA 01
VOLUME 3 – TOMO III– PAVIMENTAÇÃO
NOTAS DE SERVIÇO



Contrato nº 389/2020

Elaboração de estudos de concepção para obras de drenagem pluvial e pavimentação sustentáveis, em ruas do perímetro urbano do bairro Vila Nova, incluindo a elaboração dos projetos executivos, memoriais, especificações técnicas de serviços, orçamento e cronograma das obras, cuja metodologia e execução deverão servir de modelo para outras áreas do município de Joinville

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Etapa III – Projetos Executivos PRODUTO 15 (P15) – RELATÓRIO FINAL

ETAPA 01

VOLUME 3 – TOMO III – PAVIMENTAÇÃO NOTAS DE SERVIÇO

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RESPONSÁVEL TÉCNICO: Maria Bernardete de Sousa Sender | ART nº 7447764-8 | CREA nº 172586-9 – SC

COORDENADOR GERAL: Maria Bernardete de Sousa Sender

ELABORAÇÃO: Antonio Carlos Oquendo

VERIFICAÇÃO: Edson Rocha Nery

APROVAÇÃO: Maria Bernardete de Sousa Sender

Maria Bernardete Sousa Sender
Maria Bernardete Sousa Sender | 12 de Novembro de 2021 | 12:43 GMT -3

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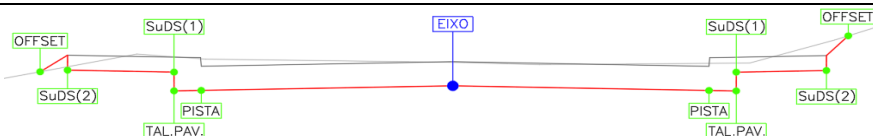
1. INTRODUÇÃO

Este documento apresenta as notas de serviço de pavimentação.

NOTAS DE SERVIÇO

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA ADOLFO HARDT

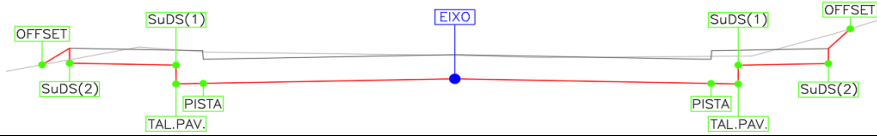
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 0+3											
Dist. Eixo (m):		-8,235	-6,759	-6,759	-6,330	0,000	4,936				
Cota Camada 1 (m)					12,951	13,078	12,979				
Cota Camada 3 (m)					12,871	12,998	12,899				
Cota Camada 6 (m)					12,831	12,958	12,859				
Cota Camada 7 (m)					12,681	12,808	12,709				
Cota (m):		13,139	12,849	12,522	12,531	12,658	12,559				
E:		709.001,0187	708.999,5441	708.999,5441	708.999,1157	708.992,7918	708.987,8605				
N:		7.089.900,4514	7.089.900,3868	7.089.900,3868	7.089.900,3681	7.089.900,0909	7.089.899,8749				
Station: 0+10											
Dist. Eixo (m):		-5,824	-4,363	-4,363	-3,935	0,000	4,065	4,494	4,494	6,002	6,068
Cota Camada 1 (m)					13,131	13,210	13,129				
Cota Camada 3 (m)					13,051	13,130	13,049				
Cota Camada 6 (m)					13,011	13,090	13,009				
Cota Camada 7 (m)					12,861	12,940	12,859				
Cota (m):		13,319	13,030	12,702	12,711	12,790	12,709	12,700	13,027	13,057	13,384
E:		708.998,9011	708.997,4419	708.997,4419	708.997,0135	708.993,0827	708.989,0212	708.988,5930	708.988,5930	708.987,0869	708.987,0204
N:		7.089.893,7083	7.089.893,6443	7.089.893,6443	7.089.893,6256	7.089.893,4533	7.089.893,2753	7.089.893,2566	7.089.893,2566	7.089.893,1906	7.089.893,1877
Station: 1+0											
Dist. Eixo (m):		-5,827	-4,368	-4,368	-3,940	0,000	4,060	4,489	4,489	5,926	
Cota Camada 1 (m)					13,330	13,409	13,328				
Cota Camada 3 (m)					13,250	13,329	13,248				
Cota Camada 6 (m)					13,210	13,289	13,208				
Cota Camada 7 (m)					13,060	13,139	13,058				
Cota (m):		13,258	13,229	12,901	12,910	12,989	12,908	12,899	13,226	13,255	
E:		708.999,3419	708.997,8846	708.997,8846	708.997,4562	708.993,5205	708.989,4639	708.989,0357	708.989,0357	708.987,5999	
N:		7.089.883,7180	7.089.883,6541	7.089.883,6541	7.089.883,6354	7.089.883,4629	7.089.883,2851	7.089.883,2664	7.089.883,2664	7.089.883,2035	
Station: 1+10											
Dist. Eixo (m):		-5,844	-4,373	-4,373	-3,944	0,000	4,056	4,484	4,484	5,868	
Cota Camada 1 (m)					13,527	13,605	13,524				
Cota Camada 3 (m)					13,447	13,525	13,444				
Cota Camada 6 (m)					13,407	13,485	13,404				
Cota Camada 7 (m)					13,257	13,335	13,254				
Cota (m):		13,454	13,425	13,098	13,107	13,185	13,104	13,096	13,422	13,450	
E:		708.999,7963	708.998,3273	708.998,3273	708.997,8989	708.993,9583	708.989,9066	708.989,4784	708.989,4784	708.988,0959	
N:		7.089.873,7283	7.089.873,6639	7.089.873,6639	7.089.873,6452	7.089.873,4725	7.089.873,2949	7.089.873,2762	7.089.873,2762	7.089.873,2156	
Station: 2+0											
Dist. Eixo (m):		-5,876	-4,378	-4,378	-3,949	0,000	4,051	4,479	4,479	5,933	
Cota Camada 1 (m)					13,681	13,760	13,679				
Cota Camada 3 (m)					13,601	13,680	13,599				
Cota Camada 6 (m)					13,561	13,640	13,559				
Cota Camada 7 (m)					13,411	13,490	13,409				
Cota (m):		13,609	13,579	13,252	13,261	13,340	13,259	13,250	13,577	13,606	
E:		709.000,2664	708.998,7700	708.998,7700	708.998,3416	708.994,3960	708.990,3493	708.989,9211	708.989,9211	708.988,4687	
N:		7.089.863,7393	7.089.863,6737	7.089.863,6737	7.089.863,6550	7.089.863,4821	7.089.863,3047	7.089.863,2860	7.089.863,2860	7.089.863,2223	
Station: 2+10											
Dist. Eixo (m):		-5,965	-4,383	-4,383	-3,954	0,000	4,046	4,474	4,474	6,029	
Cota Camada 1 (m)					13,779	13,858	13,777				
Cota Camada 3 (m)					13,699	13,778	13,697				
Cota Camada 6 (m)					13,659	13,738	13,657				
Cota Camada 7 (m)					13,509	13,588	13,507				
Cota (m):		13,709	13,677	13,350	13,359	13,438	13,357	13,349	13,676	13,707	
E:		709.000,7934	708.999,2127	708.999,2127	708.998,7843	708.994,8338	708.990,7920	708.990,3639	708.990,3639	708.988,8103	
N:		7.089.853,7528	7.089.853,6835	7.089.853,6835	7.089.853,6648	7.089.853,4917	7.089.853,3145	7.089.853,2958	7.089.853,2958	7.089.853,2277	
Station: 3+0											
Dist. Eixo (m):		-5,950	-4,388	-4,388	-3,959	0,000	4,041	4,469	4,469	5,982	
Cota Camada 1 (m)					13,822	13,901	13,820				
Cota Camada 3 (m)					13,742	13,821	13,740				
Cota Camada 6 (m)					13,702	13,781	13,700				
Cota Camada 7 (m)					13,552	13,631	13,550				
Cota (m):		13,751	13,720	13,393	13,402	13,481	13,400	13,392	13,719	13,749	
E:		709.001,2156	708.999,6554	708.999,6554	708.999,2271	708.995,2716	708.991,2347	708.990,8066	708.990,8066	708.989,2958	
N:		7.089.843,7617	7.089.843,6933	7.089.843,6933	7.089.843,6746	7.089.843,5012	7.089.843,3244	7.089.843,3056	7.089.843,3056	7.089.843,2394	
Station: 3+10											
Dist. Eixo (m):		-6,021	-4,393	-4,393	-3,964	0,000	4,036	4,464	4,464	5,912	
Cota Camada 1 (m)					13,812	13,891	13,810				
Cota Camada 3 (m)					13,732	13,811	13,730				
Cota Camada 6 (m)					13,692	13,771	13,690				
Cota Camada 7 (m)					13,542	13,621	13,540				
Cota (m):		13,743	13,710	13,383	13,392	13,471	13,390	13,382	13,709	13,738	
E:		709.001,7246	709.000,0981	709.000,0981	708.999,6698	708.995,7094	708.991,6774	708.991,2493	708.991,2493	708.989,8028	
N:		7.089.833,7744	7.089.833,7031	7.089.833,7031	7.089.833,6844	7.089.833,5108	7.089.833,3342	7.089.833,3154	7.089.833,3154	7.089.833,2520	
Station: 4+0											
Dist. Eixo (m):		-6,079	-4,398	-4,398	-3,969	0,000	4,031	4,459	4,459	5,873	
Cota Camada 1 (m)					13,788	13,868	13,787				
Cota Camada 3 (m)					13,708	13,788	13,707				
Cota Camada 6 (m)					13,668	13,748	13,667				
Cota Camada 7 (m)					13,518	13,598	13,517				
Cota (m):		13,720	13,687	13,359	13,368	13,448	13,367	13,359	13,686	13,714	
E:		709.002,2208	709.000,5408	709.000,5408	709.000,1125	708.996,1471	708.992,1202	708.991,6920	708.991,6920	708.990,2802	
N:		7.089.823,7866	7.089.823,7130	7.089.823,7130	7.089.823,6942	7.089.823,5204	7.089.823,3440	7.089.823,3252	7.089.823,3252	7.089.823,2633	

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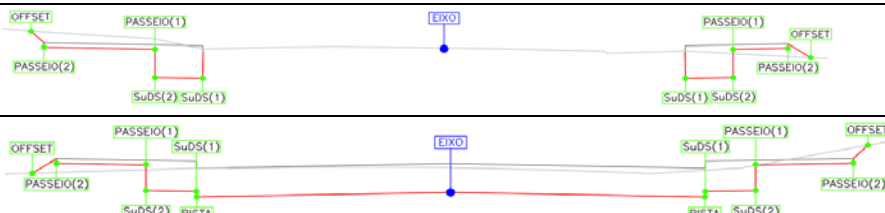
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 4+10											
Dist. Eixo (m):		-6,089	-4,403	-4,403	-3,974	0,000	4,026	4,454	4,454	5,861	
Cota Camada 1 (m)					13,765	13,845	13,764				
Cota Camada 3 (m)					13,685	13,765	13,684				
Cota Camada 6 (m)					13,645	13,725	13,644				
Cota Camada 7 (m)					13,495	13,575	13,494				
Cota (m):		13,697	13,664	13,336	13,345	13,425	13,344	13,336	13,663	13,691	
E:		709.002,6682	709.000,9836	709.000,9836	709.000,5552	708.996,5849	708.992,5629	708.992,1347	708.992,1347	708.990,7291	
N:		7.089.813,7966	7.089.813,7228	7.089.813,7228	7.089.813,7040	7.089.813,5300	7.089.813,3538	7.089.813,3350	7.089.813,3350	7.089.813,2734	
Station: 5+0											
Dist. Eixo (m):		-6,061	-4,408	-4,408	-3,979	0,000	4,021	4,450	4,450	5,850	
Cota Camada 1 (m)					13,742	13,821	13,741				
Cota Camada 3 (m)					13,662	13,741	13,661				
Cota Camada 6 (m)					13,622	13,701	13,621				
Cota Camada 7 (m)					13,472	13,551	13,471				
Cota (m):		13,673	13,640	13,313	13,322	13,401	13,321	13,312	13,639	13,667	
E:		709.003,0775	709.001,4263	709.001,4263	709.000,9979	708.997,0227	708.993,0056	708.992,5774	708.992,5774	708.991,1780	
N:		7.089.803,8049	7.089.803,7326	7.089.803,7326	7.089.803,7138	7.089.803,5396	7.089.803,3636	7.089.803,3448	7.089.803,3448	7.089.803,2835	
Station: 5+10											
Dist. Eixo (m):		-6,048	-4,413	-4,413	-3,984	0,000	4,016	4,445	4,445	5,839	
Cota Camada 1 (m)					13,720	13,800	13,719				
Cota Camada 3 (m)					13,640	13,720	13,639				
Cota Camada 6 (m)					13,600	13,680	13,599				
Cota Camada 7 (m)					13,450	13,530	13,449				
Cota (m):		13,651	13,618	13,291	13,300	13,380	13,299	13,291	13,618	13,646	
E:		709.003,5029	709.001,8690	709.001,8690	709.001,4406	708.997,4605	708.993,4483	708.993,0201	708.993,0201	708.991,6269	
N:		7.089.793,8140	7.089.793,7424	7.089.793,7424	7.089.793,7236	7.089.793,5492	7.089.793,3734	7.089.793,3546	7.089.793,3546	7.089.793,2936	
Station: 6+0											
Dist. Eixo (m):		-6,005	-4,418	-4,418	-3,989	0,000	4,011	4,440	4,440	5,847	
Cota Camada 1 (m)					13,731	13,811	13,731				
Cota Camada 3 (m)					13,651	13,731	13,651				
Cota Camada 6 (m)					13,611	13,691	13,611				
Cota Camada 7 (m)					13,461	13,541	13,461				
Cota (m):		13,662	13,630	13,302	13,311	13,391	13,311	13,302	13,629	13,657	
E:		709.003,8979	709.002,3117	709.002,3117	709.001,8833	708.997,8982	708.993,8910	708.993,4629	708.993,4629	708.992,0567	
N:		7.089.783,8217	7.089.783,7522	7.089.783,7522	7.089.783,7334	7.089.783,5588	7.089.783,3832	7.089.783,3644	7.089.783,3644	7.089.783,3028	
Station: 6+10											
Dist. Eixo (m):		-6,093	-4,423	-4,423	-3,994	0,000	4,006	4,435	4,435	5,880	
Cota Camada 1 (m)					13,787	13,867	13,787				
Cota Camada 3 (m)					13,707	13,787	13,707				
Cota Camada 6 (m)					13,667	13,747	13,667				
Cota Camada 7 (m)					13,517	13,597	13,517				
Cota (m):		13,719	13,686	13,358	13,367	13,447	13,367	13,359	13,685	13,714	
E:		709.004,4235	709.002,7544	709.002,7544	709.002,3261	708.998,3360	708.994,3337	708.993,9056	708.993,9056	708.992,4618	
N:		7.089.773,8351	7.089.773,7620	7.089.773,7620	7.089.773,7432	7.089.773,5684	7.089.773,3930	7.089.773,3742	7.089.773,3742	7.089.773,3109	
Station: 7+0											
Dist. Eixo (m):		-5,977	-4,428	-4,428	-3,999	0,000	4,001	4,430	4,430	5,913	
Cota Camada 1 (m)					13,856	13,936	13,856				
Cota Camada 3 (m)					13,776	13,856	13,776				
Cota Camada 6 (m)					13,736	13,816	13,736				
Cota Camada 7 (m)					13,586	13,666	13,586				
Cota (m):		13,786	13,755	13,427	13,436	13,516	13,436	13,428	13,754	13,784	
E:		709.004,7447	709.003,1971	709.003,1971	709.002,7688	708.998,7738	708.994,7764	708.994,3483	708.994,3483	708.992,8669	
N:		7.089.763,8396	7.089.763,7718	7.089.763,7718	7.089.763,7530	7.089.763,5779	7.089.763,4028	7.089.763,3840	7.089.763,3840	7.089.763,3191	
Station: 7+2											
Dist. Eixo (m):		-5,949	-4,429	-4,429	-4,000	0,000	4,000	4,429	4,429	5,920	
Cota Camada 1 (m)					13,873	13,953	13,873				
Cota Camada 3 (m)					13,793	13,873	13,793				
Cota Camada 6 (m)					13,753	13,833	13,753				
Cota Camada 7 (m)					13,603	13,683	13,603				
Cota (m):		13,801	13,771	13,444	13,453	13,533	13,453	13,444	13,771	13,801	
E:		709.004,8210	709.003,3023	709.003,3023	709.002,8739	708.998,8777	708.994,8816	708.994,4534	708.994,4534	708.992,9631	
N:		7.089.761,4657	7.089.761,3992	7.089.761,3992	7.089.761,3804	7.089.761,2053	7.089.761,0302	7.089.761,0114	7.089.761,0114	7.089.760,9461	

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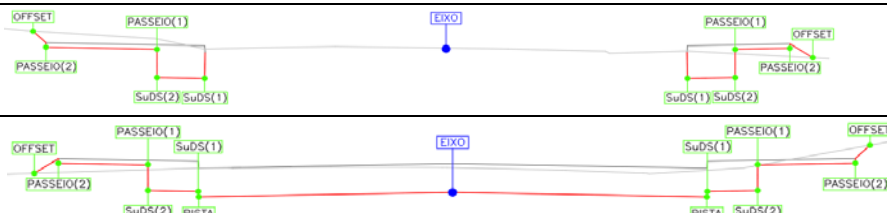
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 0+0													
Dist. Eixo (m):		-14,272	-11,214	-11,214	-10,223		0,000		12,996	13,986	13,986	14,986	
Cota (m):		11,135	11,074	10,424	10,404				10,401	10,420	11,070	11,090	
E:		709.670,0896	709.670,1821	709.670,1821	709.670,2120		709.670,5213		709.670,9145	709.670,9445	709.670,9445	709.670,9747	
N:		7.089.731,4726	7.089.728,4157	7.089.728,4157	7.089.728,4260		7.089.717,2073		7.089.704,2171	7.089.703,2275	7.089.703,2275	7.089.702,2280	
Station: 0+10													
Dist. Eixo (m):		-7,839	-5,988	-5,988	-4,997		0,000		5,023	6,013	6,013	7,694	
Cota (m):		10,884	10,847	10,197	10,177				10,176	10,196	10,846	10,880	
E:		709.680,2796	709.680,3356	709.680,3356	709.680,3656		709.680,5168		709.680,6687	709.680,6987	709.680,6987	709.680,7495	
N:		7.089.725,3456	7.089.723,4946	7.089.723,4946	7.089.722,5048		7.089.717,5098		7.089.712,4894	7.089.711,4999	7.089.711,4999	7.089.709,8191	
Station: 1+0													
Dist. Eixo (m):		-7,715	-5,988	-5,988	-4,998		0,000		5,022	6,012	6,012	7,641	
Cota (m):		10,884	10,849	10,200	10,180				10,179	10,199	10,849	10,882	
E:		709.690,2788	709.690,3310	709.690,3310	709.690,3610		709.690,5122		709.690,6641	709.690,6941	709.690,6941	709.690,7433	
N:		7.089.725,5239	7.089.723,7978	7.089.723,7978	7.089.722,8081		7.089.717,8123		7.089.712,7927	7.089.711,8031	7.089.711,8031	7.089.710,1752	
Station: 1+10													
Dist. Eixo (m):		-7,808	-5,989	-5,989	-4,999		0,000		5,021	6,011	6,011	7,618	
Cota (m):		10,886	10,850	10,200	10,180				10,179	10,199	10,849	10,881	
E:		709.700,2714	709.700,3264	709.700,3264	709.700,3564		709.700,5076		709.700,6595	709.700,6895	709.700,6895	709.700,7381	
N:		7.089.725,9190	7.089.724,1011	7.089.724,1011	7.089.723,1114		7.089.718,1149		7.089.713,0959	7.089.712,1064	7.089.712,1064	7.089.710,5007	
Station: 2+0													
Dist. Eixo (m):		-7,901	-5,990	-5,990	-4,999		0,000		5,021	6,011	6,011	7,403	
Cota (m):		10,879	10,841	10,191	10,171				10,171	10,190	10,840	10,868	
E:		709.710,2640	709.710,3218	709.710,3218	709.710,3518		709.710,5030		709.710,6549	709.710,6849	709.710,6849	709.710,7270	
N:		7.089.726,3148	7.089.724,4044	7.089.724,4044	7.089.723,4146		7.089.718,4174		7.089.713,3992	7.089.712,4097	7.089.712,4097	7.089.711,0175	
Station: 2+10													
Dist. Eixo (m):		-7,961	-5,990	-5,990	-5,000		0,000		5,020	6,010	6,010	7,193	
Cota (m):		10,871	10,832	10,182	10,162				10,161	10,181	10,831	10,855	
E:		709.720,2576	709.720,3172	709.720,3172	709.720,3472		709.720,4984		709.720,6503	709.720,6803	709.720,6803	709.720,7161	
N:		7.089.726,6773	7.089.724,7076	7.089.724,7076	7.089.723,7179		7.089.718,7200		7.089.713,7025	7.089.712,7129	7.089.712,7129	7.089.711,5302	
Station: 3+0													
Dist. Eixo (m):		-8,103	-5,991	-5,991	-5,001		0,000		5,019	6,009	6,009	7,226	
Cota (m):		10,858	10,815	10,166	10,146				10,145	10,165	10,815	10,839	
E:		709.730,2487	709.730,3126	709.730,3126	709.730,3426		709.730,4939		709.730,6457	709.730,6757	709.730,6757	709.730,7125	
N:		7.089.727,1213	7.089.725,0109	7.089.725,0109	7.089.724,0212		7.089.719,0225		7.089.714,0057	7.089.713,0162	7.089.713,0162	7.089.711,7999	
Station: 3+10													
Dist. Eixo (m):		-8,174	-5,992	-5,992	-5,002		0,000		5,018	6,008	6,008	7,021	
Cota (m):		10,842	10,798	10,149	10,129				10,128	10,148	10,798	10,818	
E:		709.740,2420	709.740,3080	709.740,3080	709.740,3380		709.740,4893		709.740,6411	709.740,6711	709.740,6711	709.740,7017	
N:		7.089.727,4955	7.089.725,3142	7.089.725,3142	7.089.724,3244		7.089.719,3250		7.089.714,3090	7.089.713,3195	7.089.713,3195	7.089.712,3071	
Station: 4+0													
Dist. Eixo (m):		-8,246	-5,993	-5,993	-5,002		0,000		5,018	6,008	6,008	7,041	
Cota (m):		10,826	10,781	10,131	10,111				10,111	10,131	10,781	10,802	
E:		709.750,2353	709.750,3034	709.750,3034	709.750,3334		709.750,4847		709.750,6365	709.750,6665	709.750,6665	709.750,6977	
N:		7.089.727,8696	7.089.725,6174	7.089.725,6174	7.089.724,6277		7.089.719,6276		7.089.714,6123	7.089.713,6227	7.089.713,6227	7.089.712,5902	
Station: 4+10													
Dist. Eixo (m):		-8,297	-5,993	-5,993	-5,003		0,000		5,017	6,007	6,007	7,141	
Cota (m):		10,810	10,764	10,114	10,094				10,094	10,114	10,763	10,786	
E:		709.760,2291	709.760,2988	709.760,2988	709.760,3288		709.760,4801		709.760,6319	709.760,6619	709.760,6619	709.760,6962	
N:		7.089.728,2237	7.089.725,9207	7.089.725,9207	7.089.724,9310		7.089.719,9301		7.089.714,9155	7.089.713,9260	7.089.713,9260	7.089.712,7922	
Station: 5+0													
Dist. Eixo (m):		-8,346	-5,994	-5,994	-5,004		0,000		5,016	6,006	6,006	6,942	
Cota (m):		10,794	10,747	10,097	10,077				10,077	10,097	10,746	10,765	
E:		709.770,2231	709.770,2942	709.770,2942	709.770,3242		709.770,4756		709.770,6273	709.770,6573	709.770,6573	709.770,6856	
N:		7.089.728,5749	7.089.726,2240	7.089.726,2240	7.089.725,2342		7.089.720,2326		7.089.715,2188	7.089.714,2293	7.089.714,2293	7.089.713,2938	
Station: 5+10													
Dist. Eixo (m):		-8,395	-5,995	-5,995	-5,005		0,000		5,015	6,005	6,005	7,038	
Cota (m):		10,778	10,730	10,080	10,060				10,060	10,080	10,729	10,750	
E:		709.780,2170	709.780,2896	709.780,2896	709.780,3196		709.780,4710		709.780,6227	709.780,6527	709.780,6527	709.780,6839	
N:		7.089.728,9262	7.089.726,5272	7.089.726,5272	7.089.725,5375		7.089.720,5352		7.089.715,5221	7.089.714,5325	7.089.714,5325	7.089.713,5001	
Station: 6+0													
Dist. Eixo (m):		-8,444	-5,996	-5,996	-5,005		0,000		5,015	6,005	6,005	7,155	
Cota (m):		10,762	10,713	10,063	10,043				10,043	10,062	10,712	10,735	
E:		709.790,2110	709.790,2850	709.790,2850	709.790,3150		709.790,4664		709.790,6181	709.790,6481	709.790,6481	709.790,6829	
N:		7.089.729,2774	7.089.726,8305	7.089.726,8305	7.089.725,8408		7.089.720,8377		7.089.715,8253	7.089.714,8358	7.089.714,8358	7.089.713,8662	
Station: 6+10													
Dist. Eixo (m):		-8,275	-5,996	-5,996	-5,006		0,000		5,014	6,004	6,004	7,271	
Cota (m):		10,741	10,696	10,046	10,026				10,026	10,045	10,696	10,721	
E:		709.800,2115	709.800,2804	709.800,2804	709.800,3104		709.800,4618		709.800,6135	709.800,6435	709.800,6435	709.800,6818	
N:		7.089.729,4112	7.089.727,1338	7.089.727,1338	7.089.726,1440		7.089.721,1402		7.089.716,1286	7.089.715,1391	7.089.715,1391	7.089.713,8724	
Station: 7+0													
Dist. Eixo (m):		-8,085	-5,997	-5,997	-5,007		0,000		5,013	6,003	6,003	7,397	
Cota (m):		10,720	10,678	10,029	10,009				10,008	10,028	10,678	10,706	
E:		709.810,2127	709.810,2758	709.810,2758	709.810,3058		709.810,4573		709.810,6089	709.810,6389	709.810,6389	709.810,6810	
N:		7.089.729,5238	7.089.727,4370	7.089.727,4370	7.089.726,4473		7.089.721,4428		7.089.716,4319	7.089.715,4423	7.089.715,4423	7.089.714,0495	
Station: 7+10													
Dist. Eixo (m):		-7,998	-5,998	-5,998	-5,008		0,000		5,012	6,002	6,002	7,470	
Cota (m):		10,701	10,661	10,011	9,991				9,991	10,011	10,662	10,691	
E:		709.820,2107	709.820,2712	709.820,2712	709.820,3012		709.820,4527		709.820,6043	709.820,6343	709.820,6343	709.820,6787	
N:		7.089.729,7395	7.089.727,7403	7.089.727,7403	7.089.726,7506		7.089.721,7453		7.089.716,7351	7.089.715,7456	7.089.715,7456	7.089.714,2788	
Station: 8+0													
Dist. Eixo (m):		-7,964	-5,998	-5,998	-5,008		0,000		5,012	6,002	6,002	7,369	
Cota (m):		10,683	10,643	9,994	9,974				9,974	9,994	10,644	10,671	
E:		709.											

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NOTA DE SERVIÇO
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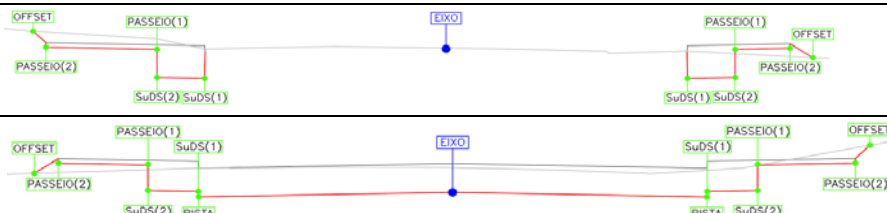
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 9+0													
Dist. Eixo (m):		-7,749	-6,000	-6,000	-5,010		0,000		5,010	6,000	6,000	7,136	
Cota (m):		10,645	10,610	9,960	9,940				9,940	9,960	10,610	10,633	
E:		709.850,2045	709.850,2574	709.850,2574	709.850,2874		709.850,4389		709.850,5905	709.850,6205	709.850,6205	709.850,6548	
N:		7.089.730,3987	7.089.728,6501	7.089.728,6501	7.089.727,6604		7.089.722,6529		7.089.717,6450	7.089.716,6554	7.089.716,6554	7.089.715,5206	
Station: 9+3													
Dist. Eixo (m):		-7,743	-5,999	-5,999	-5,009		0,000		5,010	6,000	6,000	7,186	
Cota (m):		10,638	10,603	9,954	9,934				9,928	9,948	10,598	10,622	
E:		709.853,9573	709.854,0100	709.854,0100	709.854,0400		709.854,1916		709.854,3431	709.854,3731	709.854,3731	709.854,4090	
N:		7.089.730,5072	7.089.728,7640	7.089.728,7640	7.089.727,7742		7.089.722,7665		7.089.717,7588	7.089.716,7693	7.089.716,7693	7.089.715,5843	
Station: 9+10													
Dist. Eixo (m):		-12,947	-8,737	-8,737	-7,746		0,000		7,509	8,499	8,499	13,693	
Cota Camada 1 (m)						0,390	0,390	0,390					
Cota Camada 3 (m)						0,310	0,310	0,310					
Cota Camada 6 (m)						0,270	0,270	0,270					
Cota Camada 7 (m)						0,150	0,150	0,150					
Cota (m):		10,672	10,588	9,938	9,918				9,894	9,914	10,564	10,668	
E:		709.859,8192	709.860,0179	709.860,0179	709.860,0646		709.860,4303		709.860,7847	709.860,8314	709.860,8314	709.861,0765	
N:		7.089.735,9943	7.089.731,7882	7.089.731,7882	7.089.730,7991		7.089.723,0613		7.089.715,5609	7.089.714,5720	7.089.714,5720	7.089.709,3838	
Station: 9+11													
Dist. Eixo (m):				-13,698	-12,709		0,000		11,109	12,097	12,097	13,730	
Cota Camada 1 (m)						0,390	0,390	0,390					
Cota Camada 3 (m)						0,310	0,310	0,310					
Cota Camada 6 (m)						0,270	0,270	0,270					
Cota Camada 7 (m)						0,150	0,150	0,150					
Cota (m):				9,938	9,918				9,868	9,888	10,537	10,570	
E:				709.861,7472	709.861,7938		709.862,3937		709.862,9180	709.862,9647	709.862,9647	709.863,0417	
N:				7.089.736,8367	7.089.735,8491		7.089.723,1541		7.089.712,0578	7.089.711,0702	7.089.711,0702	7.089.709,4395	
Station: 10+2													
Dist. Eixo (m):		-13,277	-12,114	-12,114	-11,124		0,000		12,744	13,744			
Cota Camada 1 (m)						10,230	10,233	10,284					
Cota Camada 3 (m)						10,150	10,153	10,204					
Cota Camada 6 (m)						10,110	10,113	10,164					
Cota Camada 7 (m)						9,990	9,993	10,044					
Cota (m):		10,652	10,529	9,880	9,860	9,840	9,843	9,894	9,914	9,934			
E:		709.871,9989	709.872,0538	709.872,0538	709.872,1005	709.872,1010	709.872,6256	709.873,2271	709.873,2276	709.873,2743			
N:		7.089.736,8999	7.089.735,7383	7.089.735,7383	7.089.734,7492	7.089.734,7392	7.089.723,6376	7.089.710,9080	7.089.710,8981	7.089.709,9092			
Station: 10+9													
Dist. Eixo (m):		-7,403	-6,004	-6,004	-5,014		0,000		5,007	5,017	6,007	6,007	7,818
Cota Camada 1 (m)						10,154	10,254	10,160					
Cota Camada 3 (m)						10,074	10,174	10,080					
Cota Camada 6 (m)						10,034	10,134	10,040					
Cota Camada 7 (m)						9,914	10,014	9,920					
Cota (m):		10,482	10,454	9,804	9,784	9,764	9,864	9,770	9,790	9,809	10,460	10,496	
E:		709.880,0014	709.880,0675	709.880,0675	709.880,1142	709.880,1147	709.880,3509	709.880,5872	709.880,5877	709.880,6344	709.880,6344	709.880,7199	
N:		7.089.731,3978	7.089.729,9997	7.089.729,9997	7.089.729,0106	7.089.729,0006	7.089.724,0026	7.089.719,0001	7.089.718,9901	7.089.718,0012	7.089.718,0012	7.089.716,1918	
Station: 10+10													
Dist. Eixo (m):		-7,404	-6,003	-6,003	-5,013		0,000		5,009	5,019	6,009	6,009	7,831
Cota Camada 1 (m)						10,154	10,254	10,160					
Cota Camada 3 (m)						10,074	10,174	10,080					
Cota Camada 6 (m)						10,034	10,134	10,040					
Cota Camada 7 (m)						9,914	10,014	9,920					
Cota (m):		10,482	10,454	9,804	9,784	9,764	9,864	9,770	9,790	9,810	10,460	10,496	
E:		709.880,1883	709.880,2298	709.880,2298	709.880,2592	709.880,2595	709.880,4080	709.880,5567	709.880,5570	709.880,5863	709.880,5863	709.880,6404	
N:		7.089.731,4048	7.089.730,0047	7.089.730,0047	7.089.729,0149	7.089.729,0049	7.089.724,0043	7.089.718,9976	7.089.718,9876	7.089.717,9981	7.089.717,9981	7.089.716,1765	
Station: 10+9													
Dist. Eixo (m):		-7,485	-6,003	-6,003	-5,013		0,000		4,997	5,007	5,997	5,997	7,775
Cota Camada 1 (m)						10,181	10,281	10,181					
Cota Camada 3 (m)						10,101	10,201	10,101					
Cota Camada 6 (m)						10,061	10,161	10,061					
Cota Camada 7 (m)						9,941	10,041	9,941					
Cota (m):		10,510	10,481	9,831	9,811	9,791	9,891	9,791	9,811	9,831	10,480	10,516	
E:		709.890,1815	709.890,2255	709.890,2255	709.890,2548	709.890,2551	709.890,4036	709.890,5519	709.890,5522	709.890,5816	709.890,5816	709.890,6344	
N:		7.089.731,7827	7.089.730,3013	7.089.730,3013	7.089.729,3115	7.089.729,3015	7.089.724,3011	7.089.719,3059	7.089.719,2959	7.089.718,3064	7.089.718,3064	7.089.716,5297	
Station: 11+10													
Dist. Eixo (m):		-7,527	-6,003	-6,003	-5,012		0,000		4,998	5,008	5,998	5,998	7,730
Cota Camada 1 (m)						10,207	10,307	10,207					
Cota Camada 3 (m)						10,127	10,227	10,127					
Cota Camada 6 (m)						10,087	10,187	10,087					
Cota Camada 7 (m)						9,967	10,067	9,967					
Cota (m):		10,538	10,507	9,857	9,837	9,817	9,917	9,817	9,837	9,857	10,507	10,542	
E:		709.900,1758	709.900,2211	709.900,2211	709.900,2504	709.900,2507	709.900,3992	709.900,5475	709.900,5478	709.900,5772	709.900,5772	709.900,6286	
N:		7.089.732,1217	7.089.730,5979	7.089.730,5979	7.089.729,6081	7.089.729,5981	7.089.724,5979	7.089.719,6025	7.089.719,5925	7.089.718,6030	7.089.718,6030	7.089.716,8714	
Station: 12+0													
Dist. Eixo (m):		-7,577	-6,003	-6,003	-5,012		0,000		4,998	5,008	5,998	5,998	7,767
Cota Camada 1 (m)						10,234	10,334	10,234					
Cota Camada 3 (m)						10,154	10,254	10,154					
Cota Camada 6 (m)						10,114	10,214	10,114					
Cota Camada 7 (m)						9,994	10,094	9,994					
Cota (m):		10,565	10,534	9,884	9,864	9,844	9,944	9,844	9,864	9,884	10,534	10,569	
E:		709.910,1699	709.910,2167	709.910,2167	709.910,2460	709.910,2463	709.910,3948	709.910,5431	709.910,5434	709.910,5728	709.910,5728	709.910,6253	
N:		7.089.732,4684	7.089.730,8945	7.089.730,8945	7.089.729,9047	7.089.729,8947	7.089.724,8946	7.089.719,8991	7.089.719,8891	7.089.718,8996	7.089.718,8996	7.089.717,1311	
Station: 12+10													
Dist. Eixo (m):		-7,834	-6,002	-6,002	-5,012		0,000		4,998	5,008	5,998	5,998	7,806
Cota Camada 1 (m)						10,260	10,360	10,260					
Cota Camada 3 (m)						10,180	10,280	10,180					
Cota Camada 6 (m)						10,140	10,240	10,140					
Cota Camada 7 (m)						10,020	10,120	10,020					
Cota (m):		10,597	10,560	9,910	9,890	9,870	9,970	9,870	9,890	9,910	10,560	10,596	
E:		709.920,1579	709.920,2123	709.920,2123	709.920,2416	709.920,2419	709.920,39						

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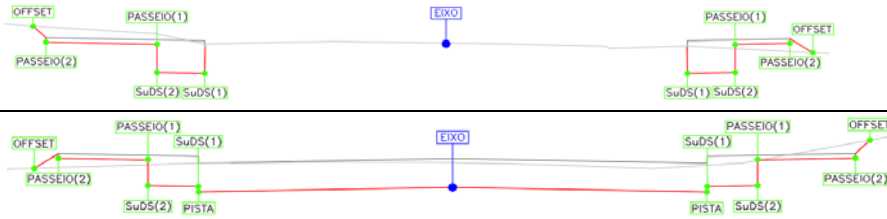
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 13+0													
Dist. Eixo (m):		-8,097	-6,002	-6,002	-5,012	-5,002	0,000	4,998	5,008	5,998	5,998	7,832	
Cota Camada 1 (m)						10,275	10,375	10,275					
Cota Camada 3 (m)						10,195	10,295	10,195					
Cota Camada 6 (m)						10,155	10,255	10,155					
Cota Camada 7 (m)						10,035	10,135	10,035					
Cota (m):		10,617	10,575	9,925	9,905	9,885	9,885	9,885	9,905	9,925	10,575	10,612	
E:		709.930,1457	709.930,2079	709.930,2079	709.930,2372	709.930,2375	709.930,3060	709.930,5343	709.930,5346	709.930,5640	709.930,5640	709.930,6184	
N:		7.089.733,5816	7.089.731,4877	7.089.731,4877	7.089.730,4979	7.089.730,4880	7.089.725,4882	7.089.720,4924	7.089.720,4824	7.089.719,4928	7.089.719,4928	7.089.717,6599	
Station: 13+10													
Dist. Eixo (m):		-8,393	-6,002	-6,002	-5,012	-5,002	0,000	4,998	5,008	5,998	5,998	7,765	
Cota Camada 1 (m)						10,267	10,367	10,267					
Cota Camada 3 (m)						10,187	10,287	10,187					
Cota Camada 6 (m)						10,147	10,247	10,147					
Cota Camada 7 (m)						10,027	10,127	10,027					
Cota (m):		10,615	10,567	9,917	9,897	9,877	9,877	9,877	9,897	9,917	10,567	10,602	
E:		709.940,1325	709.940,2035	709.940,2035	709.940,2328	709.940,2331	709.940,3816	709.940,5299	709.940,5302	709.940,5596	709.940,5596	709.940,6120	
N:		7.089.734,1744	7.089.731,7843	7.089.731,7843	7.089.730,7946	7.089.730,7846	7.089.725,7850	7.089.720,7890	7.089.720,7790	7.089.719,7894	7.089.719,7894	7.089.718,0234	
Station: 14+0													
Dist. Eixo (m):		-8,621	-6,002	-6,002	-5,012	-5,002	0,000	4,998	5,008	5,998	5,998	7,929	
Cota Camada 1 (m)						10,247	10,347	10,247					
Cota Camada 3 (m)						10,167	10,267	10,167					
Cota Camada 6 (m)						10,127	10,227	10,127					
Cota Camada 7 (m)						10,007	10,107	10,007					
Cota (m):		10,599	10,547	9,897	9,877	9,857	9,857	9,857	9,877	9,897	10,546	10,585	
E:		709.950,1213	709.950,1991	709.950,1991	709.950,2284	709.950,2287	709.950,3772	709.950,5255	709.950,5258	709.950,5552	709.950,5552	709.950,6125	
N:		7.089.734,6989	7.089.732,0809	7.089.732,0809	7.089.731,0912	7.089.731,0812	7.089.726,0818	7.089.721,0856	7.089.721,0756	7.089.720,0860	7.089.720,0860	7.089.718,1560	
Station: 14+10													
Dist. Eixo (m):		-8,120	-6,002	-6,002	-5,011	-5,001	0,000	4,999	5,009	5,999	5,999	8,045	
Cota Camada 1 (m)						10,227	10,327	10,227					
Cota Camada 3 (m)						10,147	10,247	10,147					
Cota Camada 6 (m)						10,107	10,207	10,107					
Cota Camada 7 (m)						10,007	10,107	10,007					
Cota (m):		10,569	10,527	9,877	9,857	9,837	9,837	9,837	9,857	9,877	10,526	10,567	
E:		709.960,1318	709.960,1947	709.960,1947	709.960,2240	709.960,2243	709.960,3728	709.960,5211	709.960,5214	709.960,5508	709.960,5508	709.960,6115	
N:		7.089.734,4955	7.089.732,3775	7.089.732,3775	7.089.731,3878	7.089.731,3778	7.089.726,3786	7.089.721,3822	7.089.721,3722	7.089.720,3826	7.089.720,3826	7.089.718,3368	
Station: 15+0													
Dist. Eixo (m):		-7,510	-6,001	-6,001	-5,011	-5,001	0,000	4,999	5,009	5,999	5,999	7,995	
Cota Camada 1 (m)						10,207	10,307	10,207					
Cota Camada 3 (m)						10,127	10,227	10,127					
Cota Camada 6 (m)						10,087	10,187	10,087					
Cota Camada 7 (m)						9,967	10,067	9,967					
Cota (m):		10,636	10,506	9,857	9,837	9,817	9,817	9,817	9,837	9,856	10,506	10,546	
E:		709.970,1455	709.970,1903	709.970,1903	709.970,2196	709.970,2199	709.970,3684	709.970,5167	709.970,5170	709.970,5464	709.970,5464	709.970,6057	
N:		7.089.734,1816	7.089.732,6741	7.089.732,6741	7.089.731,6844	7.089.731,6744	7.089.726,6753	7.089.721,6788	7.089.721,6688	7.089.720,6792	7.089.720,6792	7.089.718,6835	
Station: 15+10													
Dist. Eixo (m):		-7,560	-6,001	-6,001	-5,011	-5,001	0,000	4,999	5,009	5,999	5,999	7,944	
Cota Camada 1 (m)						10,187	10,287	10,187					
Cota Camada 3 (m)						10,107	10,207	10,107					
Cota Camada 6 (m)						10,067	10,167	10,067					
Cota Camada 7 (m)						9,947	10,047	9,947					
Cota (m):		10,517	10,486	9,837	9,817	9,797	9,797	9,797	9,817	9,836	10,486	10,525	
E:		709.980,1396	709.980,1859	709.980,1859	709.980,2152	709.980,2155	709.980,3640	709.980,5123	709.980,5126	709.980,5420	709.980,5420	709.980,5997	
N:		7.089.734,5292	7.089.732,9707	7.089.732,9707	7.089.731,9810	7.089.731,9710	7.089.726,9721	7.089.721,9754	7.089.721,9654	7.089.720,9758	7.089.720,9758	7.089.719,0321	
Station: 16+0													
Dist. Eixo (m):		-7,536	-6,001	-6,001	-5,011	-5,001	0,000	4,999	5,009	5,999	5,999	7,843	
Cota Camada 1 (m)						10,166	10,266	10,166					
Cota Camada 3 (m)						10,086	10,186	10,086					
Cota Camada 6 (m)						10,046	10,146	10,046					
Cota Camada 7 (m)						9,926	10,026	9,926					
Cota (m):		10,497	10,466	9,816	9,796	9,776	9,776	9,776	9,796	9,816	10,466	10,503	
E:		709.990,1359	709.990,1815	709.990,1815	709.990,2108	709.990,2111	709.990,3596	709.990,5079	709.990,5082	709.990,5376	709.990,5376	709.990,5923	
N:		7.089.734,8015	7.089.733,2674	7.089.733,2674	7.089.732,2776	7.089.732,2676	7.089.727,2689	7.089.722,2720	7.089.722,2620	7.089.721,2724	7.089.721,2724	7.089.719,4293	
Station: 16+10													
Dist. Eixo (m):		-7,689	-6,001	-6,001	-5,011	-5,001	0,000	4,999	5,009	5,999	5,999	7,659	
Cota Camada 1 (m)						10,146	10,246	10,146					
Cota Camada 3 (m)						10,066	10,166	10,066					
Cota Camada 6 (m)						10,026	10,126	10,026					
Cota Camada 7 (m)						9,906	10,006	9,906					
Cota (m):		10,480	10,446	9,796	9,776	9,756	9,756	9,756	9,776	9,796	10,446	10,479	
E:		710.000,1270	710.000,1771	710.000,1771	710.000,2064	710.000,2067	710.000,3552	710.000,5035	710.000,5038	710.000,5332	710.000,5332	710.000,5824	
N:		7.089.735,2512	7.089.733,5640	7.089.733,5640	7.089.732,5742	7.089.732,5642	7.089.727,5657	7.089.722,5686	7.089.722,5586	7.089.721,5690	7.089.721,5690	7.089.719,9104	
Station: 17+0													
Dist. Eixo (m):		-7,783	-6,001	-6,001	-5,011	-5,001	0,000	4,999	5,009	5,999	5,999	7,605	
Cota Camada 1 (m)						10,126	10,226	10,126					
Cota Camada 3 (m)						10,046	10,146	10,046					
Cota Camada 6 (m)						10,006	10,106	10,006					
Cota Camada 7 (m)						9,886	9,986	9,886					
Cota (m):		10,462	10,426	9,776	9,756	9,736	9,736	9,736	9,756	9,776	10,426	10,458	
E:		710.010,1198	710.010,1727	710.010,1727	710.010,2020	710.010,2023	710.010,3507	710.010,4991	710.010,4994	710.010,5288	710.010,5288	710.010,5764	
N:		7.089.735,6423	7.089.733,8606	7.089.733,8606	7.089.732,8708	7.089.732,8608	7.089.727,8625	7.089.722,8652	7.089.722,8552	7.089.721,8657	7.089.721,8657	7.089.720,2613	
Station: 17+10													
Dist. Eixo (m):		-8,746	-6,001	-6,001	-5,010	-5,000	0,000	5,000	5,010	6,000	6,000	7,615	
Cota Camada 1 (m)						10,106	10,206	10,106					
Cota Camada 3 (m)						10,026	10,126	10,026					
Cota Camada 6 (m)						9,986	10,086	9,986					
Cota Camada 7 (m)						9,866	9,966	9,866					
Cota (m):		10,											

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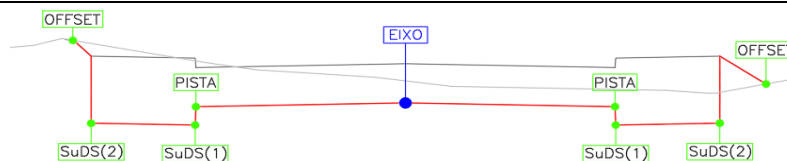
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 18+0													
Dist. Eixo (m):		-8,717	-6,000	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	6,000	7,680	
Cota Camada 1 (m)						10,086	10,186	10,086					
Cota Camada 3 (m)						10,006	10,106	10,006					
Cota Camada 6 (m)						9,966	10,066	9,966					
Cota Camada 7 (m)						9,846	9,946	9,846					
Cota (m):		10,440	10,386	9,736	9,716	9,696	9,796	9,696	9,716	9,736	10,385	10,419	
E:		710.030,0832	710.030,1639	710.030,1639	710.030,1932	710.030,1935	710.030,3419	710.030,4903	710.030,4906	710.030,5200	710.030,5200	710.030,5699	
N:		7.089.737,1695	7.089.734,4538	7.089.734,4538	7.089.733,4640	7.089.733,4540	7.089.728,4561	7.089.723,4584	7.089.723,4484	7.089.722,4589	7.089.722,4589	7.089.720,7799	
Station: 18+9													
Dist. Eixo (m):		-7,000	-6,000	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	6,000	7,749	
Cota Camada 1 (m)						10,067	10,167	10,067					
Cota Camada 3 (m)						9,987	10,087	9,987					
Cota Camada 6 (m)						9,947	10,047	9,947					
Cota Camada 7 (m)						9,827	9,927	9,827					
Cota (m):		10,487	10,367	9,717	9,697	9,677	9,777	9,677	9,697	9,717	10,367	10,402	
E:		710.039,3550	710.039,3847	710.039,3847	710.039,4141	710.039,4144	710.039,5628	710.039,7112	710.039,7115	710.039,7409	710.039,7409	710.039,7928	
N:		7.089.735,7270	7.089.734,7274	7.089.734,7274	7.089.733,7376	7.089.733,7276	7.089.728,7298	7.089.723,7320	7.089.723,7220	7.089.722,7325	7.089.722,7325	7.089.720,9844	

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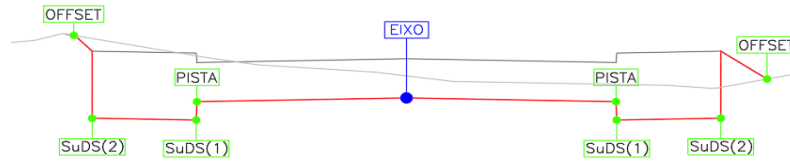
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0									
Dist. Eixo (m):		-11,840	-10,736	-10,726	0,000	12,108	12,118	13,308	
Cota Camada 1 (m)				11,124	11,176	11,193			
Cota Camada 3 (m)				11,044	11,096	11,113			
Cota Camada 6 (m)				11,004	11,056	11,073			
Cota Camada 7 (m)				10,884	10,936	10,953			
Cota (m):		11,296	10,414	10,734	10,786	10,803	10,483	10,507	
E:		709.572,0002	709.570,8960	709.570,8861	709.560,1672	709.548,0665	709.548,0565	709.546,8672	
N:		7.089.205,7958	7.089.205,7567	7.089.205,7564	7.089.205,3772	7.089.204,9492	7.089.204,9488	7.089.204,9068	
Station: 0+10									
Dist. Eixo (m):		-6,268	-3,878	-3,868	0,000	4,132	4,142	6,131	
Cota Camada 1 (m)				11,122	11,199	11,116			
Cota Camada 3 (m)				11,042	11,119	11,036			
Cota Camada 6 (m)				11,002	11,079	10,996			
Cota Camada 7 (m)				10,882	10,959	10,876			
Cota (m):		10,459	10,412	10,732	10,809	10,726	10,406	10,446	
E:		709.566,7851	709.564,3961	709.564,3862	709.560,5207	709.556,3911	709.556,3811	709.554,3940	
N:		7.089.195,6051	7.089.195,5206	7.089.195,5202	7.089.195,3835	7.089.195,2374	7.089.195,2370	7.089.195,1668	
Station: 1+0									
Dist. Eixo (m):		-6,188	-3,894	-3,884	0,000	4,116	4,126	6,181	
Cota Camada 1 (m)				11,144	11,222	11,140			
Cota Camada 3 (m)				11,064	11,142	11,060			
Cota Camada 6 (m)				11,024	11,102	11,020			
Cota Camada 7 (m)				10,904	10,982	10,900			
Cota (m):		10,480	10,434	10,754	10,832	10,750	10,430	10,471	
E:		709.567,0580	709.564,7660	709.564,7560	709.560,8742	709.556,7610	709.556,7510	709.554,6970	
N:		7.089.185,6084	7.089.185,5274	7.089.185,5270	7.089.185,3897	7.089.185,2442	7.089.185,2439	7.089.185,1712	
Station: 1+10									
Dist. Eixo (m):		-6,125	-3,911	-3,901	0,000	4,099	4,109	6,245	
Cota Camada 1 (m)				11,167	11,245	11,163			
Cota Camada 3 (m)				11,087	11,165	11,083			
Cota Camada 6 (m)				11,047	11,125	11,043			
Cota Camada 7 (m)				10,927	11,005	10,923			
Cota (m):		10,501	10,457	10,777	10,855	10,773	10,453	10,496	
E:		709.567,3486	709.565,1359	709.565,1259	709.561,2277	709.557,1309	709.557,1209	709.554,9865	
N:		7.089.175,6125	7.089.175,5342	7.089.175,5339	7.089.175,3960	7.089.175,2511	7.089.175,2507	7.089.175,1752	
Station: 2+0									
Dist. Eixo (m):		-6,062	-3,927	-3,917	0,000	4,083	4,093	6,265	
Cota Camada 1 (m)				11,190	11,268	11,186			
Cota Camada 3 (m)				11,110	11,188	11,106			
Cota Camada 6 (m)				11,070	11,148	11,066			
Cota Camada 7 (m)				10,950	11,028	10,946			
Cota (m):		10,522	10,480	10,800	10,878	10,796	10,476	10,520	
E:		709.567,6392	709.565,5058	709.565,4958	709.561,5812	709.557,5008	709.557,4908	709.555,3201	
N:		7.089.165,6165	7.089.165,5410	7.089.165,5407	7.089.165,4022	7.089.165,2579	7.089.165,2575	7.089.165,1808	
Station: 2+10									
Dist. Eixo (m):		-5,999	-3,943	-3,933	0,000	4,067	4,077	6,277	
Cota Camada 1 (m)				11,213	11,291	11,210			
Cota Camada 3 (m)				11,133	11,211	11,130			
Cota Camada 6 (m)				11,093	11,171	11,090			
Cota Camada 7 (m)				10,973	11,051	10,970			
Cota (m):		10,544	10,503	10,823	10,901	10,820	10,500	10,544	
E:		709.567,9298	709.565,8756	709.565,8657	709.561,9347	709.557,8706	709.557,8607	709.555,6620	
N:		7.089.155,6205	7.089.155,5479	7.089.155,5475	7.089.155,4085	7.089.155,2647	7.089.155,2644	7.089.155,1866	
Station: 3+0									
Dist. Eixo (m):		-5,936	-3,960	-3,950	0,000	4,050	4,060	6,288	
Cota Camada 1 (m)				11,235	11,314	11,233			
Cota Camada 3 (m)				11,155	11,234	11,153			
Cota Camada 6 (m)				11,115	11,194	11,113			
Cota Camada 7 (m)				10,995	11,074	10,993			
Cota (m):		10,565	10,525	10,845	10,924	10,843	10,523	10,568	
E:		709.568,2204	709.566,2455	709.566,2355	709.562,2882	709.558,2405	709.558,2305	709.556,0039	
N:		7.089.145,6246	7.089.145,5547	7.089.145,5543	7.089.145,4147	7.089.145,2715	7.089.145,2712	7.089.145,1924	

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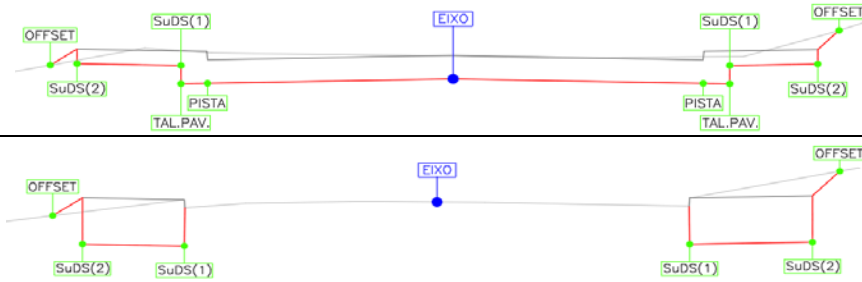
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 3+10									
Dist. Eixo (m):		-5,873	-3,976	-3,966	0,000	4,034	4,044	6,221	
Cota Camada 1 (m)				11,258	11,337	11,257			
Cota Camada 3 (m)				11,178	11,257	11,177			
Cota Camada 6 (m)				11,138	11,217	11,137			
Cota Camada 7 (m)				11,018	11,097	11,017			
Cota (m):		10,586	10,548	10,868	10,947	10,867	10,547	10,590	
E:		709.568,5108	709.566,6154	709.566,6054	709.562,6417	709.558,6104	709.558,6004	709.556,4243	
N:		7.089.135,6286	7.089.135,5615	7.089.135,5612	7.089.135,4210	7.089.135,2784	7.089.135,2780	7.089.135,2011	
Station: 4+0									
Dist. Eixo (m):		-5,810	-3,993	-3,983	0,000	4,017	4,027	6,115	
Cota Camada 1 (m)				11,281	11,360	11,280			
Cota Camada 3 (m)				11,201	11,280	11,200			
Cota Camada 6 (m)				11,161	11,240	11,160			
Cota Camada 7 (m)				11,041	11,120	11,040			
Cota (m):		10,607	10,571	10,891	10,970	10,890	10,570	10,612	
E:		709.568,8011	709.566,9853	709.566,9753	709.562,9952	709.558,9803	709.558,9703	709.556,8842	
N:		7.089.125,6326	7.089.125,5684	7.089.125,5680	7.089.125,4272	7.089.125,2852	7.089.125,2849	7.089.125,2111	
Station: 4+10									
Dist. Eixo (m):		-5,795	-4,009	-3,999	0,000	4,001	4,011	6,008	
Cota Camada 1 (m)				11,303	11,383	11,303			
Cota Camada 3 (m)				11,223	11,303	11,223			
Cota Camada 6 (m)				11,183	11,263	11,183			
Cota Camada 7 (m)				11,063	11,143	11,063			
Cota (m):		10,629	10,593	10,913	10,993	10,913	10,593	10,633	
E:		709.569,1400	709.567,3552	709.567,3452	709.563,3487	709.559,3501	709.559,3402	709.557,3442	
N:		7.089.115,6383	7.089.115,5752	7.089.115,5748	7.089.115,4335	7.089.115,2920	7.089.115,2917	7.089.115,2211	
Station: 4+12									
Dist. Eixo (m):		-5,203	-4,013	-4,003	0,000	3,997	4,007	5,197	5,352
Cota Camada 1 (m)				11,308	11,388	11,308			
Cota Camada 3 (m)				11,228	11,308	11,228			
Cota Camada 6 (m)				11,188	11,268	11,188			
Cota Camada 7 (m)				11,068	11,148	11,068			
Cota (m):		10,622	10,598	10,918	10,998	10,918	10,598	10,622	11,379
E:		709.568,6249	709.567,4356	709.567,4256	709.563,4256	709.559,4306	709.559,4206	709.558,2313	709.558,0765
N:		7.089.113,4437	7.089.113,4016	7.089.113,4012	7.089.113,2597	7.089.113,1184	7.089.113,1181	7.089.113,0760	7.089.113,0705

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
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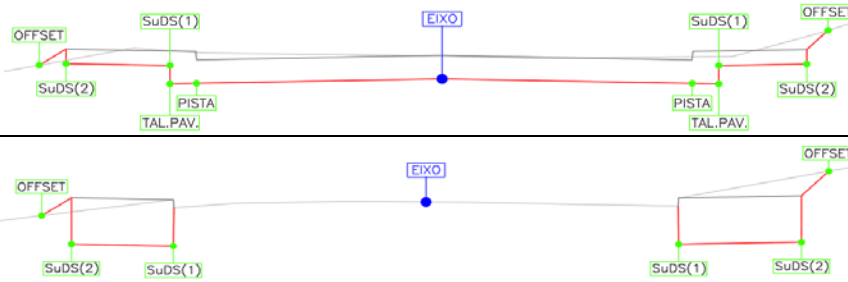
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):		-6,200	-5,429	-5,429	-5,000	0,000	5,077	5,505	5,505	7,714	
Cota Camada 1 (m)					13,302	13,402	13,301				
Cota Camada 3 (m)					13,222	13,322	13,221				
Cota Camada 6 (m)					13,182	13,282	13,181				
Cota Camada 7 (m)					13,032	13,132	13,031				
Cota (m):		13,016	13,001	12,873	12,882	12,982	12,881	12,872	12,999	13,043	
E:		708.317,7442	708.317,7704	708.317,7704	708.317,7849	708.317,9547	708.318,1270	708.318,1415	708.318,1415	708.318,2165	
N:		7.090.051,0703	7.090.050,2995	7.090.050,2995	7.090.049,8710	7.090.044,8739	7.090.039,8000	7.090.039,3716	7.090.039,3716	7.090.037,1645	
Station: 0+10											
Dist. Eixo (m):		-7,707	-5,364	-5,364	-4,936	0,000	5,124	5,552	5,552	7,842	
Cota Camada 1 (m)					13,220	13,318	13,216				
Cota Camada 3 (m)					13,140	13,238	13,136				
Cota Camada 6 (m)					13,100	13,198	13,096				
Cota Camada 7 (m)					12,950	13,048	12,946				
Cota (m):		12,965	12,918	12,791	12,800	12,898	12,796	12,787	12,914	12,960	
E:		708.327,6873	708.327,7668	708.327,7668	708.327,7814	708.327,9489	708.328,1228	708.328,1374	708.328,1374	708.328,2151	
N:		7.090.052,9157	7.090.050,5746	7.090.050,5746	7.090.050,1461	7.090.045,2133	7.090.040,0927	7.090.039,6644	7.090.039,6644	7.090.037,3757	
Station: 1+0											
Dist. Eixo (m):		-7,868	-5,736	-5,736	-5,307	0,000	5,602	6,031	6,031	8,712	
Cota Camada 1 (m)					13,159	13,234	13,126				
Cota Camada 3 (m)					13,079	13,154	13,046				
Cota Camada 6 (m)					13,039	13,114	13,006				
Cota Camada 7 (m)					12,889	12,964	12,856				
Cota (m):		12,900	12,858	12,730	12,739	12,814	12,706	12,697	12,824	12,878	
E:		708.337,6761	708.337,7484	708.337,7484	708.337,7630	708.337,9431	708.338,1333	708.338,1478	708.338,1478	708.338,2389	
N:		7.090.053,4160	7.090.051,2855	7.090.051,2855	7.090.050,8570	7.090.045,5528	7.090.039,9540	7.090.039,5257	7.090.039,5257	7.090.036,8453	
Station: 1+5											
Dist. Eixo (m):		-6,200	-5,429	-5,429	-5,000	0,000	12,450	12,878	12,878	13,200	
Cota Camada 1 (m)					13,089	13,189	13,034				
Cota Camada 3 (m)					13,009	13,109	12,954				
Cota Camada 6 (m)					12,969	13,069	12,914				
Cota Camada 7 (m)					12,819	12,919	12,764				
Cota (m):		12,803	12,788	12,660	12,669	12,769	12,614	12,605	12,732	12,738	
E:		708.343,0696	708.343,0958	708.343,0958	708.343,1103	708.343,2801	708.343,7027	708.343,7172	708.343,7172	708.343,7281	
N:		7.090.051,9305	7.090.051,1597	7.090.051,1597	7.090.050,7312	7.090.045,7340	7.090.033,2914	7.090.032,8630	7.090.032,8630	7.090.032,5421	
Station: 1+13											
Dist. Eixo (m):		-8,277	-5,429	-5,429	-5,142	0,000	12,260	12,402	12,402	12,840	
Cota (m):		12,783	12,796	12,669	12,675	12,777	12,567	12,564	12,595	12,604	
E:		708.351,0670	708.351,1636	708.351,1636	708.351,1734	708.351,3479	708.351,7641	708.351,7689	708.351,7689	708.351,7838	
N:		7.090.054,2799	7.090.051,4337	7.090.051,4337	7.090.051,1472	7.090.046,0081	7.090.033,7556	7.090.033,6136	7.090.033,6136	7.090.033,1750	
Station: 2+0											
Dist. Eixo (m):		-7,807	-5,577	-5,577	-5,148	0,000	5,102	5,531	5,531	7,832	
Cota Camada 1 (m)					13,120	13,214	13,102				
Cota Camada 3 (m)					13,040	13,134	13,022				
Cota Camada 6 (m)					13,000	13,094	12,982				
Cota Camada 7 (m)					12,850	12,944	12,832				
Cota (m):		12,863	12,818	12,691	12,700	12,794	12,682	12,673	12,800	12,846	
E:		708.357,6666	708.357,7423	708.357,7423	708.357,7569	708.357,9316	708.358,1048	708.358,1194	708.358,1194	708.358,1975	
N:		7.090.054,0342	7.090.051,8052	7.090.051,8052	7.090.051,3767	7.090.046,2317	7.090.041,1324	7.090.040,7040	7.090.040,7040	7.090.038,4046	
Station: 2+10											
Dist. Eixo (m):		-7,813	-5,442	-5,442	-5,013	0,000	4,987	5,415	5,415	7,823	
Cota Camada 1 (m)					13,139	13,239	13,139				
Cota Camada 3 (m)					13,059	13,159	13,059				
Cota Camada 6 (m)					13,019	13,119	13,019				
Cota Camada 7 (m)					12,869	12,969	12,869				
Cota (m):		12,884	12,837	12,710	12,719	12,819	12,719	12,711	12,838	12,886	
E:		708.367,6606	708.367,7411	708.367,7411	708.367,7557	708.367,9259	708.368,0951	708.368,1097	708.368,1097	708.368,1914	
N:		7.090.054,3798	7.090.052,0099	7.090.052,0099	7.090.051,5814	7.090.046,5711	7.090.041,5872	7.090.041,1589	7.090.041,1589	7.090.038,7522	
Station: 3+0											
Dist. Eixo (m):		-7,808	-5,437	-5,437	-5,008	0,000	4,992	5,420	5,420	7,815	
Cota Camada 1 (m)					13,164	13,264	13,164				
Cota Camada 3 (m)					13,084	13,184	13,084				
Cota Camada 6 (m)					13,044	13,144	13,044				
Cota Camada 7 (m)					12,894	12,994	12,894				
Cota (m):		12,910	12,862	12,735	12,744	12,844	12,744	12,736	12,862	12,910	
E:		708.377,6550	708.377,7355	708.377,7355	708.377,7501	708.377,9201	708.378,0895	708.378,1041	708.378,1041	708.378,1854	
N:		7.090.054,7145	7.090.052,3447	7.090.052,3447	7.090.051,9161	7.090.046,9106	7.090.041,9219	7.090.041,4936	7.090.041,4936	7.090.039,0999	
Station: 3+10											
Dist. Eixo (m):		-7,804	-5,433	-5,433	-5,004	0,000	4,996	5,425	5,425	7,807	
Cota Camada 1 (m)					13,189	13,289	13,189				
Cota Camada 3 (m)					13,109	13,209	13,109				
Cota Camada 6 (m)					13,069	13,169	13,069				
Cota Camada 7 (m)					12,919	13,019	12,919				
Cota (m):		12,935	12,887	12,760	12,769	12,869	12,769	12,761	12,887	12,935	
E:		708.387,6494	708.387,7299	708.387,7299	708.387,7445	708.387,9143	708.388,0839	708.388,0985	708.388,0985	708.388,1793	
N:		7.090.055,0492	7.090.052,6794	7.090.052,6794	7.090.052,2509	7.090.047,2500	7.090.042,2566	7.090.041,8283	7.090.041,8281	7.090.039,4476	

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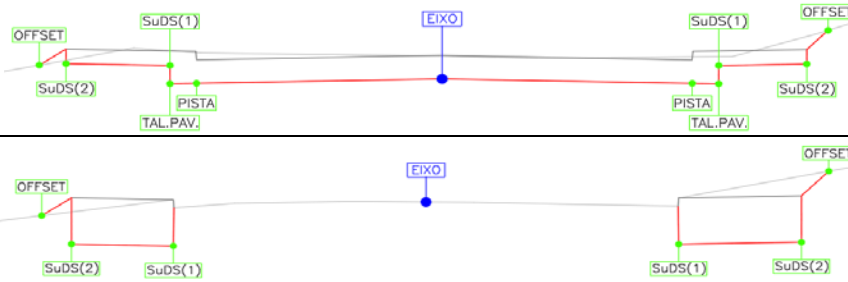
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 4+0											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota Camada 1 (m)					13,214	13,314	13,214				
Cota Camada 3 (m)					13,134	13,234	13,134				
Cota Camada 6 (m)					13,094	13,194	13,094				
Cota Camada 7 (m)					12,944	13,044	12,944				
Cota (m):					12,794	12,894	12,794				
E:					708.397,8156	708.397,9096	708.398,0036				
N:					7.090.052,5492	7.090.047,5501	7.090.042,5509				
Station: 4+10											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota Camada 1 (m)					13,239	13,339	13,239				
Cota Camada 3 (m)					13,159	13,259	13,159				
Cota Camada 6 (m)					13,119	13,219	13,119				
Cota Camada 7 (m)					12,969	13,069	12,969				
Cota (m):					12,819	12,919	12,819				
E:					708.407,8139	708.407,9078	708.408,0018				
N:					7.090.052,7371	7.090.047,7380	7.090.042,7389				
Station: 5+0											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota Camada 1 (m)					13,264	13,364	13,264				
Cota Camada 3 (m)					13,184	13,284	13,184				
Cota Camada 6 (m)					13,144	13,244	13,144				
Cota Camada 7 (m)					12,994	13,094	12,994				
Cota (m):					12,844	12,944	12,844				
E:					708.417,8121	708.417,9061	708.418,0000				
N:					7.090.052,9251	7.090.047,9260	7.090.042,9268				
Station: 5+10											
Dist. Eixo (m):		-7,998	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	8,000	
Cota Camada 1 (m)					13,284	13,384	13,284				
Cota Camada 3 (m)					13,204	13,304	13,204				
Cota Camada 6 (m)					13,164	13,264	13,164				
Cota Camada 7 (m)					13,014	13,114	13,014				
Cota (m):		13,033	12,982	12,855	12,864	12,964	12,864	12,855	12,982	13,033	
E:		708.427,6735	708.427,7470	708.427,7470	708.427,7592	708.427,9021	708.428,0449	708.428,0572	708.428,0572	708.428,1306	
N:		7.090.056,2032	7.090.053,6348	7.090.053,6348	7.090.053,2062	7.090.048,2082	7.090.043,2102	7.090.042,7818	7.090.042,7818	7.090.040,2115	
Station: 6+0											
Dist. Eixo (m):		-7,996	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	8,000	
Cota Camada 1 (m)					13,272	13,372	13,272				
Cota Camada 3 (m)					13,192	13,292	13,192				
Cota Camada 6 (m)					13,152	13,252	13,152				
Cota Camada 7 (m)					13,002	13,102	13,002				
Cota (m):		13,022	12,971	12,843	12,852	12,952	12,852	12,844	12,971	13,022	
E:		708.437,6695	708.437,7429	708.437,7429	708.437,7551	708.437,8980	708.438,0408	708.438,0531	708.438,0531	708.438,1266	
N:		7.090.056,4870	7.090.053,9205	7.090.053,9205	7.090.053,4919	7.090.048,4939	7.090.043,4960	7.090.043,0676	7.090.043,0676	7.090.040,4972	
Station: 6+10											
Dist. Eixo (m):		-7,994	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	8,000	
Cota Camada 1 (m)					13,234	13,334	13,234				
Cota Camada 3 (m)					13,154	13,254	13,154				
Cota Camada 6 (m)					13,114	13,214	13,114				
Cota Camada 7 (m)					12,964	13,064	12,964				
Cota (m):		12,983	12,932	12,805	12,814	12,914	12,814	12,805	12,932	12,983	
E:		708.447,6655	708.447,7388	708.447,7388	708.447,7510	708.447,8939	708.448,0368	708.448,0490	708.448,0490	708.448,1225	
N:		7.090.056,7708	7.090.054,2062	7.090.054,2062	7.090.053,7776	7.090.048,7796	7.090.043,7817	7.090.043,3533	7.090.043,3533	7.090.040,7829	
Station: 6+15											
Dist. Eixo (m):		-7,981	-5,420	-5,420	-4,992	0,000	5,000	5,429	5,425	8,011	
Cota Camada 1 (m)					13,209	13,309	13,209				
Cota Camada 3 (m)					13,129	13,229	13,129				
Cota Camada 6 (m)					13,089	13,189	13,089				
Cota Camada 7 (m)					12,939	13,039	12,939				
Cota (m):		12,958	12,907	12,780	12,789	12,889	12,789	12,780	12,887	12,959	
E:		708.453,6503	708.453,7235	708.453,7235	708.453,7358	708.453,8786	708.454,0215	708.454,0338	708.388,0985	708.454,1075	
N:		7.090.056,9407	7.090.054,3773	7.090.054,3773	7.090.053,9487	7.090.048,9507	7.090.043,9528	7.090.043,5244	7.090.041,8281	7.090.040,9429	
Station: 7+0											
Dist. Eixo (m):		-8,396	-5,417	-5,417	-4,988	0,000	5,681	6,109	6,109	9,324	
Cota Camada 1 (m)					13,192	13,292	13,178				
Cota Camada 3 (m)					13,112	13,212	13,098				
Cota Camada 6 (m)					13,072	13,172	13,058				
Cota Camada 7 (m)					12,922	13,022	12,908				
Cota (m):		12,948	12,891	12,763	12,772	12,872	12,758	12,750	12,877	12,941	
E:		708.457,1655	708.457,4180	708.457,4180	708.457,4543	708.457,8770	708.458,3584	708.458,3948	708.458,3948	708.458,6672	
N:		7.090.057,6568	7.090.054,6881	7.090.054,6881	7.090.054,2609	7.090.049,2908	7.090.043,6305	7.090.043,2035	7.090.043,2035	7.090.040,0001	

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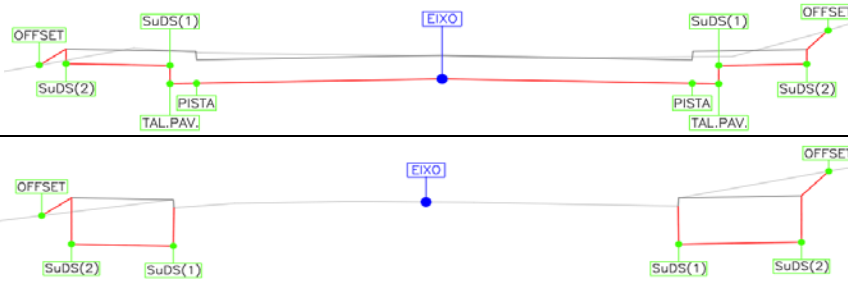
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 8+0											
Dist. Eixo (m):		-8,276	-5,429	-5,429	-5,000	0,000	5,097	5,526	5,526	7,993	
Cota Camada 1 (m)					13,197	13,281	13,171				
Cota Camada 3 (m)					13,117	13,201	13,091				
Cota Camada 6 (m)					13,077	13,161	13,051				
Cota Camada 7 (m)					12,927	13,011	12,901				
Cota (m):		12,952	12,896	12,768	12,777	12,861	12,751	12,743	12,870	12,919	
E:		708.477,1038	708.477,3450	708.477,3450	708.477,3814	708.477,8051	708.478,2370	708.478,2734	708.478,2734	708.478,4824	
N:		7.090.059,2316	7.090.056,3949	7.090.056,3949	7.090.055,9677	7.090.050,9857	7.090.045,9068	7.090.045,4798	7.090.045,4798	7.090.043,0214	
Station: 8+1											
Dist. Eixo (m):		-8,011	-5,429	-5,429	-5,000	0,000	5,002	5,430	5,425	8,011	
Cota Camada 1 (m)					13,183	13,279	13,170				
Cota Camada 3 (m)					13,103	13,199	13,090				
Cota Camada 6 (m)					13,063	13,159	13,050				
Cota Camada 7 (m)					12,913	13,009	12,900				
Cota (m):		12,935	12,881	12,754	12,763	12,859	12,750	12,742	12,887	12,920	
E:		708.478,2420	708.478,4608	708.478,4608	708.478,4972	708.478,9209	708.479,3455	708.479,3818	708.388,0985	708.479,6009	
N:		7.090.059,0627	7.090.056,4898	7.090.056,4898	7.090.056,0626	7.090.051,0806	7.090.046,0885	7.090.045,6614	7.090.041,8281	7.090.043,0851	
Station: 8+10											
Dist. Eixo (m):		-7,779	-5,429	-5,429	-5,000	0,000	4,988	5,416	5,416	7,965	
Cota Camada 1 (m)					13,164	13,264	13,164				
Cota Camada 3 (m)					13,084	13,184	13,084				
Cota Camada 6 (m)					13,044	13,144	13,044				
Cota Camada 7 (m)					12,894	12,994	12,894				
Cota (m):		12,909	12,862	12,735	12,744	12,844	12,744	12,735	12,862	12,913	
E:		708.487,5889	708.487,6520	708.487,6520	708.487,6635	708.487,7978	708.487,9318	708.487,9433	708.487,9433	708.488,0118	
N:		7.090.059,0955	7.090.056,7459	7.090.056,7459	7.090.056,3173	7.090.051,3191	7.090.046,3334	7.090.045,9049	7.090.045,9049	7.090.043,3575	
Station: 9+0											
Dist. Eixo (m):		-7,786	-5,429	-5,429	-5,000	0,000	4,991	5,420	5,420	7,909	
Cota Camada 1 (m)					13,146	13,246	13,147				
Cota Camada 3 (m)					13,066	13,166	13,067				
Cota Camada 6 (m)					13,026	13,126	13,027				
Cota Camada 7 (m)					12,876	12,976	12,877				
Cota (m):		12,892	12,845	12,717	12,726	12,826	12,727	12,718	12,845	12,895	
E:		708.497,5851	708.497,6484	708.497,6484	708.497,6599	708.497,7942	708.497,9283	708.497,9398	708.497,9398	708.498,0067	
N:		7.090.059,3705	7.090.057,0145	7.090.057,0145	7.090.056,5859	7.090.051,5877	7.090.046,5984	7.090.046,1700	7.090.046,1700	7.090.043,6811	
Station: 9+10											
Dist. Eixo (m):		-7,792	-5,429	-5,429	-5,000	0,000	4,995	5,423	5,425	7,854	
Cota Camada 1 (m)					13,129	13,229	13,129				
Cota Camada 3 (m)					13,049	13,149	13,049				
Cota Camada 6 (m)					13,009	13,109	13,009				
Cota Camada 7 (m)					12,859	12,959	12,859				
Cota (m):		12,875	12,827	12,700	12,709	12,809	12,709	12,701	12,887	12,876	
E:		708.507,5813	708.507,6448	708.507,6448	708.507,6563	708.507,7906	708.507,9248	708.507,9363	708.388,0985	708.508,0016	
N:		7.090.059,6456	7.090.057,2831	7.090.057,2831	7.090.056,8545	7.090.051,8563	7.090.046,8634	7.090.046,4350	7.090.041,8281	7.090.044,0047	
Station: 9+19											
Dist. Eixo (m):		-7,851	-5,428	-5,428	-5,000	0,000	5,141	5,569	5,569	7,915	
Cota Camada 1 (m)					13,127	13,219	13,121				
Cota Camada 3 (m)					13,047	13,139	13,041				
Cota Camada 6 (m)					13,007	13,099	13,001				
Cota Camada 7 (m)					12,857	12,949	12,851				
Cota (m):		12,874	12,825	12,698	12,707	12,799	12,701	12,693	12,819	12,866	
E:		708.516,9208	708.516,9859	708.516,9859	708.516,9974	708.517,1317	708.517,2698	708.517,2813	708.517,2813	708.517,3443	
N:		7.090.059,9564	7.090.057,5341	7.090.057,5341	7.090.057,1055	7.090.052,1073	7.090.046,9687	7.090.046,5402	7.090.046,5402	7.090.044,1952	
Station: 10+0											
Dist. Eixo (m):		-7,884	-5,429	-5,429	-5,000	0,000	5,319	5,747	5,747	8,273	
Cota Camada 1 (m)					13,134	13,219	13,125				
Cota Camada 3 (m)					13,054	13,139	13,045				
Cota Camada 6 (m)					13,014	13,099	13,005				
Cota Camada 7 (m)					12,864	12,949	12,855				
Cota (m):		12,881	12,832	12,705	12,714	12,799	12,705	12,696	12,820	12,871	
E:		708.517,4902	708.517,5826	708.517,5826	708.517,5987	708.517,7868	708.517,9869	708.518,0030	708.518,0030	708.518,0980	
N:		7.090.060,0100	7.090.057,5569	7.090.057,5569	7.090.057,1284	7.090.052,1320	7.090.046,8171	7.090.046,3888	7.090.046,3888	7.090.043,8648	
Station: 10+10											
Dist. Eixo (m):				-13,252		0,000		13,000			
Cota Camada 1 (m)					0,420	13,240	0,420				
Cota Camada 3 (m)					0,340	13,160	0,340				
Cota Camada 6 (m)					0,300	13,120	0,300				
Cota Camada 7 (m)					0,150	12,970	0,150				
Cota (m):				12,636		12,820		12,577			
E:				708.527,2812		708.527,7797		708.528,2687			
N:				7.090.065,7505		7.090.052,5082		7.090.039,5174			

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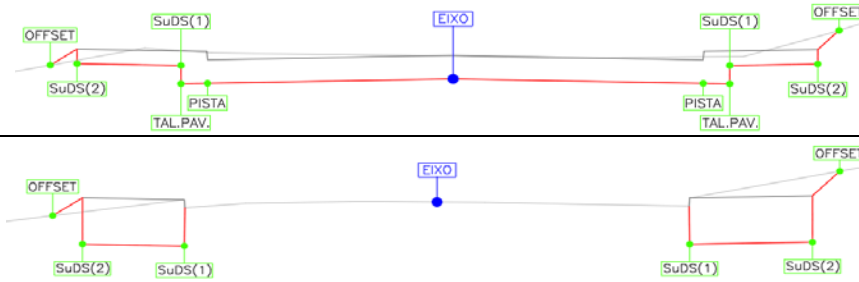
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 10+18											
Dist. Eixo (m):		-8,675	-6,242	-6,242	-5,813	0,000	5,555	5,935	5,935	8,382	
Cota Camada 1 (m)					13,163	13,279	13,168				
Cota Camada 3 (m)					13,083	13,199	13,088				
Cota Camada 6 (m)					13,043	13,159	13,048				
Cota Camada 7 (m)					12,893	13,009	12,898				
Cota (m):		12,909	12,861	12,734	12,743	12,859	12,748	12,740	12,867	12,916	
E:		708.536,3385	708.536,4300	708.536,4300	708.537,4461	708.536,6648	708.536,8738	708.536,8881	708.536,8881	708.536,9801	
N:		7.090.061,5117	7.090.059,0802	7.090.059,0802	7.090.058,6517	7.090.052,8426	7.090.047,2913	7.090.046,9116	7.090.046,9116	7.090.044,4665	
Station: 11+0											
Dist. Eixo (m):		-8,206	-5,800	-5,800	-5,372	0,000	5,178	5,606	5,606	8,092	
Cota Camada 1 (m)					13,176	13,284	13,180				
Cota Camada 3 (m)					13,096	13,204	13,100				
Cota Camada 6 (m)					13,056	13,164	13,060				
Cota Camada 7 (m)					12,906	13,014	12,910				
Cota (m):		12,921	12,875	12,747	12,756	12,864	12,760	12,752	12,874	12,924	
E:		708.537,4640	708.537,5544	708.537,5544	708.537,5706	708.537,7726	708.537,9674	708.537,9835	708.537,9835	708.538,0771	
N:		7.090.061,0844	7.090.058,6806	7.090.058,6806	7.090.058,2521	7.090.052,8843	7.090.047,7103	7.090.047,2820	7.090.047,2820	7.090.044,7976	
Station: 11+1											
Dist. Eixo (m):		-7,884	-5,498	-5,498	-5,069	0,000	5,000	5,429	5,429	7,712	
Cota Camada 1 (m)					13,189	13,290	13,190				
Cota Camada 3 (m)					13,109	13,210	13,110				
Cota Camada 6 (m)					13,069	13,170	13,070				
Cota Camada 7 (m)					12,919	13,020	12,920				
Cota (m):		12,935	12,887	12,760	12,769	12,870	12,770	12,762	12,888	12,934	
E:		708.538,8759	708.538,9656	708.538,9656	708.538,9818	708.539,1725	708.539,3606	708.539,3767	708.539,3767	708.539,4626	
N:		7.090.060,8153	7.090.058,4309	7.090.058,4309	7.090.058,0025	7.090.052,9370	7.090.047,9401	7.090.047,5118	7.090.047,5118	7.090.045,2302	
Station: 11+10											
Dist. Eixo (m):		-7,777	-5,432	-5,432	-5,003	0,000	4,997	5,425	5,425	7,878	
Cota Camada 1 (m)					13,230	13,330	13,230				
Cota Camada 3 (m)					13,150	13,250	13,150				
Cota Camada 6 (m)					13,110	13,210	13,110				
Cota Camada 7 (m)					12,960	13,060	12,960				
Cota (m):		12,975	12,928	12,801	12,810	12,910	12,810	12,801	12,928	12,977	
E:		708.547,4353	708.547,5344	708.547,5344	708.547,5525	708.547,7640	708.547,9751	708.547,9932	708.547,9932	708.548,0969	
N:		7.090.061,0708	7.090.058,7276	7.090.058,7276	7.090.058,2992	7.090.053,3004	7.090.048,3083	7.090.047,8801	7.090.047,8801	7.090.045,4290	
Station: 12+0											
Dist. Eixo (m):		-8,002	-5,431	-5,431	-5,003	0,000	4,997	5,426	5,426	7,921	
Cota Camada 1 (m)					13,275	13,375	13,275				
Cota Camada 3 (m)					13,195	13,295	13,195				
Cota Camada 6 (m)					13,155	13,255	13,155				
Cota Camada 7 (m)					13,005	13,105	13,005				
Cota (m):		13,025	12,974	12,846	12,855	12,955	12,855	12,847	12,974	13,024	
E:		708.557,4169	708.557,5255	708.557,5255	708.557,5436	708.557,7550	708.557,9662	708.557,9843	708.557,9843	708.558,0897	
N:		7.090.061,7183	7.090.059,1495	7.090.059,1495	7.090.058,7211	7.090.053,7230	7.090.048,7302	7.090.048,3020	7.090.048,3020	7.090.045,8092	
Station: 12+10											
Dist. Eixo (m):		-7,781	-5,431	-5,431	-5,002	0,000	4,998	5,426	5,426	7,957	
Cota Camada 1 (m)					13,306	13,406	13,306				
Cota Camada 3 (m)					13,226	13,326	13,226				
Cota Camada 6 (m)					13,186	13,286	13,186				
Cota Camada 7 (m)					13,036	13,136	13,036				
Cota (m):		13,050	13,004	12,877	12,886	12,986	12,886	12,877	13,004	13,055	
E:		708.567,4173	708.567,5166	708.567,5166	708.567,5347	708.567,7461	708.567,9573	708.567,9754	708.567,9754	708.568,0824	
N:		7.090.061,9199	7.090.059,5713	7.090.059,5713	7.090.059,1429	7.090.054,1456	7.090.049,1522	7.090.048,7240	7.090.048,7240	7.090.046,1955	
Station: 13+0											
Dist. Eixo (m):		-7,808	-5,430	-5,430	-5,001	0,000	4,998	5,427	5,427	8,550	
Cota Camada 1 (m)					13,277	13,377	13,277				
Cota Camada 3 (m)					13,197	13,297	13,197				
Cota Camada 6 (m)					13,157	13,257	13,157				
Cota Camada 7 (m)					13,007	13,107	13,007				
Cota (m):		13,023	12,976	12,848	12,857	12,957	12,857	12,849	12,976	13,038	
E:		708.577,4072	708.577,5077	708.577,5077	708.577,5258	708.577,7372	708.577,9484	708.577,9665	708.577,9665	708.578,0985	
N:		7.090.062,3689	7.090.059,9932	7.090.059,9932	7.090.059,5648	7.090.054,5681	7.090.049,5741	7.090.049,1460	7.090.049,1460	7.090.046,0261	
Station: 13+10											
Dist. Eixo (m):		-7,759	-5,429	-5,429	-5,000	0,000	13,211				
Cota Camada 1 (m)					13,213	13,313	13,049				
Cota Camada 3 (m)					13,133	13,233	12,969				
Cota Camada 6 (m)					13,093	13,193	12,929				
Cota Camada 7 (m)					12,943	13,043	12,779				
Cota (m):		12,958	12,911	12,784	12,793	12,893	12,629				
E:		708.587,4004	708.587,4988	708.587,4988	708.587,5169	708.587,7282	708.588,2865				
N:		7.090.062,7430	7.090.060,4150	7.090.060,4150	7.090.059,9866	7.090.054,9907	7.090.041,7917				

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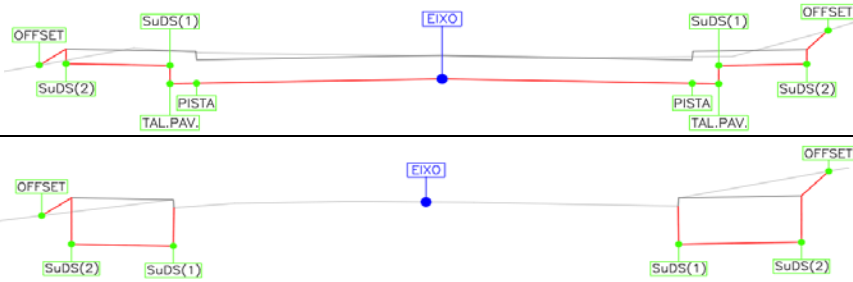
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 14+0											
Dist. Eixo (m):		-7,756	-5,428	-5,428	-5,000	0,000	5,000	5,428	5,428	8,263	
Cota Camada 1 (m)					13,215	13,315	13,215				
Cota Camada 3 (m)					13,135	13,235	13,135				
Cota Camada 6 (m)					13,095	13,195	13,095				
Cota Camada 7 (m)					12,945	13,045	12,945				
Cota (m):		12,960	12,914	12,786	12,795	12,895	12,795	12,787	12,913	12,970	
E:		708.597,3916	708.597,4899	708.597,4899	708.597,5080	708.597,7193	708.597,9306	708.597,9487	708.597,9487	708.598,0685	
N:		7.090.063,1619	7.090.060,8368	7.090.060,8368	7.090.060,4084	7.090.055,4133	7.090.050,4181	7.090.049,9899	7.090.049,9899	7.090.047,1574	
Station: 14+1											
Dist. Eixo (m):		-7,755	-5,428	-5,428	-5,000	0,000	5,000	5,428	5,428	7,994	
Cota Camada 1 (m)					13,217	13,317	13,217				
Cota Camada 3 (m)					13,137	13,237	13,137				
Cota Camada 6 (m)					13,097	13,197	13,097				
Cota Camada 7 (m)					12,947	13,047	12,947				
Cota (m):		12,962	12,915	12,788	12,797	12,897	12,797	12,788	12,916	12,967	
E:		708.598,5845	708.598,6828	708.598,6828	708.598,7010	708.598,9122	708.599,1235	708.599,1416	708.599,1416	708.599,2500	
N:		7.090.063,2123	7.090.060,8872	7.090.060,8872	7.090.060,4588	7.090.055,4637	7.090.050,4684	7.090.050,0403	7.090.050,0403	7.090.047,4770	
Station: 14+5											
Dist. Eixo (m):		-7,755	-5,009			0,000			5,010	7,937	
Cota (m):		12,975	12,921						12,920	12,979	
E:		708.602,5876	708.602,7037			708.602,9154			708.603,1271	708.603,2508	
N:		7.090.063,3815	7.090.060,6378			7.090.055,6330			7.090.050,6275	7.090.047,7030	
Station: 14+10											
Dist. Eixo (m):		-7,782	-5,035			0,000			4,984	7,957	
Cota (m):		12,987	12,932						12,934	12,993	
E:		708.607,4253	708.607,5262			708.607,7114			708.607,8947	708.608,0040	
N:		7.090.063,5859	7.090.060,8414			7.090.055,8095			7.090.050,8289	7.090.047,8579	
Station: 15+0											
Dist. Eixo (m):						0,000			4,943	8,081	
Cota (m):									12,946	13,009	
E:						708.617,7046			708.617,8864	708.618,0018	
N:						7.090.056,1773			7.090.051,2376	7.090.048,1013	
Station: 15+10											
Dist. Eixo (m):						0,000			4,952	8,110	
Cota (m):									12,920	12,983	
E:						708.627,6979			708.627,8800	708.627,9961	
N:						7.090.056,5450			7.090.051,5961	7.090.048,4406	
Station: 16+0											
Dist. Eixo (m):						0,000			4,961	8,017	
Cota (m):									12,936	12,998	
E:						708.637,6911			708.637,8736	708.637,9859	
N:						7.090.056,9127			7.090.051,9547	7.090.048,9008	
Station: 16+10											
Dist. Eixo (m):		-7,934	-5,049			0,000			4,971	7,935	
Cota (m):		12,956	12,898						12,900	12,959	
E:		708.647,3926	708.647,4987			708.647,6844			708.647,8671	708.647,9761	
N:		7.090.065,2088	7.090.062,3264			7.090.057,2804			7.090.052,3132	7.090.049,3513	
Station: 17+0											
Dist. Eixo (m):		-8,058	-5,040			0,000			4,980	7,850	
Cota (m):		12,890	12,830						12,831	12,888	
E:		708.657,3813	708.657,4923			708.657,6776			708.657,8607	708.657,9663	
N:		7.090.065,7007	7.090.062,6850			7.090.057,6482			7.090.052,6718	7.090.049,8031	
Station: 17+10											
Dist. Eixo (m):		-8,134	-5,143			0,000			4,989	7,823	
Cota (m):		12,798	12,739						12,742	12,798	
E:		708.667,3717	708.667,4817			708.667,6708			708.667,8543	708.667,9585	
N:		7.090.066,1444	7.090.063,1559			7.090.058,0159			7.090.053,0303	7.090.050,1986	
Station: 18+0											
Dist. Eixo (m):		-8,324	-5,334			0,000			4,998	7,838	
Cota (m):		12,745	12,685						12,692	12,749	
E:		708.677,3580	708.677,4679			708.677,6641			708.677,8479	708.677,9523	
N:		7.090.066,7024	7.090.063,7139			7.090.058,3836			7.090.053,3888	7.090.050,5508	
Station: 18+10											
Dist. Eixo (m):		-8,515	-5,524			0,000			5,010	7,862	
Cota (m):		12,770	12,711						12,721	12,778	
E:		708.687,3442	708.687,4542			708.687,6573			708.687,8416	708.687,9464	
N:		7.090.067,2605	7.090.064,2720			7.090.058,7513			7.090.053,7443	7.090.050,8942	

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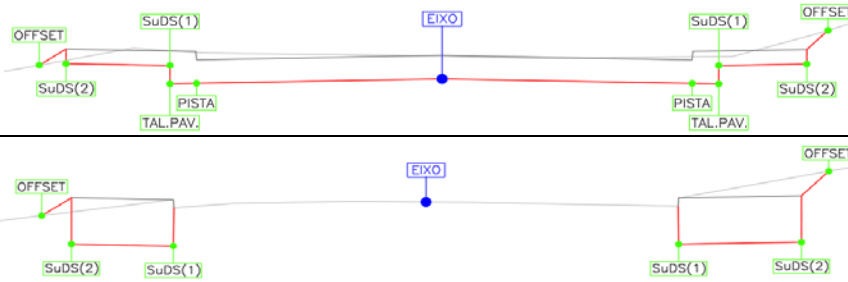
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 19+10											
Dist. Eixo (m):		-8,226	-6,340	-6,340	-5,941	0,000	4,799	5,197	5,197	6,963	
Cota Camada 1 (m)					13,033	13,053	13,001				
Cota Camada 3 (m)					12,953	12,973	12,921				
Cota Camada 6 (m)					12,913	12,933	12,881				
Cota Camada 7 (m)					12,793	12,813	12,761				
Cota (m):		12,714	12,730	12,635	12,643	12,663	12,611	12,604	12,700	12,735	
E:		708.707,1326	708.707,2448	708.707,2448	708.707,2685	708.707,6221	708.707,9077	708.707,9314	708.707,9314	708.708,0365	
N:		7.090.068,1474	7.090.066,2647	7.090.066,2647	7.090.065,8672	7.090.059,9363	7.090.055,1460	7.090.054,7487	7.090.054,7487	7.090.052,9856	
Station: 20+0											
Dist. Eixo (m):		-5,946	-4,444	-4,444	-4,046	0,000	3,954	4,352	4,352	5,607	
Cota Camada 1 (m)					12,917	12,998	12,919				
Cota Camada 3 (m)					12,837	12,918	12,839				
Cota Camada 6 (m)					12,797	12,878	12,799				
Cota Camada 7 (m)					12,677	12,758	12,679				
Cota (m):		12,645	12,615	12,519	12,527	12,608	12,529	12,521	12,617	12,642	
E:		708.717,3948	708.717,4504	708.717,4504	708.717,4652	708.717,6150	708.717,7615	708.717,7762	708.717,7762	708.717,8227	
N:		7.090.066,2532	7.090.064,7524	7.090.064,7524	7.090.064,3546	7.090.060,3112	7.090.056,3600	7.090.055,9623	7.090.055,9623	7.090.054,7082	
Station: 20+10											
Dist. Eixo (m):		-5,933	-4,431	-4,431	-4,033	0,000	3,967	4,365	4,365	5,867	
Cota Camada 1 (m)					12,877	12,957	12,878				
Cota Camada 3 (m)					12,797	12,877	12,798				
Cota Camada 6 (m)					12,757	12,837	12,758				
Cota Camada 7 (m)					12,637	12,717	12,638				
Cota (m):		12,604	12,574	12,479	12,487	12,567	12,488	12,480	12,576	12,606	
E:		708.727,3884	708.727,4441	708.727,4441	708.727,4588	708.727,6082	708.727,7551	708.727,7698	708.727,7698	708.727,8255	
N:		7.090.066,6105	7.090.065,1097	7.090.065,1097	7.090.064,7118	7.090.060,6816	7.090.056,7172	7.090.056,3196	7.090.056,3196	7.090.054,8185	
Station: 21+0											
Dist. Eixo (m):		-5,920	-4,418	-4,418	-4,020	0,000	3,980	4,378	4,378	5,880	
Cota Camada 1 (m)					12,918	12,999	12,919				
Cota Camada 3 (m)					12,838	12,919	12,839				
Cota Camada 6 (m)					12,798	12,879	12,799				
Cota Camada 7 (m)					12,678	12,759	12,679				
Cota (m):		12,646	12,616	12,520	12,528	12,609	12,529	12,521	12,617	12,647	
E:		708.737,3821	708.737,4377	708.737,4377	708.737,4524	708.737,6013	708.737,7487	708.737,7635	708.737,7635	708.737,8191	
N:		7.090.066,9677	7.090.065,4669	7.090.065,4669	7.090.065,0690	7.090.061,0520	7.090.057,0745	7.090.056,6768	7.090.056,6768	7.090.055,1758	
Station: 21+10											
Dist. Eixo (m):		-5,907	-4,405	-4,405	-4,007	0,000	3,993	4,391	4,391	5,893	
Cota Camada 1 (m)					13,038	13,118	13,039				
Cota Camada 3 (m)					12,958	13,038	12,959				
Cota Camada 6 (m)					12,918	12,998	12,919				
Cota Camada 7 (m)					12,798	12,878	12,799				
Cota (m):		12,766	12,736	12,640	12,648	12,728	12,649	12,641	12,736	12,766	
E:		708.747,3757	708.747,4313	708.747,4313	708.747,4461	708.747,5944	708.747,7423	708.747,7571	708.747,7571	708.747,8127	
N:		7.090.067,3249	7.090.065,8241	7.090.065,8241	7.090.065,4262	7.090.061,4223	7.090.057,4317	7.090.057,0340	7.090.057,0340	7.090.055,5330	
Station: 22+0											
Dist. Eixo (m):		-5,893	-4,392	-4,392	-3,993	0,000	4,007	4,405	4,405	5,907	
Cota Camada 1 (m)					13,168	13,248	13,167				
Cota Camada 3 (m)					13,088	13,168	13,087				
Cota Camada 6 (m)					13,048	13,128	13,047				
Cota Camada 7 (m)					12,928	13,008	12,927				
Cota (m):		12,896	12,866	12,770	12,778	12,858	12,777	12,770	12,865	12,895	
E:		708.757,3693	708.757,4249	708.757,4249	708.757,4397	708.757,5876	708.757,7360	708.757,7507	708.757,7507	708.757,8063	
N:		7.090.067,6821	7.090.066,1813	7.090.066,1813	7.090.065,7834	7.090.061,7927	7.090.057,7889	7.090.057,3912	7.090.057,3912	7.090.055,8902	
Station: 22+10											
Dist. Eixo (m):					-10,441	0,000	9,000				
Cota Camada 1 (m)					13,142	13,351	13,287				
Cota Camada 3 (m)					13,062	13,271	13,207				
Cota Camada 6 (m)					13,022	13,231	13,167				
Cota Camada 7 (m)					12,902	13,111	13,047				
Cota (m):					12,752	12,961	12,897				
E:					708.767,1940	708.767,5807	708.767,9141				
N:					7.090.072,5970	7.090.062,1631	7.090.053,1692				
Station: 23+0											
Dist. Eixo (m):		-9,921	-6,720	-6,720	-6,321	0,000	5,801	6,199	6,199	9,134	
Cota Camada 1 (m)					13,369	13,409	13,321				
Cota Camada 3 (m)					13,289	13,329	13,241				
Cota Camada 6 (m)					13,249	13,289	13,201				
Cota Camada 7 (m)					13,129	13,169	13,081				
Cota (m):		13,130	13,067	12,971	12,979	13,019	12,931	12,923	13,018	13,077	
E:		708.777,2064	708.777,3250	708.777,3250	708.777,3397	708.777,5739	708.777,7887	708.777,8035	708.777,8035	708.777,9122	
N:		7.090.072,4481	7.090.069,2484	7.090.069,2484	7.090.068,8506	7.090.062,5334	7.090.056,7361	7.090.056,3384	7.090.056,3384	7.090.053,4057	

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NOTA DE SERVIÇO
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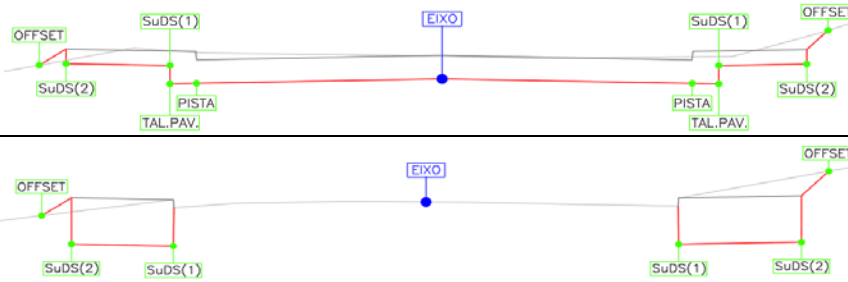
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 23+5											
Dist. Eixo (m):		-5,872	-4,396	-4,396	-3,998	0,000	4,002	4,400	4,400	5,858	
Cota Camada 1 (m)					13,353	13,433	13,353				
Cota Camada 3 (m)					13,273	13,353	13,273				
Cota Camada 6 (m)					13,233	13,313	13,233				
Cota Camada 7 (m)					13,113	13,193	13,113				
Cota (m):		13,079	13,051	12,955	12,963	13,043	12,963	12,955	13,051	13,080	
E:		708.783,1373	708.783,1919	708.783,1919	708.783,2067	708.783,3548	708.783,5030	708.783,5177	708.783,5177	708.783,5717	
N:		7.090.068,6157	7.090.067,1409	7.090.067,1409	7.090.066,7430	7.090.062,7477	7.090.058,7484	7.090.058,3507	7.090.058,3507	7.090.056,8935	
Station: 23+10											
Dist. Eixo (m):		-5,885	-4,410	-4,410	-4,012	0,000	3,988	4,386	4,386	5,865	
Cota Camada 1 (m)					13,370	13,450	13,370				
Cota Camada 3 (m)					13,290	13,370	13,290				
Cota Camada 6 (m)					13,250	13,330	13,250				
Cota Camada 7 (m)					13,130	13,210	13,130				
Cota (m):		13,097	13,068	12,972	12,980	13,060	12,980	12,972	13,068	13,098	
E:		708.787,3434	708.787,3994	708.787,3994	708.787,4145	708.787,5669	708.787,7183	708.787,7334	708.787,7334	708.787,7896	
N:		7.090.068,7881	7.090.067,3143	7.090.067,3143	7.090.066,9165	7.090.062,9078	7.090.058,9222	7.090.058,5245	7.090.058,5245	7.090.057,0466	
Station: 24+0											
Dist. Eixo (m):		-5,919	-4,442	-4,442	-4,044	0,000	3,956	4,354	4,354	5,866	
Cota Camada 1 (m)					13,410	13,491	13,410				
Cota Camada 3 (m)					13,330	13,411	13,330				
Cota Camada 6 (m)					13,290	13,371	13,290				
Cota Camada 7 (m)					13,170	13,251	13,170				
Cota (m):		13,137	13,108	13,012	13,020	13,101	13,022	13,014	13,110	13,140	
E:		708.797,3349	708.797,3909	708.797,3909	708.797,4061	708.797,5596	708.797,7099	708.797,7250	708.797,7250	708.797,7824	
N:		7.090.069,2020	7.090.067,7263	7.090.067,7263	7.090.067,3284	7.090.063,2875	7.090.059,3341	7.090.058,9364	7.090.058,9364	7.090.057,4254	
Station: 24+10											
Dist. Eixo (m):		-5,953	-4,474	-4,474	-4,076	0,000	3,924	4,322	4,322	5,867	
Cota Camada 1 (m)					13,450	13,532	13,450				
Cota Camada 3 (m)					13,370	13,452	13,370				
Cota Camada 6 (m)					13,330	13,412	13,330				
Cota Camada 7 (m)					13,210	13,292	13,210				
Cota (m):		13,177	13,148	13,052	13,060	13,142	13,063	13,055	13,151	13,182	
E:		708.807,3263	708.807,3825	708.807,3825	708.807,3976	708.807,5524	708.807,7015	708.807,7166	708.807,7166	708.807,7752	
N:		7.090.069,6159	7.090.068,1382	7.090.068,1382	7.090.067,7403	7.090.063,6673	7.090.059,7460	7.090.059,3484	7.090.059,3484	7.090.057,8043	
Station: 24+18											
Dist. Eixo (m):		-5,981	-4,461	-4,461	-4,102	0,000	3,937	4,296	4,296	5,868	
Cota Camada 1 (m)					13,483	13,565	13,483				
Cota Camada 3 (m)					13,403	13,485	13,403				
Cota Camada 6 (m)					13,363	13,445	13,363				
Cota Camada 7 (m)					13,243	13,325	13,246				
Cota (m):		13,210	13,180	13,086	13,093	13,175	13,096	13,089	13,185	13,216	
E:		708.815,5161	708.815,5739	708.815,5739	708.815,5875	708.815,7433	708.815,8928	708.815,9064	708.815,9064	708.815,9661	
N:		7.090.069,9552	7.090.068,4365	7.090.068,4365	7.090.068,0779	7.090.063,9786	7.090.060,0445	7.090.059,6860	7.090.059,6860	7.090.058,1149	
Station: 25+0											
Dist. Eixo (m):		-5,987	-4,506	-4,506	-4,108	0,000	3,892	4,290	4,290	5,868	
Cota Camada 1 (m)					13,490	13,572	13,494				
Cota Camada 3 (m)					13,410	13,492	13,414				
Cota Camada 6 (m)					13,370	13,452	13,374				
Cota Camada 7 (m)					13,250	13,332	13,254				
Cota (m):		13,217	13,188	13,092	13,100	13,182	13,104	13,096	13,192	13,224	
E:		708.817,3178	708.817,3741	708.817,3741	708.817,3892	708.817,5452	708.817,6930	708.817,7081	708.817,7081	708.817,7681	
N:		7.090.070,0298	7.090.068,5501	7.090.068,5501	7.090.068,1522	7.090.064,0471	7.090.060,1579	7.090.059,7603	7.090.059,7603	7.090.058,1832	
Station: 25+10											
Dist. Eixo (m):		-6,021	-4,538	-4,538	-4,140	0,000	3,860	4,258	4,258	5,869	
Cota Camada 1 (m)					13,530	13,613	13,536				
Cota Camada 3 (m)					13,450	13,533	13,456				
Cota Camada 6 (m)					13,410	13,493	13,416				
Cota Camada 7 (m)					13,290	13,373	13,296				
Cota (m):		13,258	13,228	13,132	13,140	13,223	13,146	13,138	13,234	13,266	
E:		708.827,3093	708.827,3656	708.827,3656	708.827,3808	708.827,5380	708.827,6846	708.827,6997	708.827,6997	708.827,7609	
N:		7.090.070,4437	7.090.068,9620	7.090.068,9620	7.090.068,5641	7.090.064,4269	7.090.060,5699	7.090.060,1722	7.090.060,1722	7.090.058,5621	
Station: 26+0											
Dist. Eixo (m):		-10,733	-7,281	-7,281	-6,883	0,000	6,495	6,893	6,893	11,540	
Cota Camada 1 (m)					13,648	13,665	13,618				
Cota Camada 3 (m)					13,568	13,585	13,538				
Cota Camada 6 (m)					13,528	13,545	13,498				
Cota Camada 7 (m)					13,408	13,425	13,378				
Cota (m):		13,415	13,346	13,250	13,258	13,275	13,228	13,220	13,315	13,408	
E:		708.837,1232	708.837,2543	708.837,2543	708.837,2694	708.837,5308	708.837,7774	708.837,7926	708.837,7926	708.837,9690	
N:		7.090.075,5317	7.090.072,0820	7.090.072,0820	7.090.071,6842	7.090.064,8066	7.090.058,3166	7.090.057,9189	7.090.057,9189	7.090.053,2749	

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NOTA DE SERVIÇO
RUA ALBERTO MIERS

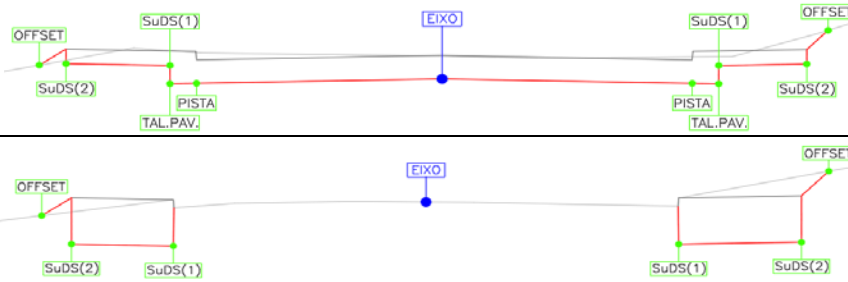
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 26+10											
Dist. Eixo (m):		-11,823	-9,343	-9,343	-8,944	0,000	9,280	9,678	9,678	12,000	
Cota Camada 1 (m)					13,564	13,743	13,558				
Cota Camada 3 (m)					13,484	13,663	13,478				
Cota Camada 6 (m)					13,444	13,623	13,438				
Cota Camada 7 (m)					13,324	13,503	13,318				
Cota (m):		13,315	13,262	13,166	13,174	13,353	13,168	13,160	13,256	13,302	
E:		708.847,0746	708.847,1688	708.847,1688	708.847,1839	708.847,5236	708.847,8760	708.847,8911	708.847,8911	708.847,9793	
N:		7.090.077,0010	7.090.074,5222	7.090.074,5222	7.090.074,1243	7.090.065,1864	7.090.065,9134	7.090.065,5157	7.090.065,5157	7.090.063,1951	
Station: 26+16											
Dist. Eixo (m):		-5,900	-4,448	-4,448	-4,050	0,000	4,048	4,446	4,446	5,750	
Cota Camada 1 (m)					13,697	13,803	13,678				
Cota Camada 3 (m)					13,617	13,723	13,598				
Cota Camada 6 (m)					13,577	13,683	13,558				
Cota Camada 7 (m)					13,457	13,563	13,438				
Cota (m):		13,423	13,394	13,299	13,307	13,413	13,288	13,280	13,376	13,402	
E:		708.853,8685	708.853,9237	708.853,9237	708.853,9388	708.854,0926	708.854,2463	708.854,2615	708.854,2615	708.854,3110	
N:		7.090.071,3316	7.090.069,8810	7.090.069,8810	7.090.069,4831	7.090.065,4361	7.090.061,3905	7.090.060,9929	7.090.060,9929	7.090.059,6906	
Station: 27+0											
Dist. Eixo (m):		-5,881	-4,406	-4,406	-4,008	0,000	3,993	4,390	4,390	5,644	
Cota Camada 1 (m)					13,741	13,821	13,741				
Cota Camada 3 (m)					13,661	13,741	13,661				
Cota Camada 6 (m)					13,621	13,701	13,621				
Cota Camada 7 (m)					13,501	13,581	13,501				
Cota (m):		13,468	13,439	13,343	13,351	13,431	13,351	13,343	13,439	13,464	
E:		708.857,2493	708.857,3160	708.857,3160	708.857,3340	708.857,5153	708.857,6959	708.857,7139	708.857,7139	708.857,7706	
N:		7.090.071,4664	7.090.069,9922	7.090.069,9922	7.090.069,5944	7.090.065,5910	7.090.061,6026	7.090.061,2051	7.090.061,2051	7.090.059,9533	
Station: 27+10											
Dist. Eixo (m):		-5,928	-4,428	-4,428	-4,029	0,000	3,971	4,369	4,369	5,685	
Cota Camada 1 (m)					13,720	13,800	13,721				
Cota Camada 3 (m)					13,640	13,720	13,641				
Cota Camada 6 (m)					13,600	13,680	13,601				
Cota Camada 7 (m)					13,480	13,560	13,481				
Cota (m):		13,447	13,417	13,322	13,330	13,410	13,331	13,323	13,419	13,445	
E:		708.867,2369	708.867,3048	708.867,3048	708.867,3228	708.867,5051	708.867,6847	708.867,7027	708.867,7027	708.867,7623	
N:		7.090.071,9653	7.090.070,4664	7.090.070,4664	7.090.070,0687	7.090.066,0434	7.090.062,0768	7.090.061,6793	7.090.061,6793	7.090.060,3639	
Station: 28+0											
Dist. Eixo (m):		-6,026	-4,449	-4,449	-4,051	0,000	3,949	4,347	4,347	5,727	
Cota Camada 1 (m)					13,605	13,686	13,607				
Cota Camada 3 (m)					13,525	13,606	13,527				
Cota Camada 6 (m)					13,485	13,566	13,487				
Cota Camada 7 (m)					13,365	13,446	13,367				
Cota (m):		13,334	13,302	13,207	13,215	13,296	13,217	13,209	13,304	13,332	
E:		708.877,2222	708.877,2936	708.877,2936	708.877,3116	708.877,4948	708.877,6735	708.877,6915	708.877,6915	708.877,7539	
N:		7.090.072,5161	7.090.070,9406	7.090.070,9406	7.090.070,5429	7.090.066,4958	7.090.062,5510	7.090.062,1535	7.090.062,1535	7.090.060,7745	
Station: 28+10											
Dist. Eixo (m):		-5,989	-4,471	-4,471	-4,073	0,000	3,927	4,325	4,325	5,769	
Cota Camada 1 (m)					13,478	13,560	13,481				
Cota Camada 3 (m)					13,398	13,480	13,401				
Cota Camada 6 (m)					13,358	13,440	13,361				
Cota Camada 7 (m)					13,238	13,320	13,241				
Cota (m):		13,206	13,176	13,080	13,088	13,170	13,091	13,083	13,179	13,208	
E:		708.887,2137	708.887,2823	708.887,2823	708.887,3004	708.887,4846	708.887,6623	708.887,6803	708.887,6803	708.887,7456	
N:		7.090.072,9309	7.090.071,4148	7.090.071,4148	7.090.071,0171	7.090.066,9482	7.090.063,0253	7.090.062,6277	7.090.062,6275	7.090.061,1851	
Station: 28+14											
Dist. Eixo (m):		-5,972	-4,481	-4,481	-4,083	0,000	3,917	4,315	4,315	5,7880	
Cota Camada 1 (m)					13,421	13,503	13,425				
Cota Camada 3 (m)					13,341	13,423	13,345				
Cota Camada 6 (m)					13,301	13,383	13,305				
Cota Camada 7 (m)					13,181	13,263	13,185				
Cota (m):		13,149	13,119	13,023	13,031	13,113	13,035	13,027	13,123	13,1520	
E:		708.891,6976	708.891,7651	708.891,7651	708.891,7831	708.891,9678	708.892,1450	708.892,1630	708.892,1630	708.892,2296	
N:		7.090.073,1170	7.090.071,6277	7.090.071,6277	7.090.071,2299	7.090.067,1512	7.090.063,2381	7.090.062,8405	7.090.062,8405	7.090.061,3693	
Station: 29+0											
Dist. Eixo (m):		-5,951	-4,493	-4,493	-4,095	0,000	3,905	4,303	4,303	5,811	
Cota Camada 1 (m)					13,352	13,434	13,355				
Cota Camada 3 (m)					13,272	13,354	13,275				
Cota Camada 6 (m)					13,232	13,314	13,235				
Cota Camada 7 (m)					13,112	13,194	13,115				
Cota (m):		13,079	13,049	12,954	12,962	13,044	12,965	12,958	13,053	13,083	
E:		708.897,2052	708.897,2711	708.897,2711	708.897,2891	708.897,4744	708.897,6510	708.897,6690	708.897,6690	708.897,7372	
N:		7.090.073,3457	7.090.071,8891	7.090.071,8891	7.090.071,4913	7.090.067,4005	7.090.063,4995	7.090.063,1019	7.090.063,1019	7.090.061,5957	

PREFEITURA MUNICIPAL DE JOINVILLE
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NOTA DE SERVIÇO
RUA ALBERTO MIERS

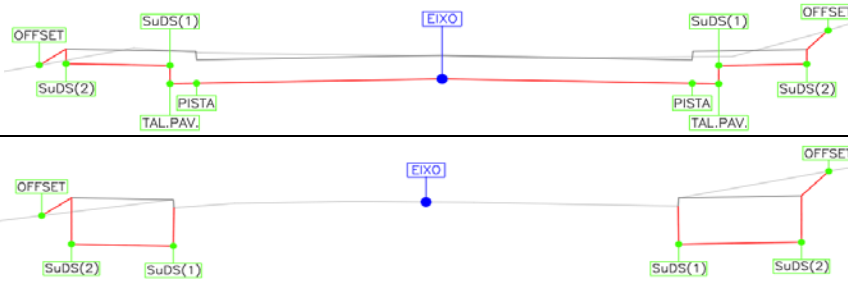
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 29+10											
Dist. Eixo (m):		-12,056	-7,291	-7,291	-6,892	0,000	6,708	7,106	7,106	9,554	
Cota Camada 1 (m)					13,398	13,308	13,327				
Cota Camada 3 (m)					13,318	13,228	13,247				
Cota Camada 6 (m)					13,278	13,188	13,207				
Cota Camada 7 (m)					13,158	13,068	13,087				
Cota (m):		13,191	13,095	13,000	13,008	12,918	12,937	12,929	13,025	13,074	
E:		708.906,9187	708.907,1343	708.907,1343	708.907,1523	708.907,4641	708.907,7676	708.907,7856	708.907,7856	708.907,8963	
N:		7.090.079,8967	7.090.075,1360	7.090.075,1360	7.090.074,7382	7.090.067,8529	7.090.061,1515	7.090.060,7539	7.090.060,7539	7.090.058,3088	
Station: 29+11											
Dist. Eixo (m):		-12,077	-9,848	-9,848	-9,450	0,000	9,297				
Cota Camada 1 (m)					13,439	13,289	13,336				
Cota Camada 3 (m)					13,359	13,209	13,256				
Cota Camada 6 (m)					13,319	13,169	13,216				
Cota Camada 7 (m)					13,199	13,049	13,096				
Cota (m):		13,181	13,137	13,041	13,049	12,899	12,946				
E:		708.908,3934	708.908,4942	708.908,4942	708.908,5122	708.908,9397	708.909,3604				
N:		7.090.079,9846	7.090.077,7574	7.090.077,7574	7.090.077,3597	7.090.067,9197	7.090.058,6301				
Station: 30+10											
Dist. Eixo (m):		-5,907	-4,381	-4,381	-3,983	0,000	4,017	4,415	4,415	6,016	
Cota Camada 1 (m)					13,362	13,442	13,361				
Cota Camada 3 (m)					13,282	13,362	13,281				
Cota Camada 6 (m)					13,242	13,322	13,241				
Cota Camada 7 (m)					13,122	13,202	13,121				
Cota (m):		13,090	13,060	12,964	12,972	13,052	12,971	12,963	13,059	13,091	
E:		708.927,2209	708.927,2806	708.927,2806	708.927,2962	708.927,4519	708.927,6089	708.927,6245	708.927,6245	708.927,6871	
N:		7.090.074,4421	7.090.072,9175	7.090.072,9175	7.090.072,5196	7.090.068,5393	7.090.064,5257	7.090.064,1281	7.090.064,1281	7.090.062,5276	
Station: 31+0											
Dist. Eixo (m):		-5,898	-4,359	-4,359	-3,960	0,000	4,040	4,438	4,438	6,038	
Cota Camada 1 (m)					13,434	13,514	13,433				
Cota Camada 3 (m)					13,354	13,434	13,353				
Cota Camada 6 (m)					13,314	13,394	13,313				
Cota Camada 7 (m)					13,194	13,274	13,193				
Cota (m):		13,163	13,132	13,036	13,044	13,124	13,043	13,035	13,131	13,163	
E:		708.937,2137	708.937,2738	708.937,2738	708.937,2894	708.937,4442	708.937,6022	708.937,6177	708.937,6177	708.937,6803	
N:		7.090.074,8235	7.090.073,2855	7.090.073,2855	7.090.072,8876	7.090.068,9303	7.090.064,8937	7.090.064,4961	7.090.064,4961	7.090.062,8965	
Station: 31+10											
Dist. Eixo (m):		-5,888	-4,336	-4,336	-3,937	0,000	4,063	4,461	4,461	6,061	
Cota Camada 1 (m)					13,432	13,511	13,429				
Cota Camada 3 (m)					13,352	13,431	13,349				
Cota Camada 6 (m)					13,312	13,391	13,309				
Cota Camada 7 (m)					13,192	13,271	13,189				
Cota (m):		13,161	13,130	13,034	13,042	13,121	13,039	13,031	13,127	13,159	
E:		708.947,2064	708.947,2671	708.947,2671	708.947,2827	708.947,4366	708.947,5954	708.947,6110	708.947,6110	708.947,6736	
N:		7.090.075,2050	7.090.073,6535	7.090.073,6535	7.090.073,2557	7.090.069,3213	7.090.065,2618	7.090.064,8641	7.090.064,8641	7.090.063,2654	
Station: 32+0											
Dist. Eixo (m):		-5,879	-4,313	-4,313	-3,914	0,000	4,086	4,484	4,484	6,083	
Cota Camada 1 (m)					13,420	13,498	13,417				
Cota Camada 3 (m)					13,340	13,418	13,337				
Cota Camada 6 (m)					13,300	13,378	13,297				
Cota Camada 7 (m)					13,180	13,258	13,177				
Cota (m):		13,149	13,118	13,022	13,030	13,108	13,027	13,019	13,114	13,146	
E:		708.957,1991	708.957,2603	708.957,2603	708.957,2759	708.957,4290	708.957,5887	708.957,6043	708.957,6043	708.957,6668	
N:		7.090.075,5864	7.090.074,0215	7.090.074,0215	7.090.073,6237	7.090.069,7123	7.090.065,6298	7.090.065,2321	7.090.065,2321	7.090.063,6342	
Station: 32+10											
Dist. Eixo (m):		-5,869	-4,290	-4,290	-3,891	0,000	4,109	4,507	4,507	6,105	
Cota Camada 1 (m)					13,408	13,486	13,404				
Cota Camada 3 (m)					13,328	13,406	13,324				
Cota Camada 6 (m)					13,288	13,366	13,284				
Cota Camada 7 (m)					13,168	13,246	13,164				
Cota (m):		13,138	13,106	13,010	13,018	13,096	13,014	13,006	13,102	13,134	
E:		708.967,1918	708.967,2536	708.967,2536	708.967,2692	708.967,4213	708.967,5819	708.967,5975	708.967,5975	708.967,6600	
N:		7.090.075,9678	7.090.074,3895	7.090.074,3895	7.090.073,9917	7.090.070,1032	7.090.065,9978	7.090.065,6001	7.090.065,6001	7.090.064,0031	
Station: 33+0											
Dist. Eixo (m):		-7,893	-5,076	-5,076	-4,678	0,000	4,101	4,499	4,499	5,972	
Cota Camada 1 (m)					13,455	13,549	13,467				
Cota Camada 3 (m)					13,375	13,469	13,387				
Cota Camada 6 (m)					13,335	13,429	13,347				
Cota Camada 7 (m)					13,215	13,309	13,227				
Cota (m):		13,209	13,153	13,057	13,065	13,159	13,077	13,069	13,183	13,212	
E:		708.977,1051	708.977,2152	708.977,2152	708.977,2308	708.977,4137	708.977,5740	708.977,5895	708.977,5895	708.977,6472	
N:		7.090.078,3809	7.090.075,5664	7.090.075,5664	7.090.075,1686	7.090.070,4942	7.090.066,3968	7.090.065,9992	7.090.065,9992	7.090.064,5267	

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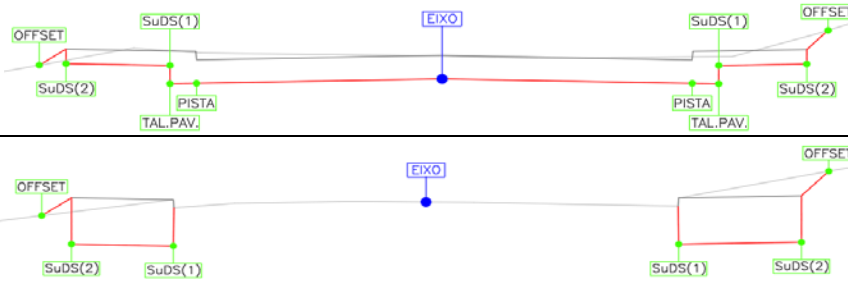
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 33+10											
Dist. Eixo (m):					-6,624	0,000	4,047	4,445	4,445	5,804	
Cota Camada 1 (m)					13,664	13,796	13,715				
Cota Camada 3 (m)					13,584	13,716	13,635				
Cota Camada 6 (m)					13,544	13,676	13,595				
Cota Camada 7 (m)					13,424	13,556	13,475				
Cota (m):					13,274	13,406	13,325	13,317	13,413	13,440	
E:					708.987,1470	708.987,4060	708.987,5643	708.987,5798	708.987,5798	708.987,6330	
N:					7.090.077,5040	7.090.070,8852	7.090.066,8411	7.090.066,4434	7.090.066,4434	7.090.065,0852	
Station: 33+18											
Dist. Eixo (m):		-5,846	-4,443	-4,443	-4,045	0,000	4,000	4,398	4,398	5,805	
Cota Camada 1 (m)					13,961	14,042	13,962				
Cota Camada 3 (m)					13,881	13,962	13,882				
Cota Camada 6 (m)					13,841	13,922	13,842				
Cota Camada 7 (m)					13,721	13,802	13,722				
Cota (m):		13,687	13,659	13,563	13,571	13,652	13,572	13,564	13,660	13,688	
E:		708.996,0464	708.996,1012	708.996,1012	708.996,1168	708.996,2749	708.996,4313	708.996,4469	708.996,4469	708.996,5019	
N:		7.090.077,0740	7.090.075,6723	7.090.075,6723	7.090.075,2744	7.090.071,2322	7.090.067,2354	7.090.066,8378	7.090.066,8378	7.090.065,4313	
Station: 34+0											
Dist. Eixo (m):		-5,812	-4,389	-4,389	-3,991	0,000	4,009	4,407	4,407	5,809	
Cota Camada 1 (m)					14,009	14,089	14,009				
Cota Camada 3 (m)					13,929	14,009	13,929				
Cota Camada 6 (m)					13,889	13,969	13,889				
Cota Camada 7 (m)					13,769	13,849	13,769				
Cota (m):		13,735	13,707	13,611	13,619	13,699	13,619	13,611	13,706	13,734	
E:		708.997,1518	708.997,2121	708.997,2121	708.997,2290	708.997,3982	708.997,5682	708.997,5851	708.997,5851	708.997,6445	
N:		7.090.077,0863	7.090.075,6650	7.090.075,6650	7.090.075,2672	7.090.071,2799	7.090.067,2742	7.090.066,8766	7.090.066,8766	7.090.065,4759	
Station: 34+10											
Dist. Eixo (m):		-5,895	-4,307	-4,307	-3,909	0,000	4,091	4,489	4,489	5,843	
Cota Camada 1 (m)					14,647	14,725	14,643				
Cota Camada 3 (m)					14,567	14,645	14,563				
Cota Camada 6 (m)					14,527	14,605	14,523				
Cota Camada 7 (m)					14,407	14,485	14,403				
Cota (m):		14,376	14,345	14,249	14,257	14,335	14,253	14,245	14,341	14,368	
E:		709.007,1393	709.007,2066	709.007,2066	709.007,2235	709.007,3892	709.007,5627	709.007,5796	709.007,5796	709.007,6370	
N:		7.090.077,5936	7.090.076,0073	7.090.076,0073	7.090.075,6095	7.090.071,7039	7.090.067,6165	7.090.067,2189	7.090.067,2189	7.090.065,8658	
Station: 35+0											
Dist. Eixo (m):		-5,823	-4,226	-4,226	-3,827	0,000	4,173	4,571	4,571	5,877	
Cota Camada 1 (m)					15,369	15,446	15,362				
Cota Camada 3 (m)					15,289	15,366	15,282				
Cota Camada 6 (m)					15,249	15,326	15,242				
Cota Camada 7 (m)					15,129	15,206	15,122				
Cota (m):		15,099	15,067	14,971	14,979	15,056	14,972	14,964	15,060	15,086	
E:		709.017,1333	709.017,2011	709.017,2011	709.017,2180	709.017,3802	709.017,5572	709.017,5740	709.017,5740	709.017,6294	
N:		7.090.077,9456	7.090.076,3496	7.090.076,3496	7.090.075,9518	7.090.072,1279	7.090.067,9587	7.090.067,5611	7.090.067,5611	7.090.066,2557	
Station: 35+10											
Dist. Eixo (m):		-5,819	-4,217	-4,217	-3,819	0,000	4,181	4,579	4,579	5,911	
Cota Camada 1 (m)					16,090	16,167	16,083				
Cota Camada 3 (m)					16,010	16,087	16,003				
Cota Camada 6 (m)					15,970	16,047	15,963				
Cota Camada 7 (m)					15,850	15,927	15,843				
Cota (m):		15,820	15,788	15,692	15,700	15,777	15,693	15,685	15,780	15,807	
E:		709.027,1245	709.027,1925	709.027,1925	709.027,2093	709.027,3712	709.027,5485	709.027,5654	709.027,5654	709.027,6219	
N:		7.090.078,3653	7.090.076,7649	7.090.076,7649	7.090.076,3671	7.090.072,5519	7.090.068,3742	7.090.067,9766	7.090.067,9766	7.090.066,6457	
Station: 35+17											
Dist. Eixo (m):		-5,856	-4,255	-4,255	-3,856	0,000	4,144	4,542	4,542	5,936	
Cota Camada 1 (m)					16,604	16,682	16,599				
Cota Camada 3 (m)					16,524	16,602	16,519				
Cota Camada 6 (m)					16,484	16,562	16,479				
Cota Camada 7 (m)					16,364	16,442	16,359				
Cota (m):		16,334	16,302	16,206	16,214	16,292	16,209	16,201	16,296	16,324	
E:		709.034,2615	709.034,3294	709.034,3294	709.034,3463	709.034,5098	709.034,6854	709.034,7023	709.034,7023	709.034,7614	
N:		7.090.078,7060	7.090.077,1056	7.090.077,1056	7.090.076,7078	7.090.072,8548	7.090.068,7148	7.090.068,3172	7.090.068,3172	7.090.066,9243	
Station: 36+0											
Dist. Eixo (m):		-5,872	-4,270	-4,270	-3,872	0,000	4,129	4,527	4,527	5,946	
Cota Camada 1 (m)					16,810	16,887	16,805				
Cota Camada 3 (m)					16,730	16,807	16,725				
Cota Camada 6 (m)					16,690	16,767	16,685				
Cota Camada 7 (m)					16,570	16,647	16,585				
Cota (m):		16,540	16,508	16,412	16,420	16,497	16,415	16,407	16,503	16,531	
E:		709.037,1133	709.037,1812	709.037,1812	709.037,1981	709.037,3622	709.037,5373	709.037,5542	709.037,5542	709.037,6143	
N:		7.090.078,8421	7.090.077,2417	7.090.077,2417	7.090.076,8439	7.090.072,9758	7.090.068,8510	7.090.068,4534	7.090.068,4534	7.090.067,0356	

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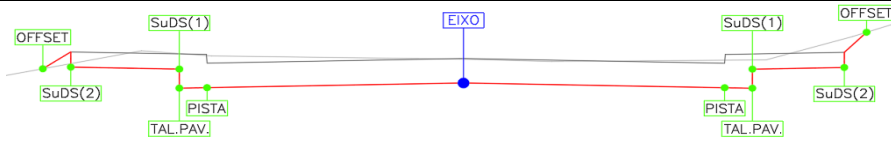
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 36+10											
Dist. Eixo (m):		-5,924	-4,323	-4,323	-3,924	0,000	4,076	4,474	4,474	5,980	
Cota Camada 1 (m)					17,530	17,608					17,527
Cota Camada 3 (m)					17,450	17,528					17,447
Cota Camada 6 (m)					17,410	17,488					17,407
Cota Camada 7 (m)					17,290	17,368					17,287
Cota (m):		17,260	17,227	17,132	17,140	17,218	17,137	17,129	17,225	17,255	
E:		709.047,1021	709.047,1700	709.047,1700	709.047,1869	709.047,3533	709.047,5261	709.047,5429	709.047,5429	709.047,6068	
N:		7.090.079,3189	7.090.077,7184	7.090.077,7184	7.090.077,3206	7.090.073,3998	7.090.069,3277	7.090.068,9301	7.090.068,9301	7.090.067,4255	
Station: 37+0											
Dist. Eixo (m):		-5,977	-4,375	-4,375	-3,977	0,000	4,023	4,421	4,421	6,014	
Cota Camada 1 (m)					18,249	18,329					18,249
Cota Camada 3 (m)					18,169	18,249					18,169
Cota Camada 6 (m)					18,129	18,209					18,129
Cota Camada 7 (m)					18,009	18,089					18,009
Cota (m):		17,979	17,947	17,851	17,859	17,939	17,859	17,851	17,946	17,978	
E:		709.057,0908	709.057,1588	709.057,1588	709.057,1756	709.057,3443	709.057,5148	709.057,5317	709.057,5317	709.057,5992	
N:		7.090.079,7956	7.090.078,1952	7.090.078,1952	7.090.077,7974	7.090.073,8238	7.090.069,8045	7.090.069,4069	7.090.069,4069	7.090.067,8155	
Station: 37+18											
Dist. Eixo (m):		-7,000	-5,319			0,000			5,010	6,200	
Cota Camada 1 (m)					0,390	0,390	0,390				
Cota Camada 3 (m)					0,310	0,310	0,310				
Cota Camada 6 (m)					0,270	0,270	0,270				
Cota Camada 7 (m)					0,150	0,150	0,150				
Cota (m):		19,276	19,242					19,248	19,272		
E:		709.075,9331	709.076,0043			709.076,2298		709.076,4423	709.076,4927		
N:		7.090.081,6190	7.090.079,9399			7.090.074,6252		7.090.069,6198	7.090.068,4308		
Station: 38+0											
Dist. Eixo (m):		-7,000	-4,399			0,000			5,010	6,200	
Cota Camada 1 (m)					0,390	0,390	0,390				
Cota Camada 3 (m)					0,310	0,310	0,310				
Cota Camada 6 (m)					0,270	0,270	0,270				
Cota Camada 7 (m)					0,150	0,150	0,150				
Cota (m):		19,386	19,334					19,322	19,346		
E:		709.077,1012	709.077,1850			709.077,3267		709.077,4881	709.077,5264		
N:		7.090.081,6570	7.090.079,0576			7.090.074,6606		7.090.069,6532	7.090.068,4638		
Station: 38+10											
Dist. Eixo (m):		-5,977	-3,593			0,000			3,819	5,848	
Cota (m):		20,001	19,953					19,948	19,989		
E:		709.087,1290	709.087,2058			709.087,3215		709.087,4445	709.087,5099		
N:		7.090.080,9562	7.090.078,5743			7.090.074,9827		7.090.071,1652	7.090.069,1378		
Station: 39+0											
Dist. Eixo (m):		-5,948	-3,605			0,000			3,770	5,690	
Cota (m):		20,560	20,513					20,819	20,537		
E:		709.097,1247	709.097,2002			709.097,3163		709.097,4378	709.097,4996		
N:		7.090.081,2494	7.090.078,9083			7.090.075,3048		7.090.071,5368	7.090.069,6182		
Station: 39+10											
Dist. Eixo (m):		-5,926	-3,672			0,000			3,740	5,889	
Cota (m):		20,892	20,847					20,845	20,888		
E:		709.107,1203	709.107,1928			709.107,3111		709.107,4316	709.107,5008		
N:		7.090.081,5495	7.090.079,2974			7.090.075,6269		7.090.071,8884	7.090.069,7409		
Station: 40+0											
Dist. Eixo (m):		-5,917	-3,739			0,000			3,700	6,028	
Cota (m):		21,204	21,160					21,161	21,208		
E:		709.117,1154	709.117,1855			709.117,3059		709.117,4251	709.117,5001		
N:		7.090.081,8626	7.090.079,6865			7.090.075,9491		7.090.072,2512	7.090.069,9245		
Station: 40+10											
Dist. Eixo (m):		-5,908	-3,911			0,000			3,586	6,010	
Cota (m):		21,481	21,441					21,447	21,496		
E:		709.127,1105	709.127,1748			709.127,3008		709.127,4162	709.127,4944		
N:		7.090.082,1758	7.090.080,1800			7.090.076,2712		7.090.072,6874	7.090.070,2638		
Station: 41+0											
Dist. Eixo (m):		-12,000	-5,010			0,000			4,783	9,289	
Cota (m):		21,762	21,623					21,627	21,717		
E:		709.136,9090	709.137,1342			709.137,2956		709.137,4496	709.137,5948		
N:		7.090.088,5871	7.090.081,6007			7.090.076,5933		7.090.071,8127	7.090.067,3092		
Station: 41+2											
Dist. Eixo (m):		-13,000	-5,010			0,000			5,006	8,894	
Cota (m):		21,824	21,664					21,782	21,788		
E:		709.139,6818	709.139,9391			709.140,1005		709.140,2618	709.140,3870		
N:		7.090.089,6769	7.090.081,6911			7.090.076,6837		7.090.071,6801	7.090.067,7946		

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA ALEX KRICHELDORF (T1)

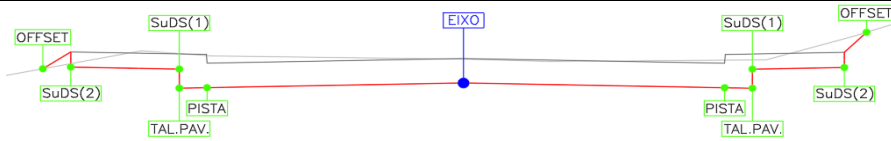
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):		-8,033	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	6,200	
Cota Camada 1 (m)					12,980	13,080	12,980				
Cota Camada 3 (m)					12,900	13,000	12,900				
Cota Camada 6 (m)					12,860	12,960	12,860				
Cota Camada 7 (m)					12,740	12,840	12,740				
Cota (m):		12,930	12,878	12,582	12,590	12,690	12,590	12,582	12,878	12,894	
E:		709.421,9544	709.422,0246	709.422,0246	709.422,0352	709.422,1684	709.422,3016	709.422,3122	709.422,3122	709.422,3336	
N:		7.090.098,4101	7.090.095,7766	7.090.095,7766	7.090.095,3785	7.090.090,3803	7.090.085,3821	7.090.084,9843	7.090.084,9843	7.090.084,1825	
Station: 0+10											
Dist. Eixo (m):		-7,949	-5,412	-5,412	-5,014	0,000	4,986	5,384	5,384	7,875	
Cota Camada 1 (m)					12,945	13,045	12,946				
Cota Camada 3 (m)					12,865	12,965	12,866				
Cota Camada 6 (m)					12,825	12,925	12,826				
Cota Camada 7 (m)					12,705	12,805	12,706				
Cota (m):		12,894	12,843	12,547	12,555	12,655	12,556	12,548	12,843	12,893	
E:		709.431,9531	709.432,0206	709.432,0206	709.432,0312	709.432,1649	709.432,2977	709.432,3083	709.432,3083	709.432,3747	
N:		7.090.098,5928	7.090.096,0573	7.090.096,0573	7.090.095,6592	7.090.090,6468	7.090.085,6628	7.090.085,2650	7.090.085,2650	7.090.082,7750	
Station: 1+0											
Dist. Eixo (m):		-7,716	-5,427	-5,427	-5,028	0,000	4,972	5,370	5,370	7,799	
Cota Camada 1 (m)					12,910	13,011	12,911				
Cota Camada 3 (m)					12,830	12,931	12,831				
Cota Camada 6 (m)					12,790	12,891	12,791				
Cota Camada 7 (m)					12,670	12,771	12,671				
Cota (m):		12,854	12,808	12,512	12,520	12,621	12,521	12,513	12,809	12,858	
E:		709.441,9557	709.442,0167	709.442,0167	709.442,0273	709.442,1613	709.442,2938	709.442,3044	709.442,3044	709.442,3691	
N:		7.090.098,6270	7.090.096,3379	7.090.096,3379	7.090.095,9399	7.090.090,9132	7.090.085,9435	7.090.085,5457	7.090.085,5457	7.090.083,1173	
Station: 1+10											
Dist. Eixo (m):		-7,627	-5,441	-5,441	-5,043	0,000	4,957	5,355	5,355	7,706	
Cota Camada 1 (m)					12,875	12,976	12,877				
Cota Camada 3 (m)					12,795	12,896	12,797				
Cota Camada 6 (m)					12,755	12,856	12,757				
Cota Camada 7 (m)					12,635	12,736	12,637				
Cota (m):		12,817	12,773	12,477	12,485	12,586	12,487	12,479	12,775	12,822	
E:		709.451,9545	709.452,0128	709.452,0128	709.452,0234	709.452,1578	709.452,2899	709.452,3005	709.452,3005	709.452,3631	
N:		7.090.098,8040	7.090.096,6186	7.090.096,6186	7.090.096,2206	7.090.091,1797	7.090.086,2242	7.090.085,8263	7.090.085,8263	7.090.083,4760	
Station: 2+0											
Dist. Eixo (m):		-12,839	-9,161	-9,161	-8,763	0,000	8,259	8,657	8,657	12,767	
Cota Camada 1 (m)					13,097	12,942	12,876				
Cota Camada 3 (m)					13,017	12,862	12,796				
Cota Camada 6 (m)					12,977	12,822	12,756				
Cota Camada 7 (m)					12,857	12,702	12,636				
Cota (m):		13,069	12,995	12,699	12,707	12,552	12,486	12,478	12,774	12,856	
E:		709.461,8121	709.461,9101	709.461,9101	709.461,9207	709.462,1542	709.462,3743	709.462,3849	709.462,3849	709.462,4944	
N:		7.090.104,2801	7.090.100,6038	7.090.100,6038	7.090.100,2058	7.090.091,4462	7.090.083,1900	7.090.082,7922	7.090.082,7922	7.090.078,6836	
Station: 2+1											
Dist. Eixo (m):		-12,840	-12,065	-12,065	-11,666	0,000	10,464	10,862	10,862	12,735	
Cota Camada 1 (m)					13,196	12,938	12,886				
Cota Camada 3 (m)					13,116	12,858	12,806				
Cota Camada 6 (m)					13,076	12,818	12,766				
Cota Camada 7 (m)					12,956	12,698	12,646				
Cota (m):		13,110	13,094	12,798	12,806	12,548	12,496	12,488	12,784	12,821	
E:		709.462,9360	709.462,9567	709.462,9567	709.462,9673	709.463,2782	709.463,5570	709.463,5676	709.463,5676	709.463,6175	
N:		7.090.104,3144	7.090.103,5387	7.090.103,5387	7.090.103,1406	7.090.091,4761	7.090.081,0161	7.090.080,6183	7.090.080,6183	7.090.078,7457	
Station: 2+9											
Dist. Eixo (m):					-12,636	0,000	10,941	11,339	11,339	13,562	
Cota Camada 1 (m)					13,252	12,845	12,839				
Cota Camada 3 (m)					13,172	12,765	12,759				
Cota Camada 6 (m)					13,132	12,725	12,719				
Cota Camada 7 (m)					13,012	12,605	12,599				
Cota (m):					12,862	12,455	12,449	12,441	12,737	12,781	
E:					709.470,6394	709.471,2226	709.471,7276	709.471,7459	709.471,7459	709.471,8485	
N:					7.090.104,4660	7.090.091,8432	7.090.080,9135	7.090.080,5160	7.090.080,5160	7.090.078,2958	
Station: 2+10											
Dist. Eixo (m):		-12,670	-9,531	-9,531	-9,132	0,000	8,871	9,269	9,269	13,574	
Cota Camada 1 (m)					13,067	12,832	12,794				
Cota Camada 3 (m)					12,987	12,752	12,714				
Cota Camada 6 (m)					12,947	12,712	12,674				
Cota Camada 7 (m)					12,827	12,592	12,554				
Cota (m):		13,028	12,965	12,669	12,677	12,442	12,404	12,396	12,692	12,778	
E:		709.471,5596	709.471,7045	709.471,7045	709.471,7229	709.472,1443	709.472,5538	709.472,5721	709.472,5721	709.472,7708	
N:		7.090.104,5424	7.090.101,4062	7.090.101,4062	7.090.101,0085	7.090.091,8858	7.090.083,0241	7.090.082,6266	7.090.082,6266	7.090.078,3261	
Station: 2+11											
Dist. Eixo (m):		-12,677	-7,760	-7,760	-7,362	0,000	7,320	7,718	7,718	13,605	
Cota Camada 1 (m)					12,957	12,814	12,755				
Cota Camada 3 (m)					12,877	12,734	12,675				
Cota Camada 6 (m)					12,837	12,694	12,635				
Cota Camada 7 (m)					12,717	12,574	12,515				
Cota (m):		12,953	12,855	12,559	12,567	12,424	12,365	12,357	12,652	12,770	
E:		709.472,8288	709.473,0557	709.473,0557	709.473,0740	709.473,4138	709.473,7518	709.473,7701	709.473,7701	709.474,0419	
N:		7.090.104,6077	7.090.099,6963	7.090.099,6963	7.090.099,2986	7.090.091,9444	7.090.084,6303	7.090.084,2328	7.090.084,2328	7.090.078,3513	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA ALEX KRICHELDORF (T1)

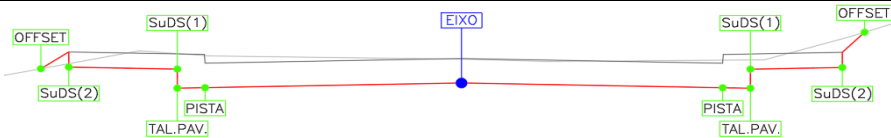
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 3+0											
Dist. Eixo (m):		-8,019	-5,383	-5,383	-4,985	0,000	5,015	5,413	5,413	7,832	
Cota Camada 1 (m)					12,593	12,693	12,592				
Cota Camada 3 (m)					12,513	12,613	12,512				
Cota Camada 6 (m)					12,473	12,573	12,472				
Cota Camada 7 (m)					12,353	12,453	12,352				
Cota (m):		12,543	12,491	12,195	12,203	12,303	12,202	12,194	12,490	12,538	
E:		709.481,9315	709.482,0000	709.482,0000	709.482,0104	709.482,1400	709.482,2705	709.482,2808	709.482,2808	709.482,3438	
N:		7.090.100,1875	7.090.097,5525	7.090.097,5525	7.090.097,1545	7.090.092,1715	7.090.087,1579	7.090.086,7601	7.090.086,7601	7.090.084,3424	
Station: 3+10											
Dist. Eixo (m):		-7,957	-5,388	-5,388	-4,990	0,000	5,010	5,408	5,408	7,867	
Cota Camada 1 (m)					12,427	12,527	12,427				
Cota Camada 3 (m)					12,347	12,447	12,347				
Cota Camada 6 (m)					12,307	12,407	12,307				
Cota Camada 7 (m)					12,187	12,287	12,187				
Cota (m):		12,377	12,325	12,029	12,037	12,137	12,037	12,029	12,325	12,374	
E:		709.491,9297	709.491,9965	709.491,9965	709.492,0069	709.492,1367	709.492,2670	709.492,2773	709.492,2773	709.492,3413	
N:		7.090.100,3858	7.090.097,8176	7.090.097,8176	7.090.097,4196	7.090.092,4316	7.090.087,4229	7.090.087,0251	7.090.087,0251	7.090.084,5668	
Station: 4+0											
Dist. Eixo (m):		-7,958	-5,393	-5,393	-4,995	0,000	5,005	5,403	5,403	7,900	
Cota Camada 1 (m)					12,092	12,192	12,092				
Cota Camada 3 (m)					12,012	12,112	12,012				
Cota Camada 6 (m)					11,972	12,072	11,972				
Cota Camada 7 (m)					11,852	11,952	11,852				
Cota (m):		12,041	11,990	11,694	11,702	11,802	11,702	11,694	11,990	12,040	
E:		709.501,9263	709.501,9930	709.501,9930	709.502,0034	709.502,1333	709.502,2635	709.502,2738	709.502,2738	709.502,3388	
N:		7.090.100,6469	7.090.098,0826	7.090.098,0826	7.090.097,6846	7.090.092,6917	7.090.087,6880	7.090.087,2902	7.090.087,2902	7.090.084,7944	
Station: 4+10											
Dist. Eixo (m):		-7,843	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	7,894	
Cota Camada 1 (m)					11,994	12,094	11,994				
Cota Camada 3 (m)					11,914	12,014	11,914				
Cota Camada 6 (m)					11,874	11,974	11,874				
Cota Camada 7 (m)					11,754	11,854	11,754				
Cota (m):		12,201	11,892	11,596	11,604	11,704	11,604	11,596	11,892	11,942	
E:		709.511,9259	709.511,9895	709.511,9895	709.511,9998	709.512,1299	709.512,2600	709.512,2703	709.512,2703	709.512,3352	
N:		7.090.100,7922	7.090.098,3477	7.090.098,3477	7.090.097,9497	7.090.092,9518	7.090.087,9531	7.090.087,5552	7.090.087,5552	7.090.085,0605	
Station: 5+0											
Dist. Eixo (m):		-7,764	-5,403	-5,403	-5,005	0,000	4,995	5,393	5,393	7,888	
Cota Camada 1 (m)					11,984	12,084	11,984				
Cota Camada 3 (m)					11,904	12,004	11,904				
Cota Camada 6 (m)					11,864	11,964	11,864				
Cota Camada 7 (m)					11,744	11,844	11,744				
Cota (m):		12,197	11,882	11,586	11,594	11,694	11,594	11,586	11,882	11,932	
E:		709.521,9246	709.521,9860	709.521,9860	709.521,9963	709.522,1265	709.522,2564	709.522,2668	709.522,2668	709.522,3317	
N:		7.090.100,9735	7.090.098,6128	7.090.098,6128	7.090.098,2147	7.090.093,2119	7.090.088,2181	7.090.087,8203	7.090.087,8203	7.090.085,3267	
Station: 5+10											
Dist. Eixo (m):		-7,791	-5,408	-5,408	-5,009	0,000	4,991	5,388	5,388	7,810	
Cota Camada 1 (m)					11,974	12,074	11,974				
Cota Camada 3 (m)					11,894	11,994	11,894				
Cota Camada 6 (m)					11,854	11,954	11,854				
Cota Camada 7 (m)					11,734	11,834	11,734				
Cota (m):		12,196	12,179	11,872	11,576	11,684	11,584	11,576	11,872	11,920	
E:		709.531,9205	709.531,9209	709.531,9825	709.531,9825	709.532,1231	709.532,2529	709.532,2633	709.532,2633	709.532,3263	
N:		7.090.101,2602	7.090.101,2434	7.090.098,8778	7.090.098,8778	7.090.093,4720	7.090.088,4832	7.090.088,0854	7.090.088,0854	7.090.085,6645	
Station: 6+0											
Dist. Eixo (m):		-7,868	-5,413	-5,413	-5,014	0,000	4,986	5,384	5,384	7,864	
Cota Camada 1 (m)					11,964	12,064	11,964				
Cota Camada 3 (m)					11,884	11,984	11,884				
Cota Camada 6 (m)					11,844	11,944	11,844				
Cota Camada 7 (m)					11,724	11,824	11,724				
Cota (m):		12,196	12,170	11,862	11,566	11,674	11,574	11,566	11,862	11,912	
E:		709.541,9151	709.541,9157	709.541,9790	709.541,9790	709.542,1197	709.542,2494	709.542,2598	709.542,2598	709.542,3243	
N:		7.090.101,5978	7.090.101,5724	7.090.099,1429	7.090.099,1429	7.090.093,7321	7.090.088,7482	7.090.088,3504	7.090.088,3504	7.090.085,8713	
Station: 6+9											
Dist. Eixo (m):		-11,987	-7,486	-7,486	-7,088	0,000	7,869	8,061	8,061	11,650	
Cota Camada 1 (m)					12,169	12,055	12,122				
Cota Camada 3 (m)					12,089	11,975	12,042				
Cota Camada 6 (m)					12,049	11,935	12,002				
Cota Camada 7 (m)					11,929	11,815	11,882				
Cota (m):		12,360	12,154	12,066	11,771	11,865	11,732	11,728	12,015	12,087	
E:		709.551,2851	709.551,2872	709.551,4022	709.551,4022	709.551,5969	709.551,8015	709.551,8065	709.551,8065	709.551,8999	
N:		7.090.105,9619	7.090.105,8801	7.090.101,4622	7.090.101,4622	7.090.093,9787	7.090.086,1129	7.090.085,9207	7.090.085,9207	7.090.082,3331	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA ALEX KRICHELDORF (T2)

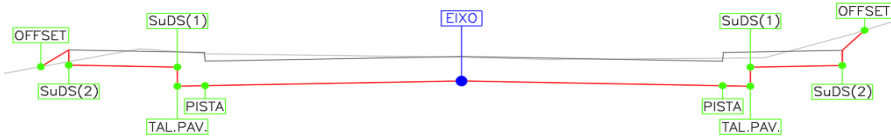
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 6+12											
Dist. Eixo (m):		-12,994	-11,965	-11,965	-11,567	0,000	12,603	13,001	13,001	13,060	
Cota Camada 1 (m)					11,699	11,738	11,720				
Cota Camada 3 (m)					11,619	11,658	11,640				
Cota Camada 6 (m)					11,579	11,618	11,600				
Cota Camada 7 (m)					11,459	11,498	11,480				
Cota (m):		11,877	11,597	11,301	11,309	11,348	11,330	11,322	11,618	11,619	
E:		709.657,5694	709.657,6048	709.657,6048	709.657,6185	709.658,0165	709.658,4501	709.658,4638	709.658,4638	709.658,4658	
N:		7.090.110,0224	7.090.108,9940	7.090.108,9940	7.090.108,5961	7.090.097,0357	7.090.084,4399	7.090.084,0422	7.090.084,0422	7.090.083,9831	
Station: 7+0											
Dist. Eixo (m):		-8,310	-5,357	-5,357	-4,959	0,000	5,041	5,439	5,439	8,219	8,565
Cota Camada 1 (m)					11,586	11,685	11,584				
Cota Camada 3 (m)					11,506	11,605	11,504				
Cota Camada 6 (m)					11,466	11,565	11,464				
Cota Camada 7 (m)					11,346	11,445	11,344				
Cota (m):		11,542	11,483	11,188	11,196	11,295	11,194	11,186	11,481	11,537	11,567
E:		709.665,7258	709.665,8274	709.665,8274	709.665,8411	709.666,0117	709.666,1852	709.666,1989	709.666,1989	709.666,2945	709.666,3064
N:		7.090.105,6164	7.090.102,6650	7.090.102,6650	7.090.102,2671	7.090.097,3110	7.090.092,2730	7.090.091,8753	7.090.091,8753	7.090.089,0968	7.090.088,7508
Station: 7+10											
Dist. Eixo (m):		-8,197	-5,360	-5,360	-4,961	0,000	5,039	5,437	5,437	7,977	8,277
Cota Camada 1 (m)					11,519	11,618	11,518				
Cota Camada 3 (m)					11,439	11,538	11,438				
Cota Camada 6 (m)					11,399	11,498	11,398				
Cota Camada 7 (m)					11,279	11,378	11,278				
Cota (m):		11,474	11,417	11,121	11,129	11,228	11,128	11,120	11,415	11,466	11,526
E:		709.675,7238	709.675,8214	709.675,8214	709.675,8351	709.676,0058	709.676,1792	709.676,1929	709.676,1929	709.676,2803	709.676,2906
N:		7.090.105,8472	7.090.103,0114	7.090.103,0114	7.090.102,6135	7.090.097,6550	7.090.092,6194	7.090.092,2217	7.090.092,2217	7.090.089,6825	7.090.089,3826
Station: 8+0											
Dist. Eixo (m):		-8,085	-5,362	-5,362	-4,964	0,000	5,036	5,434	5,434	7,907	8,159
Cota Camada 1 (m)					11,453	11,552	11,451				
Cota Camada 3 (m)					11,373	11,472	11,371				
Cota Camada 6 (m)					11,333	11,432	11,331				
Cota Camada 7 (m)					11,213	11,312	11,211				
Cota (m):		11,405	11,351	11,055	11,063	11,162	11,061	11,053	11,350	11,399	11,490
E:		709.685,7217	709.685,8154	709.685,8154	709.685,8291	709.686,9999	709.686,1732	709.686,1869	709.686,1869	709.686,2719	709.686,2806
N:		7.090.106,0789	7.090.103,3578	7.090.103,3578	7.090.102,9599	7.090.097,9991	7.090.092,9658	7.090.092,5681	7.090.092,5681	7.090.090,0969	7.090.089,8445
Station: 8+10											
Dist. Eixo (m):		-7,974	-5,364	-5,364	-4,966	0,000	5,034	5,432	5,432	7,850	
Cota Camada 1 (m)					11,387	11,486	11,385				
Cota Camada 3 (m)					11,307	11,406	11,305				
Cota Camada 6 (m)					11,267	11,366	11,265				
Cota Camada 7 (m)					11,147	11,246	11,145				
Cota (m):		11,336	11,284	10,989	10,997	11,096	10,995	10,987	11,283	11,331	
E:		709.695,7196	709.695,8094	709.695,8094	709.695,8231	709.695,9940	709.696,1672	709.696,1809	709.696,1809	709.696,2640	
N:		7.090.106,3124	7.090.103,7042	7.090.103,7042	7.090.103,3063	7.090.098,3432	7.090.093,3122	7.090.092,9145	7.090.092,9145	7.090.090,4983	
Station: 9+0											
Dist. Eixo (m):		-7,847	-5,367	-5,367	-4,968	0,000	5,032	5,430	5,430	7,845	
Cota Camada 1 (m)					11,320	11,420	11,319				
Cota Camada 3 (m)					11,240	11,340	11,239				
Cota Camada 6 (m)					11,200	11,300	11,199				
Cota Camada 7 (m)					11,080	11,180	11,079				
Cota (m):		11,268	11,218	10,922	10,930	11,030	10,929	10,921	11,217	11,265	
E:		709.705,7181	709.705,8034	709.705,8034	709.705,8171	709.705,9880	709.706,1612	709.706,1749	709.706,1749	709.706,2580	
N:		7.090.106,5294	7.090.104,0506	7.090.104,0506	7.090.103,6527	7.090.098,6872	7.090.093,6586	7.090.093,2609	7.090.093,2609	7.090.090,8467	
Station: 9+10											
Dist. Eixo (m):		-7,680	-5,369	-5,369	-4,971	0,000	5,029	5,427	5,427	7,583	
Cota Camada 1 (m)					11,254	11,353	11,253				
Cota Camada 3 (m)					11,174	11,273	11,173				
Cota Camada 6 (m)					11,134	11,233	11,133				
Cota Camada 7 (m)					11,014	11,113	11,013				
Cota (m):		11,198	11,152	10,856	10,864	10,963	10,863	10,855	11,151	11,194	
E:		709.715,7179	709.715,7974	709.715,7974	709.715,8111	709.715,9821	709.716,1552	709.716,1689	709.716,1689	709.716,2430	
N:		7.090.106,7066	7.090.104,3970	7.090.104,3970	7.090.103,9991	7.090.099,0313	7.090.094,0050	7.090.093,6073	7.090.093,6073	7.090.091,4527	
Station: 10+0											
Dist. Eixo (m):		-7,513	-5,371	-5,371	-4,973	0,000	5,027	5,425	5,425	7,436	
Cota Camada 1 (m)					11,187	11,287	11,186				
Cota Camada 3 (m)					11,107	11,207	11,106				
Cota Camada 6 (m)					11,067	11,167	11,066				
Cota Camada 7 (m)					10,947	11,047	10,946				
Cota (m):		11,128	11,085	10,789	10,797	10,897	10,796	10,788	11,084	11,124	
E:		709.725,7177	709.725,7914	709.725,7914	709.725,8051	709.725,9762	709.726,1492	709.726,1629	709.726,1629	709.726,2320	
N:		7.090.106,8837	7.090.104,7434	7.090.104,7434	7.090.104,3455	7.090.099,3754	7.090.094,3514	7.090.093,9537	7.090.093,9535	7.090.091,9442	
Station: 10+10											
Dist. Eixo (m):		-7,489	-5,374	-5,374	-4,975	0,000	5,025	5,423	5,423	7,411	
Cota Camada 1 (m)					11,121	11,221	11,120				
Cota Camada 3 (m)					11,041	11,141	11,040				
Cota Camada 6 (m)					11,001	11,101	11,000				
Cota Camada 7 (m)					10,881	10,981	10,880				
Cota (m):		11,061	11,019	10,723	10,731	10,831	10,730	10,722	11,018	11,058	
E:		709.735,7126	709.735,7854	709.735,7854	709.735,7991	709.735,9703	709.736,1432	709.736,1569	709.736,1569	709.736,2253	
N:		7.090.107,2041	7.090.105,0898	7.090.105,0898	7.090.104,6919	7.090.099,7194	7.090.094,6978	7.090.094,3001	7.090.094,3001	7.090.092,3131	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA ALEX KRICHELDORF (T2)

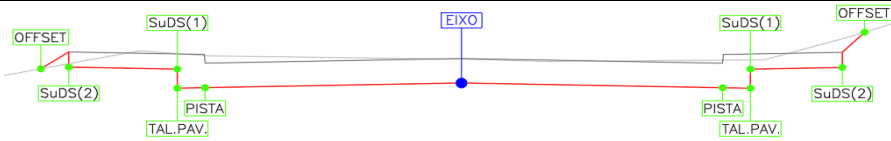
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 11+0											
Dist. Eixo (m):		-7,545	-5,376	-5,376	-4,978	0,000	5,022	5,420	5,420	7,250	
Cota Camada 1 (m)					11,068	11,167	11,067				
Cota Camada 3 (m)					10,988	11,087	10,987				
Cota Camada 6 (m)					10,948	11,047	10,947				
Cota Camada 7 (m)					10,828	10,927	10,827				
Cota (m):		11,009	10,965	10,670	10,678	10,777	10,677	10,669	10,964	11,001	
E:		709.745,7048	709.745,7794	709.745,7794	709.745,7931	709.745,9644	709.746,1372	709.746,1508	709.746,1508	709.746,2138	
N:		7.090.107,6040	7.090.105,4362	7.090.105,4362	7.090.105,0383	7.090.100,0635	7.090.095,0442	7.090.094,6465	7.090.094,6465	7.090.092,8180	
Station: 11+10											
Dist. Eixo (m):		-7,638	-5,378	-5,378	-4,980	0,000	5,020	5,418	5,418	7,032	
Cota Camada 1 (m)					11,040	11,139	11,039				
Cota Camada 3 (m)					10,960	11,059	10,959				
Cota Camada 6 (m)					10,920	11,019	10,919				
Cota Camada 7 (m)					10,800	10,899	10,799				
Cota (m):		10,983	10,938	10,642	10,650	10,749	10,649	10,641	10,937	10,969	
E:		709.755,6956	709.755,7734	709.755,7734	709.755,7871	709.755,9584	709.756,1312	709.756,1448	709.756,1448	709.756,2004	
N:		7.090.108,0410	7.090.105,7826	7.090.105,7826	7.090.105,3847	7.090.100,4076	7.090.095,3906	7.090.094,9929	7.090.094,9929	7.090.093,3802	
Station: 12+0											
Dist. Eixo (m):		-7,732	-5,381	-5,381	-4,982	0,000	5,018	5,416	5,416	6,923	
Cota Camada 1 (m)					11,025	11,125	11,024				
Cota Camada 3 (m)					10,945	11,045	10,944				
Cota Camada 6 (m)					10,905	11,005	10,904				
Cota Camada 7 (m)					10,785	10,885	10,784				
Cota (m):		10,970	10,923	10,627	10,635	10,735	10,634	10,626	10,922	10,952	
E:		709.765,6865	709.765,7674	709.765,7674	709.765,7811	709.765,9525	709.766,1252	709.766,1388	709.766,1388	709.766,1907	
N:		7.090.108,4793	7.090.106,1290	7.090.106,1290	7.090.105,7311	7.090.100,7517	7.090.095,7370	7.090.095,3393	7.090.095,3393	7.090.093,8324	
Station: 12+10											
Dist. Eixo (m):		-7,782	-5,383	-5,383	-4,985	0,000	5,015	5,413	5,413	6,898	
Cota Camada 1 (m)					11,010	11,110	11,009				
Cota Camada 3 (m)					10,930	11,030	10,929				
Cota Camada 6 (m)					10,890	10,990	10,889				
Cota Camada 7 (m)					10,770	10,870	10,769				
Cota (m):		10,956	10,908	10,612	10,620	10,720	10,619	10,612	10,907	10,937	
E:		709.775,6788	709.775,7614	709.775,7614	709.775,7751	709.775,9466	709.776,1192	709.776,1328	709.776,1328	709.776,1839	
N:		7.090.108,8733	7.090.106,4754	7.090.106,4754	7.090.106,0775	7.090.101,0957	7.090.096,0834	7.090.095,6857	7.090.095,6857	7.090.094,2018	
Station: 13+0											
Dist. Eixo (m):		-7,694	-5,385	-5,385	-4,987	0,000	5,013	5,411	5,411	7,066	
Cota Camada 1 (m)					10,995	11,095	10,995				
Cota Camada 3 (m)					10,915	11,015	10,915				
Cota Camada 6 (m)					10,875	10,975	10,875				
Cota Camada 7 (m)					10,755	10,855	10,755				
Cota (m):		10,939	10,893	10,597	10,605	10,705	10,605	10,597	10,893	10,926	
E:		709.785,6760	709.785,7554	709.785,7554	709.785,7691	709.785,9407	709.786,1132	709.786,1268	709.786,1268	709.786,1838	
N:		7.090.109,1290	7.090.106,8218	7.090.106,8218	7.090.106,4239	7.090.101,4398	7.090.096,4298	7.090.096,0321	7.090.096,0321	7.090.094,3778	
Station: 13+10											
Dist. Eixo (m):		-7,656	-5,388	-5,388	-4,989	0,000	5,011	5,409	5,409	7,637	
Cota Camada 1 (m)					10,980	11,080	10,980				
Cota Camada 3 (m)					10,900	11,000	10,900				
Cota Camada 6 (m)					10,860	10,960	10,860				
Cota Camada 7 (m)					10,740	10,840	10,740				
Cota (m):		10,923	10,878	10,582	10,590	10,690	10,590	10,582	10,877	10,922	
E:		709.795,6713	709.795,7494	709.795,7494	709.795,7631	709.795,9348	709.796,1072	709.796,1208	709.796,1208	709.796,1975	
N:		7.090.109,4355	7.090.107,1682	7.090.107,1682	7.090.106,7703	7.090.101,7839	7.090.096,7762	7.090.096,3785	7.090.096,3785	7.090.094,1513	
Station: 14+0											
Dist. Eixo (m):		-7,611	-5,390	-5,390	-4,992	0,000	5,008	5,406	5,406	7,785	
Cota Camada 1 (m)					10,965	11,065	10,965				
Cota Camada 3 (m)					10,885	10,985	10,885				
Cota Camada 6 (m)					10,845	10,945	10,845				
Cota Camada 7 (m)					10,725	10,825	10,725				
Cota (m):		10,908	10,863	10,567	10,575	10,675	10,575	10,567	10,862	10,910	
E:		709.805,6669	709.805,7434	709.805,7434	709.805,7571	709.805,9288	709.806,1012	709.806,1148	709.806,1148	709.806,1967	
N:		7.090.109,7348	7.090.107,5146	7.090.107,5146	7.090.107,1167	7.090.102,1279	7.090.097,1226	7.090.096,7249	7.090.096,7249	7.090.094,3475	
Station: 14+10											
Dist. Eixo (m):		-7,566	-5,392	-5,392	-4,994	0,000	5,006	5,404	5,404	7,696	
Cota Camada 1 (m)					10,951	11,050	10,950				
Cota Camada 3 (m)					10,871	10,970	10,870				
Cota Camada 6 (m)					10,831	10,930	10,830				
Cota Camada 7 (m)					10,711	10,810	10,710				
Cota (m):		10,892	10,848	10,553	10,561	10,660	10,560	10,552	10,848	10,894	
E:		709.815,6626	709.815,7374	709.815,7374	709.815,7511	709.815,9229	709.816,0951	709.816,1088	709.816,1088	709.816,1877	
N:		7.090.110,0340	7.090.107,8610	7.090.107,8610	7.090.107,4631	7.090.102,4720	7.090.097,4690	7.090.097,0713	7.090.097,0713	7.090.094,7810	
Station: 15+0											
Dist. Eixo (m):		-7,548	-5,395	-5,395	-4,996	0,000	5,004	5,402	5,402	7,585	
Cota Camada 1 (m)					10,936	11,036	10,936				
Cota Camada 3 (m)					10,856	10,956	10,856				
Cota Camada 6 (m)					10,816	10,916	10,816				
Cota Camada 7 (m)					10,696	10,796	10,696				
Cota (m):		10,876	10,833	10,538	10,546	10,646	10,546	10,538	10,833	10,877	
E:		709.825,6573	709.825,7314	709.825,7314	709.825,7451	709.825,9170	709.826,0891	709.826,1028	709.826,1028	709.826,1780	
N:		7.090.110,3594	7.090.108,2074	7.090.108,2074	7.090.107,8095	7.090.102,8161	7.090.097,8154	7.090.097,4177	7.090.097,4177	7.090.095,2356	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA ALEX KRICHELDORF (T2)

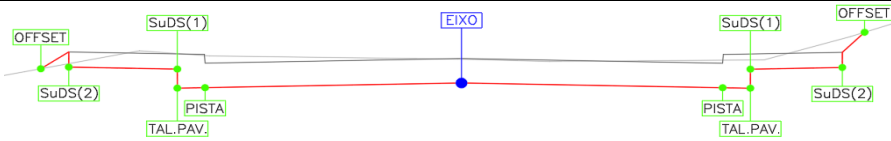
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 15+10											
Dist. Eixo (m):		-7,554	-5,397	-5,397	-4,999	0,000	5,001	5,399	5,399	7,770	
Cota Camada 1 (m)					10,921	11,021	10,921				
Cota Camada 3 (m)					10,841	10,941	10,841				
Cota Camada 6 (m)					10,801	10,901	10,801				
Cota Camada 7 (m)					10,681	10,781	10,681				
Cota (m):		10,862	10,819	10,523	10,531	10,631	10,531	10,523	10,819	10,866	
E:		709.835,6512	709.835,7254	709.835,7254	709.835,7391	709.835,9111	709.836,0831	709.836,0968	709.836,0968	709.836,1784	
N:		7.090.110,7097	7.090.108,5538	7.090.108,5538	7.090.108,1559	7.090.103,1601	7.090.098,1618	7.090.097,7641	7.090.097,7641	7.090.095,3946	
Station: 15+15											
Dist. Eixo (m):		-7,650	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	8,108	
Cota Camada 1 (m)					10,912	11,012	10,912				
Cota Camada 3 (m)					10,832	10,932	10,832				
Cota Camada 6 (m)					10,792	10,892	10,792				
Cota Camada 7 (m)					10,672	10,772	10,672				
Cota (m):		10,855	10,810	10,514	10,522	10,622	10,522	10,514	10,810	10,864	
E:		709.841,2719	709.841,3493	709.841,3493	709.841,3630	709.841,5351	709.841,7071	709.841,7208	709.841,7208	709.841,8140	
N:		7.090.110,9992	7.090.108,7487	7.090.108,7487	7.090.108,3508	7.090.103,3537	7.090.098,3567	7.090.097,9590	7.090.097,9590	7.090.095,2509	
Station: 16+0											
Dist. Eixo (m):		-8,424	-6,589	-6,589	-6,191	0,000	5,954	6,352	6,352	10,289	
Cota Camada 1 (m)					10,955	11,006	10,931				
Cota Camada 3 (m)					10,875	10,926	10,851				
Cota Camada 6 (m)					10,835	10,886	10,811				
Cota Camada 7 (m)					10,715	10,766	10,691				
Cota (m):		10,889	10,853	10,557	10,565	10,616	10,541	10,533	10,829	10,908	
E:		709.845,6134	709.845,6769	709.845,6769	709.845,6907	709.845,9051	709.846,1113	709.846,1251	709.846,1251	709.846,2614	
N:		7.090.111,9237	7.090.110,0902	7.090.110,0902	7.090.109,6923	7.090.103,5052	7.090.097,5551	7.090.097,1574	7.090.097,1574	7.090.093,2220	
Station: 16+3											
Dist. Eixo (m):		-13,527	-13,173	-13,173	-12,775	0,000	10,458	10,856	10,856	12,972	
Cota Camada 1 (m)					11,032	11,000	10,962				
Cota Camada 3 (m)					10,952	10,920	10,882				
Cota Camada 6 (m)					10,912	10,880	10,842				
Cota Camada 7 (m)					10,792	10,760	10,722				
Cota (m):		11,197	10,930	10,634	10,642	10,610	10,572	10,564	10,860	10,902	
E:		709.849,2318	709.849,2440	709.849,2440	709.849,2578	709.849,7002	709.850,0624	709.850,0761	709.850,0761	709.850,1494	
N:		7.090.117,1555	7.090.116,8021	7.090.116,8021	7.090.116,4042	7.090.103,6367	7.090.093,1852	7.090.092,7875	7.090.092,7875	7.090.090,6729	
Station: 16+14											
Dist. Eixo (m):		-10,064	-8,396	-8,396	-7,998	0,000	12,987	13,385	13,385		
Cota Camada 1 (m)					10,990	11,000	10,740				
Cota Camada 3 (m)					10,910	10,920	10,660				
Cota Camada 6 (m)					10,870	10,880	10,620				
Cota Camada 7 (m)					10,750	10,760	10,500				
Cota (m):		11,181	10,887	10,592	10,600	10,610	10,350	10,342	0,268		
E:		709.859,7601	709.859,8179	709.859,8179	709.859,8317	709.860,1087	709.860,5584	709.860,5722	709.860,5722		
N:		7.090.114,0557	7.090.112,3883	7.090.112,3883	7.090.111,9904	7.090.103,9973	7.090.091,0178	7.090.090,6201	7.090.090,6201		
Station: 17+0											
Dist. Eixo (m):		-8,249	-5,415	-5,415	-5,017	0,000	5,313	5,711	5,711	8,411	
Cota Camada 1 (m)					10,881	10,981	10,892				
Cota Camada 3 (m)					10,801	10,901	10,812				
Cota Camada 6 (m)					10,761	10,861	10,772				
Cota Camada 7 (m)					10,641	10,741	10,652				
Cota (m):		10,835	10,779	10,483	10,491	10,591	10,502	10,494	10,790	10,844	
E:		709.865,6075	709.865,7056	709.865,7056	709.865,7194	709.865,8931	709.866,0771	709.866,0909	709.866,0909	709.866,1844	
N:		7.090.112,4414	7.090.109,6095	7.090.109,6095	7.090.109,2116	7.090.104,1978	7.090.098,8884	7.090.098,4906	7.090.098,4906	7.090.095,7914	
Station: 17+1											
Dist. Eixo (m):		-8,255	-5,401	-5,401	-5,002	0,000	5,008	5,406	5,406	8,261	
Cota Camada 1 (m)					10,875	10,975	10,877				
Cota Camada 3 (m)					10,795	10,895	10,797				
Cota Camada 6 (m)					10,755	10,855	10,757				
Cota Camada 7 (m)					10,635	10,735	10,637				
Cota (m):		10,830	10,773	10,477	10,485	10,585	10,487	10,479	10,775	10,832	
E:		709.867,4770	709.867,5759	709.867,5759	709.867,5896	709.867,7629	709.867,9363	709.867,9501	709.867,9501	709.868,0490	
N:		7.090.112,5127	7.090.109,6599	7.090.109,6599	7.090.109,2620	7.090.104,2626	7.090.099,2576	7.090.098,8599	7.090.098,8599	7.090.096,0067	
Station: 17+10											
Dist. Eixo (m):		-8,301	-5,356	-5,356	-4,958	0,000	5,043	5,441	5,441	8,132	
Cota Camada 1 (m)					10,849	10,948	10,848				
Cota Camada 3 (m)					10,769	10,868	10,768				
Cota Camada 6 (m)					10,729	10,828	10,728				
Cota Camada 7 (m)					10,609	10,708	10,608				
Cota (m):		10,806	10,747	10,451	10,459	10,558	10,458	10,450	10,745	10,799	
E:		709.875,6183	709.875,7139	709.875,7139	709.875,7268	709.875,8877	709.876,0514	709.876,0643	709.876,0643	709.876,1516	
N:		7.090.112,8229	7.090.109,8793	7.090.109,8793	7.090.109,4814	7.090.104,5264	7.090.099,4865	7.090.099,0888	7.090.099,0888	7.090.096,3991	
Station: 18+0											
Dist. Eixo (m):		-7,489	-5,301	-5,301	-4,902	0,000	5,098	5,496	5,496	8,066	
Cota Camada 1 (m)					10,818	10,916	10,814				
Cota Camada 3 (m)					10,738	10,836	10,734				
Cota Camada 6 (m)					10,698	10,796	10,694				
Cota Camada 7 (m)					10,578	10,676	10,574				
Cota (m):		10,759	10,716	10,420	10,428	10,526	10,424	10,416	10,712	10,763	
E:		709.885,6394	709.885,7104	709.885,7104	709.885,7233	709.885,8824	709.886,0479	709.886,0608	709.886,0608	709.886,1443	
N:		7.090.112,3363	7.090.110,1488	7.090.110,1488	7.090.109,7509	7.090.104,8510	7.090.099,7560	7.090.099,3582	7.090.099,3582	7.090.096,7891	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA ALEX KRICHELDORF (T2)

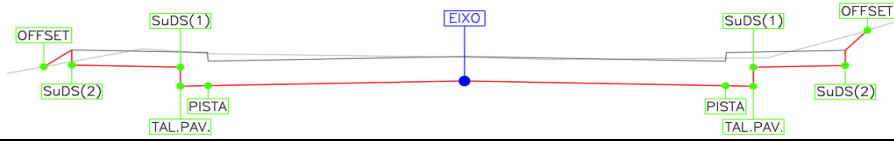
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 18+10											
Dist. Eixo (m):		-7,582	-5,245	-5,245	-4,847	0,000	5,153	5,551	5,551	8,056	
Cota Camada 1 (m)					10,786	10,883	10,780				
Cota Camada 3 (m)					10,706	10,803	10,700				
Cota Camada 6 (m)					10,666	10,763	10,660				
Cota Camada 7 (m)					10,546	10,643	10,540				
Cota (m):		10,731	10,684	10,388	10,396	10,493	10,390	10,382	10,678	10,728	
E:		709.895,6311	709.895,7069	709.895,7069	709.895,7198	709.895,8772	709.896,0444	709.896,0573	709.896,0573	709.896,1386	
N:		7.090.112,7539	7.090.110,4183	7.090.110,4183	7.090.110,0204	7.090.105,1756	7.090.100,0255	7.090.099,6277	7.090.099,6277	7.090.097,1243	
Station: 19+0											
Dist. Eixo (m):		-7,677	-5,190	-5,190	-4,792	0,000	5,208	5,606	5,606	8,117	
Cota Camada 1 (m)					10,755	10,851	10,746				
Cota Camada 3 (m)					10,675	10,771	10,666				
Cota Camada 6 (m)					10,635	10,731	10,626				
Cota Camada 7 (m)					10,515	10,611	10,506				
Cota (m):		10,961	10,652	10,357	10,365	10,461	10,356	10,348	10,644	10,694	
E:		709.905,6227	709.905,7034	709.905,7034	709.905,7164	709.905,8719	709.906,0409	709.906,0539	709.906,0539	709.906,1354	
N:		7.090.113,1731	7.090.110,6878	7.090.110,6878	7.090.110,2898	7.090.105,5002	7.090.100,2950	7.090.099,8972	7.090.099,8972	7.090.097,3871	
Station: 19+10											
Dist. Eixo (m):		-7,914	-5,135	-5,135	-4,737	0,000	5,263	5,661	5,661	8,272	
Cota Camada 1 (m)					10,723	10,818	10,713				
Cota Camada 3 (m)					10,643	10,738	10,633				
Cota Camada 6 (m)					10,603	10,698	10,593				
Cota Camada 7 (m)					10,483	10,578	10,473				
Cota (m):		10,676	10,621	10,325	10,333	10,428	10,323	10,315	10,611	10,663	
E:		709.915,6098	709.915,7000	709.915,7000	709.915,7129	709.915,8666	709.916,0375	709.916,0504	709.916,0504	709.916,1351	
N:		7.090.113,7343	7.090.110,9573	7.090.110,9573	7.090.110,5593	7.090.105,8247	7.090.100,5644	7.090.100,1667	7.090.100,1667	7.090.097,5575	
Station: 20+0											
Dist. Eixo (m):		-7,901	-5,080	-5,080	-4,682	0,000	5,318	5,716	5,716	8,426	
Cota Camada 1 (m)					10,692	10,785	10,679				
Cota Camada 3 (m)					10,612	10,705	10,599				
Cota Camada 6 (m)					10,572	10,665	10,559				
Cota Camada 7 (m)					10,452	10,545	10,439				
Cota (m):		10,646	10,589	10,294	10,302	10,395	10,289	10,281	10,577	10,631	
E:		709.925,6049	709.925,6965	709.925,6965	709.925,7094	709.925,8614	709.926,0340	709.926,0469	709.926,0469	709.926,1349	
N:		7.090.114,0465	7.090.111,2268	7.090.111,2268	7.090.110,8288	7.090.106,1493	7.090.100,8339	7.090.100,4362	7.090.100,4362	7.090.097,7279	
Station: 20+10											
Dist. Eixo (m):		-7,870	-5,029	-5,029	-4,631	0,000	5,369	5,767	5,767	8,413	
Cota Camada 1 (m)					10,660	10,753	10,645				
Cota Camada 3 (m)					10,580	10,673	10,565				
Cota Camada 6 (m)					10,540	10,633	10,525				
Cota Camada 7 (m)					10,420	10,513	10,405				
Cota (m):		10,614	10,558	10,262	10,270	10,363	10,255	10,247	10,543	10,596	
E:		709.935,6007	709.935,6929	709.935,6929	709.935,7058	709.935,8561	709.936,0304	709.936,0433	709.936,0433	709.936,1292	
N:		7.090.114,3397	7.090.111,5007	7.090.111,5007	7.090.111,1028	7.090.106,4739	7.090.101,1079	7.090.100,7101	7.090.100,7101	7.090.098,0650	
Station: 21+0											
Dist. Eixo (m):		-7,865	-5,084	-5,084	-4,686	0,000	5,314	5,712	5,712	8,372	
Cota Camada 1 (m)					10,626	10,720	10,614				
Cota Camada 3 (m)					10,546	10,640	10,534				
Cota Camada 6 (m)					10,506	10,600	10,494				
Cota Camada 7 (m)					10,386	10,480	10,374				
Cota (m):		10,580	10,524	10,228	10,236	10,330	10,224	10,216	10,512	10,565	
E:		709.945,5956	709.945,6858	709.945,6858	709.945,6987	709.945,8508	709.946,0233	709.946,0362	709.946,0362	709.946,1226	
N:		7.090.114,6589	7.090.111,8801	7.090.111,8801	7.090.111,4821	7.090.106,7985	7.090.101,4872	7.090.101,0895	7.090.101,0895	7.090.098,4305	
Station: 21+10											
Dist. Eixo (m):		-7,888	-5,139	-5,139	-4,741	0,000	5,259	5,657	5,657	8,307	
Cota Camada 1 (m)					10,584	10,679	10,573				
Cota Camada 3 (m)					10,504	10,599	10,493				
Cota Camada 6 (m)					10,464	10,559	10,453				
Cota Camada 7 (m)					10,344	10,439	10,333				
Cota (m):		10,537	10,482	10,186	10,194	10,289	10,183	10,175	10,471	10,524	
E:		709.955,5895	709.955,6788	709.955,6788	709.955,6917	709.955,8456	709.956,0163	709.956,0292	709.956,0292	709.956,1152	
N:		7.090.115,0072	7.090.112,2594	7.090.112,2594	7.090.111,8615	7.090.107,1230	7.090.101,8666	7.090.101,4689	7.090.101,4689	7.090.098,8201	
Station: 22+0											
Dist. Eixo (m):		-7,912	-5,194	-5,194	-4,796	0,000	5,204	5,602	5,602	8,242	8,321
Cota Camada 1 (m)					10,517	10,613	10,509				
Cota Camada 3 (m)					10,437	10,533	10,429				
Cota Camada 6 (m)					10,397	10,493	10,389				
Cota Camada 7 (m)					10,277	10,373	10,269				
Cota (m):		10,469	10,415	10,119	10,127	10,223	10,119	10,111	10,406	10,459	10,471
E:		709.965,5835	709.965,6717	709.965,6717	709.965,6846	709.965,8403	709.966,0092	709.966,0221	709.966,0221	709.966,1078	709.966,1104
N:		7.090.115,3556	7.090.112,6388	7.090.112,6388	7.090.112,2408	7.090.107,4476	7.090.102,2460	7.090.101,8482	7.090.101,8482	7.090.099,2097	7.090.099,1314
Station: 22+10											
Dist. Eixo (m):		-7,936	-5,249	-5,249	-4,851	0,000	5,150	5,548	5,548	8,177	8,598
Cota Camada 1 (m)					10,434	10,531	10,428				
Cota Camada 3 (m)					10,354	10,451	10,348				
Cota Camada 6 (m)					10,314	10,411	10,308				
Cota Camada 7 (m)					10,194	10,291	10,188				
Cota (m):		10,386	10,332	10,036	10,044	10,141	10,038	10,030	10,326	10,379	10,358
E:		709.975,5774	709.975,6647	709.975,6647	709.975,6776	709.975,8350	709.976,0022	709.976,0151	709.976,0151	709.976,1004	709.976,1141
N:		7.090.115,7040	7.090.113,0181	7.090.113,0181	7.090.112,6202	7.090.107,7722	7.090.102,6253	7.090.102,2276	7.090.102,2276	7.090.099,5992	7.090.099,1784

PREFEITURA MUNICIPAL DE JOINVILLE
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NOTA DE SERVIÇO
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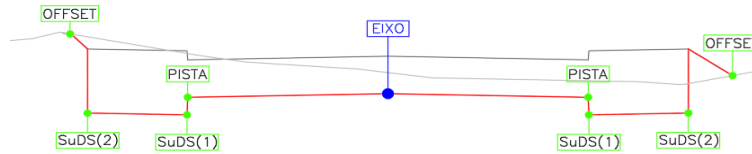
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 23+0											
Dist. Eixo (m):		-7,960	-5,304	-5,304	-4,905	0,000	5,095	5,493	5,493	8,112	8,499
Cota Camada 1 (m)					10,351	10,449	10,347				
Cota Camada 3 (m)					10,271	10,369	10,267				
Cota Camada 6 (m)					10,231	10,329	10,227				
Cota Camada 7 (m)					10,111	10,209	10,107				
Cota (m):		10,562	10,249	9,953	9,961	10,059	9,957	9,949	10,246	10,298	10,300
E:		709.985,5714	709.985,6576	709.985,6576	709.985,6705	709.985,8298	709.985,9951	709.986,0080	709.986,0080	709.986,0931	709.986,1056
N:		7.090.116,0526	7.090.113,3975	7.090.113,3975	7.090.112,9995	7.090.108,0968	7.090.103,0047	7.090.102,6069	7.090.102,6069	7.090.099,9888	7.090.099,6019
Station: 23+10											
Dist. Eixo (m):	-8,234	-7,984	-5,358	-5,358	-4,960	0,000	5,040	5,438	5,438	8,047	8,384
Cota Camada 1 (m)					10,268	10,367	10,267				
Cota Camada 3 (m)					10,188	10,287	10,187				
Cota Camada 6 (m)					10,148	10,247	10,147				
Cota Camada 7 (m)					10,028	10,127	10,027				
Cota (m):	10,729	10,479	10,166	9,870	9,878	9,977	9,877	9,869	10,165	10,217	10,252
E:	709.995,5572	709.995,5653	709.995,6506	709.995,6506	709.995,6635	709.995,8245	709.995,9881	709.996,0010	709.996,0010	709.996,0857	709.996,0966
N:	7.090.116,6512	7.090.116,4009	7.090.113,7768	7.090.113,7768	7.090.113,3789	7.090.108,4214	7.090.103,3840	7.090.102,9863	7.090.102,9863	7.090.100,3784	7.090.100,0418
Station: 23+17											
Dist. Eixo (m):	-8,259	-8,001	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	6,200	6,459
Cota Camada 1 (m)					10,208	10,308	10,208				
Cota Camada 3 (m)					10,128	10,228	10,128				
Cota Camada 6 (m)					10,088	10,188	10,088				
Cota Camada 7 (m)					9,968	10,068	9,968				
Cota (m):	10,676	10,418	10,105	9,810	9,818	9,918	9,818	9,810	10,105	10,121	10,209
E:	710.002,8375	710.002,8459	710.002,9303	710.002,9303	710.002,9433	710.003,1056	710.003,2679	710.003,2808	710.003,2808	710.003,3068	710.003,3152
N:	7.090.116,9129	7.090.116,6547	7.090.114,0532	7.090.114,0532	7.090.113,6553	7.090.108,6578	7.090.103,6604	7.090.103,2627	7.090.103,2627	7.090.102,4611	7.090.102,2019

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA ANERY R. ROQUE

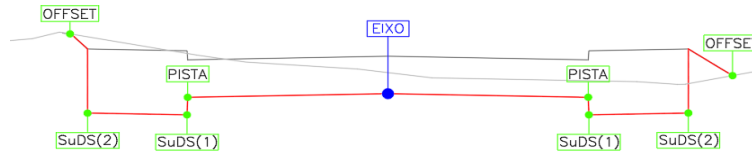
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0									
Dist.eixo (m)	-12,414	-12,174	-10,601	-10,591	0,000	11,003			
Cota Camada 1 (m)				11,118	11,330	11,110			
Cota Camada 3 (m)				11,038	11,250	11,030			
Cota Camada 6 (m)				10,998	11,210	10,990			
Cota Camada 7 (m)				10,878	11,090	10,870			
Cota (m)	11,140	11,300	10,408	10,728	10,940	10,720			
E	709,572.1897	709,571.9505	709,570.3779	709,570.3679	709,559.7848	709,548.7893			
N	7,089,206.2902	7,089,206.2812	7,089,206.2221	7,089,206.2217	7,089,205.8240	7,089,205.4108			
Station: 0+10									
Dist.eixo (m)		-6,424	-4,010	-4,000	0,000	4,000	4,010	5,903	5,935
Cota Camada 1 (m)				11,256	11,336	11,256			
Cota Camada 3 (m)				11,176	11,256	11,176			
Cota Camada 6 (m)				11,136	11,216	11,136			
Cota Camada 7 (m)				11,016	11,096	11,016			
Cota (m)		10,595	10,546	10,866	10,946	10,866	10,546	10,584	11,423
E		709,566.5802	709,564.1675	709,564.1575	709,560.1603	709,556.1631	709,556.1532	709,554.2616	709,554.2298
N		7,089,196.0723	7,089,195.9816	7,089,195.9813	7,089,195.8311	7,089,195.6809	7,089,195.6805	7,089,195.6094	7,089,195.6082
Station: 1+0									
Dist.eixo (m)		-6,177	-4,010	-4,000	0,000	4,000	4,010	5,916	
Cota Camada 1 (m)				11,263	11,343	11,263			
Cota Camada 3 (m)				11,183	11,263	11,183			
Cota Camada 6 (m)				11,143	11,223	11,143			
Cota Camada 7 (m)				11,023	11,103	11,023			
Cota (m)		10,596	10,553	10,873	10,953	10,873	10,553	10,591	
E		709,566.7087	709,564.5430	709,564.5330	709,560.5358	709,556.5387	709,556.5287	709,554.6238	
N		7,089,186.0701	7,089,185.9887	7,089,185.9883	7,089,185.8381	7,089,185.6879	7,089,185.6875	7,089,185.6160	
Station: 1+10									
Dist.eixo (m)	-6,083	-5,861	-4,010	-4,000	0,000	4,000	4,010	5,933	
Cota Camada 1 (m)				11,269	11,349	11,269			
Cota Camada 3 (m)				11,189	11,269	11,189			
Cota Camada 6 (m)				11,149	11,229	11,149			
Cota Camada 7 (m)				11,029	11,109	11,029			
Cota (m)	11,308	11,456	10,559	10,879	10,959	10,879	10,559	10,597	
E	709,566.9898	709,566.7683	709,564.9185	709,564.9085	709,560.9114	709,556.9142	709,556.9042	709,554.9828	
N	7,089,176.0736	7,089,176.0653	7,089,175.9957	7,089,175.9954	7,089,175.8452	7,089,175.6950	7,089,175.6946	7,089,175.6224	
Station: 2+0									
Dist.eixo (m)		-5,931	-4,010	-4,000	0,000	4,000	4,010	5,985	
Cota Camada 1 (m)				11,275	11,355	11,275			
Cota Camada 3 (m)				11,195	11,275	11,195			
Cota Camada 6 (m)				11,155	11,235	11,155			
Cota Camada 7 (m)				11,035	11,115	11,035			
Cota (m)		10,604	10,565	10,885	10,965	10,885	10,565	10,605	
E		709,567.2136	709,565.2940	709,565.2840	709,561.2869	709,557.2897	709,557.2797	709,555.3058	
N		7,089,166.0749	7,089,166.0028	7,089,166.0024	7,089,165.8522	7,089,165.7020	7,089,165.7016	7,089,165.6275	
Station: 2+10									
Dist.eixo (m)		-5,884	-4,010	-4,000	0,000	4,000	4,010	5,993	
Cota Camada 1 (m)				11,282	11,362	11,282			
Cota Camada 3 (m)				11,202	11,282	11,202			
Cota Camada 6 (m)				11,162	11,242	11,162			
Cota Camada 7 (m)				11,042	11,122	11,042			
Cota (m)		10,609	10,572	10,892	10,972	10,892	10,572	10,611	
E		709,567.5421	709,565.6695	709,565.6596	709,561.6624	709,557.6652	709,557.6552	709,555.6741	
N		7,089,156.0802	7,089,156.0099	7,089,156.0095	7,089,155.8593	7,089,155.7091	7,089,155.7087	7,089,155.6342	
Station: 3+0									
Dist.eixo (m)		-5,914	-4,010	-4,000	0,000	4,000	4,010	5,962	
Cota Camada 1 (m)				11,288	11,368	11,288			
Cota Camada 3 (m)				11,208	11,288	11,208			
Cota Camada 6 (m)				11,168	11,248	11,168			
Cota Camada 7 (m)				11,048	11,128	11,048			
Cota (m)		10,616	10,578	10,898	10,978	10,898	10,578	10,617	
E		709,567.9481	709,566.0451	709,566.0351	709,562.0379	709,558.0407	709,558.0307	709,556.0803	
N		7,089,146.0884	7,089,146.0169	7,089,146.0165	7,089,145.8663	7,089,145.7161	7,089,145.7157	7,089,145.6425	

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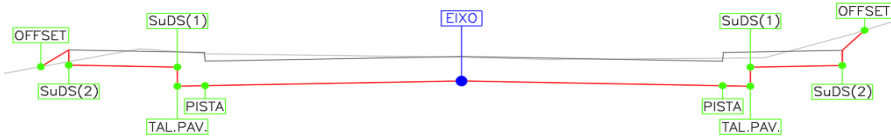
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 3+10									
Dist.eixo (m)		-5,947	-4,010	-4,000	0,000	4,000	4,010	5,931	
Cota Camada 1 (m)				11,294	11,374	11,294			
Cota Camada 3 (m)				11,214	11,294	11,214			
Cota Camada 6 (m)				11,174	11,254	11,174			
Cota Camada 7 (m)				11,054	11,134	11,054			
Cota (m)	10,623	10,584	10,904	10,984	10,904	10,584	10,623		
E	709,568.3559	709,566.4206	709,566.4106	709,562.4134	709,558.4162	709,558.4062	709,556.4866		
N	7,089,136.0967	7,089,136.0240	7,089,136.0236	7,089,135.8734	7,089,135.7232	7,089,135.7228	7,089,135.6507		
Station: 4+0									
Dist.eixo (m)		-5,987	-4,010	-4,000	0,000	4,000	4,010	5,900	
Cota Camada 1 (m)				11,301	11,381	11,301			
Cota Camada 3 (m)				11,221	11,301	11,221			
Cota Camada 6 (m)				11,181	11,261	11,181			
Cota Camada 7 (m)				11,061	11,141	11,061			
Cota (m)	10,630	10,591	10,911	10,991	10,911	10,591	10,628		
E	709,568.7714	709,566.7961	709,566.7861	709,562.7889	709,558.7917	709,558.7817	709,556.8928		
N	7,089,126.1052	7,089,126.0310	7,089,126.0306	7,089,125.8804	7,089,125.7302	7,089,125.7299	7,089,125.6589		
Station: 4+10									
Dist.eixo (m)		-5,925	-4,010	-4,000	0,000	4,000	4,010	5,900	
Cota Camada 1 (m)				11,307	11,387	11,307			
Cota Camada 3 (m)				11,227	11,307	11,227			
Cota Camada 6 (m)				11,187	11,267	11,187			
Cota Camada 7 (m)				11,067	11,147	11,067			
Cota (m)	10,635	10,597	10,917	10,997	10,917	10,597	10,635		
E	709,569.0855	709,567.1716	709,567.1616	709,563.1644	709,559.1673	709,559.1573	709,557.2686		
N	7,089,116.1100	7,089,116.0381	7,089,116.0377	7,089,115.8875	7,089,115.7373	7,089,115.7369	7,089,115.6659		
Station: 4+12									
Dist.eixo (m)		-5,911	-4,010	-4,000	0,000	4,000	4,010	5,900	
Cota Camada 1 (m)				11,308	11,388	11,308			
Cota Camada 3 (m)				11,228	11,308	11,228			
Cota Camada 6 (m)				11,188	11,268	11,188			
Cota Camada 7 (m)				11,068	11,148	11,068			
Cota (m)	10,636	10,598	10,918	10,998	10,918	10,598	10,636		
E	709,569.1529	709,567.2533	709,567.2433	709,563.2461	709,559.2489	709,559.2389	709,557.3503		
N	7,089,113.9362	7,089,113.8648	7,089,113.8644	7,089,113.7142	7,089,113.5640	7,089,113.5636	7,089,113.4926		

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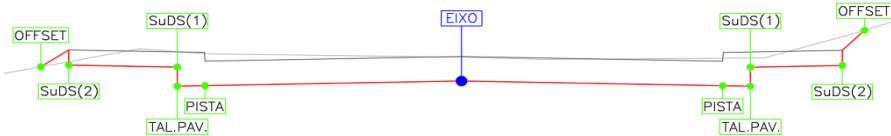
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):		-11,354	-9,729	-9,729	-9,330	0,000	9,669	10,067			
Cota Camada 1 (m)					12,248	12,249	12,258				
Cota Camada 3 (m)					12,168	12,169	12,178				
Cota Camada 6 (m)					12,128	12,129	12,138				
Cota Camada 7 (m)					12,008	12,009	12,018				
Cota (m):		11,978	11,946	11,850	11,858	11,859	11,868	11,860			
E:		709.086,6723	709.086,7376	709.086,7376	709.086,7536	709.087,1285	709.087,5171	709.087,5331			
N:		7.089.711,9359	7.089.710,3120	7.089.710,3120	7.089.709,9142	7.089.700,5913	7.089.690,9305	7.089.690,5328			
Station: 0+10											
Dist. Eixo (m):		-7,741	-5,503	-5,503	-5,105	0,000	4,895	5,293	5,293	7,621	
Cota Camada 1 (m)					12,208	12,310	12,212				
Cota Camada 3 (m)					12,128	12,230	12,132				
Cota Camada 6 (m)					12,088	12,190	12,092				
Cota Camada 7 (m)					11,968	12,070	11,972				
Cota (m):		12,410	11,905	11,810	11,818	11,920	11,822	11,814	11,909	11,956	
E:		709.096,8094	709.096,8993	709.096,8993	709.096,9153	709.097,1205	709.097,3172	709.097,3332	709.097,3332	709.097,4267	
N:		7.089.708,7277	7.089.706,4917	7.089.706,4917	7.089.706,0939	7.089.701,9931	7.089.696,1019	7.089.695,7043	7.089.695,7043	7.089.693,3788	
Station: 1+0											
Dist. Eixo (m):		-7,699	-5,481	-5,481	-5,083	0,000	4,917	5,315	5,315	7,747	
Cota Camada 1 (m)					12,269	12,370	12,272				
Cota Camada 3 (m)					12,189	12,290	12,192				
Cota Camada 6 (m)					12,149	12,250	12,152				
Cota Camada 7 (m)					12,029	12,130	12,032				
Cota (m):		12,010	11,966	11,871	11,879	11,980	11,882	11,874	11,969	12,018	
E:		709.106,8030	709.106,8921	709.106,8921	709.106,9081	709.107,1124	709.107,3100	709.107,3260	709.107,3260	709.107,4237	
N:		7.089.709,0876	7.089.706,8719	7.089.706,8719	7.089.706,4740	7.089.701,3950	7.089.696,4821	7.089.696,0844	7.089.696,0844	7.089.693,6538	
Station: 1+10											
Dist. Eixo (m):		-7,659	-5,460	-5,460	-5,061	0,000	4,939	5,337	5,337	7,874	
Cota Camada 1 (m)					12,326	12,427	12,328				
Cota Camada 3 (m)					12,246	12,347	12,248				
Cota Camada 6 (m)					12,206	12,307	12,208				
Cota Camada 7 (m)					12,086	12,187	12,088				
Cota (m):		12,068	12,024	11,928	11,936	12,037	11,938	11,930	12,026	12,077	
E:		709.116,7965	709.116,8849	709.116,8849	709.116,9009	709.117,1043	709.117,3028	709.117,3188	709.117,3188	709.117,4207	
N:		7.089.709,4499	7.089.707,2520	7.089.707,2520	7.089.706,8541	7.089.701,7969	7.089.696,8622	7.089.696,4646	7.089.696,4646	7.089.693,9288	
Station: 2+0											
Dist. Eixo (m):		-7,646	-5,438	-5,438	-5,040	0,000	4,960	5,358	5,358	7,475	
Cota Camada 1 (m)					12,351	12,452	12,353				
Cota Camada 3 (m)					12,271	12,372	12,273				
Cota Camada 6 (m)					12,231	12,332	12,233				
Cota Camada 7 (m)					12,111	12,212	12,113				
Cota (m):		12,093	12,049	11,953	11,961	12,062	11,963	11,955	12,051	12,093	
E:		709.126,7890	709.126,8777	709.126,8777	709.126,8937	709.127,0962	709.127,2956	709.127,3116	709.127,3116	709.127,3966	
N:		7.089.709,8386	7.089.707,6321	7.089.707,6321	7.089.707,2343	7.089.702,1967	7.089.697,2423	7.089.696,8447	7.089.696,8447	7.089.694,7293	
Station: 2+10											
Dist. Eixo (m):		-7,633	-5,416	-5,416	-5,018	0,000	4,982	5,380	5,380	7,567	
Cota Camada 1 (m)					12,343	12,443	12,343				
Cota Camada 3 (m)					12,263	12,363	12,263				
Cota Camada 6 (m)					12,223	12,323	12,223				
Cota Camada 7 (m)					12,103	12,203	12,103				
Cota (m):		12,085	12,040	11,945	11,953	12,053	11,953	11,945	12,041	12,085	
E:		709.136,7814	709.136,8705	709.136,8705	709.136,8865	709.137,0882	709.137,2884	709.137,3044	709.137,3044	709.137,3922	
N:		7.089.710,2276	7.089.708,0122	7.089.708,0122	7.089.707,6144	7.089.702,6006	7.089.697,6225	7.089.697,2248	7.089.697,2248	7.089.695,0394	
Station: 2+18											
Dist. Eixo (m):		-7,691	-5,398	-5,398	-5,000	0,000	5,099	5,497	5,497	7,648	7,984
Cota Camada 1 (m)					12,331	12,431	12,339				
Cota Camada 3 (m)					12,251	12,351	12,259				
Cota Camada 6 (m)					12,211	12,311	12,219				
Cota Camada 7 (m)					12,091	12,191	12,099				
Cota (m):		12,074	12,029	11,933	11,941	12,041	11,949	11,942	12,037	12,080	12,316
E:		709.144,9996	709.145,0917	709.145,0917	709.145,1077	709.145,3086	709.145,5136	709.145,5295	709.145,5295	709.145,6160	709.145,6295
N:		7.089.710,6155	7.089.708,3250	7.089.708,3250	7.089.707,9271	7.089.702,9312	7.089.697,8353	7.089.697,4377	7.089.697,4377	7.089.695,2872	7.089.694,9513
Station: 3+0											
Dist. Eixo (m):		-8,087	-5,701	-5,701	-5,303	0,000	5,515	5,913	5,913	6,911	8,273
Cota Camada 1 (m)					12,357	12,458	12,349				
Cota Camada 3 (m)					12,277	12,378	12,269				
Cota Camada 6 (m)					12,237	12,338	12,229				
Cota Camada 7 (m)					12,117	12,218	12,109				
Cota (m):		12,102	12,054	11,959	11,967	12,038	11,959	11,951	12,046	12,066	12,094
E:		709.146,9351	709.146,9782	709.146,9782	709.146,9854	709.147,0812	709.147,1809	709.147,1880	709.147,1880	709.147,2061	709.147,2307
N:		7.089.711,0490	7.089.708,6632	7.089.708,6632	7.089.708,2651	7.089.702,9632	7.089.697,4495	7.089.697,0516	7.089.697,0516	7.089.696,0533	7.089.694,6911
Station: 3+4											
Dist. Eixo (m):		-12,985	-12,183	-12,183	-11,785	0,000	10,899	11,297	11,297	13,552	
Cota Camada 1 (m)					12,474	12,420	12,391				
Cota Camada 3 (m)					12,394	12,340	12,311				
Cota Camada 6 (m)					12,354	12,300	12,271				
Cota Camada 7 (m)					12,234	12,180	12,151				
Cota (m):		12,188	12,172	12,076	12,084	12,030	12,001	11,993	12,089	12,134	
E:		709.151,7959	709.151,8104	709.151,8104	709.151,8176	709.152,0305	709.152,2275	709.152,2346	709.152,2346	709.152,2754	
N:		7.089.716,0357	7.089.715,2340	7.089.715,2340	7.089.714,8359	7.089.703,0526	7.089.692,1550	7.089.691,7571	7.089.691,7571	7.089.689,5029	
Station: 4+0											
Dist. Eixo (m):		-7,763	-5,009			0,000			5,028	7,950	
Cota (m):		12,050	11,995						11,995	12,053	
E:		709.166,9377	709.166,9875			709.167,0780			709.167,1688	709.167,2216	
N:		7.089.711,0867	7.089.708,3327			7.089.703,3245			7.089.698,2975	7.089.695,3762	

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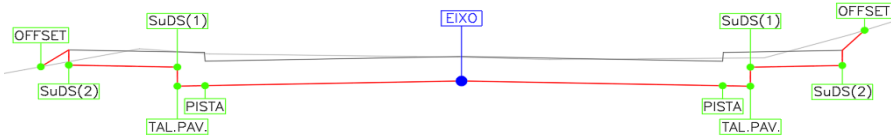
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 4+10											
Dist. Eixo (m):		-7,802	-4,963			0,000			5,057	8,027	
Cota (m):		11,987	11,930						11,929	11,988	
E:		709.176,8561	709.176,9354			709.177,0741			709.177,2154	709.177,2984	
N:		7.089.711,4009	7.089.708,5627			7.089.703,6019			7.089.698,5468	7.089.695,5783	
Station: 5+0											
Dist. Eixo (m):		-7,918	-4,944			0,000			5,094	7,972	
Cota (m):		11,925	11,865						11,862	11,920	
E:		709.186,8490	709.186,9321			709.187,0702			709.187,2125	709.187,2929	
N:		7.089.711,7964	7.089.708,8232			7.089.703,8813			7.089.698,7897	7.089.695,9123	
Station: 5+10											
Dist. Eixo (m):		-8,028	-4,953			0,000			5,123	7,492	
Cota (m):		11,975	11,913						11,910	11,957	
E:		709.196,8420	709.196,9279			709.197,0663			709.197,2094	709.197,2756	
N:		7.089.712,1858	7.089.709,1115			7.089.704,1607			7.089.699,0396	7.089.696,6716	
Station: 6+0											
Dist. Eixo (m):		-8,036	-4,962			0,000			5,117	7,501	
Cota (m):		12,023	11,962						11,959	12,006	
E:		709.206,8379	709.206,9238			709.207,0624			709.207,2053	709.207,2720	
N:		7.089.712,4732	7.089.709,3997			7.089.704,4401			7.089.699,3253	7.089.696,9422	
Station: 6+10											
Dist. Eixo (m):		-8,028	-4,970			0,000			5,110	8,084	
Cota (m):		12,047	11,986						11,983	12,043	
E:		709.216,8342	709.216,9196			709.217,0585			709.217,2013	709.217,2843	
N:		7.089.712,7444	7.089.709,6880			7.089.704,7195			7.089.699,6110	7.089.696,6387	
Station: 7+0											
Dist. Eixo (m):		-7,977	-4,979			0,000			5,102	8,016	
Cota (m):		12,046	11,986						11,984	12,042	
E:		709.226,8317	709.226,9155			709.227,0546			709.227,1971	709.227,2785	
N:		7.089.712,9729	7.089.709,9763			7.089.704,9989			7.089.699,8992	7.089.696,9860	
Station: 7+10											
Dist. Eixo (m):		-7,947	-4,988			0,000			5,076	7,495	
Cota (m):		12,045	11,986						11,984	12,033	
E:		709.236,8286	709.236,9113			709.237,0507			709.237,1925	709.237,2601	
N:		7.089.713,2221	7.089.710,2645			7.089.705,2783			7.089.700,2039	7.089.697,7861	
Station: 8+0											
Dist. Eixo (m):		-7,934	-4,997			0,000			5,051	7,936	
Cota (m):		12,045	11,986						11,985	12,043	
E:		709.246,8251	709.246,9072			709.247,0468			709.247,1879	709.247,2685	
N:		7.089.713,4886	7.089.710,5528			7.089.705,5577			7.089.700,5085	7.089.697,6250	
Station: 8+10											
Dist. Eixo (m):		-7,798	-5,006			0,000			5,026	7,900	
Cota (m):		12,016	11,961						11,960	12,018	
E:		709.256,8250	709.256,9030			709.257,0429			709.257,1833	709.257,2636	
N:		7.089.713,6325	7.089.710,8410			7.089.705,8370			7.089.700,8131	7.089.697,9397	
Station: 9+0											
Dist. Eixo (m):		-7,790	-5,015			0,000			5,001	7,922	
Cota (m):		11,977	11,922			12,332			11,922	11,981	
E:		709.266,8213	709.266,8989			709.267,0390			709.267,1787	709.267,2603	
N:		7.089.713,9031	7.089.711,1293			7.089.706,1164			7.089.701,1177	7.089.698,1977	
Station: 9+10											
Dist. Eixo (m):		-7,814	-5,024			0,000			4,981	7,962	
Cota (m):		11,939	11,883						11,884	11,944	
E:		709.276,8167	709.276,8947			709.277,0351			709.277,1742	709.277,2575	
N:		7.089.714,2067	7.089.711,4175			7.089.706,3958			7.089.701,4165	7.089.698,4366	
Station: 10+0											
Dist. Eixo (m):		-7,844	-5,033			0,000			4,991	8,001	
Cota (m):		11,901	11,844						11,845	11,905	
E:		709.286,8120	709.286,8905			709.287,0312			709.287,1706	709.287,2547	
N:		7.089.714,5163	7.089.711,7058			7.089.706,6752			7.089.701,6862	7.089.698,6770	
Station: 10+10											
Dist. Eixo (m):		-7,908	-5,041			0,000			5,001	7,978	
Cota (m):		11,874	11,817						11,818	11,877	
E:		709.296,8063	709.296,8864			709.297,0272			709.297,1670	709.297,2502	
N:		7.089.714,8591	7.089.711,9941			7.089.706,9546			7.089.701,9559	7.089.698,9795	
Station: 11+0											
Dist. Eixo (m):		-7,973	-5,050			0,000			5,010	7,961	
Cota (m):		11,848	11,790						11,790	11,849	
E:		709.306,8006	709.306,8822			709.307,0233			709.307,1633	709.307,2458	
N:		7.089.715,2041	7.089.712,2823			7.089.707,2340			7.089.702,2259	7.089.699,2757	
Station: 11+10											
Dist. Eixo (m):		-7,938	-5,059			0,000			5,019	7,951	
Cota (m):		11,820	11,762						11,763	11,821	
E:		709.316,7977	709.316,8781			709.317,0194			709.317,1597	709.317,2416	
N:		7.089.715,4481	7.089.712,5706			7.089.707,5134			7.089.702,4960	7.089.699,5654	
Station: 12+0											
Dist. Eixo (m):		-7,889	-5,054			0,000			5,019	7,920	
Cota (m):		11,791	11,735						11,735	11,793	
E:		709.326,7951	709.326,8743			709.327,0155			709.327,1558	709.327,2368	
N:		7.089.715,6790	7.089.712,8447			7.089.707,7928			7.089.702,7753	7.089.699,8757	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA ANTONIO BISCHOF

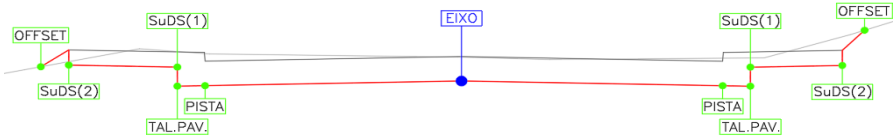
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 12+10											
Dist. Eixo (m):		-7,932	-5,036			0,000			5,016	7,817	
Cota (m):		11,756	11,698						11,699	11,755	
E:		709.336,7900	709.336,8709			709.337,0116			709.337,1518	709.337,2300	
N:		7.089.716,0012	7.089.713,1060			7.089.708,0722			7.089.703,0578	7.089.700,2580	
Station: 13+0											
Dist. Eixo (m):		-7,996	-5,018			0,000			5,019	7,524	
Cota (m):		11,820	11,761						11,761	11,811	
E:		709.346,7843	709.346,8675			709.347,0077			709.347,1479	709.347,2179	
N:		7.089.716,3442	7.089.713,3674			7.089.708,3516			7.089.703,3349	7.089.700,8307	
Station: 14+0											
Dist. Eixo (m):		-8,030	-4,916			0,000			4,990	8,601	
Cota (m):		11,715	11,653						11,651	11,724	
E:		709.366,7553	709.366,8497			709.366,9988			709.367,1502	709.367,2597	
N:		7.089.716,9745	7.089.713,8617			7.089.708,9479			7.089.703,9600	7.089.700,3507	
Station: 14+10											
Dist. Eixo (m):		-7,817	-4,960			0,000			5,008	7,909	
Cota (m):		11,705	11,648						11,647	11,705	
E:		709.376,7572	709.376,8438			709.376,9942			709.377,1461	709.377,2341	
N:		7.089.717,0644	7.089.714,2091			7.089.709,2511			7.089.704,2459	7.089.701,3457	
Station: 15+0											
Dist. Eixo (m):		-8,577	-4,976			0,000			5,025	7,914	
Cota (m):		11,712	11,640						11,639	11,697	
E:		709.386,7295	709.386,8387			709.386,9896			709.387,1420	709.387,2297	
N:		7.089.718,1274	7.089.714,5277			7.089.709,5544			7.089.704,5318	7.089.701,6441	
Station: 15+10											
Dist. Eixo (m):		-7,791	-4,973			0,000			5,032	7,972	
Cota (m):		11,709	11,652						11,651	11,710	
E:		709.396,7487	709.396,8342			709.396,9850			709.397,1376	709.397,2268	
N:		7.089.717,6448	7.089.714,8281			7.089.709,8577			7.089.704,8284	7.089.701,8894	
Station: 16+0											
Dist. Eixo (m):		-7,833	-4,994			0,000			5,036	7,966	
Cota (m):		11,684	11,628						11,627	11,685	
E:		709.406,7429	709.406,8289			709.406,9804			709.407,1332	709.407,2220	
N:		7.089.717,9901	7.089.715,1532			7.089.710,1610			7.089.705,1278	7.089.702,1989	
Station: 16+10											
Dist. Eixo (m):		-7,851	-5,016			0,000			5,039	8,031	
Cota (m):		11,604	11,547						11,547	11,607	
E:		709.416,7377	709.416,8237			709.416,9758			709.417,1287	709.417,2194	
N:		7.089.718,3112	7.089.715,4783			7.089.710,4643			7.089.705,4272	7.089.702,4374	
Station: 17+0											
Dist. Eixo (m):		-7,868	-5,038			0,000			5,043	8,108	
Cota (m):		11,538	11,481						11,481	11,542	
E:		709.426,7326	709.426,8184			709.426,9712			709.427,1242	709.427,2171	
N:		7.089.718,6324	7.089.715,8034			7.089.710,7676			7.089.705,7265	7.089.702,6634	
Station: 17+10											
Dist. Eixo (m):		-7,886	-5,060			0,000			5,047	8,047	
Cota (m):		11,561	11,505						11,505	11,565	
E:		709.436,7274	709.436,8132			709.436,9666			709.437,1197	709.437,2107	
N:		7.089.718,9536	7.089.716,1285			7.089.711,0709			7.089.706,0259	7.089.703,0278	
Station: 18+0											
Dist. Eixo (m):		-7,873	-5,082			0,000			5,051	8,097	
Cota (m):		11,555	11,499						11,500	11,561	
E:		709.446,7232	709.446,8079			709.446,9620			709.447,1152	709.447,2076	
N:		7.089.719,2435	7.089.716,4536			7.089.711,3742			7.089.706,3253	7.089.703,2805	
Station: 18+10											
Dist. Eixo (m):		-7,779	-5,104			0,000			5,055	8,222	
Cota (m):		11,437	11,383						11,384	11,447	
E:		709.456,7215	709.456,8026			709.456,9574			709.457,1107	709.457,2068	
N:		7.089.719,4529	7.089.716,7787			7.089.711,6775			7.089.706,6247	7.089.703,4596	
Station: 19+0											
Dist. Eixo (m):		-7,685	-5,125			0,000			5,059	8,295	
Cota (m):		11,317	11,266						11,267	11,332	
E:		709.466,7197	709.466,7974			709.466,9528			709.467,1063	709.467,2044	
N:		7.089.719,6624	7.089.717,1037			7.089.711,9808			7.089.706,9241	7.089.703,6891	
Station: 20+10											
Dist. Eixo (m):		-7,691	-5,010			0,000			5,010	8,094	
Cota (m):		10,949	10,895						10,895	10,957	
E:		709.496,7058	709.496,7871			709.496,9390			709.497,0910	709.497,1845	
N:		7.089.720,5780	7.089.717,8983			7.089.712,8907			7.089.707,8830	7.089.704,8007	
Station: 21+0											
Dist. Eixo (m):		-7,537	-4,931			0,000			5,185	8,079	
Cota (m):		10,987	10,935						10,930	10,988	
E:		709.506,7058	709.506,7849			709.506,9344			709.507,0917	709.507,1795	
N:		7.089.720,7273	7.089.718,1226			7.089.713,1939			7.089.708,0116	7.089.705,1184	
Station: 21+10											
Dist. Eixo (m):		-7,447	-4,927			0,000			5,183	8,113	
Cota (m):		10,998	10,948						10,942	11,001	
E:		709.516,7040	709.516,7804			709.516,9298			709.517,0870	709.517,1759	
N:		7.089.720,9412	7.089.718,4222			7.089.713,4972			7.089.708,3168	7.089.705,3877	

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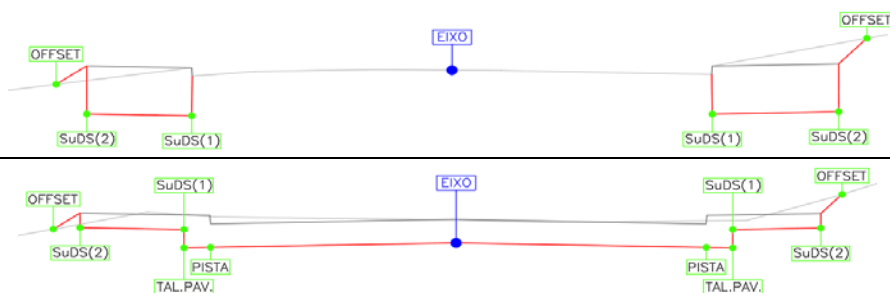
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 22+0											
Dist. Eixo (m):		-7,449	-4,924			0,000			5,181	8,145	
Cota (m):		11,003	10,952						10,947	11,006	
E:		709.526,6993	709.526,7759			709.526,9252			709.527,0824	709.527,1723	
N:		7.089.721,2465	7.089.718,7219			7.089.713,8005			7.089.708,6220	7.089.705,6593	
Station: 22+10											
Dist. Eixo (m):		-7,483	-4,920			0,000			5,179	8,173	
Cota (m):		10,970	10,919						10,914	10,973	
E:		709.536,6937	709.536,7714			709.536,9206			709.537,0777	709.537,1685	
N:		7.089.721,5836	7.089.719,0215			7.089.714,1038			7.089.708,9272	7.089.705,9346	
Station: 23+0											
Dist. Eixo (m):		-7,468	-4,916			0,000			5,160	8,052	
Cota (m):		10,920	10,869						10,864	10,922	
E:		709.546,6895	709.546,7669			709.546,9160			709.547,0725	709.547,1602	
N:		7.089.721,8716	7.089.719,3211			7.089.714,4071			7.089.709,2491	7.089.706,3590	
Station: 23+10											
Dist. Eixo (m):		-7,447	-4,913			0,000			5,139	8,049	
Cota (m):		10,865	10,814						10,810	10,868	
E:		709.556,6856	709.556,7624			709.556,9114			709.557,0673	709.557,1555	
N:		7.089.722,1539	7.089.719,6208			7.089.714,7104			7.089.709,5741	7.089.706,6651	
Station: 24+0											
Dist. Eixo (m):						0,000			5,117	8,057	
Cota (m):									10,753	10,812	
E:						709.566,9068			709.567,0620	709.567,1512	
N:						7.089.715,0137			7.089.709,8991	7.089.706,9607	
Station: 24+10											
Dist. Eixo (m):						0,000			5,095	8,158	
Cota (m):									10,684	10,745	
E:						709.576,9022			709.577,0568	709.577,1496	
N:						7.089.715,3170			7.089.710,2242	7.089.707,1629	
Station: 25+0											
Dist. Eixo (m):		-7,474	-5,037			0,000			5,073	8,250	
Cota (m):		10,624	10,575						10,574	10,638	
E:		709.586,6709	709.586,7448			709.586,8976			709.587,0515	709.587,1479	
N:		7.089.723,0907	7.089.720,6553			7.089.715,6203			7.089.710,5492	7.089.707,3737	
Station: 25+1											
Dist. Eixo (m):		-7,463	-5,010	-5,010	-5,000	0,000	5,065	5,075	5,075	8,262	
Cota (m):		10,612	10,560	10,780	10,780	10,880	10,779	10,559	10,559	10,623	
E:		709.588,0526	709.588,1270	709.588,1270	709.588,1273	709.588,2790	709.588,4326	709.588,4329	709.588,4329	709.588,5296	
N:		7.089.723,1213	7.089.720,6699	7.089.720,6699	7.089.720,6599	7.089.715,6622	7.089.710,5985	7.089.710,5885	7.089.710,5885	7.089.707,4025	
Station: 25+10											
Dist. Eixo (m):		-7,619	-5,010	-5,010	-5,000	0,000	5,042	5,052	5,052	8,187	
Cota Camada 1 (m)						11,283	11,182				
Cota Camada 3 (m)						11,203	11,102				
Cota Camada 6 (m)						11,163	11,062				
Cota Camada 7 (m)						11,043	10,942				
Cota (m):		10,625	10,573	10,793	10,793	10,893	10,792	10,572	10,572	10,635	
E:		709.596,8109	709.596,8402	709.596,8402	709.596,8403	709.596,8964	709.596,9530	709.596,9532	709.596,9532	709.596,9884	
N:		7.089.723,3779	7.089.720,7686	7.089.720,7686	7.089.720,7586	7.089.715,7589	7.089.710,7175	7.089.710,7075	7.089.710,7075	7.089.707,5726	
Station: 26+0											
Dist. Eixo (m):		-7,803	-5,010	-5,010	-5,000	0,000	5,014	5,024	5,024	8,098	
Cota Camada 1 (m)						11,298	11,198				
Cota Camada 3 (m)						11,218	11,118				
Cota Camada 6 (m)						11,178	11,078				
Cota Camada 7 (m)						11,058	10,958				
Cota (m):		10,644	10,588	10,808	10,808	10,908	10,808	10,588	10,588	10,649	
E:		709.606,8082	709.606,8396	709.606,8396	709.606,8397	709.606,8958	709.606,9521	709.606,9522	709.606,9522	709.606,9867	
N:		7.089.723,6742	7.089.720,8809	7.089.720,8809	7.089.720,8709	7.089.715,8712	7.089.710,8573	7.089.710,8473	7.089.710,8473	7.089.707,7737	
Station: 26+5											
Dist. Eixo (m):		-7,899	-5,010	-5,010	-5,000	0,000	5,000	5,010	5,010	8,052	
Cota Camada 1 (m)						11,306	11,206				
Cota Camada 3 (m)						11,226	11,126				
Cota Camada 6 (m)						11,186	11,086				
Cota Camada 7 (m)						11,066	10,966				
Cota (m):		10,654	10,596	10,816	10,816	10,916	10,816	10,596	10,596	10,657	
E:		709.611,9918	709.612,0242	709.612,0242	709.612,0243	709.612,0805	709.612,1366	709.612,1367	709.612,1367	709.612,1709	
N:		7.089.723,8277	7.089.720,9391	7.089.720,9391	7.089.720,9291	7.089.715,9294	7.089.710,9297	7.089.710,9197	7.089.710,9197	7.089.707,8779	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA ARLINDO CORREA

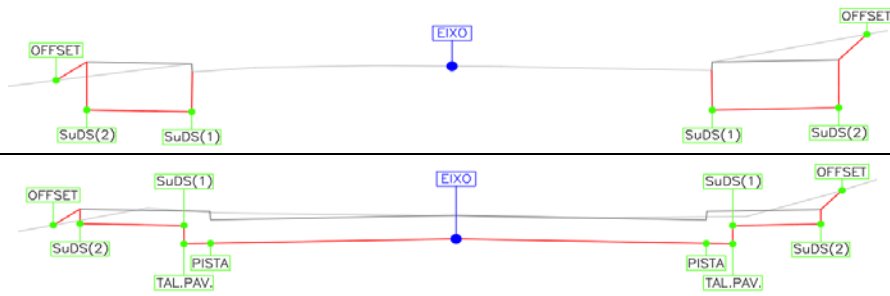
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 0+2											
Dist. Eixo (m):		-6,072	-3,937			0,000			4,103	6,000	
Cota (m):		13,767	13,724						13,721	13,759	
E:		708.406,77	708.404,63			708.400,70			708.396,59	708.394,70	
N:		7.090.284,05	7.090.284,00			7.090.283,90			7.090.283,80	7.090.283,75	
Station: 0+10											
Dist. Eixo (m):		-6,046	-3,960			0,000			3,947	5,980	
Cota (m):		13,709	13,667						13,667	13,708	
E:		708.406,94	708.404,85			708.400,89			708.396,95	708.394,91	
N:		7.090.276,08	7.090.276,03			7.090.275,93			7.090.275,83	7.090.275,78	
Station: 1+0											
Dist. Eixo (m):		-6,013	-3,968			0,000			3,958	5,955	
Cota (m):		13,647	13,606						13,606	13,646	
E:		708.407,15	708.405,10			708.401,14			708.397,18	708.395,19	
N:		7.090.266,08	7.090.266,03			7.090.265,93			7.090.265,84	7.090.265,79	
Station: 1+10											
Dist. Eixo (m):		-5,882	-3,975			0,000			3,970	5,925	
Cota (m):		13,584	13,546						13,546	13,585	
E:		708.407,27	708.405,36			708.401,38			708.397,42	708.395,46	
N:		7.090.256,08	7.090.256,04			7.090.255,94			7.090.255,84	7.090.255,79	
Station: 2+0											
Dist. Eixo (m):		-5,839	-3,982			0,000			3,981	5,896	
Cota (m):		13,519	13,482						13,482	13,520	
E:		708.407,47	708.405,61			708.401,63			708.397,65	708.395,74	
N:		7.090.246,08	7.090.246,04			7.090.245,94			7.090.245,84	7.090.245,80	
Station: 2+10											
Dist. Eixo (m):		-5,892	-3,990			0,000			3,993	5,866	
Cota (m):		13,483	13,445						13,445	13,482	
E:		708.407,77	708.405,87			708.401,88			708.397,89	708.396,01	
N:		7.090.236,09	7.090.236,04			7.090.235,94			7.090.235,85	7.090.235,80	
Station: 3+0											
Dist. Eixo (m):		-5,938	-3,997			0,000			4,004	5,837	
Cota (m):		13,475	13,436						13,436	13,472	
E:		708.408,06	708.406,12			708.402,12			708.398,12	708.396,29	
N:		7.090.226,09	7.090.226,05			7.090.225,95			7.090.225,85	7.090.225,80	
Station: 3+7											
Dist. Eixo (m):		-5,991	-4,002			0,000			4,012	5,825	
Cota (m):		13,469	13,430						13,430	13,466	
E:		708.408,29	708.406,30			708.402,30			708.398,29	708.396,48	
N:		7.090.218,97	7.090.218,93			7.090.218,83			7.090.218,73	7.090.218,68	
Station: 3+10											
Dist. Eixo (m):		-6,417	-4,242			0,000			4,232	6,340	
Cota Camada 1 (m)					0,420	0,420	0,420				
Cota Camada 3 (m)					0,340	0,340	0,340				
Cota Camada 6 (m)					0,300	0,300	0,300				
Cota Camada 7 (m)					0,150	0,150	0,150				
Cota (m):		13,475	13,432						13,432	13,474	
E:		708.408,80	708.406,62			708.402,38			708.398,15	708.396,05	
N:		7.090.216,14	7.090.216,07			7.090.215,95			7.090.215,83	7.090.215,76	
Station: 4+10											
Dist. Eixo (m):		-8,096	-5,516	-5,516	-5,087	0,000	5,166	5,595	5,595	7,690	
Cota Camada 1 (m)					13,603	13,705	13,602				
Cota Camada 3 (m)					13,523	13,625	13,522				
Cota Camada 6 (m)					13,483	13,585	13,482				
Cota Camada 7 (m)					13,333	13,435	13,332				
Cota (m):		13,553	13,502	13,174	13,183	13,285	13,182	13,173	13,500	13,542	
E:		708.411,06	708.408,48	708.408,4822	708.408,05	708.402,97	708.397,80	708.397,38	708.397,3764	708.395,28	
N:		7.090.196,20	7.090.196,12	7.090.196,1203	7.090.196,11	7.090.195,96	7.090.195,81	7.090.195,80	7.090.195,7952	7.090.195,73	
Station: 5+0											
Dist. Eixo (m):		-5,948	-4,429	-4,429	-4,000	0,000	3,999	4,427	4,427	6,000	
Cota Camada 1 (m)					13,575	13,655	13,575				
Cota Camada 3 (m)					13,495	13,575	13,495				
Cota Camada 6 (m)					13,455	13,535	13,455				
Cota Camada 7 (m)					13,305	13,385	13,305				
Cota (m):		13,504	13,473	13,146	13,155	13,235	13,155	13,146	13,474	13,505	
E:		708.409,21	708.407,69	708.407,6882	708.407,26	708.403,26	708.399,26	708.398,84	708.398,8358	708.397,26	
N:		7.090.186,14	7.090.186,09	7.090.186,0928	7.090.186,08	7.090.185,96	7.090.185,85	7.090.185,83	7.090.185,8337	7.090.185,79	
Station: 5+10											
Dist. Eixo (m):		-5,952	-4,429	-4,429	-4,000	0,000	3,999	4,428	4,428	5,999	
Cota Camada 1 (m)					13,546	13,626	13,546				
Cota Camada 3 (m)					13,466	13,546	13,466				
Cota Camada 6 (m)					13,426	13,506	13,426				
Cota Camada 7 (m)					13,276	13,356	13,276				
Cota (m):		13,474	13,444	13,117	13,126	13,206	13,126	13,117	13,444	13,475	
E:		708.409,50	708.407,98	708.407,9809	708.407,55	708.403,55	708.399,56	708.399,13	708.399,1283	708.397,56	
N:		7.090.176,14	7.090.176,10	7.090.176,0971	7.090.176,08	7.090.175,97	7.090.175,85	7.090.175,84	7.090.175,8379	7.090.175,79	

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NOTA DE SERVIÇO
RUA ARLINDO CORREA

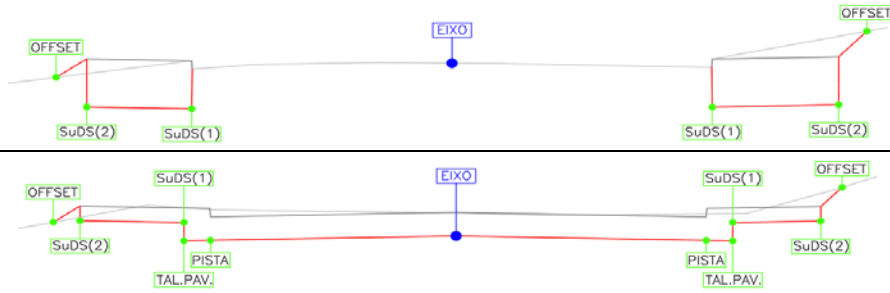
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 6+0											
Dist. Eixo (m):		-5,957	-4,429	-4,429	-4,000	0,000	3,999	4,428	4,428	5,999	
Cota Camada 1 (m)					13,517	13,597	13,517				
Cota Camada 3 (m)					13,437	13,517	13,437				
Cota Camada 6 (m)					13,397	13,477	13,397				
Cota Camada 7 (m)					13,247	13,327	13,247				
Cota (m):		13,445	13,415	13,088	13,097	13,177	13,097	13,088	13,415	13,446	
E:		708.409,80	708.408,27	708.408,2735	708.407,84	708.403,85	708.399,85	708.399,42	708.399,4208	708.397,85	
N:		7.090.166,15	7.090.166,10	7.090.166,1014	7.090.166,09	7.090.165,97	7.090.165,85	7.090.165,84	7.090.165,8422	7.090.165,80	
Station: 6+10											
Dist. Eixo (m):		-5,961	-4,429	-4,429	-4,000	0,000	3,999	4,428	4,428	5,999	
Cota Camada 1 (m)					13,487	13,567	13,487				
Cota Camada 3 (m)					13,407	13,487	13,407				
Cota Camada 6 (m)					13,367	13,447	13,367				
Cota Camada 7 (m)					13,217	13,297	13,217				
Cota (m):		13,416	13,386	13,058	13,067	13,147	13,067	13,059	13,386	13,417	
E:		708.410,10	708.408,57	708.408,5661	708.408,14	708.404,14	708.400,14	708.399,71	708.399,7134	708.398,14	
N:		7.090.156,15	7.090.156,11	7.090.156,1057	7.090.156,09	7.090.155,98	7.090.155,86	7.090.155,85	7.090.155,8465	7.090.155,80	
Station: 7+0											
Dist. Eixo (m):		-5,965	-4,429	-4,429	-4,000	0,000	3,999	4,428	4,428	5,998	
Cota Camada 1 (m)					13,458	13,538	13,458				
Cota Camada 3 (m)					13,378	13,458	13,378				
Cota Camada 6 (m)					13,338	13,418	13,338				
Cota Camada 7 (m)					13,188	13,268	13,188				
Cota (m):		13,387	13,357	13,029	13,038	13,118	13,038	13,030	13,357	13,388	
E:		708.410,39	708.408,86	708.408,8587	708.408,43	708.404,43	708.400,43	708.400,01	708.400,0059	708.398,44	
N:		7.090.146,15	7.090.146,11	7.090.146,1099	7.090.146,10	7.090.145,98	7.090.145,86	7.090.145,85	7.090.145,8508	7.090.145,80	
Station: 7+10											
Dist. Eixo (m):		-5,969	-4,429	-4,429	-4,000	0,000	3,999	4,428	4,428	5,998	
Cota Camada 1 (m)					13,429	13,509	13,429				
Cota Camada 3 (m)					13,349	13,429	13,349				
Cota Camada 6 (m)					13,309	13,389	13,309				
Cota Camada 7 (m)					13,159	13,239	13,159				
Cota (m):		13,358	13,328	13,000	13,009	13,089	13,009	13,001	13,328	13,359	
E:		708.410,69	708.409,15	708.409,1514	708.408,72	708.404,72	708.400,73	708.400,30	708.400,2984	708.398,73	
N:		7.090.136,16	7.090.136,11	7.090.136,1142	7.090.136,10	7.090.135,98	7.090.135,87	7.090.135,86	7.090.135,8551	7.090.135,81	
Station: 8+0											
Dist. Eixo (m):		-5,973	-4,429	-4,429	-4,000	0,000	3,999	4,428	4,428	5,998	
Cota Camada 1 (m)					13,400	13,480	13,400				
Cota Camada 3 (m)					13,320	13,400	13,320				
Cota Camada 6 (m)					13,280	13,360	13,280				
Cota Camada 7 (m)					13,130	13,210	13,130				
Cota (m):		13,329	13,299	12,971	12,980	13,060	12,980	12,972	13,299	13,330	
E:		708.410,99	708.409,44	708.409,4440	708.409,02	708.405,02	708.401,02	708.400,59	708.400,5910	708.399,02	
N:		7.090.126,16	7.090.126,12	7.090.126,1185	7.090.126,11	7.090.125,99	7.090.125,87	7.090.125,86	7.090.125,8593	7.090.125,81	
Station: 8+10											
Dist. Eixo (m):		-5,977	-4,429	-4,429	-4,000	0,000	4,000	4,428	4,428	5,997	
Cota Camada 1 (m)					13,371	13,451	13,371				
Cota Camada 3 (m)					13,291	13,371	13,291				
Cota Camada 6 (m)					13,251	13,331	13,251				
Cota Camada 7 (m)					13,101	13,181	13,101				
Cota (m):		13,300	13,269	12,942	12,951	13,031	12,951	12,943	13,270	13,301	
E:		708.411,28	708.409,74	708.409,7366	708.409,31	708.405,31	708.401,31	708.400,88	708.400,8835	708.399,32	
N:		7.090.116,17	7.090.116,12	7.090.116,1228	7.090.116,11	7.090.115,99	7.090.115,88	7.090.115,86	7.090.115,8636	7.090.115,82	
Station: 9+0											
Dist. Eixo (m):		-5,981	-4,429	-4,429	-4,000	0,000	4,000	4,428	4,428	5,997	
Cota Camada 1 (m)					13,342	13,422	13,342				
Cota Camada 3 (m)					13,262	13,342	13,262				
Cota Camada 6 (m)					13,222	13,302	13,222				
Cota Camada 7 (m)					13,072	13,152	13,072				
Cota (m):		13,271	13,240	12,913	12,922	13,002	12,922	12,913	13,241	13,272	
E:		708.411,58	708.410,03	708.410,0292	708.409,60	708.405,60	708.401,60	708.401,18	708.401,1761	708.399,61	
N:		7.090.106,17	7.090.106,13	7.090.106,1271	7.090.106,11	7.090.106,00	7.090.105,88	7.090.105,87	7.090.105,8679	7.090.105,82	
Station: 9+10											
Dist. Eixo (m):		-5,985	-4,429	-4,429	-4,000	0,000	4,000	4,428	4,428	5,997	
Cota Camada 1 (m)					13,313	13,393	13,313				
Cota Camada 3 (m)					13,233	13,313	13,233				
Cota Camada 6 (m)					13,193	13,273	13,193				
Cota Camada 7 (m)					13,043	13,123	13,043				
Cota (m):		13,242	13,211	12,884	12,893	12,973	12,893	12,884	13,212	13,243	
E:		708.411,88	708.410,32	708.410,3218	708.409,89	708.405,90	708.401,90	708.401,47	708.401,4686	708.399,90	
N:		7.090.096,18	7.090.096,13	7.090.096,1313	7.090.096,12	7.090.096,00	7.090.095,88	7.090.095,87	7.090.095,8722	7.090.095,83	

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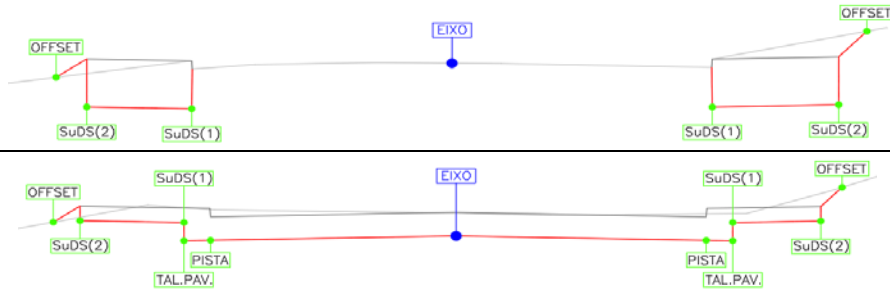
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 10+0											
Dist. Eixo (m):		-5,990	-4,429	-4,429	-4,000	0,000	4,000	4,428	4,428	5,996	
Cota Camada 1 (m)					13,284	13,364	13,284				
Cota Camada 3 (m)					13,204	13,284	13,204				
Cota Camada 6 (m)					13,164	13,244	13,164				
Cota Camada 7 (m)					13,014	13,094	13,014				
Cota (m):		13,213	13,182	12,855	12,864	12,944	12,864	12,855	13,183	13,214	
E:		708.412,17	708.410,61	708.410,6145	708.410,19	708.406,19	708.402,19	708.401,76	708.401,7611	708.400,19	
N:		7.090.086,18	7.090.086,14	7.090.086,1356	7.090.086,12	7.090.086,01	7.090.085,89	7.090.085,88	7.090.085,8765	7.090.085,83	
Station: 10+10											
Dist. Eixo (m):		-5,994	-4,429	-4,429	-4,000	0,000	4,000	4,428	4,428	5,996	
Cota Camada 1 (m)					13,255	13,335	13,255				
Cota Camada 3 (m)					13,175	13,255	13,175				
Cota Camada 6 (m)					13,135	13,215	13,135				
Cota Camada 7 (m)					12,985	13,065	12,985				
Cota (m):		13,184	13,153	12,826	12,835	12,915	12,835	12,826	13,153	13,184	
E:		708.412,47	708.410,91	708.410,9071	708.410,48	708.406,48	708.402,48	708.402,05	708.402,0537	708.400,49	
N:		7.090.076,19	7.090.076,14	7.090.076,1399	7.090.076,13	7.090.076,01	7.090.075,89	7.090.075,88	7.090.075,8807	7.090.075,83	
Station: 11+0											
Dist. Eixo (m):		-5,998	-4,429	-4,429	-4,000	0,000	4,000	4,429	4,429	5,995	
Cota Camada 1 (m)					13,226	13,306	13,226				
Cota Camada 3 (m)					13,146	13,226	13,146				
Cota Camada 6 (m)					13,106	13,186	13,106				
Cota Camada 7 (m)					12,956	13,036	12,956				
Cota (m):		13,155	13,124	12,797	12,806	12,886	12,806	12,797	13,124	13,155	
E:		708.412,77	708.411,20	708.411,1997	708.410,77	708.406,77	708.402,77	708.402,35	708.402,3462	708.400,78	
N:		7.090.066,19	7.090.066,14	7.090.066,1442	7.090.066,13	7.090.066,01	7.090.065,90	7.090.065,89	7.090.065,8850	7.090.065,84	
Station: 11+5											
Dist. Eixo (m):		-6,017	-4,429	-4,429	-4,000	0,000	4,003	4,432	4,432	5,993	
Cota Camada 1 (m)					13,191	13,271	13,191				
Cota Camada 3 (m)					13,111	13,191	13,111				
Cota Camada 6 (m)					13,071	13,151	13,071				
Cota Camada 7 (m)					12,921	13,001	12,921				
Cota (m):		13,121	13,089	12,762	12,771	12,851	12,771	12,762	13,089	13,120	
E:		708.412,95	708.411,36	708.411,3574	708.410,93	708.406,93	708.402,93	708.402,50	708.402,5008	708.400,94	
N:		7.090.060,81	7.090.060,76	7.090.060,7585	7.090.060,75	7.090.060,63	7.090.060,51	7.090.060,50	7.090.060,4993	7.090.060,45	
Station: 11+10											
Dist. Eixo (m):		-9,222	-5,904	-5,904	-5,475	0,000	5,593	6,022	6,022	8,922	
Cota Camada 1 (m)					13,102	13,212	13,100				
Cota Camada 3 (m)					13,022	13,132	13,020				
Cota Camada 6 (m)					12,982	13,092	12,980				
Cota Camada 7 (m)					12,832	12,942	12,830				
Cota (m):		13,067	13,001	12,673	12,682	12,792	12,680	12,671	12,998	13,056	
E:		708.416,27	708.412,95	708.412,9520	708.412,52	708.407,05	708.401,46	708.401,03	708.401,0301	708.398,13	
N:		7.090.056,26	7.090.056,17	7.090.056,1712	7.090.056,16	7.090.056,02	7.090.055,87	7.090.055,86	7.090.055,8627	7.090.055,79	
Station: 12+10											
Dist. Eixo (m):		-6,226	-4,129			0,000			4,102	6,138	
Cota Camada 1 (m)					0,420	0,420	0,420				
Cota Camada 3 (m)					0,340	0,340	0,340				
Cota Camada 6 (m)					0,300	0,300	0,300				
Cota Camada 7 (m)					0,150	0,150	0,150				
Cota (m):		12,994	12,952						12,953	12,993	
E:		708.413,79	708.411,69			708.407,57			708.403,47	708.401,43	
N:		7.090.036,19	7.090.036,13			7.090.036,03			7.090.035,92	7.090.035,87	
Station: 12+11											
Dist. Eixo (m):		-6,021	-4,013			0,000			4,010	6,018	
Cota Camada 1 (m)					0,420	0,420	0,420				
Cota Camada 3 (m)					0,340	0,340	0,340				
Cota Camada 6 (m)					0,300	0,300	0,300				
Cota Camada 7 (m)					0,150	0,150	0,150				
Cota (m):		12,989	12,949						12,949	12,989	
E:		708.413,62	708.411,61			708.407,60			708.403,59	708.401,58	
N:		7.090.034,99	7.090.034,94			7.090.034,84			7.090.034,73	7.090.034,68	
Station: 13+0											
Dist. Eixo (m):		-6,005	-4,010			0,000			4,010	6,000	
Cota (m):		12,936	12,896						12,896	12,936	
E:		708.413,86	708.411,87			708.407,86			708.403,85	708.401,86	
N:		7.090.026,21	7.090.026,15			7.090.026,03			7.090.025,91	7.090.025,85	
Station: 13+10											
Dist. Eixo (m):		-6,010	-4,010			0,000			4,010	5,986	
Cota (m):		12,874	12,834						12,834	12,873	
E:		708.414,16	708.412,16			708.408,15			708.404,14	708.402,17	
N:		7.090.016,21	7.090.016,15			7.090.016,03			7.090.015,92	7.090.015,86	
Station: 14+0											
Dist. Eixo (m):		-6,005	-4,010			0,000			4,010	5,979	
Cota (m):		12,807	12,767						12,767	12,806	
E:		708.414,45	708.412,45			708.408,45			708.404,44	708.402,47	
N:		7.090.006,21	7.090.006,16			7.090.006,04			7.090.005,92	7.090.005,86	

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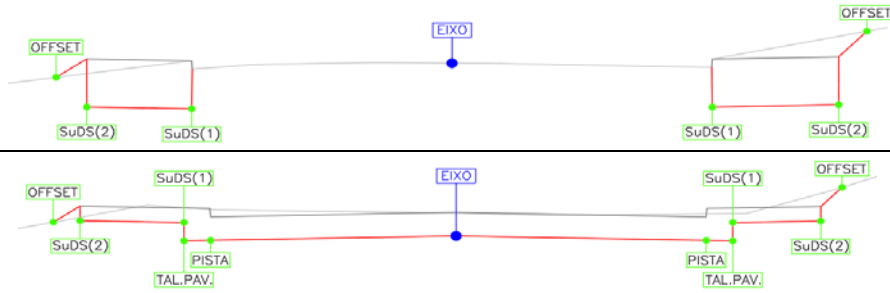
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 14+10											
Dist. Eixo (m):		-5,998	-4,010			0,000			4,010	6,072	
Cota (m):		12,739	12,699						12,699	12,741	
E:		708.414,74	708.412,75			708.408,74			708.404,73	708.402,67	
N:		7.089.996,22	7.089.996,16			7.089.996,04			7.089.995,92	7.089.995,86	
Station: 15+0											
Dist. Eixo (m):		-5,990	-4,010			0,000			4,010	6,051	
Cota (m):		12,711	12,671						12,671	12,712	
E:		708.415,02	708.413,04			708.409,03			708.405,03	708.402,99	
N:		7.089.986,22	7.089.986,16			7.089.986,05			7.089.985,93	7.089.985,87	
Station: 15+10											
Dist. Eixo (m):		-5,986	-4,010			0,000			4,010	5,991	
Cota (m):		12,692	12,653						12,653	12,692	
E:		708.415,31	708.413,34			708.409,33			708.405,32	708.403,34	
N:		7.089.976,23	7.089.976,17			7.089.976,05			7.089.975,93	7.089.975,87	
Station: 16+0											
Dist. Eixo (m):		-5,977	-4,010			0,000			4,010	6,005	
Cota (m):		12,651	12,612						12,612	12,651	
E:		708.415,60	708.413,63			708.409,62			708.405,61	708.403,62	
N:		7.089.966,23	7.089.966,17			7.089.966,06			7.089.965,94	7.089.965,88	
Station: 16+10											
Dist. Eixo (m):		-5,924	-4,010			0,000			4,010	6,019	
Cota (m):		12,579	12,540						12,540	12,580	
E:		708.415,84	708.413,93			708.409,92			708.405,91	708.403,90	
N:		7.089.956,23	7.089.956,18			7.089.956,06			7.089.955,94	7.089.955,88	
Station: 17+0											
Dist. Eixo (m):		-5,871	-4,010			0,000			4,010	6,033	
Cota (m):		12,508	12,470						12,470	12,511	
E:		708.416,08	708.414,22			708.410,21			708.406,20	708.404,18	
N:		7.089.946,24	7.089.946,18			7.089.946,06			7.089.945,95	7.089.945,89	
Station: 17+10											
Dist. Eixo (m):		-5,810	-4,010			0,000			4,010	6,027	
Cota (m):		12,483	12,447						12,447	12,488	
E:		708.416,31	708.414,51			708.410,51			708.406,50	708.404,48	
N:		7.089.936,24	7.089.936,19			7.089.936,07			7.089.935,95	7.089.935,89	
Station: 18+0											
Dist. Eixo (m):		-5,741	-4,010			0,000			4,010	6,002	
Cota (m):		12,459	12,424						12,424	12,464	
E:		708.416,54	708.414,81			708.410,80			708.406,79	708.404,80	
N:		7.089.926,24	7.089.926,19			7.089.926,07			7.089.925,95	7.089.925,90	
Station: 18+10											
Dist. Eixo (m):		-5,695	-4,010			0,000			4,010	5,977	
Cota (m):		12,430	12,397						12,397	12,436	
E:		708.416,79	708.415,10			708.411,09			708.407,09	708.405,12	
N:		7.089.916,24	7.089.916,20			7.089.916,08			7.089.915,96	7.089.915,90	
Station: 18+17											
Dist. Eixo (m):		-5,686	-4,010			0,000			4,010	6,009	
Cota (m):		12,409	12,375						12,375	12,415	
E:		708.417,00	708.415,32			708.411,31			708.407,30	708.405,31	
N:		7.089.908,86	7.089.908,81			7.089.908,69			7.089.908,57	7.089.908,52	
Station: 19+0											
Dist. Eixo (m):		-5,782	-4,026			0,000			3,994	6,140	
Cota (m):		12,402	12,367						12,368	12,411	
E:		708.417,15	708.415,40			708.411,37			708.407,38	708.405,23	
N:		7.089.906,22	7.089.906,18			7.089.906,08			7.089.905,99	7.089.905,94	
Station: 19+17											
Dist. Eixo (m):		-12,923	-10,125	-10,125	-9,696	0,000	5,000	5,429	5,429	6,200	
Cota Camada 1 (m)					12,594	12,787			12,687		
Cota Camada 3 (m)					12,514	12,707			12,607		
Cota Camada 6 (m)					12,474	12,667			12,567		
Cota Camada 7 (m)					12,324	12,517			12,417		
Cota (m):		12,548	12,492	12,165	12,174	12,367		12,259	12,586	12,601	
E:		708.424,71	708.421,91	708.421,9100	708.421,48	708.411,79	708.406,79	708.406,36	708.406,3611	708.405,59	
N:		7.089.888,66	7.089.888,59	7.089.888,5937	7.089.888,58	7.089.888,36	7.089.888,24	7.089.888,23	7.089.888,2297	7.089.888,21	
Station: 19+18											
Dist. Eixo (m):		-12,918	-9,229	-9,229	-8,801	0,000	11,117	11,545	11,545	14,551	
Cota Camada 1 (m)					12,613	12,789			12,566		
Cota Camada 3 (m)					12,533	12,709			12,486		
Cota Camada 6 (m)					12,493	12,669			12,446		
Cota Camada 7 (m)					12,343	12,519			12,296		
Cota (m):		12,585	12,511	12,184	12,193	12,369		12,146	12,465	12,525	
E:		708.424,71	708.421,02	708.421,0227	708.420,59	708.411,80	708.400,68	708.400,25	708.400,2538	708.397,25	
N:		7.089.888,33	7.089.888,25	7.089.888,2450	7.089.888,24	7.089.888,03	7.089.887,77	7.089.887,76	7.089.887,7588	7.089.887,69	

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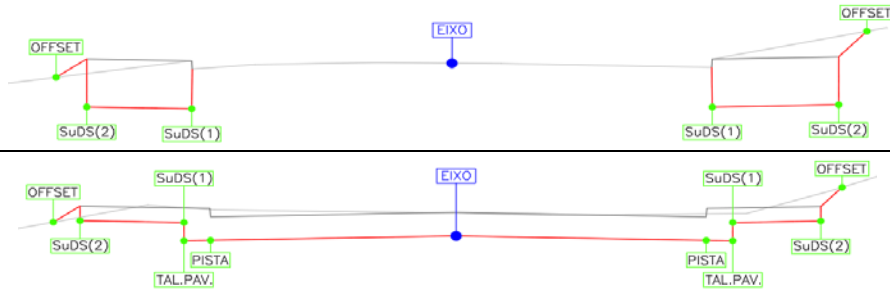
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 20+0											
Dist. Eixo (m):		-12,889	-6,513	-6,513	-6,084	0,000	6,721	7,149	7,149	14,513	
Cota Camada 1 (m)					12,674	12,796	12,662				
Cota Camada 3 (m)					12,594	12,716	12,582				
Cota Camada 6 (m)					12,554	12,676	12,542				
Cota Camada 7 (m)					12,404	12,526	12,392				
Cota (m):		12,700	12,573	12,245	12,254	12,376	12,242	12,233	12,560	12,707	
E:		708.424,73	708.418,35	708.418,3527	708.417,92	708.411,84	708.405,12	708.404,69	708.404,6939	708.397,33	
N:		7.089.886,39	7.089.886,24	7.089.886,2388	7.089.886,23	7.089.886,09	7.089.885,93	7.089.885,92	7.089.885,9191	7.089.885,75	
Station: 20+7											
Dist. Eixo (m):		-6,029	-4,429	-4,429	-4,000	0,000	4,000	4,429	4,429	5,850	
Cota Camada 1 (m)					12,744	12,824	12,744				
Cota Camada 3 (m)					12,664	12,744	12,664				
Cota Camada 6 (m)					12,624	12,704	12,624				
Cota Camada 7 (m)					12,474	12,554	12,474				
Cota (m):		12,674	12,642	12,315	12,324	12,404	12,324	12,316	12,643	12,671	
E:		708.418,04	708.416,44	708.416,4431	708.416,01	708.412,02	708.408,02	708.407,59	708.407,5881	708.406,17	
N:		7.089.878,79	7.089.878,75	7.089.878,7511	7.089.878,74	7.089.878,65	7.089.878,55	7.089.878,54	7.089.878,5438	7.089.878,51	
Station: 20+10											
Dist. Eixo (m):		-6,028	-4,429	-4,429	-4,000	0,000	4,000	4,429	4,429	5,852	
Cota Camada 1 (m)					12,754	12,834	12,754				
Cota Camada 3 (m)					12,674	12,754	12,674				
Cota Camada 6 (m)					12,634	12,714	12,634				
Cota Camada 7 (m)					12,484	12,564	12,484				
Cota (m):		12,684	12,652	12,325	12,334	12,414	12,334	12,325	12,653	12,681	
E:		708.418,11	708.416,51	708.416,5094	708.416,08	708.412,08	708.408,08	708.407,66	708.407,6551	708.406,23	
N:		7.089.876,25	7.089.876,21	7.089.876,2051	7.089.876,19	7.089.876,09	7.089.875,98	7.089.875,97	7.089.875,9735	7.089.875,94	
Station: 21+0											
Dist. Eixo (m):		-6,027	-4,428	-4,428	-3,999	0,000	4,001	4,430	4,430	5,859	
Cota Camada 1 (m)					12,791	12,871	12,791				
Cota Camada 3 (m)					12,711	12,791	12,711				
Cota Camada 6 (m)					12,671	12,751	12,671				
Cota Camada 7 (m)					12,521	12,601	12,521				
Cota (m):		12,722	12,690	12,362	12,371	12,451	12,371	12,363	12,689	12,718	
E:		708.418,37	708.416,77	708.416,7699	708.416,34	708.412,34	708.408,34	708.407,92	708.407,9156	708.406,49	
N:		7.089.866,25	7.089.866,21	7.089.866,2085	7.089.866,20	7.089.866,09	7.089.865,99	7.089.865,98	7.089.865,9769	7.089.865,94	
Station: 21+10											
Dist. Eixo (m):		-6,025	-4,427	-4,427	-3,998	0,000	4,002	4,431	4,431	5,867	
Cota Camada 1 (m)					12,829	12,909	12,829				
Cota Camada 3 (m)					12,749	12,829	12,749				
Cota Camada 6 (m)					12,709	12,789	12,709				
Cota Camada 7 (m)					12,559	12,639	12,559				
Cota (m):		12,760	12,728	12,400	12,409	12,489	12,409	12,401	12,727	12,756	
E:		708.418,63	708.417,03	708.417,0304	708.416,60	708.412,61	708.408,60	708.408,18	708.408,1761	708.406,74	
N:		7.089.856,25	7.089.856,21	7.089.856,2119	7.089.856,20	7.089.856,10	7.089.855,99	7.089.855,98	7.089.855,9803	7.089.855,94	
Station: 22+0											
Dist. Eixo (m):		-6,024	-4,426	-4,426	-3,997	0,000	4,003	4,432	4,432	5,874	
Cota Camada 1 (m)					12,867	12,947	12,867				
Cota Camada 3 (m)					12,787	12,867	12,787				
Cota Camada 6 (m)					12,747	12,827	12,747				
Cota Camada 7 (m)					12,597	12,677	12,597				
Cota (m):		12,797	12,765	12,438	12,447	12,527	12,447	12,438	12,765	12,794	
E:		708.418,89	708.417,29	708.417,2909	708.416,86	708.412,87	708.408,87	708.408,44	708.408,4366	708.407,00	
N:		7.089.846,26	7.089.846,22	7.089.846,2153	7.089.846,20	7.089.846,10	7.089.845,99	7.089.845,98	7.089.845,9837	7.089.845,95	
Station: 22+10											
Dist. Eixo (m):		-6,023	-4,425	-4,425	-3,996	0,000	4,004	4,433	4,433	5,881	
Cota Camada 1 (m)					12,890	12,970	12,890				
Cota Camada 3 (m)					12,810	12,890	12,810				
Cota Camada 6 (m)					12,770	12,850	12,770				
Cota Camada 7 (m)					12,620	12,700	12,620				
Cota (m):		12,820	12,789	12,461	12,470	12,550	12,470	12,461	12,788	12,817	
E:		708.419,15	708.417,55	708.417,5515	708.417,12	708.413,13	708.409,13	708.408,70	708.408,6971	708.407,25	
N:		7.089.836,26	7.089.836,22	7.089.836,2187	7.089.836,21	7.089.836,10	7.089.836,00	7.089.835,99	7.089.835,9871	7.089.835,95	
Station: 23+0											
Dist. Eixo (m):		-6,021	-4,424	-4,424	-3,995	0,000	4,005	4,434	4,434	5,889	
Cota Camada 1 (m)					12,884	12,964	12,884				
Cota Camada 3 (m)					12,804	12,884	12,804				
Cota Camada 6 (m)					12,764	12,844	12,764				
Cota Camada 7 (m)					12,614	12,694	12,614				
Cota (m):		12,815	12,783	12,455	12,464	12,544	12,464	12,455	12,782	12,811	
E:		708.419,41	708.417,81	708.417,8120	708.417,38	708.413,39	708.409,39	708.408,96	708.408,9577	708.407,50	
N:		7.089.826,26	7.089.826,22	7.089.826,2221	7.089.826,21	7.089.826,11	7.089.826,00	7.089.825,99	7.089.825,9905	7.089.825,95	

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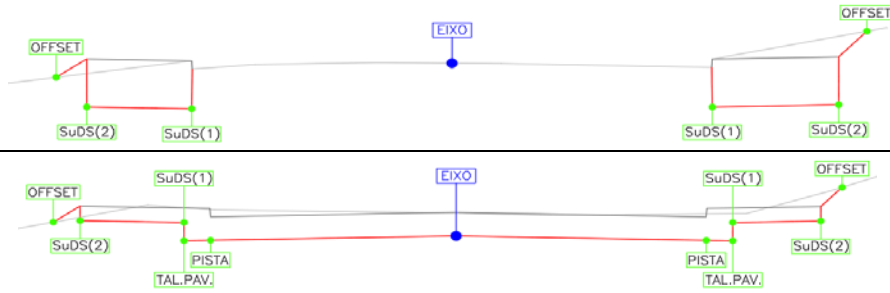
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 23+10											
Dist. Eixo (m):		-6,020	-4,423	-4,423	-3,994	0,000	4,006	4,435	4,435	5,896	
Cota Camada 1 (m)					12,864	12,944	12,863				
Cota Camada 3 (m)					12,784	12,864	12,783				
Cota Camada 6 (m)					12,744	12,824	12,743				
Cota Camada 7 (m)					12,594	12,674	12,593				
Cota (m):		12,794	12,762	12,435	12,444	12,524	12,443	12,435	12,762	12,791	
E:		708.419,67	708.418,07	708.418,0725	708.417,64	708.413,65	708.409,65	708.409,22	708.409,2182	708.407,76	
N:		7.089.816,27	7.089.816,23	7.089.816,2255	7.089.816,21	7.089.816,11	7.089.816,01	7.089.815,99	7.089.815,9939	7.089.815,96	
Station: 24+0											
Dist. Eixo (m):		-6,018	-4,422	-4,422	-3,993	0,000	4,007	4,436	4,436	5,903	
Cota Camada 1 (m)					12,843	12,923	12,843				
Cota Camada 3 (m)					12,763	12,843	12,763				
Cota Camada 6 (m)					12,723	12,803	12,723				
Cota Camada 7 (m)					12,573	12,653	12,573				
Cota (m):		12,774	12,742	12,414	12,423	12,503	12,423	12,414	12,742	12,771	
E:		708.419,93	708.418,33	708.418,3330	708.417,90	708.413,91	708.409,91	708.409,48	708.409,4787	708.408,01	
N:		7.089.806,27	7.089.806,23	7.089.806,2289	7.089.806,22	7.089.806,11	7.089.806,01	7.089.806,00	7.089.805,9973	7.089.805,96	
Station: 24+10											
Dist. Eixo (m):		-6,017	-4,421	-4,421	-3,992	0,000	4,008	4,437	4,437	5,911	
Cota Camada 1 (m)					12,823	12,903	12,822				
Cota Camada 3 (m)					12,743	12,823	12,742				
Cota Camada 6 (m)					12,703	12,783	12,702				
Cota Camada 7 (m)					12,553	12,633	12,552				
Cota (m):		12,753	12,721	12,394	12,403	12,483	12,402	12,394	12,721	12,750	
E:		708.420,19	708.418,59	708.418,5935	708.418,16	708.414,17	708.410,17	708.409,74	708.409,7392	708.408,27	
N:		7.089.796,27	7.089.796,23	7.089.796,2323	7.089.796,22	7.089.796,12	7.089.796,01	7.089.796,00	7.089.796,0007	7.089.795,96	
Station: 25+0											
Dist. Eixo (m):		-6,015	-4,424	-4,424	-3,995	0,000	4,005	4,434	4,434	5,918	
Cota Camada 1 (m)					12,802	12,882	12,802				
Cota Camada 3 (m)					12,722	12,802	12,722				
Cota Camada 6 (m)					12,682	12,762	12,682				
Cota Camada 7 (m)					12,532	12,612	12,532				
Cota (m):		12,732	12,701	12,373	12,382	12,462	12,382	12,373	12,700	12,730	
E:		708.420,45	708.418,86	708.418,8579	708.418,43	708.414,44	708.410,43	708.410,00	708.410,0036	708.408,52	
N:		7.089.786,28	7.089.786,24	7.089.786,2358	7.089.786,22	7.089.786,12	7.089.786,02	7.089.786,00	7.089.786,0041	7.089.785,97	
Station: 25+10											
Dist. Eixo (m):		-6,014	-4,437	-4,437	-4,008	0,000	3,992	4,421	4,421	5,925	
Cota Camada 1 (m)					12,781	12,862	12,782				
Cota Camada 3 (m)					12,701	12,782	12,702				
Cota Camada 6 (m)					12,661	12,742	12,662				
Cota Camada 7 (m)					12,511	12,592	12,512				
Cota (m):		12,711	12,680	12,352	12,361	12,442	12,362	12,353	12,680	12,710	
E:		708.420,71	708.419,13	708.419,1326	708.418,70	708.414,70	708.410,71	708.410,28	708.410,2782	708.408,77	
N:		7.089.776,28	7.089.776,24	7.089.776,2395	7.089.776,23	7.089.776,12	7.089.776,02	7.089.776,01	7.089.776,0079	7.089.775,97	
Station: 26+0											
Dist. Eixo (m):		-6,012	-4,450	-4,450	-4,021	0,000	3,979	4,408	4,408	5,933	
Cota Camada 1 (m)					12,761	12,841	12,762				
Cota Camada 3 (m)					12,681	12,761	12,682				
Cota Camada 6 (m)					12,641	12,721	12,642				
Cota Camada 7 (m)					12,491	12,571	12,492				
Cota (m):		12,690	12,659	12,332	12,341	12,421	12,342	12,333	12,660	12,690	
E:		708.420,97	708.419,41	708.419,4072	708.418,98	708.414,96	708.410,98	708.410,55	708.410,5529	708.409,03	
N:		7.089.766,28	7.089.766,24	7.089.766,2433	7.089.766,23	7.089.766,13	7.089.766,02	7.089.766,01	7.089.766,0117	7.089.765,97	
Station: 26+10											
Dist. Eixo (m):		-6,011	-4,463	-4,463	-4,034	0,000	3,966	4,394	4,394	5,940	
Cota Camada 1 (m)					12,740	12,821	12,741				
Cota Camada 3 (m)					12,660	12,741	12,661				
Cota Camada 6 (m)					12,620	12,701	12,621				
Cota Camada 7 (m)					12,470	12,551	12,471				
Cota (m):		12,669	12,638	12,311	12,320	12,401	12,321	12,313	12,640	12,671	
E:		708.421,23	708.419,68	708.419,6819	708.419,25	708.415,22	708.411,26	708.410,83	708.410,8275	708.409,28	
N:		7.089.756,29	7.089.756,25	7.089.756,2471	7.089.756,24	7.089.756,13	7.089.756,03	7.089.756,02	7.089.756,0154	7.089.755,98	
Station: 27+0											
Dist. Eixo (m):		-6,010	-4,476	-4,476	-4,047	0,000	3,953	4,381	4,381	5,947	
Cota Camada 1 (m)					12,719	12,800	12,721				
Cota Camada 3 (m)					12,639	12,720	12,641				
Cota Camada 6 (m)					12,599	12,680	12,601				
Cota Camada 7 (m)					12,449	12,530	12,451				
Cota (m):		12,648	12,618	12,290	12,299	12,380	12,301	12,292	12,620	12,651	
E:		708.421,49	708.419,96	708.419,9565	708.419,53	708.415,48	708.411,53	708.411,10	708.411,1022	708.409,54	
N:		7.089.746,29	7.089.746,25	7.089.746,2508	7.089.746,24	7.089.746,13	7.089.746,03	7.089.746,02	7.089.746,0192	7.089.745,98	

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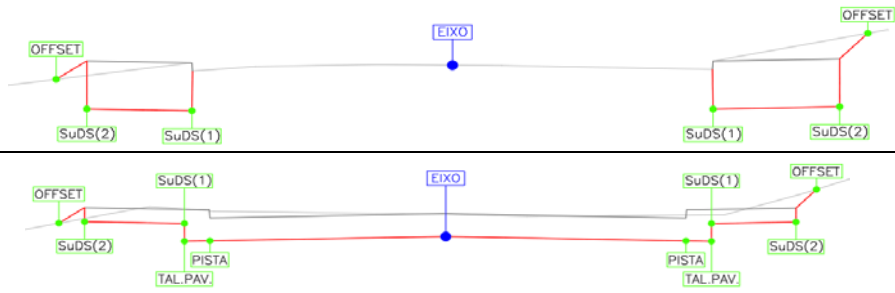
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 27+10											
Dist. Eixo (m):		-6,008	-4,489	-4,489	-4,061	0,000	3,939	4,368	4,368	5,955	
Cota Camada 1 (m)					12,698	12,780	12,701				
Cota Camada 3 (m)					12,618	12,700	12,621				
Cota Camada 6 (m)					12,578	12,660	12,581				
Cota Camada 7 (m)					12,428	12,510	12,431				
Cota (m):		12,627	12,597	12,269	12,278	12,360	12,281	12,272	12,599	12,631	
E:		708.421,75	708.420,23	708.420,2312	708.419,80	708.415,74	708.411,81	708.411,38	708.411,3768	708.409,79	
N:		7.089.736,29	7.089.736,25	7.089.736,2546	7.089.736,24	7.089.736,14	7.089.736,03	7.089.736,02	7.089.736,0230	7.089.735,98	
Station: 28+0											
Dist. Eixo (m):		-6,007	-4,488	-4,488	-4,060	0,000	3,940	4,369	4,369	5,962	
Cota Camada 1 (m)					12,678	12,759	12,680				
Cota Camada 3 (m)					12,598	12,679	12,600				
Cota Camada 6 (m)					12,558	12,639	12,560				
Cota Camada 7 (m)					12,408	12,489	12,410				
Cota (m):		12,607	12,576	12,249	12,258	12,339	12,260	12,252	12,579	12,611	
E:		708.422,01	708.420,49	708.420,4917	708.420,06	708.416,00	708.412,07	708.411,64	708.411,6374	708.410,05	
N:		7.089.726,30	7.089.726,26	7.089.726,2580	7.089.726,25	7.089.726,14	7.089.726,04	7.089.726,03	7.089.726,0264	7.089.725,98	
Station: 28+10											
Dist. Eixo (m):		-6,005	-4,475	-4,475	-4,047	0,000	3,953	4,382	4,382	5,969	
Cota Camada 1 (m)					12,658	12,739	12,660				
Cota Camada 3 (m)					12,578	12,659	12,580				
Cota Camada 6 (m)					12,538	12,619	12,540				
Cota Camada 7 (m)					12,388	12,469	12,390				
Cota (m):		12,587	12,556	12,229	12,238	12,319	12,240	12,231	12,558	12,590	
E:		708.422,27	708.420,74	708.420,7402	708.420,31	708.416,27	708.412,31	708.411,89	708.411,8859	708.410,30	
N:		7.089.716,30	7.089.716,26	7.089.716,2611	7.089.716,25	7.089.716,14	7.089.716,04	7.089.716,03	7.089.716,0294	7.089.715,99	
Station: 29+0											
Dist. Eixo (m):		-6,004	-4,462	-4,462	-4,034	0,000	3,966	4,395	4,395	5,977	
Cota Camada 1 (m)					12,637	12,718	12,639				
Cota Camada 3 (m)					12,557	12,638	12,559				
Cota Camada 6 (m)					12,517	12,598	12,519				
Cota Camada 7 (m)					12,367	12,448	12,369				
Cota (m):		12,567	12,536	12,208	12,217	12,298	12,219	12,210	12,537	12,569	
E:		708.422,53	708.420,99	708.420,9887	708.420,56	708.416,53	708.412,56	708.412,13	708.412,1344	708.410,55	
N:		7.089.706,30	7.089.706,26	7.089.706,2641	7.089.706,25	7.089.706,15	7.089.706,04	7.089.706,03	7.089.706,0325	7.089.705,99	
Station: 29+10											
Dist. Eixo (m):		-6,002	-4,449	-4,449	-4,021	0,000	3,979	4,408	4,408	5,984	
Cota Camada 1 (m)					12,617	12,698	12,618				
Cota Camada 3 (m)					12,537	12,618	12,538				
Cota Camada 6 (m)					12,497	12,578	12,498				
Cota Camada 7 (m)					12,347	12,428	12,348				
Cota (m):		12,547	12,516	12,188	12,197	12,278	12,198	12,189	12,516	12,548	
E:		708.422,79	708.421,24	708.421,2372	708.420,81	708.416,79	708.412,81	708.412,38	708.412,3829	708.410,81	
N:		7.089.696,31	7.089.696,27	7.089.696,2672	7.089.696,26	7.089.696,15	7.089.696,05	7.089.696,04	7.089.696,0356	7.089.695,99	
Station: 30+0											
Dist. Eixo (m):		-6,001	-4,436	-4,436	-4,008	0,000	3,992	4,421	4,421	5,991	
Cota Camada 1 (m)					12,597	12,677	12,597				
Cota Camada 3 (m)					12,517	12,597	12,517				
Cota Camada 6 (m)					12,477	12,557	12,477				
Cota Camada 7 (m)					12,327	12,407	12,327				
Cota (m):		12,527	12,495	12,168	12,177	12,257	12,177	12,169	12,496	12,527	
E:		708.423,05	708.421,49	708.421,4857	708.421,06	708.417,05	708.413,06	708.412,63	708.412,6314	708.411,06	
N:		7.089.686,31	7.089.686,27	7.089.686,2703	7.089.686,26	7.089.686,15	7.089.686,05	7.089.686,04	7.089.686,0387	7.089.686,00	
Station: 30+5											
Dist. Eixo (m):		-6,000	-4,429	-4,429	-4,000	0,000	4,000	4,429	4,429	5,996	
Cota Camada 1 (m)					12,585	12,665	12,585				
Cota Camada 3 (m)					12,505	12,585	12,505				
Cota Camada 6 (m)					12,465	12,545	12,465				
Cota Camada 7 (m)					12,315	12,395	12,315				
Cota (m):		12,515	12,484	12,156	12,165	12,245	12,165	12,157	12,484	12,515	
E:		708.423,20	708.421,63	708.421,6301	708.421,20	708.417,20	708.413,20	708.412,78	708.412,7758	708.411,21	
N:		7.089.680,50	7.089.680,46	7.089.680,4629	7.089.680,45	7.089.680,35	7.089.680,24	7.089.680,23	7.089.680,2313	7.089.680,19	

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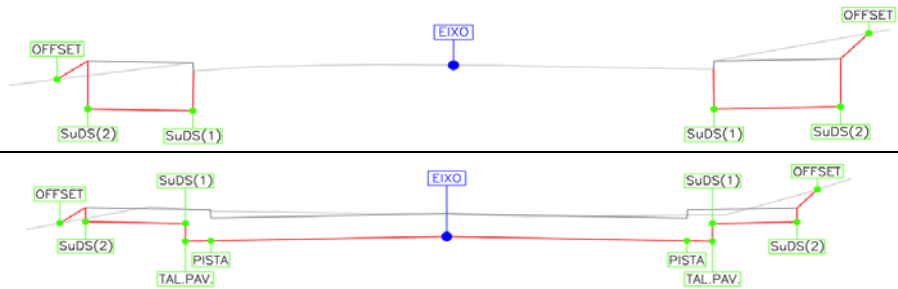
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):		-6,200	-5,010			0,000					
Cota (m):		11,175	11,151								
E:		709.655,6027	709.655,6426			709.655,8107					
N:		7.090.179,5223	7.090.178,3329			7.090.173,3258					
Station: 0+10											
Dist. Eixo (m):		-7,812	-5,095			0,000			5,027	7,880	
Cota (m):		11,096	11,041						11,043	11,100	
E:		709.665,5430	709.665,6341			709.665,8051			709.665,9737	709.666,0695	
N:		7.090.181,4686	7.090.178,7537			7.090.173,6613			7.090.168,6368	7.090.165,7857	
Station: 1+0											
Dist. Eixo (m):		-7,851	-5,107			0,000			5,079	7,943	
Cota (m):		11,050	10,995						10,995	11,053	
E:		709.675,5360	709.675,6281			709.675,7994			709.675,9698	709.676,0659	
N:		7.090.181,8430	7.090.179,1012			7.090.173,9968			7.090.168,9211	7.090.166,0582	
Station: 1+10											
Dist. Eixo (m):		-7,889	-5,119			0,000			5,092	7,942	
Cota (m):		11,013	10,958						10,958	11,015	
E:		709.685,5291	709.685,6220			709.685,7938			709.685,9646	709.686,0603	
N:		7.090.182,2173	7.090.179,4485			7.090.174,3323			7.090.169,2434	7.090.166,3950	
Station: 2+0											
Dist. Eixo (m):		-7,983	-5,119			0,000			5,061	7,972	
Cota (m):		10,966	10,909						10,910	10,968	
E:		709.695,5203	709.695,6164			709.695,7882			709.695,9580	709.696,0557	
N:		7.090.182,6468	7.090.179,7835			7.090.174,6679			7.090.169,6096	7.090.166,7001	
Station: 2+10											
Dist. Eixo (m):		-8,060	-5,118			0,000			5,030	8,033	
Cota (m):		10,914	10,855						10,857	10,917	
E:		709.705,5121	709.705,6108			709.705,7825			709.705,9513	709.706,0520	
N:		7.090.183,0585	7.090.180,1185			7.090.175,0034			7.090.169,9758	7.090.166,9754	
Station: 3+0											
Dist. Eixo (m):		-8,098	-5,118			0,000			5,000	8,093	
Cota (m):		10,890	10,831						10,833	10,895	
E:		709.715,5052	709.715,6052			709.715,7769			709.715,9447	709.716,0484	
N:		7.090.183,4326	7.090.180,4536			7.090.175,3389			7.090.170,3420	7.090.167,2507	
Station: 3+10											
Dist. Eixo (m):		-8,166	-5,117			0,000			4,969	8,153	
Cota (m):		10,869	10,808						10,811	10,875	
E:		709.725,4973	709.725,5996			709.725,7713			709.725,9380	709.726,0448	
N:		7.090.183,8358	7.090.180,7886			7.090.175,6745			7.090.170,7082	7.090.167,5260	
Station: 4+0											
Dist. Eixo (m):		-8,120	-5,129			0,000			4,951	8,190	
Cota (m):		10,812	10,752						10,756	10,821	
E:		709.735,4932	709.735,5935			709.735,7656			709.735,9318	709.736,0404	
N:		7.090.184,1259	7.090.181,1364			7.090.176,0100			7.090.171,0619	7.090.167,8242	
Station: 4+10											
Dist. Eixo (m):		-8,124	-5,145			0,000			4,948	8,140	
Cota (m):		10,758	10,699						10,702	10,766	
E:		709.745,4874	709.745,5874			709.745,7600			709.745,9260	709.746,0331	
N:		7.090.184,4648	7.090.181,4875			7.090.176,3455			7.090.171,4008	7.090.168,2100	
Station: 5+0											
Dist. Eixo (m):		-8,143	-5,160			0,000			4,944	8,090	
Cota (m):		10,739	10,680						10,684	10,747	
E:		709.755,4812	709.755,5812			709.755,7544			709.755,9203	709.756,0258	
N:		7.090.184,8193	7.090.181,8386			7.090.176,6810			7.090.171,7397	7.090.168,5958	
Station: 5+10											
Dist. Eixo (m):		-8,162	-5,176			0,000			4,941	8,039	
Cota (m):		10,721	10,661						10,666	10,728	
E:		709.765,4749	709.765,5751			709.765,7487			709.765,9145	709.766,0185	
N:		7.090.185,1738	7.090.182,1897			7.090.177,0166			7.090.172,0785	7.090.168,9816	
Station: 6+0											
Dist. Eixo (m):		-8,150	-5,192			0,000			4,937	7,989	
Cota (m):		10,693	10,633						10,639	10,700	
E:		709.775,4697	709.775,5699			709.775,7431			709.775,9088	709.776,0112	
N:		7.090.185,4976	7.090.182,5409			7.090.177,3521			7.090.172,4174	7.090.169,3674	
Station: 6+10											
Dist. Eixo (m):		-8,151	-5,207			0,000			4,934	7,939	
Cota (m):		10,659	10,600						10,605	10,665	
E:		709.785,4640	709.785,5628			709.785,7375			709.785,9030	709.786,0039	
N:		7.090.185,8344	7.090.182,8920			7.090.177,6876			7.090.172,7563	7.090.169,7532	

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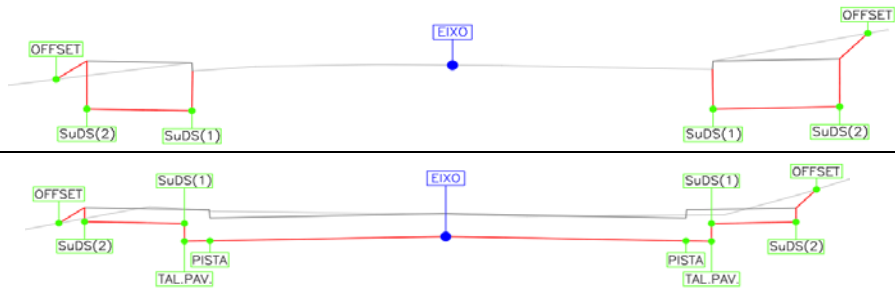
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 7+0											
Dist. Eixo (m):		-8,181	-5,220			0,000			4,935	7,889	
Cota (m):		10,613	10,554						10,560	10,619	
E:		709.795,4574	709.795,5567			709.795,7319			709.795,8974	709.795,9965	
N:		7.090.186,1996	7.090.183,2400			7.090.178,0232			7.090.173,0914	7.090.170,1390	
Station: 7+10											
Dist. Eixo (m):		-7,584	-5,202			0,000			4,935	7,930	
Cota (m):		10,559	10,512						10,517	10,577	
E:		709.805,4717	709.805,5517			709.805,7262			709.805,8918	709.805,9923	
N:		7.090.185,9388	7.090.183,5582			7.090.178,3587			7.090.173,4261	7.090.170,4329	
Station: 8+0											
Dist. Eixo (m):		-7,662	-5,185			0,000			4,937	7,976	
Cota (m):		10,530	10,480						10,485	10,546	
E:		709.815,4635	709.815,5466			709.815,7206			709.815,8862	709.815,9882	
N:		7.090.186,3521	7.090.183,8764			7.090.178,6942			7.090.173,7603	7.090.170,7224	
Station: 8+10											
Dist. Eixo (m):		-7,754	-5,168			0,000			4,946	8,018	
Cota (m):		10,503	10,451						10,455	10,517	
E:		709.825,4548	709.825,5416			709.825,7150			709.825,8809	709.825,9840	
N:		7.090.186,7789	7.090.184,1947			7.090.179,0297			7.090.174,0863	7.090.171,0162	
Station: 9+0											
Dist. Eixo (m):		-7,880	-5,159			0,000			4,956	8,056	
Cota (m):		10,481	10,427						10,431	10,493	
E:		709.835,4449	709.835,5362			709.835,7093			709.835,8756	709.835,9796	
N:		7.090.187,2408	7.090.184,5211			7.090.179,3653			7.090.174,4123	7.090.171,3137	
Station: 9+9											
Dist. Eixo (m):						0,000			5,010	10,000	
Cota Camada 1 (m)					0,390	0,390	0,390				
Cota Camada 3 (m)					0,310	0,310	0,310				
Cota Camada 6 (m)					0,270	0,270	0,270				
Cota Camada 7 (m)					0,150	0,150	0,150				
Cota (m):									10,349	10,449	
E:						709.844,7928			709.844,9609	709.845,1283	
N:						7.090.179,6702			7.090.174,6630	7.090.169,6758	
Station: 10+2											
Dist. Eixo (m):		-13,479	-13,114	-13,114	-12,705	0,000	10,548	10,956	10,956	12,931	
Cota Camada 1 (m)					10,830	10,892	10,920				
Cota Camada 3 (m)					10,750	10,812	10,840				
Cota Camada 6 (m)					10,710	10,772	10,800				
Cota Camada 7 (m)					10,590	10,652	10,680				
Cota (m):		10,537	10,528	10,432	10,440	10,502	10,530	10,523	10,619	10,658	
E:		709.857,3686	709.857,3805	709.857,3805	709.857,3939	709.857,8104	709.858,1561	709.858,1695	709.858,1695	709.858,2342	
N:		7.090.193,5686	7.090.193,2041	7.090.193,2041	7.090.192,7952	7.090.180,0971	7.090.169,5550	7.090.169,1469	7.090.169,1469	7.090.167,1727	
Station: 10+10											
Dist. Eixo (m):		-7,933	-5,335	-5,335	-4,936	0,000	5,064	5,462	5,462	8,436	
Cota Camada 1 (m)					10,762	10,861	10,760				
Cota Camada 3 (m)					10,682	10,781	10,680				
Cota Camada 6 (m)					10,642	10,741	10,640				
Cota Camada 7 (m)					10,522	10,621	10,520				
Cota (m):		10,512	10,460	10,364	10,372	10,471	10,370	10,362	10,458	10,517	
E:		709.865,4330	709.865,5181	709.865,5181	709.865,5312	709.865,6930	709.865,8590	709.865,8720	709.865,8720	709.865,9695	
N:		7.090.188,2842	7.090.185,6873	7.090.185,6873	7.090.185,2893	7.090.180,3556	7.090.175,2947	7.090.174,8970	7.090.174,8970	7.090.171,9244	
Station: 11+0											
Dist. Eixo (m):		-7,881	-5,339	-5,339	-4,941	0,000	5,059	5,457	5,457	8,425	
Cota Camada 1 (m)					10,722	10,821	10,720				
Cota Camada 3 (m)					10,642	10,741	10,640				
Cota Camada 6 (m)					10,602	10,701	10,600				
Cota Camada 7 (m)					10,482	10,581	10,480				
Cota (m):		10,471	10,420	10,324	10,332	10,431	10,330	10,322	10,418	10,477	
E:		709.875,4293	709.875,5126	709.875,5126	709.875,5257	709.875,6876	709.875,8534	709.875,8665	709.875,8665	709.875,9638	
N:		7.090.188,5601	7.090.186,0194	7.090.186,0194	7.090.185,6214	7.090.180,6834	7.090.175,6268	7.090.175,2291	7.090.175,2291	7.090.172,2629	
Station: 11+10											
Dist. Eixo (m):		-7,798	-5,343	-5,343	-4,945	0,000	5,055	5,453	5,453	8,404	
Cota Camada 1 (m)					10,682	10,781	10,680				
Cota Camada 3 (m)					10,602	10,701	10,600				
Cota Camada 6 (m)					10,562	10,661	10,560				
Cota Camada 7 (m)					10,442	10,541	10,440				
Cota (m):		10,429	10,380	10,284	10,292	10,391	10,290	10,282	10,378	10,437	
E:		709.885,4266	709.885,5071	709.885,5071	709.885,5202	709.885,6822	709.885,8479	709.885,8610	709.885,8610	709.885,9577	
N:		7.090.188,8053	7.090.186,3515	7.090.186,3515	7.090.185,9535	7.090.181,0112	7.090.175,9589	7.090.175,5611	7.090.175,5611	7.090.172,6118	

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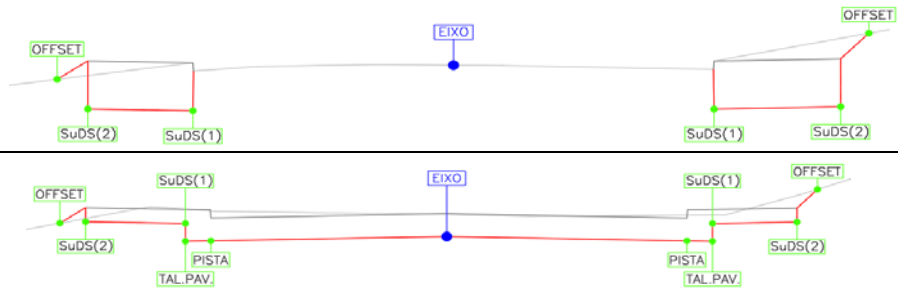
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 12+0											
Dist. Eixo (m):		-7,699	-5,347	-5,347	-4,949	0,000	5,051	5,449	5,449	8,158	
Cota Camada 1 (m)					10,643	10,742	10,641				
Cota Camada 3 (m)					10,563	10,662	10,561				
Cota Camada 6 (m)					10,523	10,622	10,521				
Cota Camada 7 (m)					10,403	10,502	10,401				
Cota (m):	10,387	10,340	10,245	10,253	10,352	10,251	10,243	10,339	10,393		
E:	709.895,4245	709.895,5016	709.895,5016	709.895,5146	709.895,6769	709.895,8424	709.895,8555	709.895,8555	709.895,9443		
N:	7.090.189,0342	7.090.186,6835	7.090.186,6835	7.090.186,2856	7.090.181,3390	7.090.176,2910	7.090.175,8932	7.090.175,8932	7.090.173,1850		
Station: 12+10											
Dist. Eixo (m):		-7,600	-5,352	-5,352	-4,954	0,000	5,046	5,444	5,444	7,779	
Cota Camada 1 (m)					10,603	10,702	10,601				
Cota Camada 3 (m)					10,523	10,622	10,521				
Cota Camada 6 (m)					10,483	10,582	10,481				
Cota Camada 7 (m)					10,363	10,462	10,361				
Cota (m):	10,346	10,301	10,205	10,213	10,312	10,211	10,203	10,298	10,345		
E:	709.905,4224	709.905,4961	709.905,4961	709.905,5091	709.905,6715	709.905,8369	709.905,8499	709.905,8499	709.905,9265		
N:	7.090.189,2631	7.090.187,0156	7.090.187,0156	7.090.186,6177	7.090.181,6667	7.090.176,6231	7.090.176,2253	7.090.176,2253	7.090.173,8919		
Station: 13+0											
Dist. Eixo (m):		-7,528	-5,356	-5,356	-4,958	0,000	5,042	5,440	5,440	7,865	
Cota Camada 1 (m)					10,563	10,662	10,561				
Cota Camada 3 (m)					10,483	10,582	10,481				
Cota Camada 6 (m)					10,443	10,542	10,441				
Cota Camada 7 (m)					10,323	10,422	10,321				
Cota (m):	10,304	10,261	10,165	10,173	10,272	10,171	10,163	10,260	10,308		
E:	709.915,4194	709.915,4906	709.915,4906	709.915,5036	709.915,6661	709.915,8314	709.915,8444	709.915,8444	709.915,9239		
N:	7.090.189,5184	7.090.187,3477	7.090.187,3477	7.090.186,9498	7.090.181,9945	7.090.176,9551	7.090.176,5574	7.090.176,5574	7.090.174,1337		
Station: 13+10											
Dist. Eixo (m):		-7,896	-5,360	-5,360	-4,962	0,000	5,038	5,436	5,436	7,951	
Cota Camada 1 (m)					10,523	10,622	10,522				
Cota Camada 3 (m)					10,443	10,542	10,442				
Cota Camada 6 (m)					10,403	10,502	10,402				
Cota Camada 7 (m)					10,283	10,382	10,282				
Cota (m):	10,490	10,265	10,221	10,125	10,232	10,132	10,124	10,220	10,270		
E:	709.925,4019	709.925,4135	709.925,4850	709.925,4850	709.925,6607	709.925,8259	709.925,8389	709.925,8389	709.925,9214		
N:	7.090.190,2142	7.090.189,8627	7.090.187,6798	7.090.187,6798	7.090.182,3223	7.090.177,2872	7.090.176,8895	7.090.176,8895	7.090.174,3756		
Station: 14+0											
Dist. Eixo (m):		-7,933	-5,365	-5,365	-4,967	0,000	5,033	5,431	5,431	8,013	
Cota Camada 1 (m)					10,483	10,583	10,482				
Cota Camada 3 (m)					10,403	10,503	10,402				
Cota Camada 6 (m)					10,363	10,463	10,362				
Cota Camada 7 (m)					10,243	10,343	10,242				
Cota (m):	10,437	10,225	10,181	10,085	10,193	10,092	10,084	10,179	10,231		
E:	709.935,3953	709.935,4075	709.935,4795	709.935,4795	709.935,6554	709.935,8204	709.935,8334	709.935,8334	709.935,9180		
N:	7.090.190,5788	7.090.190,2068	7.090.188,0119	7.090.188,0119	7.090.182,8501	7.090.177,6193	7.090.177,2216	7.090.177,2216	7.090.174,6410		
Station: 14+10											
Dist. Eixo (m):		-7,970	-5,369	-5,369	-4,971	0,000	5,029	5,427	5,427	7,999	
Cota Camada 1 (m)					10,443	10,543	10,442				
Cota Camada 3 (m)					10,363	10,463	10,362				
Cota Camada 6 (m)					10,323	10,423	10,322				
Cota Camada 7 (m)					10,203	10,303	10,202				
Cota (m):	10,383	10,185	10,141	10,045	10,153	10,052	10,044	10,140	10,191		
E:	709.945,3888	709.945,4016	709.945,4740	709.945,4740	709.945,6500	709.945,8148	709.945,8279	709.945,8279	709.945,9122		
N:	7.090.190,9434	7.090.190,5509	7.090.188,3440	7.090.188,3440	7.090.182,9778	7.090.177,9514	7.090.177,5537	7.090.177,5537	7.090.174,9834		
Station: 15+0											
Dist. Eixo (m):		-7,896	-5,373	-5,373	-4,975	0,000	5,025	5,423	5,423	7,984	8,015
Cota Camada 1 (m)					10,404	10,503	10,403				
Cota Camada 3 (m)					10,324	10,423	10,323				
Cota Camada 6 (m)					10,284	10,383	10,283				
Cota Camada 7 (m)					10,164	10,263	10,163				
Cota (m):	10,404	10,145	10,101	10,006	10,113	10,013	10,005	10,101	10,152	10,643	
E:	709.955,3858	709.955,3957	709.955,4685	709.955,4685	709.955,6446	709.955,8093	709.955,8224	709.955,8224	709.955,9063	709.955,9073	
N:	7.090.191,1969	7.090.190,8950	7.090.188,6761	7.090.188,6761	7.090.183,3056	7.090.178,2835	7.090.177,8857	7.090.177,8857	7.090.175,3258	7.090.175,2946	
Station: 15+10											
Dist. Eixo (m):		-7,834	-5,378	-5,378	-4,980	0,000	5,020	5,418	5,418	7,969	8,057
Cota Camada 1 (m)					10,364	10,463	10,363				
Cota Camada 3 (m)					10,284	10,383	10,283				
Cota Camada 6 (m)					10,244	10,343	10,243				
Cota Camada 7 (m)					10,124	10,223	10,123				
Cota (m):	10,417	10,107	10,062	9,966	10,073	9,973	9,965	10,061	10,112	10,660	
E:	709.965,3825	709.965,3898	709.965,4630	709.965,4630	709.965,6392	709.965,8038	709.965,8169	709.965,8169	709.965,9005	709.965,9034	
N:	7.090.191,4630	7.090.191,2391	7.090.189,0082	7.090.189,0082	7.090.183,6334	7.090.178,6156	7.090.178,2178	7.090.178,2178	7.090.175,6682	7.090.175,5803	

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RUA AUGUSTO ECCEL

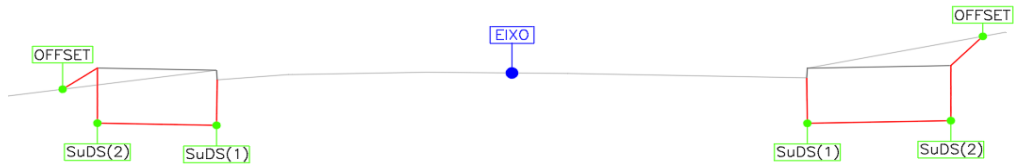
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 16+0											
Dist. Eixo (m):	-7,915	-7,626	-5,382	-5,382	-4,984	0,000	5,016	5,414	5,414	7,850	
Cota Camada 1 (m)					10,324	10,424	10,323				
Cota Camada 3 (m)					10,244	10,344	10,243				
Cota Camada 6 (m)					10,204	10,304	10,203				
Cota Camada 7 (m)					10,084	10,184	10,083				
Cota (m):	10,334	10,067	10,022	9,926	9,934	10,034	9,933	9,925	10,021	10,070	
E:	709.975,3744	709.975,3839	709.975,4575	709.975,4575	709.975,4705	709.975,6339	709.975,7983	709.975,8113	709.975,8113	709.975,8912	
N:	7.090.191,8722	7.090.191,5832	7.090.189,3402	7.090.189,3402	7.090.188,9423	7.090.183,9611	7.090.178,9477	7.090.178,5499	7.090.178,5499	7.090.176,1151	
Station: 16+10											
Dist. Eixo (m):		-7,642	-5,386	-5,386	-4,988	0,000	5,012	5,410	5,410	7,721	
Cota Camada 1 (m)					10,284	10,384	10,284				
Cota Camada 3 (m)					10,204	10,304	10,204				
Cota Camada 6 (m)					10,164	10,264	10,164				
Cota Camada 7 (m)					10,044	10,144	10,044				
Cota (m):		10,027	9,982	9,886	9,894	9,994	9,894	9,886	9,982	10,028	
E:		709.985,3780	709.985,4520	709.985,4520	709.985,4650	709.985,6285	709.985,7928	709.985,8058	709.985,8058	709.985,8816	
N:		7.090.191,9273	7.090.189,6723	7.090.189,6723	7.090.189,2744	7.090.184,2889	7.090.179,2798	7.090.178,8820	7.090.178,8820	7.090.176,5722	
Station: 17+0											
Dist. Eixo (m):	-8,012	-7,972	-5,391	-5,391	-4,992	0,000	5,008	5,406	5,406	7,708	
Cota Camada 1 (m)					10,230	10,329	10,229				
Cota Camada 3 (m)					10,150	10,249	10,149				
Cota Camada 6 (m)					10,110	10,209	10,109				
Cota Camada 7 (m)					9,990	10,089	9,989				
Cota (m):	10,479	9,979	9,927	9,832	9,840	9,939	9,839	9,831	9,927	9,973	
E:	709.995,3605	709.995,3618	709.995,4464	709.995,4464	709.995,4595	709.995,6231	709.995,7873	709.995,8003	709.995,8003	709.995,8758	
N:	7.090.192,6243	7.090.192,5848	7.090.190,0044	7.090.190,0044	7.090.189,6065	7.090.184,6167	7.090.179,6118	7.090.179,2141	7.090.179,2141	7.090.176,9128	
Station: 17+10											
Dist. Eixo (m):		-8,027	-5,395	-5,395	-4,997	0,000	5,003	5,401	5,401	7,695	
Cota Camada 1 (m)					10,119	10,219	10,119				
Cota Camada 3 (m)					10,039	10,139	10,039				
Cota Camada 6 (m)					9,999	10,099	9,999				
Cota Camada 7 (m)					9,879	9,979	9,879				
Cota (m):		9,869	9,816	9,721	9,729	9,829	9,729	9,721	9,816	9,862	
E:		710.005,3546	710.005,4409	710.005,4409	710.005,4540	710.005,6178	710.005,7817	710.005,7948	710.005,7948	710.005,8700	
N:		7.090.192,9677	7.090.190,3365	7.090.190,3365	7.090.189,9386	7.090.184,9445	7.090.179,9439	7.090.179,5462	7.090.179,5462	7.090.177,2534	
Station: 17+17											
Dist. Eixo (m):	-6,296	-6,200	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	6,200	6,408
Cota Camada 1 (m)					10,003	10,103	10,003				
Cota Camada 3 (m)					9,923	10,023	9,923				
Cota Camada 6 (m)					9,883	9,983	9,883				
Cota Camada 7 (m)					9,763	9,863	9,763				
Cota (m):	10,273	10,177	9,701	9,605	9,613	9,713	9,613	9,605	9,701	9,717	10,039
E:	710.012,8966	710.012,8997	710.012,9260	710.012,9260	710.012,9390	710.013,1029	710.013,2668	710.013,2799	710.013,2799	710.013,3061	710.013,3130
N:	7.090.191,4821	7.090.191,3868	7.090.190,5852	7.090.190,5852	7.090.190,1873	7.090.185,1899	7.090.180,1926	7.090.179,7949	7.090.179,7949	7.090.178,9933	7.090.178,7854

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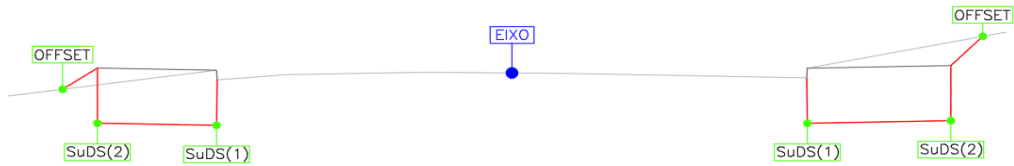
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0							
Dist. Eixo (m):				0,000	11,715	13,875	
Cota (m):					11,796	11,839	
E:				709.630,9627	709.619,2545	709.617,0958	
N:				7.090.789,9264	7.090.789,5358	7.090.789,4637	
Station: 0+10							
Dist. Eixo (m):		-8,696	-5,484	0,000	5,110	8,451	
Cota (m):		11,966	11,901		11,909	11,976	
E:		709.639,9873	709.636,7766	709.631,2961	709.626,1888	709.622,8499	
N:		7.090.780,2219	7.090.780,1148	7.090.779,9320	7.090.779,7616	7.090.779,6502	
Station: 1+0							
Dist. Eixo (m):		-8,886	-4,102	0,000	4,152	8,310	
Cota (m):		11,968	11,873		11,872	11,955	
E:		709.640,5104	709.635,7296	709.631,6296	709.627,4796	709.623,3245	
N:		7.090.770,2338	7.090.770,0743	7.090.769,9375	7.090.769,7991	7.090.769,6604	
Station: 1+10							
Dist. Eixo (m):		-8,701	-4,100	0,000	3,931	8,180	
Cota (m):		11,908	11,816		11,820	11,905	
E:		709.640,6589	709.636,0607	709.631,9631	709.628,0341	709.623,7872	
N:		7.090.760,2332	7.090.760,0798	7.090.759,9431	7.090.759,8120	7.090.759,6703	
Station: 2+0							
Dist. Eixo (m):		-8,495	-4,095	0,000	3,913	8,054	
Cota (m):		11,851	11,763		11,767	11,850	
E:		709.640,7871	709.636,3891	709.632,2965	709.628,3856	709.624,2474	
N:		7.090.750,2319	7.090.750,0852	7.090.749,9487	7.090.749,8182	7.090.749,6801	
Station: 2+10							
Dist. Eixo (m):		-8,290	-4,100	0,000	3,895	8,059	
Cota (m):		11,849	11,765		11,769	11,852	
E:		709.640,9154	709.636,7275	709.632,6300	709.628,7370	709.624,5755	
N:		7.090.740,2307	7.090.740,0909	7.090.739,9542	7.090.739,8243	7.090.739,6855	
Station: 3+0							
Dist. Eixo (m):		-8,259	-4,108	0,000	3,877	7,974	
Cota (m):		11,842	11,759		11,764	11,846	
E:		709.641,2178	709.637,0690	709.632,9634	709.629,0885	709.624,9939	
N:		7.090.730,2352	7.090.730,0968	7.090.729,9598	7.090.729,8305	7.090.729,6939	
Station: 3+10							
Dist. Eixo (m):		-8,302	-4,119	0,000	3,859	7,870	
Cota (m):		11,838	11,754		11,760	11,840	
E:		709.641,5939	709.637,4133	709.633,2969	709.629,4399	709.625,4317	
N:		7.090.720,2422	7.090.720,1027	7.090.719,9653	7.090.719,8366	7.090.719,7029	
Station: 4+0							
Dist. Eixo (m):		-8,344	-4,141	0,000	3,841	7,765	
Cota (m):		11,836	11,752		11,758	11,837	
E:		709.641,9701	709.637,7688	709.633,6303	709.629,7914	709.625,8694	
N:		7.090.710,2491	7.090.710,1090	7.090.709,9709	7.090.709,8428	7.090.709,7120	
Station: 4+10							
Dist. Eixo (m):		-5,652	-4,163	0,000	3,823	7,672	
Cota (m):		11,760	11,731		11,737	11,814	
E:		709.639,6126	709.638,1243	709.633,9638	709.630,1428	709.626,2957	
N:		7.090.700,1649	7.090.700,1153	7.090.699,9765	7.090.699,8490	7.090.699,7206	
Station: 5+0							
Dist. Eixo (m):		-5,665	-4,185	0,000	3,805	7,625	
Cota (m):		11,749	11,719		11,727	11,803	
E:		709.639,9594	709.638,4798	709.634,2973	709.630,4942	709.626,6766	
N:		7.090.690,1709	7.090.690,1216	7.090.689,9820	7.090.689,8551	7.090.689,7278	
Station: 5+10							
Dist. Eixo (m):		-5,630	-4,216	0,000	3,789	7,579	
Cota (m):		11,740	11,712		11,721	11,796	
E:		709.640,2571	709.638,8443	709.634,6307	709.630,8440	709.627,0555	

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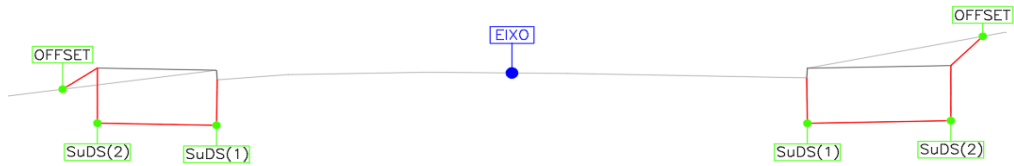
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
N:		7.090.680,1753	7.090.680,1282	7.090.679,9876	7.090.679,8612	7.090.679,7348	
Station: 6+0							
Dist. Eixo (m):		-5,646	-4,256	0,000	3,773	7,554	
Cota (m):		11,735	11,707		11,717	11,792	
E:		709.640,6075	709.639,2181	709.634,9642	709.631,1937	709.627,4139	
N:		7.090.670,1814	7.090.670,1351	7.090.669,9931	7.090.669,8673	7.090.669,7412	
Station: 6+10							
Dist. Eixo (m):		-5,713	-4,282	0,000	3,756	7,617	
Cota (m):		11,735	11,707		11,717	11,794	
E:		709.641,0071	709.639,5773	709.635,2976	709.631,5434	709.627,6845	
N:		7.090.660,1892	7.090.660,1415	7.090.659,9987	7.090.659,8734	7.090.659,7447	
Station: 7+0							
Dist. Eixo (m):		-5,793	-4,283	0,000	3,740	7,534	
Cota (m):		11,697	11,667		11,678	11,754	
E:		709.641,4209	709.639,9121	709.635,6311	709.631,8931	709.628,1018	
N:		7.090.650,1974	7.090.650,1471	7.090.650,0043	7.090.649,8795	7.090.649,7531	
Station: 7+10							
Dist. Eixo (m):		-5,873	-4,285	0,000	3,724	7,428	
Cota (m):		11,652	11,620		11,631	11,705	
E:		709.641,8348	709.640,2469	709.635,9645	709.632,2428	709.628,5410	
N:		7.090.640,2057	7.090.640,1527	7.090.640,0098	7.090.639,8857	7.090.639,7621	
Station: 8+0							
Dist. Eixo (m):		-5,954	-4,286	0,000	3,710	7,492	
Cota (m):		11,572	11,538		11,550	11,626	
E:		709.642,2486	709.640,5817	709.636,2980	709.632,5904	709.628,8099	
N:		7.090.630,2139	7.090.630,1583	7.090.630,0154	7.090.629,8917	7.090.629,7655	
Station: 8+10							
Dist. Eixo (m):		-8,239	-4,287	0,000	3,750	7,543	
Cota (m):		11,530	11,451		11,462	11,538	
E:		709.644,8654	709.640,9164	709.636,6315	709.632,8839	709.629,0928	
N:		7.090.620,2957	7.090.620,1639	7.090.620,0209	7.090.619,8959	7.090.619,7694	
Station: 9+0							
Dist. Eixo (m):		-8,255	-4,301	0,000	3,790	7,753	
Cota (m):		11,459	11,380		11,391	11,470	
E:		709.645,2154	709.641,2637	709.636,9649	709.633,1774	709.629,2161	
N:		7.090.610,3018	7.090.610,1699	7.090.610,0265	7.090.609,9001	7.090.609,7680	
Station: 9+10							
Dist. Eixo (m):		-8,272	-4,347	0,000	3,830	7,562	
Cota (m):		11,393	11,314		11,325	11,399	
E:		709.645,5654	709.641,6428	709.637,2984	709.633,4709	709.629,7410	
N:		7.090.600,3079	7.090.600,1770	7.090.600,0321	7.090.599,9044	7.090.599,7799	
Station: 10+0							
Dist. Eixo (m):		-8,288	-4,392	0,000	3,870	7,268	
Cota (m):		11,347	11,269		11,280	11,348	
E:		709.645,9154	709.642,0218	709.637,6318	709.633,7644	709.630,3677	
N:		7.090.590,3140	7.090.590,1841	7.090.590,0376	7.090.589,9086	7.090.589,7953	
Station: 10+10							
Dist. Eixo (m):		-8,305	-4,438	0,000	3,910	7,031	
Cota (m):		11,286	11,208		11,219	11,281	
E:		709.646,2653	709.642,4008	709.637,9653	709.634,0579	709.630,9381	
N:		7.090.580,3201	7.090.580,1912	7.090.580,0432	7.090.579,9128	7.090.579,8087	
Station: 11+0							
Dist. Eixo (m):		-8,321	-4,394	0,000	3,910	6,941	
Cota (m):		11,255	11,177		11,187	11,247	
E:		709.646,6153	709.642,6904	709.638,2988	709.634,3913	709.631,3612	
N:		7.090.570,3262	7.090.570,1953	7.090.570,0488	7.090.569,9184	7.090.569,8173	
Station: 11+10							
Dist. Eixo (m):		-8,322	-4,306	0,000	3,884	6,950	
Cota (m):		11,386	11,305		11,314	11,375	

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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
E:		709.646,9499	709.642,9359	709.638,6322	709.634,7499	709.631,6856	
N:		7.090.560,3318	7.090.560,1979	7.090.560,0543	7.090.559,9248	7.090.559,8225	

Station: 12+0							
Dist. Eixo (m):		-8,276	-4,347	0,000	3,859	6,787	
Cota (m):		11,508	11,430		11,439	11,498	
E:		709.647,2369	709.643,3103	709.638,9657	709.635,1085	709.632,1824	
N:		7.090.550,3358	7.090.550,2048	7.090.550,0599	7.090.549,9312	7.090.549,8336	

Station: 12+10							
Dist. Eixo (m):		-8,229	-4,399	0,000	3,834	6,931	
Cota (m):		11,602	11,526		11,537	11,599	
E:		709.647,5240	709.643,6959	709.639,2991	709.635,4671	709.632,3721	
N:		7.090.540,3399	7.090.540,2121	7.090.540,0654	7.090.539,9376	7.090.539,8343	

Station: 13+0							
Dist. Eixo (m):		-8,183	-4,354	0,000	3,809	7,075	
Cota (m):		11,694	11,618		11,629	11,694	
E:		709.647,8115	709.643,9842	709.639,6326	709.635,8257	709.632,5618	
N:		7.090.530,3439	7.090.530,2162	7.090.530,0710	7.090.529,9440	7.090.529,8351	

Station: 13+10							
Dist. Eixo (m):		-8,150	-4,304	0,000	3,814	7,199	
Cota (m):		11,776	11,699		11,709	11,777	
E:		709.648,1117	709.644,2681	709.639,9660	709.636,1541	709.632,7710	
N:		7.090.520,3483	7.090.520,2201	7.090.520,0766	7.090.519,9494	7.090.519,8365	

Station: 14+0							
Dist. Eixo (m):		-8,117	-4,255	0,000	3,832	7,248	
Cota (m):		11,760	11,683		11,691	11,760	
E:		709.648,4120	709.644,5521	709.640,2995	709.636,4692	709.633,0553	
N:		7.090.510,3528	7.090.510,2240	7.090.510,0821	7.090.509,9543	7.090.509,8404	

Station: 14+10							
Dist. Eixo (m):		-8,084	-4,211	0,000	3,851	7,297	
Cota (m):		11,691	11,614		11,621	11,690	
E:		709.648,7122	709.644,8418	709.640,6330	709.636,7843	709.633,3396	
N:		7.090.500,3572	7.090.500,2281	7.090.500,0877	7.090.499,9593	7.090.499,8443	

Station: 15+0							
Dist. Eixo (m):		-8,051	-4,173	0,000	3,869	7,388	
Cota (m):		11,610	11,532		11,539	11,609	
E:		709.649,0125	709.645,1367	709.640,9664	709.637,0993	709.633,5822	
N:		7.090.490,3617	7.090.490,2324	7.090.490,0932	7.090.489,9642	7.090.489,8469	

Station: 15+10							
Dist. Eixo (m):		-8,071	-4,134	0,000	3,888	7,493	
Cota (m):		11,526	11,447		11,452	11,524	
E:		709.649,3668	709.645,4315	709.641,2999	709.637,4144	709.633,8111	
N:		7.090.480,3680	7.090.480,2367	7.090.480,0988	7.090.479,9692	7.090.479,8489	

Station: 16+0							
Dist. Eixo (m):		-8,104	-4,103	0,000	3,906	7,590	
Cota (m):		11,454	11,374		11,378	11,451	
E:		709.649,7330	709.645,7338	709.641,6333	709.637,7295	709.634,0472	
N:		7.090.470,3746	7.090.470,2412	7.090.470,1044	7.090.469,9741	7.090.469,8513	

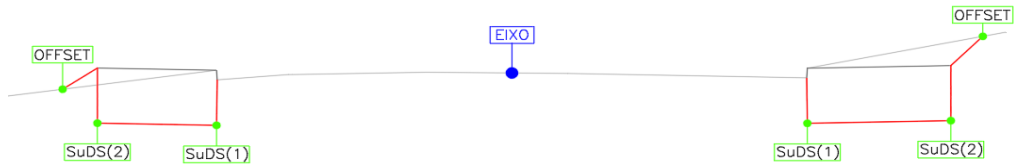
Station: 16+10							
Dist. Eixo (m):		-8,137	-4,156	0,000	3,915	7,649	
Cota (m):		11,361	11,282		11,287	11,361	
E:		709.650,0992	709.646,1208	709.641,9668	709.638,0536	709.634,3217	
N:		7.090.460,3813	7.090.460,2485	7.090.460,1099	7.090.459,9794	7.090.459,8549	

Station: 16+11							
Dist. Eixo (m):		-8,143	-4,544	0,000	3,913	7,660	
Cota (m):		11,339	11,267		11,304	11,340	
E:		709.650,1655	709.646,5690	709.642,0271	709.638,1165	709.634,3714	
N:		7.090.458,5726	7.090.458,4526	7.090.458,3011	7.090.458,1706	7.090.458,0456	

Station: 17+0							
Dist. Eixo (m):		-8,164	-4,210	0,000	3,907	7,708	

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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Cota (m):		11,254	11,175		11,181	11,257	
E:		709.650,4597	709.646,5077	709.642,3003	709.638,3955	709.634,5964	
N:		7.090.450,3877	7.090.450,2559	7.090.450,1155	7.090.449,9852	7.090.449,8585	

Station: 17+10

Dist. Eixo (m):		-8,173	-4,263	0,000	3,899	7,776	
Cota (m):		11,150	11,072		11,079	11,157	
E:		709.650,8017	709.646,8947	709.642,6337	709.638,7373	709.634,8617	
N:		7.090.440,3936	7.090.440,2632	7.090.440,1210	7.090.439,9911	7.090.439,8617	

Station: 18+0

Dist. Eixo (m):		-8,181	-4,317	0,000	3,890	7,742	
Cota (m):		11,114	11,037		11,045	11,122	
E:		709.651,1438	709.647,2816	709.642,9672	709.639,0792	709.635,2298	
N:		7.090.430,3994	7.090.430,2706	7.090.430,1266	7.090.429,9969	7.090.429,8685	

Station: 18+10

Dist. Eixo (m):		-8,378	-4,339	0,000	3,882	7,711	
Cota (m):		11,074	10,993		11,002	11,079	
E:		709.651,6744	709.647,6368	709.643,3006	709.639,4211	709.635,5941	
N:		7.090.420,4116	7.090.420,2768	7.090.420,1322	7.090.420,0027	7.090.419,8750	

Station: 19+0

Dist. Eixo (m):		-8,368	-4,337	0,000	3,873	7,656	
Cota (m):		11,059	10,978		10,988	11,063	
E:		709.651,9976	709.647,9685	709.643,6341	709.639,7629	709.635,9825	
N:		7.090.410,4168	7.090.410,2823	7.090.410,1377	7.090.410,0086	7.090.409,8824	

Station: 19+10

Dist. Eixo (m):		-8,301	-4,335	0,000	3,865	7,537	
Cota (m):		11,062	10,983		10,992	11,066	
E:		709.652,2636	709.648,3002	709.643,9675	709.640,1048	709.636,4346	
N:		7.090.400,4201	7.090.400,2879	7.090.400,1433	7.090.400,0144	7.090.399,8920	

Station: 20+0

Dist. Eixo (m):		-8,231	-4,333	0,000	3,872	7,642	
Cota (m):		11,068	10,990		10,999	11,074	
E:		709.652,5276	709.648,6319	709.644,3010	709.640,4307	709.636,6632	
N:		7.090.390,4233	7.090.390,2934	7.090.390,1489	7.090.390,0197	7.090.389,8940	

Station: 20+10

Dist. Eixo (m):		-8,226	-4,332	0,000	3,885	7,827	
Cota (m):		11,072	10,994		11,003	11,082	
E:		709.652,8563	709.648,9636	709.644,6345	709.640,7515	709.636,8122	
N:		7.090.380,4287	7.090.380,2989	7.090.380,1544	7.090.380,0249	7.090.379,8934	

Station: 21+0

Dist. Eixo (m):		-8,153	-4,330	0,000	3,898	7,762	
Cota (m):		11,076	10,999		11,008	11,085	
E:		709.653,1168	709.649,2953	709.644,9679	709.641,0724	709.637,2099	
N:		7.090.370,4319	7.090.370,3044	7.090.370,1600	7.090.370,0300	7.090.369,9011	

Station: 21+10

Dist. Eixo (m):		-8,033	-4,328	0,000	3,910	7,703	
Cota (m):		11,071	10,997		11,005	11,081	
E:		709.653,3301	709.649,6270	709.645,3014	709.641,3933	709.637,6029	
N:		7.090.360,4334	7.090.360,3099	7.090.360,1655	7.090.360,0351	7.090.359,9087	

Station: 22+0

Dist. Eixo (m):		-7,992	-4,326	0,000	3,923	7,811	
Cota (m):		11,133	11,060		11,068	11,145	
E:		709.653,6226	709.649,9587	709.645,6348	709.641,7141	709.637,8284	
N:		7.090.350,4376	7.090.350,3154	7.090.350,1711	7.090.350,0403	7.090.349,9106	

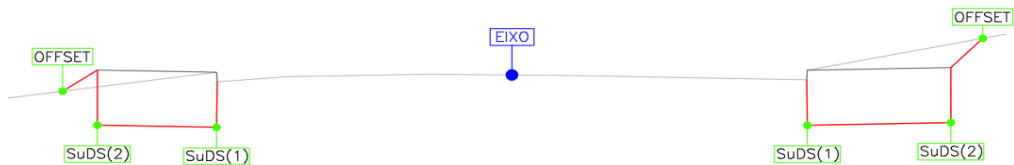
Station: 22+10

Dist. Eixo (m):		-7,996	-4,324	0,000	3,935	7,819	
Cota (m):		11,204	11,130		11,138	11,216	
E:		709.653,9600	709.650,2904	709.645,9683	709.642,0350	709.638,1539	
N:		7.090.340,4433	7.090.340,3209	7.090.340,1767	7.090.340,0454	7.090.339,9159	

Station: 23+0

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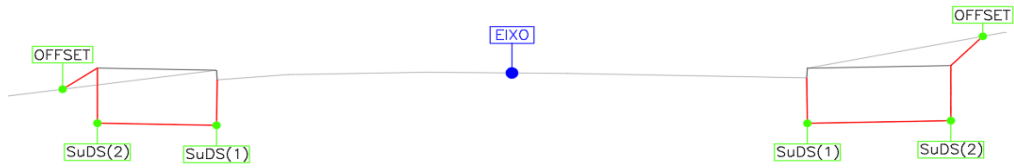
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Dist. Eixo (m):		-8,055	-4,323	0,000	3,948	7,760	
Cota (m):		11,276	11,201		11,209	11,285	
E:		709.654,3523	709.650,6221	709.646,3018	709.642,3559	709.638,5461	
N:		7.090.330,4508	7.090.330,3264	7.090.330,1822	7.090.330,0506	7.090.329,9235	
Station: 23+10							
Dist. Eixo (m):		-8,092	-4,321	0,000	3,961	7,790	
Cota (m):		11,334	11,259		11,266	11,343	
E:		709.654,7229	709.650,9537	709.646,6352	709.642,6768	709.638,8491	
N:		7.090.320,4576	7.090.320,3319	7.090.320,1878	7.090.320,0557	7.090.319,9280	
Station: 24+0							
Dist. Eixo (m):		-8,078	-4,319	0,000	3,973	7,854	
Cota (m):		11,299	11,224		11,231	11,308	
E:		709.655,0426	709.651,2854	709.646,9687	709.642,9976	709.639,1192	
N:		7.090.310,4627	7.090.310,3374	7.090.310,1933	7.090.310,0609	7.090.309,9315	
Station: 24+10							
Dist. Eixo (m):		-8,079	-4,309	0,000	3,986	7,802	
Cota (m):		11,264	11,189		11,195	11,271	
E:		709.655,3771	709.651,6087	709.647,3021	709.643,3185	709.639,5040	
N:		7.090.300,4683	7.090.300,3426	7.090.300,1989	7.090.300,0660	7.090.299,9387	
Station: 25+0							
Dist. Eixo (m):		-8,064	-4,227	0,000	3,998	7,796	
Cota (m):		11,170	11,094		11,098	11,174	
E:		709.655,6955	709.651,8604	709.647,6356	709.643,6394	709.639,8441	
N:		7.090.290,4734	7.090.290,3454	7.090.290,2045	7.090.290,0711	7.090.289,9445	
Station: 25+10							
Dist. Eixo (m):		-8,001	-4,145	0,000	3,977	7,884	
Cota (m):		11,073	10,996		10,999	11,077	
E:		709.655,9655	709.652,1121	709.647,9690	709.643,9946	709.640,0893	
N:		7.090.280,4768	7.090.280,3483	7.090.280,2100	7.090.280,0774	7.090.279,9471	
Station: 26+0							
Dist. Eixo (m):		-7,939	-4,562	0,000	3,928	7,947	
Cota (m):		10,976	10,909		10,922	11,002	
E:		709.656,2368	709.652,8615	709.648,3025	709.644,3763	709.640,3599	
N:		7.090.270,4803	7.090.270,3677	7.090.270,2156	7.090.270,0846	7.090.269,9506	
Station: 26+10							
Dist. Eixo (m):		-7,626	-6,436	0,000	5,010	8,846	
Cota (m):		10,823	10,800		10,828	10,905	
E:		709.656,2577	709.655,0684	709.648,6360	709.643,6287	709.639,7945	
N:		7.090.260,4754	7.090.260,4358	7.090.260,2212	7.090.260,0541	7.090.259,9262	
Station: 28+0							
Dist. Eixo (m):		-8,145	-4,865	0,000	4,055	7,355	
Cota (m):		10,828	10,762		10,778	10,844	
E:		709.657,7770	709.654,4989	709.649,6363	709.645,5839	709.642,2856	
N:		7.090.230,5094	7.090.230,4001	7.090.230,2378	7.090.230,1026	7.090.229,9926	
Station: 28+10							
Dist. Eixo (m):		-8,108	-4,734	0,000	4,038	7,256	
Cota (m):		10,892	10,824		10,838	10,903	
E:		709.658,0734	709.654,7014	709.649,9698	709.645,9338	709.642,7175	
N:		7.090.220,5138	7.090.220,4013	7.090.220,2434	7.090.220,1087	7.090.220,0014	
Station: 29+0							
Dist. Eixo (m):		-8,065	-5,010	0,000	4,022	7,175	
Cota (m):		10,959	10,898		10,918	10,981	
E:		709.658,3640	709.655,3105	709.650,3032	709.646,2838	709.643,1327	
N:		7.090.210,5179	7.090.210,4160	7.090.210,2490	7.090.210,1149	7.090.210,0097	
Station: 29+10							
Dist. Eixo (m):		-8,020	-5,010	0,000	4,008	5,979	
Cota (m):		11,019	10,959		10,979	11,019	
E:		709.658,6522	709.655,6439	709.650,6367	709.646,6306	709.644,6612	
N:		7.090.200,5220	7.090.200,4216	7.090.200,2545	7.090.200,1209	7.090.200,0551	

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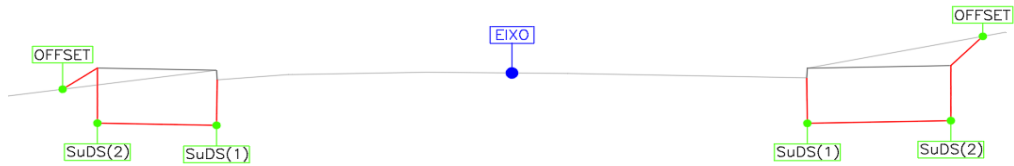
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Station: 30+0							
Dist. Eixo (m):		-7,975	-5,010	0,000	4,031	5,951	
Cota (m):		11,096	11,036		11,056	11,094	
E:		709.658,9404	709.655,9774	709.650,9702	709.646,9411	709.645,0229	
N:		7.090.190,5260	7.090.190,4271	7.090.190,2601	7.090.190,1257	7.090.190,0617	
Station: 30+10							
Dist. Eixo (m):				0,000	4,054	5,879	
Cota (m):					11,120	11,156	
E:				709.651,3036	709.647,2517	709.645,4278	
N:				7.090.180,2656	7.090.180,1305	7.090.180,0696	
Station: 31+0							
Dist. Eixo (m):				0,000	3,974	5,918	
Cota (m):					11,148	11,187	
E:				709.651,6371	709.647,6656	709.645,7220	
N:				7.090.170,2712	7.090.170,1387	7.090.170,0738	
Station: 31+10							
Dist. Eixo (m):		-7,980	-4,079	0,000	4,071	7,228	
Cota (m):		11,244	11,166		11,166	11,229	
E:		709.659,9459	709.656,0471	709.651,9705	709.647,9020	709.644,7467	
N:		7.090.160,5429	7.090.160,4128	7.090.160,2768	7.090.160,1410	7.090.160,0357	
Station: 32+0							
Dist. Eixo (m):		-7,928	-4,026	0,000	4,126	7,641	
Cota (m):		11,241	11,163		11,161	11,231	
E:		709.660,2272	709.656,3275	709.652,3040	709.648,1804	709.644,6677	
N:		7.090.150,5467	7.090.150,4166	7.090.150,2823	7.090.150,1447	7.090.150,0275	
Station: 32+10							
Dist. Eixo (m):		-7,875	-3,973	0,000	4,162	7,588	
Cota (m):		11,246	11,168		11,164	11,233	
E:		709.660,5085	709.656,6080	709.652,6375	709.648,4779	709.645,0535	
N:		7.090.140,5505	7.090.140,4204	7.090.140,2879	7.090.140,1491	7.090.140,0349	
Station: 33+0							
Dist. Eixo (m):		-7,823	-3,920	0,000	4,198	7,916	
Cota (m):		11,304	11,226		11,220	11,295	
E:		709.660,7897	709.656,8885	709.652,9709	709.648,7755	709.645,0597	
N:		7.090.130,5543	7.090.130,4242	7.090.130,2934	7.090.130,1535	7.090.130,0295	
Station: 33+10							
Dist. Eixo (m):		-7,771	-3,867	0,000	4,234	8,042	
Cota (m):		11,357	11,279		11,272	11,348	
E:		709.661,0710	709.657,1690	709.653,3044	709.649,0730	709.645,2672	
N:		7.090.120,5581	7.090.120,4280	7.090.120,2990	7.090.120,1578	7.090.120,0309	
Station: 34+0							
Dist. Eixo (m):		-7,719	-3,814	0,000	5,010	8,014	
Cota (m):		11,378	11,300		11,276	11,337	
E:		709.661,3523	709.657,4495	709.653,6378	709.648,6306	709.645,6287	
N:		7.090.110,5620	7.090.110,4317	7.090.110,3046	7.090.110,1375	7.090.110,0374	
Station: 34+10							
Dist. Eixo (m):				0,000	4,230	8,037	
Cota (m):					11,348	11,424	
E:				709.653,9713	709.649,7439	709.645,9392	
N:				7.090.100,3101	7.090.100,1691	7.090.100,0421	
Station: 35+0							
Dist. Eixo (m):				0,000	4,227	8,060	
Cota (m):					11,463	11,540	
E:				709.654,3047	709.650,0801	709.646,2497	
N:				7.090.090,3157	7.090.090,1747	7.090.090,0469	
Station: 35+10							
Dist. Eixo (m):		-7,038	-3,949	0,000	4,234	8,083	
Cota (m):		11,609	11,547		11,541	11,618	
E:		709.661,6719	709.658,5846	709.654,6382	709.650,4063	709.646,5602	

PREFEITURA MUNICIPAL DE JOINVILLE
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RUA BENTO TORQUATO DA ROCHA

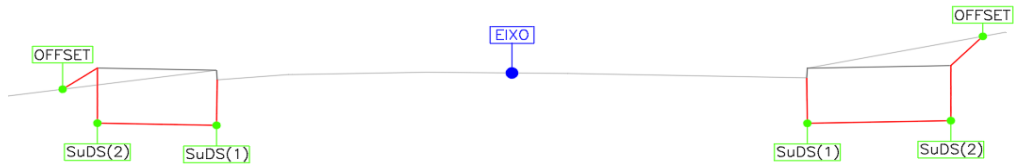
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
N:		7.090.080,5559	7.090.080,4529	7.090.080,3213	7.090.080,1801	7.090.080,0517	
Station: 36+0							
Dist. Eixo (m):		-7,163	-3,957	0,000	4,241	8,106	
Cota (m):		11,569	11,505		11,499	11,577	
E:		709.662,1302	709.658,9263	709.654,9717	709.650,7326	709.646,8706	
N:		7.090.070,5657	7.090.070,4588	7.090.070,3268	7.090.070,1854	7.090.070,0565	
Station: 36+10							
Dist. Eixo (m):		-7,287	-3,965	0,000	4,249	8,079	
Cota (m):		11,600	11,534		11,528	11,605	
E:		709.662,5885	709.659,2681	709.655,3051	709.651,0588	709.647,2304	
N:		7.090.060,5754	7.090.060,4646	7.090.060,3324	7.090.060,1907	7.090.060,0630	
Station: 37+0							
Dist. Eixo (m):		-7,412	-3,973	0,000	4,246	8,017	
Cota (m):		11,607	11,538		11,533	11,608	
E:		709.663,0468	709.659,6098	709.655,6386	709.651,3952	709.647,6261	
N:		7.090.050,5851	7.090.050,4704	7.090.050,3379	7.090.050,1964	7.090.050,0706	
Station: 37+10							
Dist. Eixo (m):		-7,586	-3,982	0,000	4,213	7,955	
Cota (m):		11,628	11,556		11,552	11,626	
E:		709.663,5541	709.659,9515	709.655,9720	709.651,7617	709.648,0218	
N:		7.090.040,5965	7.090.040,4763	7.090.040,3435	7.090.040,2030	7.090.040,0782	
Station: 38+0							
Dist. Eixo (m):				0,000	4,180	7,926	
Cota (m):					11,577	11,652	
E:				709.656,3055	709.652,1282	709.648,3840	
N:				7.090.030,3491	7.090.030,2097	7.090.030,0848	
Station: 38+10							
Dist. Eixo (m):				0,000	4,147	7,971	
Cota (m):					11,599	11,675	
E:				709.656,6390	709.652,4947	709.648,6725	
N:				7.090.020,3546	7.090.020,2164	7.090.020,0888	
Station: 39+0							
Dist. Eixo (m):				0,000	4,113	7,984	
Cota (m):					11,627	11,705	
E:				709.656,9724	709.652,8612	709.648,9933	
N:				7.090.010,3602	7.090.010,2230	7.090.010,0940	
Station: 39+10							
Dist. Eixo (m):		-7,776	-4,016	0,000	4,080	8,009	
Cota (m):		11,714	11,639		11,638	11,716	
E:		709.665,0776	709.661,3194	709.657,3059	709.653,2277	709.649,3018	
N:		7.090.000,6250	7.090.000,4997	7.090.000,3657	7.090.000,2297	7.090.000,0987	
Station: 40+0							
Dist. Eixo (m):		-7,826	-4,018	0,000	4,047	8,058	
Cota (m):		11,727	11,651		11,651	11,731	
E:		709.665,4611	709.661,6554	709.657,6393	709.653,5942	709.649,5862	
N:		7.089.990,6323	7.089.990,5053	7.089.990,3713	7.089.990,2363	7.089.990,1026	
Station: 40+10							
Dist. Eixo (m):		-7,876	-4,021	0,000	4,014	8,188	
Cota (m):		11,733	11,656		11,656	11,739	
E:		709.665,8444	709.661,9915	709.657,9728	709.653,9607	709.649,7895	
N:		7.089.980,6395	7.089.980,5109	7.089.980,3769	7.089.980,2430	7.089.980,1038	
Station: 41+0							
Dist. Eixo (m):		-7,941	-4,023	0,000	4,021	8,181	
Cota (m):		11,727	11,649		11,649	11,732	
E:		709.666,2430	709.662,3275	709.658,3062	709.654,2875	709.650,1296	
N:		7.089.970,6472	7.089.970,5166	7.089.970,3824	7.089.970,2483	7.089.970,1096	
Station: 41+10							
Dist. Eixo (m):		-8,030	-4,026	0,000	4,029	5,256	
Cota (m):		11,713	11,633		11,633	11,657	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
E:		709.666,6652	709.662,6635	709.658,6397	709.654,6129	709.653,3864	
N:		7.089.960,6558	7.089.960,5222	7.089.960,3880	7.089.960,2536	7.089.960,2127	

Station: 43+0

Dist. Eixo (m):		-7,860	-3,826	0,000	4,012	7,784	
Cota (m):		11,387	11,307		11,303	11,378	
E:		709.667,4887	709.663,4570	709.659,6328	709.655,6229	709.651,8527	
N:		7.089.930,6476	7.089.930,5228	7.089.930,4044	7.089.930,2803	7.089.930,1637	

Station: 43+10

Dist. Eixo (m):		-7,887	-3,899	0,000	4,018	7,922	
Cota (m):		11,271	11,192		11,189	11,267	
E:		709.667,8250	709.663,8397	709.659,9422	709.655,9260	709.652,0238	
N:		7.089.920,6532	7.089.920,5299	7.089.920,4092	7.089.920,2849	7.089.920,1642	

Station: 44+0

Dist. Eixo (m):		-7,936	-3,973	0,000	4,024	7,834	
Cota (m):		11,155	11,076		11,075	11,151	
E:		709.668,1835	709.664,2225	709.660,2515	709.656,2291	709.652,4216	
N:		7.089.910,6595	7.089.910,5369	7.089.910,4140	7.089.910,2895	7.089.910,1717	

Station: 44+10

Dist. Eixo (m):		-7,982	-4,046	0,000	4,031	7,658	
Cota (m):		11,166	11,087		11,087	11,160	
E:		709.668,5392	709.664,6052	709.660,5609	709.656,5322	709.652,9064	
N:		7.089.900,6657	7.089.900,5440	7.089.900,4188	7.089.900,2941	7.089.900,1819	

Station: 45+0

Dist. Eixo (m):		-8,046	-4,120	0,000	4,037	7,528	
Cota (m):		11,184	11,105		11,107	11,177	
E:		709.668,9127	709.664,9879	709.660,8702	709.656,8349	709.653,3455	
N:		7.089.890,6725	7.089.890,5510	7.089.890,4236	7.089.890,2987	7.089.890,1907	

Station: 45+10

Dist. Eixo (m):				0,000	4,044	7,505	
Cota (m):					11,042	11,112	
E:				709.661,1795	709.657,1373	709.653,6779	
N:				7.089.880,4284	7.089.880,3033	7.089.880,1962	

Station: 46+0

Dist. Eixo (m):				0,000	4,051	7,481	
Cota (m):					11,490	11,068	
E:				709.661,4889	709.657,4398	709.654,0117	
N:				7.089.870,4332	7.089.870,3078	7.089.870,2017	

Station: 46+10

Dist. Eixo (m):				0,000	4,047	7,472	
Cota (m):					10,999	11,068	
E:				709.661,7982	709.657,7534	709.654,3299	
N:				7.089.860,4379	7.089.860,3128	7.089.860,2068	

Station: 47+0

Dist. Eixo (m):		-8,580	-4,704	0,000	4,006	7,528	
Cota (m):		11,014	10,937		10,951	11,021	
E:		709.670,6834	709.666,8097	709.662,1075	709.658,1033	709.654,5828	
N:		7.089.850,7081	7.089.850,5883	7.089.850,4427	7.089.850,3188	7.089.850,2098	

Station: 47+10

Dist. Eixo (m):		-8,441	-4,430	0,000	3,966	7,605	
Cota (m):		11,047	10,967		10,976	11,049	
E:		709.670,8540	709.666,8448	709.662,4169	709.658,4532	709.654,8153	
N:		7.089.840,7086	7.089.840,5845	7.089.840,4475	7.089.840,3248	7.089.840,2123	

Station: 48+0

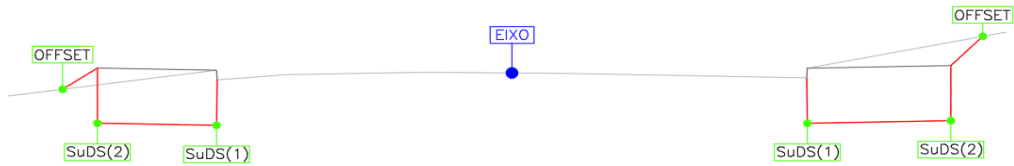
Dist. Eixo (m):		-8,302	-4,181	0,000	3,925	7,659	
Cota (m):		11,050	10,968		10,973	11,048	
E:		709.671,0245	709.666,9052	709.662,7262	709.658,8031	709.655,0708	
N:		7.089.830,7091	7.089.830,5816	7.089.830,4523	7.089.830,3309	7.089.830,2154	

Station: 48+10

Dist. Eixo (m):		-8,163	-4,169	0,000	3,873	7,628	
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PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA BENTO TORQUATO DA ROCHA

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Cota (m):		10,982	10,902		10,908	10,983	
E:		709.671,1951	709.667,2023	709.663,0355	709.659,1639	709.655,4107	
N:		7.089.820,7096	7.089.820,5860	7.089.820,4571	7.089.820,3373	7.089.820,2211	

Station: 49+0

Dist. Eixo (m):		-8,261	-4,156	0,000	3,764	7,553	
Cota (m):		10,900	10,818		10,826	10,901	
E:		709.671,6021	709.667,4993	709.663,3449	709.659,5827	709.655,7953	
N:		7.089.810,7174	7.089.810,5904	7.089.810,4619	7.089.810,3454	7.089.810,2282	

Station: 49+10

Dist. Eixo (m):				0,000	3,741	7,573	
Cota (m):					10,802	10,879	
E:				709.663,6542	709.659,9148	709.656,0852	
N:				7.089.800,4667	7.089.800,3509	7.089.800,2324	

Station: 50+0

Dist. Eixo (m):				0,000	3,724	7,625	
Cota (m):					10,784	10,862	
E:				709.663,9635	709.660,2415	709.656,3422	
N:				7.089.790,4714	7.089.790,3562	7.089.790,2356	

Station: 50+10

Dist. Eixo (m):		-8,420	-5,010	0,000	3,717	7,608	
Cota (m):		10,807	10,739		10,765	10,843	
E:		709.672,6887	709.669,2805	709.664,2729	709.660,5572	709.656,6683	
N:		7.089.780,7367	7.089.780,6312	7.089.780,4762	7.089.780,3612	7.089.780,2409	

Station: 51+0

Dist. Eixo (m):		-8,130	-4,223	0,000	3,714	7,591	
Cota (m):		10,807	10,729		10,739	10,817	
E:		709.672,7082	709.668,8031	709.664,5822	709.660,8698	709.656,9943	
N:		7.089.770,7325	7.089.770,6116	7.089.770,4810	7.089.770,3661	7.089.770,2462	

Station: 51+10

Dist. Eixo (m):		-8,124	-4,124	0,000	3,711	7,463	
Cota (m):		10,806	10,726		10,734	10,809	
E:		709.673,0114	709.669,0141	709.664,8915	709.661,1821	709.657,4317	
N:		7.089.760,7371	7.089.760,6134	7.089.760,4858	7.089.760,3710	7.089.760,2549	

Station: 52+0

Dist. Eixo (m):		-8,072	-4,021	0,000	3,708	7,299	
Cota (m):		10,801	10,720		10,726	10,798	
E:		709.673,2693	709.669,2202	709.665,2009	709.661,4944	709.657,9053	
N:		7.089.750,7403	7.089.750,6150	7.089.750,4906	7.089.750,3759	7.089.750,2648	

Station: 52+10

Dist. Eixo (m):		-7,973	-3,918	0,000	3,705	7,246	
Cota (m):		10,784	10,703		10,707	10,778	
E:		709.673,4793	709.669,4264	709.665,5102	709.661,8067	709.658,2680	
N:		7.089.740,7420	7.089.740,6166	7.089.740,4954	7.089.740,3807	7.089.740,2712	

Station: 53+0

Dist. Eixo (m):				0,000	5,010	7,241	
Cota (m):					10,367	10,412	
E:				709.665,8196	709.660,8119	709.658,5823	
N:				7.089.730,5002	7.089.730,3452	7.089.730,2762	

Station: 53+10

Dist. Eixo (m):				0,000	5,010	7,236	
Cota (m):					10,349	10,394	
E:				709.666,1289	709.661,1213	709.658,8966	
N:				7.089.720,5049	7.089.720,3500	7.089.720,2811	

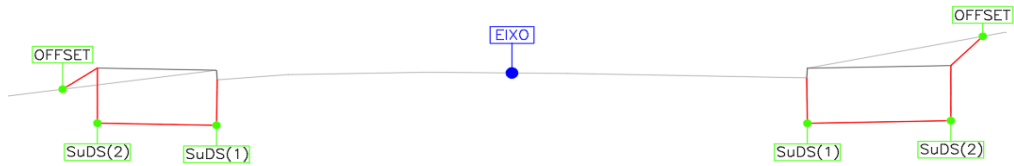
Station: 54+0

Dist. Eixo (m):				0,000	3,786	7,184	
Cota (m):					10,342	10,410	
E:				709.666,4382	709.662,6542	709.659,2576	
N:				7.089.710,5097	7.089.710,3926	7.089.710,2875	

Station: 54+10

PREFEITURA MUNICIPAL DE JOINVILLE
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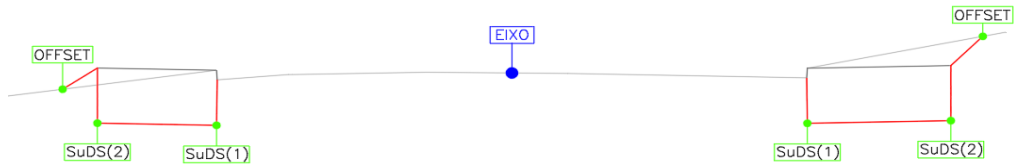
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Dist. Eixo (m):		-8,061	-4,299	0,000	3,694	7,794	
Cota (m):		10,329	10,254		10,266	10,348	
E:		709.674,8049	709.671,0443	709.666,7476	709.663,0558	709.658,9568	
N:		7.089.700,7639	7.089.700,6475	7.089.700,5145	7.089.700,4003	7.089.700,2734	
Station: 55+0							
Dist. Eixo (m):		-8,022	-4,325	0,000	3,691	7,611	
Cota (m):		10,266	10,193		10,205	10,284	
E:		709.675,0747	709.671,3802	709.667,0569	709.663,3681	709.659,4494	
N:		7.089.690,7674	7.089.690,6531	7.089.690,5193	7.089.690,4051	7.089.690,2839	
Station: 55+10							
Dist. Eixo (m):		-8,093	-4,311	0,000	3,688	7,853	
Cota (m):		10,276	10,201		10,213	10,297	
E:		709.675,4555	709.671,6748	709.667,3662	709.663,6804	709.659,5169	
N:		7.089.680,7744	7.089.680,6574	7.089.680,5241	7.089.680,4100	7.089.680,2812	
Station: 56+0							
Dist. Eixo (m):		-8,358	-5,010	0,000	3,685	8,168	
Cota (m):		10,263	10,196		10,223	10,312	
E:		709.676,0296	709.672,6832	709.667,6756	709.663,9927	709.659,5117	
N:		7.089.670,7874	7.089.670,6838	7.089.670,5289	7.089.670,4149	7.089.670,2762	
Station: 56+10							
Dist. Eixo (m):		-8,357	-5,010	0,000	3,682	7,985	
Cota (m):		10,292	10,225		10,252	10,338	
E:		709.676,3381	709.672,9925	709.667,9849	709.664,3050	709.660,0033	
N:		7.089.660,7922	7.089.660,6886	7.089.660,5337	7.089.660,4198	7.089.660,2866	
Station: 57+0							
Dist. Eixo (m):				0,000	3,624	7,572	
Cota (m):					10,263	10,341	
E:				709.668,2942	709.664,6722	709.660,7262	
N:				7.089.650,5384	7.089.650,4263	7.089.650,3042	
Station: 57+10							
Dist. Eixo (m):				0,000	3,518	7,588	
Cota (m):					10,257	10,339	
E:				709.668,6036	709.665,0871	709.661,0189	
N:				7.089.640,5432	7.089.640,4344	7.089.640,3085	
Station: 58+0							
Dist. Eixo (m):				0,000	3,668	7,622	
Cota (m):					10,218	10,297	
E:				709.668,9129	709.665,2470	709.661,2943	
N:				7.089.630,5480	7.089.630,4346	7.089.630,3122	
Station: 58+10							
Dist. Eixo (m):		-8,092	-4,396	0,000	3,721	7,693	
Cota (m):		10,212	10,138		10,152	10,231	
E:		709.677,3100	709.673,6158	709.669,2222	709.665,5029	709.661,5327	
N:		7.089.620,8031	7.089.620,6888	7.089.620,5528	7.089.620,4377	7.089.620,3148	
Station: 59+0							
Dist. Eixo (m):		-8,087	-4,379	0,000	3,742	7,768	
Cota (m):		10,224	10,150		10,162	10,243	
E:		709.677,6150	709.673,9086	709.669,5316	709.665,7911	709.661,7676	
N:		7.089.610,8077	7.089.610,6930	7.089.610,5576	7.089.610,4418	7.089.610,3173	
Station: 59+10							
Dist. Eixo (m):		-8,083	-4,363	0,000	3,763	7,789	
Cota (m):		10,236	10,161		10,173	10,254	
E:		709.677,9200	709.674,2014	709.669,8409	709.666,0793	709.662,0561	
N:		7.089.600,8124	7.089.600,6973	7.089.600,5624	7.089.600,4460	7.089.600,3214	
Station: 60+0							
Dist. Eixo (m):		-8,079	-4,346	0,000	3,785	7,809	
Cota (m):		10,293	10,218		10,230	10,310	
E:		709.678,2252	709.674,4942	709.670,1502	709.666,3675	709.662,3445	
N:		7.089.590,8171	7.089.590,7016	7.089.590,5672	7.089.590,4501	7.089.590,3256	

PREFEITURA MUNICIPAL DE JOINVILLE
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NOTA DE SERVIÇO
RUA BENTO TORQUATO DA ROCHA

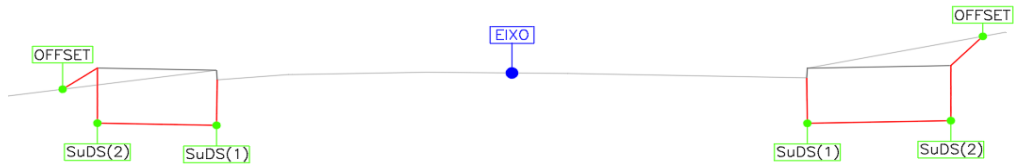
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Station: 60+10							
Dist. Eixo (m):		-8,085	-4,329	0,000	3,828	7,842	
Cota (m):		10,341	10,266		10,276	10,356	
E:		709.678,5407	709.674,7870	709.670,4596	709.666,6333	709.662,6213	
N:		7.089.580,8220	7.089.580,7059	7.089.580,5719	7.089.580,4535	7.089.580,3294	
Station: 62+0							
Dist. Eixo (m):		-8,079	-4,280	0,000	5,010	7,761	
Cota (m):		10,551	10,475		10,460	10,515	
E:		709.679,4630	709.675,6654	709.671,3876	709.666,3800	709.663,6299	
N:		7.089.550,8362	7.089.550,7187	7.089.550,5863	7.089.550,4313	7.089.550,3462	
Station: 62+10							
Dist. Eixo (m):		-7,959	-4,239	0,000	3,733	7,716	
Cota (m):		10,489	10,414		10,424	10,504	
E:		709.679,6526	709.675,9338	709.671,6969	709.667,9657	709.663,9844	
N:		7.089.540,8373	7.089.540,7222	7.089.540,5911	7.089.540,4756	7.089.540,3524	
Station: 63+0							
Dist. Eixo (m):		-7,925	-4,190	0,000	3,734	7,671	
Cota (m):		10,435	10,360		10,369	10,448	
E:		709.679,9275	709.676,1947	709.672,0063	709.668,2744	709.664,3389	
N:		7.089.530,8410	7.089.530,7255	7.089.530,5959	7.089.530,4804	7.089.530,3586	
Station: 63+10							
Dist. Eixo (m):		-7,947	-4,142	0,000	3,734	7,671	
Cota (m):		10,382	10,306		10,314	10,393	
E:		709.680,2588	709.676,4556	709.672,3156	709.668,5832	709.664,6488	
N:		7.089.520,8465	7.089.520,7288	7.089.520,6006	7.089.520,4851	7.089.520,3634	
Station: 64+0							
Dist. Eixo (m):		-8,038	-4,093	0,000	3,735	7,742	
Cota (m):		10,330	10,251		10,259	10,339	
E:		709.680,6587	709.676,7165	709.672,6249	709.668,8920	709.664,8867	
N:		7.089.510,8541	7.089.510,7321	7.089.510,6054	7.089.510,4899	7.089.510,3660	
Station: 64+10							
Dist. Eixo (m):				0,000	3,748	7,854	
Cota (m):					10,234	10,316	
E:				709.672,9343	709.669,1884	709.665,0844	
N:				7.089.500,6102	7.089.500,4943	7.089.500,3673	
Station: 65+0							
Dist. Eixo (m):				0,000	3,763	7,851	
Cota (m):					10,214	10,295	
E:				709.673,2436	709.669,4826	709.665,3965	
N:				7.089.490,6150	7.089.490,4986	7.089.490,3722	
Station: 65+10							
Dist. Eixo (m):				0,000	3,752	7,840	
Cota (m):					10,168	10,249	
E:				709.673,5529	709.669,8030	709.665,7171	
N:				7.089.480,6198	7.089.480,5037	7.089.480,3773	
Station: 66+0							
Dist. Eixo (m):		-7,969	-4,217	0,000	3,740	7,820	
Cota (m):		10,184	10,109		10,119	10,200	
E:		709.681,8273	709.678,0770	709.673,8623	709.670,1245	709.666,0464	
N:		7.089.470,8711	7.089.470,7550	7.089.470,6246	7.089.470,5089	7.089.470,3827	
Station: 66+10							
Dist. Eixo (m):		-8,175	-4,222	0,000	3,744	7,800	
Cota (m):		10,182	10,103		10,113	10,194	
E:		709.682,3424	709.678,3918	709.674,1716	709.670,4292	709.666,3757	
N:		7.089.460,8822	7.089.460,7600	7.089.460,6294	7.089.460,5135	7.089.460,3881	
Station: 67+0							
Dist. Eixo (m):		-8,224	-4,228	0,000	3,749	7,780	
Cota (m):		10,178	10,098		10,107	10,188	
E:		709.682,7013	709.678,7067	709.674,4809	709.670,7339	709.666,7050	

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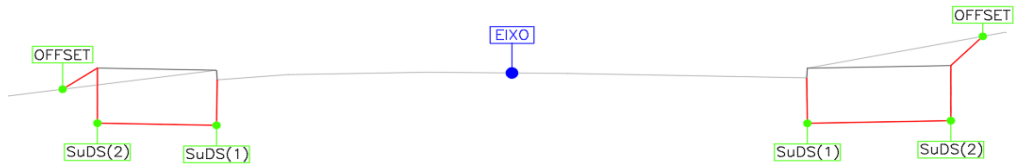
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
N:		7.089.450,8886	7.089.450,7649	7.089.450,6341	7.089.450,5182	7.089.450,3935	
Station: 67+10							
Dist. Eixo (m):		-8,164	-4,233	0,000	3,754	7,741	
Cota (m):		10,192	10,114		10,123	10,203	
E:		709.682,9504	709.679,0215	709.674,7903	709.671,0386	709.667,0535	
N:		7.089.440,8915	7.089.440,7699	7.089.440,6389	7.089.440,5228	7.089.440,3995	
Station: 68+0							
Dist. Eixo (m):		-8,150	-4,239	0,000	3,758	7,715	
Cota (m):		10,208	10,130		10,139	10,219	
E:		709.683,2456	709.679,3364	709.675,0996	709.671,3433	709.667,3879	
N:		7.089.430,8958	7.089.430,7748	7.089.430,6437	7.089.430,5275	7.089.430,4051	
Station: 68+10							
Dist. Eixo (m):				0,000	3,783	7,706	
Cota (m):					10,089	10,168	
E:				709.675,4089	709.671,6277	709.667,7066	
N:				7.089.420,6485	7.089.420,5315	7.089.420,4101	
Station: 69+0							
Dist. Eixo (m):				0,000	3,798	7,697	
Cota (m):					10,032	10,110	
E:				709.675,7183	709.671,9219	709.668,0254	
N:				7.089.410,6533	7.089.410,5358	7.089.410,4152	
Station: 69+10							
Dist. Eixo (m):		-5,393	-4,203	0,000	3,775	7,687	
Cota (m):		9,982	9,958		9,966	10,045	
E:		709.681,4176	709.680,2281	709.676,0276	709.672,2548	709.668,3442	
N:		7.089.400,8249	7.089.400,7881	7.089.400,6581	7.089.400,5413	7.089.400,4203	
Station: 70+0							
Dist. Eixo (m):		-7,792	-4,193	0,000	3,785	7,746	
Cota (m):		10,056	9,984		9,992	10,071	
E:		709.684,1250	709.680,5279	709.676,3370	709.672,5533	709.668,5948	
N:		7.089.390,9039	7.089.390,7926	7.089.390,6629	7.089.390,5458	7.089.390,4233	
Station: 70+10							
Dist. Eixo (m):		-7,877	-4,185	0,000	3,811	7,796	
Cota (m):		10,123	10,049		10,057	10,137	
E:		709.684,5191	709.680,8290	709.676,6463	709.672,8373	709.668,8538	
N:		7.089.380,9113	7.089.380,7971	7.089.380,6676	7.089.380,5498	7.089.380,4265	
Station: 71+0							
Dist. Eixo (m):		-8,003	-4,177	0,000	3,836	7,830	
Cota (m):		10,192	10,115		10,122	10,202	
E:		709.684,9546	709.681,1302	709.676,9556	709.673,1214	709.669,1289	
N:		7.089.370,9200	7.089.370,8016	7.089.370,6724	7.089.370,5538	7.089.370,4302	
Station: 71+10							
Dist. Eixo (m):		-8,129	-4,168	0,000	3,861	7,880	
Cota (m):		10,260	10,181		10,187	10,267	
E:		709.685,3901	709.681,4313	709.677,2650	709.673,4055	709.669,3885	
N:		7.089.360,9287	7.089.360,8062	7.089.360,6772	7.089.360,5578	7.089.360,4335	
Station: 72+0							
Dist. Eixo (m):		-8,255	-4,158	0,000	3,872	7,929	
Cota (m):		10,330	10,248		10,254	10,335	
E:		709.685,8256	709.681,7305	709.677,5743	709.673,7046	709.669,6489	
N:		7.089.350,9374	7.089.350,8106	7.089.350,6820	7.089.350,5622	7.089.350,4367	
Station: 72+10							
Dist. Eixo (m):				0,000	3,813	7,975	
Cota (m):					10,328	10,412	
E:				709.677,8836	709.674,0723	709.669,9123	
N:				7.089.340,6868	7.089.340,5688	7.089.340,4401	
Station: 73+0							
Dist. Eixo (m):				0,000	3,831	7,991	
Cota (m):					10,318	10,402	

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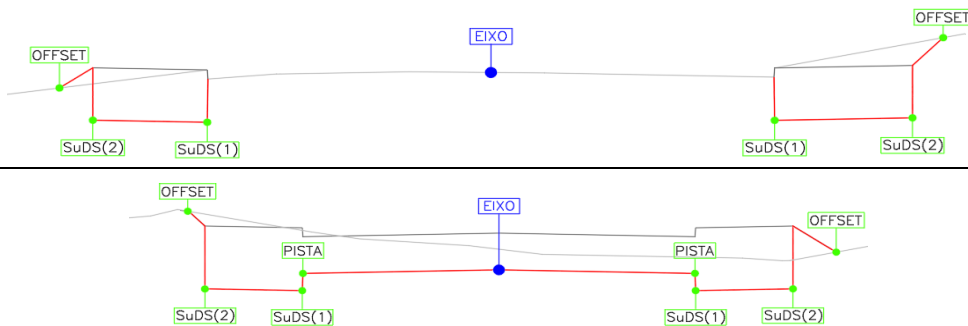
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
E:				709.678,1930	709.674,3634	709.670,2057	
N:				7.089.330,6916	7.089.330,5731	7.089.330,4444	
Station: 73+10							
Dist. Eixo (m):		-7,795	-4,136	0,000	3,856	7,977	
Cota (m):		10,334	10,261		10,266	10,349	
E:		709.686,2932	709.682,6360	709.678,5023	709.674,6477	709.670,5289	
N:		7.089.320,9375	7.089.320,8243	7.089.320,6964	7.089.320,5771	7.089.320,4496	
Station: 74+0							
Dist. Eixo (m):		-7,810	-4,143	0,000	3,864	7,957	
Cota (m):		10,254	10,181		10,186	10,268	
E:		709.686,6177	709.682,9526	709.678,8116	709.674,9495	709.670,8586	
N:		7.089.310,9427	7.089.310,8293	7.089.310,7011	7.089.310,5816	7.089.310,4550	
Station: 74+10							
Dist. Eixo (m):		-7,819	-4,150	0,000	3,871	7,906	
Cota (m):		10,165	10,091		10,097	10,177	
E:		709.686,9359	709.683,2692	709.679,1210	709.675,2514	709.671,2190	
N:		7.089.300,9478	7.089.300,8343	7.089.300,7059	7.089.300,5862	7.089.300,4614	
Station: 75+0							
Dist. Eixo (m):		-7,814	-4,157	0,000	3,879	7,923	
Cota (m):		10,081	10,008		10,014	10,094	
E:		709.687,2410	709.683,5857	709.679,4303	709.675,5533	709.671,5111	
N:		7.089.290,9524	7.089.290,8393	7.089.290,7107	7.089.290,5907	7.089.290,4656	
Station: 75+10							
Dist. Eixo (m):		-7,810	-4,165	0,000	3,886	7,868	
Cota (m):		10,045	9,972		9,977	10,057	
E:		709.687,5461	709.683,9023	709.679,7396	709.675,8551	709.671,8751	
N:		7.089.280,9571	7.089.280,8443	7.089.280,7155	7.089.280,5953	7.089.280,4721	
Station: 76+0							
Dist. Eixo (m):		-7,806	-4,172	0,000	3,894	7,789	
Cota (m):		10,004	9,931		9,937	10,015	
E:		709.687,8511	709.684,2189	709.680,0490	709.676,1570	709.672,2633	
N:		7.089.270,9618	7.089.270,8493	7.089.270,7203	7.089.270,5998	7.089.270,4793	
Station: 76+10							
Dist. Eixo (m):		-7,838	-4,179	0,000	3,901	7,644	
Cota (m):		10,046	9,973		9,979	10,053	
E:		709.688,1928	709.684,5354	709.680,3583	709.676,4589	709.672,7177	
N:		7.089.260,9675	7.089.260,8543	7.089.260,7251	7.089.260,6044	7.089.260,4886	
Station: 77+0							
Dist. Eixo (m):		-7,927	-4,186	0,000	3,909	7,718	
Cota (m):		10,101	10,026		10,032	10,108	
E:		709.688,5912	709.684,8520	709.680,6677	709.676,7607	709.672,9532	
N:		7.089.250,9751	7.089.250,8594	7.089.250,7299	7.089.250,6089	7.089.250,4911	
Station: 77+10							
Dist. Eixo (m):		-7,963	-4,203	0,000	3,870	7,800	
Cota (m):		10,154	10,078		10,085	10,164	
E:		709.688,9361	709.685,1783	709.680,9770	709.677,1084	709.673,1808	
N:		7.089.240,9810	7.089.240,8647	7.089.240,7346	7.089.240,6149	7.089.240,4934	
Station: 78+0							
Dist. Eixo (m):		-7,895	-4,200	0,000	3,888	7,930	
Cota (m):		10,242	10,168		10,175	10,255	
E:		709.689,1780	709.685,4841	709.681,2863	709.677,4000	709.673,3603	
N:		7.089.230,9837	7.089.230,8693	7.089.230,7394	7.089.230,6192	7.089.230,4941	
Station: 78+10							
Dist. Eixo (m):		-12,240	-5,010	0,000	5,010	10,518	
Cota (m):		10,294	10,150		10,150	10,260	
E:		709.693,8295	709.686,6033	709.681,5957	709.676,5881	709.671,0825	
N:		7.089.221,1228	7.089.220,8992	7.089.220,7442	7.089.220,5892	7.089.220,4189	

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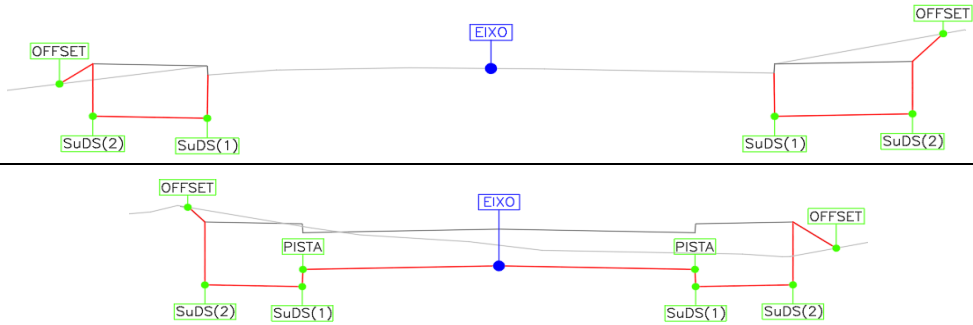
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 0+10									
Dist. Eixo (m):		-6,429	-4,488		0,000		3,975	5,352	
Cota (m):		13,531	13,492		13,991		13,502	13,530	
E:		708.528,2129	708.526,2728		708.521,7861		708.517,8121	708.516,4362	
N:		7.090.286,7930	7.090.286,7418		7.090.286,6235		7.090.286,5187	7.090.286,4824	
Station: 1+0									
Dist. Eixo (m):		-6,234	-4,467		0,000		3,851	5,406	
Cota (m):		13,464	13,429		13,928		13,441	13,472	
E:		708.528,2811	708.526,5152		708.522,0497		708.518,2004	708.516,6457	
N:		7.090.276,7913	7.090.276,7448		7.090.276,6270		7.090.276,5255	7.090.276,4845	
Station: 1+10									
Dist. Eixo (m):		-6,265	-4,446		0,000		3,726	5,511	
Cota (m):		13,402	13,365		13,864		13,380	13,415	
E:		708.528,5766	708.526,7575		708.522,3133		708.518,5886	708.516,8043	
N:		7.090.266,7957	7.090.266,7477		7.090.266,6305		7.090.266,5322	7.090.266,4852	
Station: 2+0									
Dist. Eixo (m):		-6,331	-4,424		0,000		3,718	5,531	
Cota (m):		13,349	13,310		13,809		13,325	13,361	
E:		708.528,9057	708.526,9997		708.522,5769		708.518,8599	708.517,0482	
N:		7.090.256,8009	7.090.256,7506		7.090.256,6340		7.090.256,5359	7.090.256,4881	
Station: 2+10									
Dist. Eixo (m):		-6,280	-4,403		0,000		3,719	5,496	
Cota (m):		13,308	13,271		13,768		13,284	13,320	
E:		708.529,1182	708.527,2418		708.522,8406		708.519,1226	708.517,3462	
N:		7.090.246,8030	7.090.246,7535		7.090.246,6374		7.090.246,5394	7.090.246,4925	
Station: 3+0									
Dist. Eixo (m):		-6,285	-4,388		0,000		3,720	5,608	
Cota (m):		13,276	13,238		13,735		13,251	13,289	
E:		708.529,3875	708.527,4906		708.523,1042		708.519,3853	708.517,4985	
N:		7.090.236,8066	7.090.236,7566		7.090.236,6409		7.090.236,5428	7.090.236,4931	
Station: 3+10									
Dist. Eixo (m):		-6,272	-4,377		0,000		3,721	6,001	
Cota (m):		13,261	13,223		13,720		13,236	13,282	
E:		708.529,6374	708.527,7436		708.523,3678		708.519,6480	708.517,3687	
N:		7.090.226,8097	7.090.226,7598		7.090.226,6444		7.090.226,5463	7.090.226,4862	
Station: 4+0									
Dist. Eixo (m):		-12,259	-6,906		0,000		5,229	10,574	
Cota (m):		13,293	13,186		13,734		13,219	13,326	
E:		708.535,8857	708.530,5351		708.523,6315		708.518,4041	708.513,0610	
N:		7.090.216,9710	7.090.216,8299		7.090.216,6479		7.090.216,5100	7.090.216,3691	
Station: 5+0									
Dist. Eixo (m):		-6,132	-4,423		0,000		3,719	5,840	
Cota (m):		13,082	13,048		13,646		13,062	13,104	
E:		708.530,2890	708.528,5803		708.524,1587		708.520,4415	708.518,3203	
N:		7.090.196,8165	7.090.196,7714		7.090.196,6548		7.090.196,5568	7.090.196,5008	
Station: 5+10									
Dist. Eixo (m):		-6,143	-4,377		0,000		3,748	5,897	
Cota (m):		13,060	13,025		13,622		13,038	13,081	
E:		708.530,5636	708.528,7978		708.524,4223		708.520,6757	708.518,5270	
N:		7.090.186,8202	7.090.186,7737		7.090.186,6583		7.090.186,5595	7.090.186,5028	
Station: 6+0									
Dist. Eixo (m):		-6,136	-4,331		0,000		3,777	5,800	
Cota (m):		13,034	12,998		13,594		13,009	13,049	
E:		708.530,8198	708.529,0153		708.524,6860		708.520,9099	708.518,8883	
N:		7.090.176,8235	7.090.176,7759		7.090.176,6618		7.090.176,5622	7.090.176,5089	

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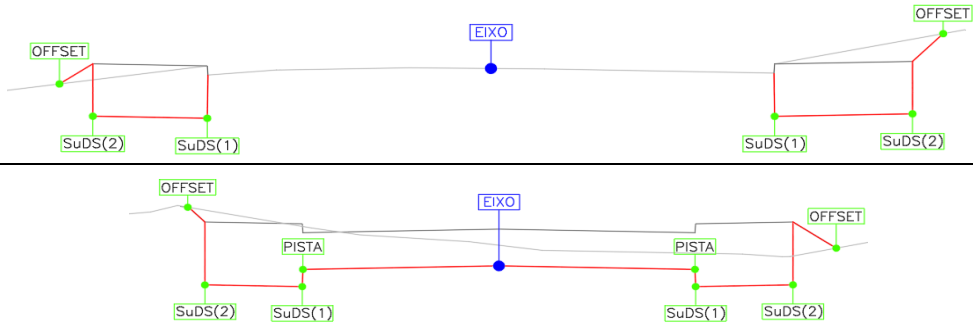
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 6+10									
Dist. Eixo (m):		-6,120	-4,285		0,000		3,802	5,733	
Cota (m):		13,000	12,963		13,559		12,973	13,012	
E:		708.531,0675	708.529,2328		708.524,9496		708.521,1491	708.519,2189	
N:		7.090.166,8266	7.090.166,7782		7.090.166,6652		7.090.166,5650	7.090.166,5141	
Station: 7+0									
Dist. Eixo (m):		-6,075	-4,266		0,000		3,817	5,738	
Cota (m):		12,964	12,928		13,523		12,937	12,976	
E:		708.531,2859	708.529,4777		708.525,2132		708.521,3977	708.519,4767	
N:		7.090.156,8289	7.090.156,7812		7.090.156,6687		7.090.156,5681	7.090.156,5174	
Station: 7+10									
Dist. Eixo (m):		-6,115	-4,251		0,000		3,832	5,752	
Cota (m):		12,989	12,952		13,546		12,960	12,998	
E:		708.531,5901	708.529,7263		708.525,4769		708.521,6463	708.519,7272	
N:		7.090.146,8334	7.090.146,7842		7.090.146,6722		7.090.146,5712	7.090.146,5206	
Station: 8+0									
Dist. Eixo (m):					0,000		3,847	5,780	
Cota (m):					13,567		12,981	13,019	
E:					708.525,7405		708.521,8949	708.519,9621	
N:					7.090.136,6757		7.090.136,5742	7.090.136,5233	
Station: 8+10									
Dist. Eixo (m):					0,000		3,862	5,813	
Cota (m):					13,482		12,895	12,934	
E:					708.526,0041		708.522,1435	708.520,1933	
N:					7.090.126,6791		7.090.126,5773	7.090.126,5259	
Station: 9+0									
Dist. Eixo (m):					0,000		3,877	5,845	
Cota (m):					13,419		12,832	12,871	
E:					708.526,2677		708.522,3920	708.520,4244	
N:					7.090.116,6826		7.090.116,5804	7.090.116,5285	
Station: 9+10									
Dist. Eixo (m):		-6,005	-4,181		0,000		3,897	5,755	
Cota (m):		12,839	12,803		13,396		12,808	12,845	
E:		708.532,5338	708.530,7107		708.526,5314		708.522,6361	708.520,7780	
N:		7.090.106,8444	7.090.106,7963		7.090.106,6861		7.090.106,5834	7.090.106,5344	
Station: 10+0									
Dist. Eixo (m):		-5,938	-4,153		0,000		3,923	5,794	
Cota (m):		12,814	12,778		13,371		12,783	12,820	
E:		708.532,7310	708.530,9461		708.526,7950		708.522,8733	708.521,0025	
N:		7.090.096,8461	7.090.096,7990		7.090.096,6896		7.090.096,5861	7.090.096,5368	
Station: 10+10									
Dist. Eixo (m):		-5,938	-4,124		0,000		3,950	5,938	
Cota (m):		12,794	12,758		13,350		12,761	12,801	
E:		708.532,9944	708.531,1815		708.527,0586		708.523,1104	708.521,1224	
N:		7.090.086,8496	7.090.086,8018		7.090.086,6930		7.090.086,5889	7.090.086,5365	
Station: 11+0									
Dist. Eixo (m):		-6,032	-4,096		0,000		3,976	6,043	
Cota (m):		12,773	12,735		13,326		12,737	12,778	
E:		708.533,3524	708.531,4169		708.527,3223		708.523,3476	708.521,2814	
N:		7.090.076,8555	7.090.076,8045		7.090.076,6965		7.090.076,5917	7.090.076,5372	
Station: 11+10									
Dist. Eixo (m):		-6,127	-4,068		0,000		4,003	5,974	
Cota (m):		12,774	12,733		13,324		12,734	12,773	
E:		708.533,7104	708.531,6523		708.527,5859		708.523,5838	708.521,6140	
N:		7.090.066,8615	7.090.066,8072		7.090.066,7000		7.090.066,5944	7.090.066,5425	

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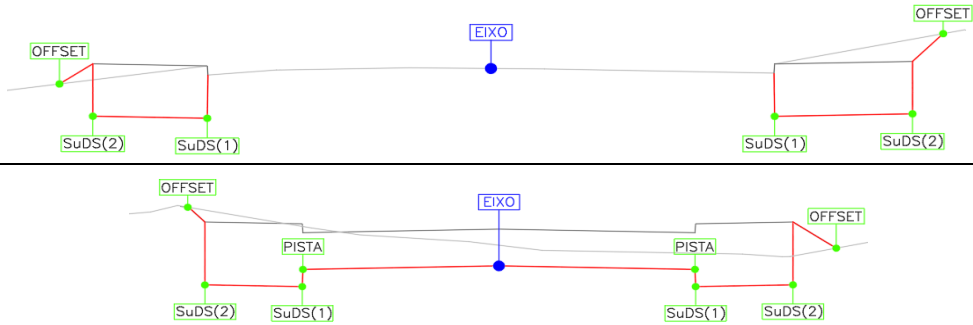
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 13+0									
Dist. Eixo (m):		-6,019	-4,010	-4,000	0,000	4,000	4,010	5,538	
Cota Camada 1 (m)				13,167	13,247	13,167			
Cota Camada 3 (m)				13,087	13,167	13,087			
Cota Camada 6 (m)				13,047	13,127	13,047			
Cota Camada 7 (m)				12,897	12,977	12,897			
Cota (m):		12,697	12,657	12,747	12,827	12,747	12,657	12,687	
E:		708.534,0567	708.532,0481	708.532,0381	708.528,0393	708.524,0406	708.524,0306	708.522,5033	
N:		7.090.036,8556	7.090.036,8049	7.090.036,8047	7.090.036,7038	7.090.036,6028	7.090.036,6026	7.090.036,5640	
Station: 13+10									
Dist. Eixo (m):		-6,081	-4,010	-4,000	0,000	4,000	4,010	5,564	
Cota Camada 1 (m)				13,140	13,220	13,140			
Cota Camada 3 (m)				13,060	13,140	13,060			
Cota Camada 6 (m)				13,020	13,100	13,020			
Cota Camada 7 (m)				12,870	12,950	12,870			
Cota (m):		12,671	12,630	12,720	12,800	12,720	12,630	12,661	
E:		708.534,3705	708.532,3004	708.532,2904	708.528,2916	708.524,2929	708.524,2829	708.522,7294	
N:		7.090.026,8604	7.090.026,8081	7.090.026,8079	7.090.026,7069	7.090.026,6060	7.090.026,6058	7.090.026,5666	
Station: 14+0									
Dist. Eixo (m):		-6,143	-4,010	-4,000	0,000	4,000	4,010	5,590	
Cota Camada 1 (m)				13,113	13,193	13,113			
Cota Camada 3 (m)				13,033	13,113	13,033			
Cota Camada 6 (m)				12,993	13,073	12,993			
Cota Camada 7 (m)				12,843	12,923	12,843			
Cota (m):		12,646	12,603	12,693	12,773	12,693	12,603	12,635	
E:		708.534,6846	708.532,5527	708.532,5427	708.528,5440	708.524,5452	708.524,5352	708.522,9554	
N:		7.090.016,8651	7.090.016,8113	7.090.016,8111	7.090.016,7101	7.090.016,6092	7.090.016,6090	7.090.016,5691	
Station: 14+10									
Dist. Eixo (m):		-6,204	-4,010	-4,000	0,000	4,000	4,010	5,617	
Cota Camada 1 (m)				13,087	13,167	13,087			
Cota Camada 3 (m)				13,007	13,087	13,007			
Cota Camada 6 (m)				12,967	13,047	12,967			
Cota Camada 7 (m)				12,817	12,897	12,817			
Cota (m):		12,621	12,577	12,667	12,747	12,667	12,577	12,609	
E:		708.534,9986	708.532,8050	708.532,7950	708.528,7963	708.524,7975	708.524,7875	708.523,1815	
N:		7.090.006,8699	7.090.006,8145	7.090.006,8142	7.090.006,7133	7.090.006,6124	7.090.006,6121	7.090.006,5716	
Station: 15+0									
Dist. Eixo (m):		-6,266	-4,010	-4,000	0,000	4,000	4,010	5,643	
Cota Camada 1 (m)				13,060	13,140	13,060			
Cota Camada 3 (m)				12,980	13,060	12,980			
Cota Camada 6 (m)				12,940	13,020	12,940			
Cota Camada 7 (m)				12,790	12,870	12,790			
Cota (m):		12,595	12,550	12,640	12,720	12,640	12,550	12,583	
E:		708.535,3126	708.533,0573	708.533,0473	708.529,0486	708.525,0498	708.525,0398	708.523,4075	
N:		7.089.996,8746	7.089.996,8177	7.089.996,8174	7.089.996,7165	7.089.996,6156	7.089.996,6153	7.089.996,5741	
Station: 15+10									
Dist. Eixo (m):		-6,246	-4,010	-4,000	0,000	4,000	4,010	5,669	
Cota Camada 1 (m)				13,034	13,114	13,034			
Cota Camada 3 (m)				12,954	13,034	12,954			
Cota Camada 6 (m)				12,914	12,994	12,914			
Cota Camada 7 (m)				12,764	12,844	12,764			
Cota (m):		12,569	12,524	12,614	12,694	12,614	12,524	12,557	
E:		708.535,5449	708.533,3096	708.533,2996	708.529,3009	708.525,3021	708.525,2921	708.523,6336	
N:		7.089.986,8773	7.089.986,8209	7.089.986,8206	7.089.986,7197	7.089.986,6188	7.089.986,6185	7.089.986,5766	

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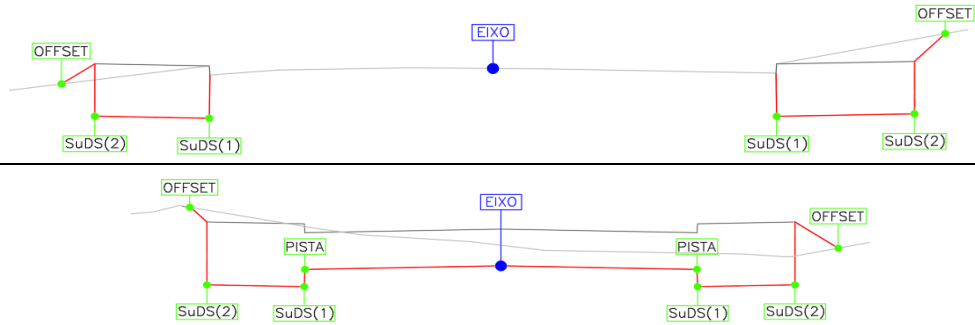
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 16+0									
Dist. Eixo (m):		-6,164	-4,010	-4,000	0,000	4,000	4,010	5,695	
Cota Camada 1 (m)				13,007	13,087	13,007			
Cota Camada 3 (m)				12,927	13,007	12,927			
Cota Camada 6 (m)				12,887	12,967	12,887			
Cota Camada 7 (m)				12,737	12,817	12,737			
Cota (m):		12,540	12,497	12,587	12,667	12,587	12,497	12,531	
E:		708.535,7151	708.533,5619	708.533,5519	708.529,5532	708.525,5544	708.525,5444	708.523,8596	
N:		7.089.976,8784	7.089.976,8240	7.089.976,8238	7.089.976,7229	7.089.976,6219	7.089.976,6217	7.089.976,5792	
Station: 16+10									
Dist. Eixo (m):		-6,082	-4,010	-4,000	0,000	4,000	4,010	5,722	
Cota Camada 1 (m)				12,981	13,061	12,981			
Cota Camada 3 (m)				12,901	12,981	12,901			
Cota Camada 6 (m)				12,861	12,941	12,861			
Cota Camada 7 (m)				12,711	12,791	12,711			
Cota (m):		12,512	12,471	12,561	12,641	12,561	12,471	12,505	
E:		708.535,8852	708.533,8142	708.533,8042	708.529,8055	708.525,8068	708.525,7968	708.524,0857	
N:		7.089.966,8795	7.089.966,8272	7.089.966,8270	7.089.966,7260	7.089.966,6251	7.089.966,6249	7.089.966,5817	
Station: 17+0									
Dist. Eixo (m):		-5,999	-4,010	-4,000	0,000	4,000	4,010	5,758	
Cota Camada 1 (m)				12,954	13,034	12,954			
Cota Camada 3 (m)				12,874	12,954	12,874			
Cota Camada 6 (m)				12,834	12,914	12,834			
Cota Camada 7 (m)				12,684	12,764	12,684			
Cota (m):		12,484	12,444	12,534	12,614	12,534	12,444	12,479	
E:		708.536,0554	708.534,0665	708.534,0565	708.530,0578	708.526,0591	708.526,0491	708.524,3013	
N:		7.089.956,8806	7.089.956,8304	7.089.956,8302	7.089.956,7292	7.089.956,6283	7.089.956,6281	7.089.956,5839	
Station: 17+10									
Dist. Eixo (m):		-5,981	-4,010	-4,000	0,000	4,000	4,010	5,800	
Cota Camada 1 (m)				12,928	13,008	12,928			
Cota Camada 3 (m)				12,848	12,928	12,848			
Cota Camada 6 (m)				12,808	12,888	12,808			
Cota Camada 7 (m)				12,658	12,738	12,658			
Cota (m):		12,457	12,418	12,508	12,588	12,508	12,418	12,453	
E:		708.536,2893	708.534,3188	708.534,3088	708.530,3101	708.526,3114	708.526,3014	708.524,5118	
N:		7.089.946,8833	7.089.946,8336	7.089.946,8333	7.089.946,7324	7.089.946,6315	7.089.946,6312	7.089.946,5861	
Station: 18+0									
Dist. Eixo (m):		-5,981	-4,010	-4,000	0,000	4,000	4,010	5,842	
Cota Camada 1 (m)				12,901	12,981	12,901			
Cota Camada 3 (m)				12,821	12,901	12,821			
Cota Camada 6 (m)				12,781	12,861	12,781			
Cota Camada 7 (m)				12,631	12,711	12,631			
Cota (m):		12,430	12,391	12,481	12,561	12,481	12,391	12,428	
E:		708.536,5418	708.534,5711	708.534,5611	708.530,5624	708.526,5637	708.526,5537	708.524,7223	
N:		7.089.936,8865	7.089.936,8368	7.089.936,8365	7.089.936,7356	7.089.936,6347	7.089.936,6344	7.089.936,5882	
Station: 18+10									
Dist. Eixo (m):		-5,981	-4,010	-4,000	0,000	4,000	4,010	5,884	
Cota Camada 1 (m)				12,875	12,955	12,875			
Cota Camada 3 (m)				12,795	12,875	12,795			
Cota Camada 6 (m)				12,755	12,835	12,755			
Cota Camada 7 (m)				12,605	12,685	12,605			
Cota (m):		12,404	12,365	12,455	12,535	12,455	12,365	12,402	
E:		708.536,7942	708.534,8234	708.534,8134	708.530,8147	708.526,8160	708.526,8060	708.524,9328	
N:		7.089.926,8897	7.089.926,8400	7.089.926,8397	7.089.926,7388	7.089.926,6379	7.089.926,6376	7.089.926,5903	

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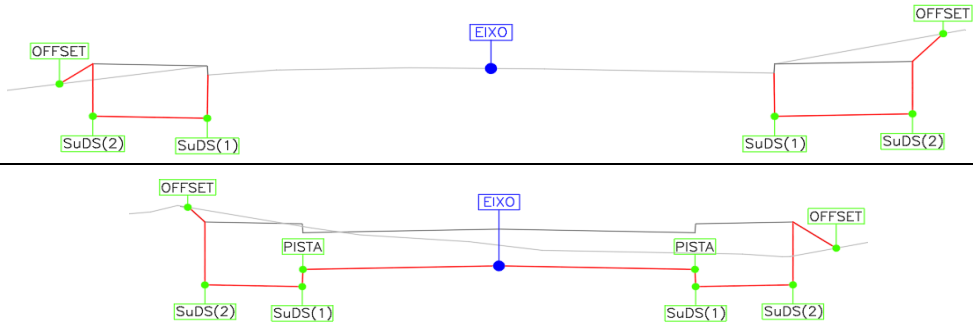
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 19+0									
Dist. Eixo (m):		-5,981	-4,010	-4,000	0,000	4,000	4,010	5,926	
Cota Camada 1 (m)				12,848	12,928	12,848			
Cota Camada 3 (m)				12,768	12,848	12,768			
Cota Camada 6 (m)				12,728	12,808	12,728			
Cota Camada 7 (m)				12,578	12,658	12,578			
Cota (m):		12,377	12,338	12,428	12,508	12,428	12,338	12,376	
E:		708.537,0466	708.535,0757	708.535,0657	708.531,0670	708.527,0683	708.527,0583	708.525,1433	
N:		7.089.916,8929	7.089.916,8431	7.089.916,8429	7.089.916,7420	7.089.916,6410	7.089.916,6408	7.089.916,5925	
Station: 19+4									
Dist. Eixo (m):		-5,993	-4,010	-4,000	0,000	4,000	4,010	5,944	
Cota Camada 1 (m)				12,836	12,916	12,836			
Cota Camada 3 (m)				12,756	12,836	12,756			
Cota Camada 6 (m)				12,716	12,796	12,716			
Cota Camada 7 (m)				12,566	12,646	12,566			
Cota (m):		12,366	12,326	12,416	12,496	12,416	12,326	12,365	
E:		708.537,1704	708.535,1880	708.535,1780	708.531,1792	708.527,1805	708.527,1705	708.525,2370	
N:		7.089.912,4462	7.089.912,3962	7.089.912,3959	7.089.912,2950	7.089.912,1941	7.089.912,1938	7.089.912,1450	
Station: 19+10									
Dist. Eixo (m):		-9,453	-4,638	-4,628	0,000	4,567	4,577	8,738	
Cota Camada 1 (m)				12,863	12,902	12,864			
Cota Camada 3 (m)				12,783	12,822	12,784			
Cota Camada 6 (m)				12,743	12,782	12,744			
Cota Camada 7 (m)				12,593	12,632	12,594			
Cota (m):		12,449	12,353	12,443	12,482	12,444	12,354	12,437	
E:		708.540,8072	708.535,9951	708.535,9851	708.531,3596	708.526,7950	708.526,7850	708.522,6265	
N:		7.089.907,0533	7.089.906,8970	7.089.906,8966	7.089.906,7463	7.089.906,5980	7.089.906,5976	7.089.906,4625	
Station: 19+14									
Dist. Eixo (m):					0,000	10,077	10,087	12,978	
Cota Camada 1 (m)				0,420	12,889	12,956			
Cota Camada 3 (m)				0,340	12,809	12,876			
Cota Camada 6 (m)				0,300	12,769	12,836			
Cota Camada 7 (m)				0,150	12,619	12,686			
Cota (m):					12,469	12,536	12,446	12,460	
E:					708.531,5172	708.521,4454	708.521,4354	708.518,5460	
N:					7.089.901,8969	7.089.901,5696	7.089.901,5692	7.089.901,4753	
Station: 20+3									
Dist. Eixo (m):		-11,870	-10,115	-10,105	0,000	11,754	11,764	12,000	
Cota Camada 1 (m)				12,954	12,867	12,895			
Cota Camada 3 (m)				12,874	12,787	12,815			
Cota Camada 6 (m)				12,834	12,747	12,775			
Cota Camada 7 (m)				12,684	12,597	12,625			
Cota (m):		12,479	12,444	12,534	12,447	12,475	12,385	12,390	
E:		708.543,6534	708.541,8996	708.541,8896	708.531,7897	708.520,0420	708.520,0320	708.519,7960	
N:		7.089.893,8954	7.089.893,8384	7.089.893,8381	7.089.893,5099	7.089.893,1281	7.089.893,1278	7.089.893,1201	
Station: 20+10									
Dist. Eixo (m):		-7,230	-4,093	-4,083	0,000	4,081	4,091	7,440	
Cota Camada 1 (m)				12,829	12,894	12,827			
Cota Camada 3 (m)				12,749	12,814	12,747			
Cota Camada 6 (m)				12,709	12,774	12,707			
Cota Camada 7 (m)				12,559	12,624	12,557			
Cota (m):		12,382	12,319	12,409	12,474	12,407	12,317	12,384	
E:		708.539,2355	708.536,1002	708.536,0902	708.532,0092	708.527,9307	708.527,9207	708.524,5735	
N:		7.089.886,9917	7.089.886,8898	7.089.886,8895	7.089.886,7569	7.089.886,6243	7.089.886,6240	7.089.886,5152	

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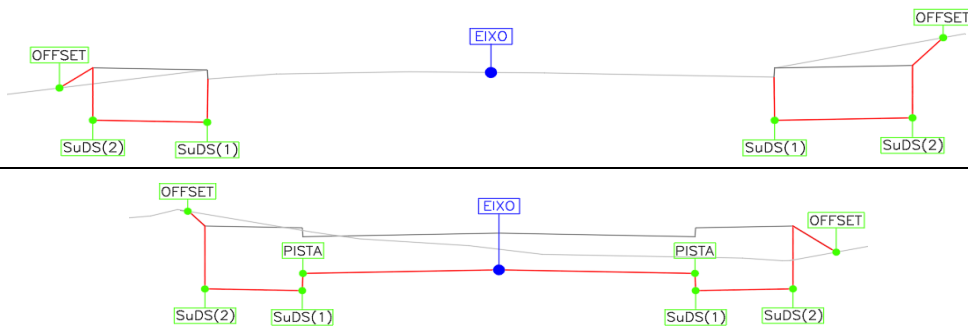
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 20+13									
Dist. Eixo (m):		-5,983	-4,010	-4,000	0,000	4,000	4,010	6,072	
Cota Camada 1 (m)				12,826	12,906	12,826			
Cota Camada 3 (m)				12,746	12,826	12,746			
Cota Camada 6 (m)				12,706	12,786	12,706			
Cota Camada 7 (m)				12,556	12,636	12,556			
Cota (m):		12,355	12,316	12,406	12,486	12,406	12,316	12,357	
E:		708.538,0901	708.536,1181	708.536,1081	708.532,1101	708.528,1120	708.528,1020	708.526,0415	
N:		7.089.883,8466	7.089.883,7825	7.089.883,7822	7.089.883,6523	7.089.883,5223	7.089.883,5220	7.089.883,4550	
Station: 21+0									
Dist. Eixo (m):		-5,963	-4,010	-4,000	0,000	4,000	4,010	5,930	
Cota Camada 1 (m)				12,852	12,932	12,852			
Cota Camada 3 (m)				12,772	12,852	12,772			
Cota Camada 6 (m)				12,732	12,812	12,732			
Cota Camada 7 (m)				12,582	12,662	12,582			
Cota (m):		12,381	12,342	12,432	12,512	12,432	12,342	12,381	
E:		708.538,2341	708.536,2816	708.536,2717	708.532,2728	708.528,2739	708.528,2639	708.526,3445	
N:		7.089.876,9012	7.089.876,8551	7.089.876,8548	7.089.876,7604	7.089.876,6660	7.089.876,6658	7.089.876,6205	
Station: 21+10									
Dist. Eixo (m):		-5,931	-4,010	-4,000	0,000	4,000	4,010	5,901	
Cota Camada 1 (m)				12,888	12,968	12,888			
Cota Camada 3 (m)				12,808	12,888	12,808			
Cota Camada 6 (m)				12,768	12,848	12,768			
Cota Camada 7 (m)				12,618	12,698	12,618			
Cota (m):		12,416	12,378	12,468	12,548	12,468	12,378	12,416	
E:		708.538,4386	708.536,5177	708.536,5077	708.532,5088	708.528,5099	708.528,4999	708.526,6097	
N:		7.089.866,9032	7.089.866,8579	7.089.866,8576	7.089.866,7632	7.089.866,6688	7.089.866,6686	7.089.866,6239	
Station: 22+0									
Dist. Eixo (m):		-5,901	-4,010	-4,000	0,000	4,000	4,010	5,872	
Cota Camada 1 (m)				12,901	12,981	12,901			
Cota Camada 3 (m)				12,821	12,901	12,821			
Cota Camada 6 (m)				12,781	12,861	12,781			
Cota Camada 7 (m)				12,631	12,711	12,631			
Cota (m):		12,429	12,391	12,481	12,561	12,481	12,391	12,428	
E:		708.538,6442	708.536,7537	708.536,7437	708.532,7448	708.528,7459	708.528,7359	708.526,8749	
N:		7.089.856,9053	7.089.856,8606	7.089.856,8604	7.089.856,7660	7.089.856,6716	7.089.856,6713	7.089.856,6274	
Station: 22+10									
Dist. Eixo (m):		-5,871	-4,010	-4,000	0,000	4,000	4,010	5,842	
Cota Camada 1 (m)				12,891	12,971	12,891			
Cota Camada 3 (m)				12,811	12,891	12,811			
Cota Camada 6 (m)				12,771	12,851	12,771			
Cota Camada 7 (m)				12,621	12,701	12,621			
Cota (m):		12,418	12,381	12,471	12,551	12,471	12,381	12,417	
E:		708.538,8498	708.536,9897	708.536,9797	708.532,9808	708.528,9820	708.528,9720	708.527,1401	
N:		7.089.846,9073	7.089.846,8634	7.089.846,8632	7.089.846,7688	7.089.846,6744	7.089.846,6741	7.089.846,6309	
Station: 23+0									
Dist. Eixo (m):		-5,840	-4,010	-4,000	0,000	4,000	4,010	5,813	
Cota Camada 1 (m)				12,877	12,957	12,877			
Cota Camada 3 (m)				12,797	12,877	12,797			
Cota Camada 6 (m)				12,757	12,837	12,757			
Cota Camada 7 (m)				12,607	12,687	12,607			
Cota (m):		12,404	12,367	12,457	12,537	12,457	12,367	12,403	
E:		708.539,0555	708.537,2257	708.537,2158	708.533,2169	708.529,2180	708.529,2080	708.527,4053	
N:		7.089.836,9094	7.089.836,8662	7.089.836,8660	7.089.836,7716	7.089.836,6772	7.089.836,6769	7.089.836,6344	

PREFEITURA MUNICIPAL DE JOINVILLE
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NOTA DE SERVIÇO
RUA BRAULIO DE SÁ BARBOSA

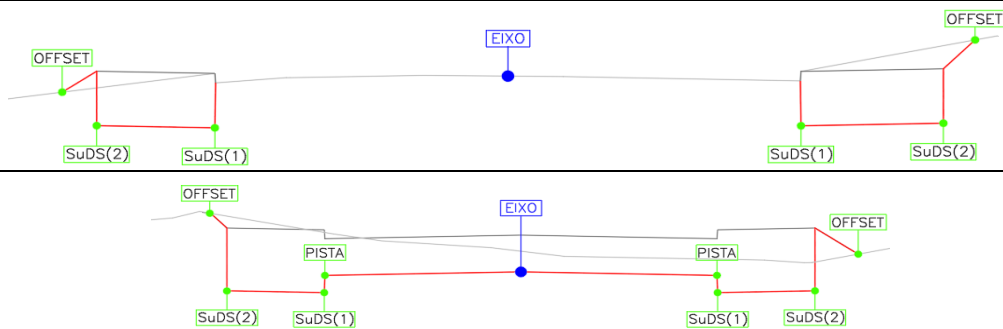
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 23+10									
Dist. Eixo (m):		-5,859	-4,010	-4,000	0,000	4,000	4,010	6,721	
Cota Camada 1 (m)				12,863	12,943	12,863			
Cota Camada 3 (m)				12,783	12,863	12,783			
Cota Camada 6 (m)				12,743	12,823	12,743			
Cota Camada 7 (m)				12,593	12,673	12,593			
Cota (m):	12,390	12,353	12,443	12,523	12,443	12,353	12,407		
E:	708.539,3106	708.537,4618	708.537,4518	708.533,4529	708.529,4540	708.529,4440	708.526,7339		
N:	7.089.826,9126	7.089.826,8690	7.089.826,8688	7.089.826,7743	7.089.826,6799	7.089.826,6797	7.089.826,6157		
Station: 24+0									
Dist. Eixo (m):		-5,894	-4,010	-4,000	0,000	4,000	4,010	6,691	
Cota Camada 1 (m)				12,849	12,929	12,849			
Cota Camada 3 (m)				12,769	12,849	12,769			
Cota Camada 6 (m)				12,729	12,809	12,729			
Cota Camada 7 (m)				12,579	12,659	12,579			
Cota (m):	12,376	12,339	12,429	12,509	12,429	12,339	12,392		
E:	708.539,5815	708.537,6978	708.537,6878	708.533,6889	708.529,6900	708.529,6800	708.526,9998		
N:	7.089.816,9163	7.089.816,8718	7.089.816,8715	7.089.816,7771	7.089.816,6827	7.089.816,6825	7.089.816,6192		
Station: 24+10									
Dist. Eixo (m):		-5,929	-4,010	-4,000	0,000	4,000	4,010	5,912	
Cota Camada 1 (m)				12,828	12,908	12,828			
Cota Camada 3 (m)				12,748	12,828	12,748			
Cota Camada 6 (m)				12,708	12,788	12,708			
Cota Camada 7 (m)				12,558	12,638	12,558			
Cota (m):	12,356	12,318	12,408	12,488	12,408	12,318	12,356		
E:	708.539,8526	708.537,9338	708.537,9238	708.533,9249	708.529,9261	708.529,9161	708.528,0141		
N:	7.089.806,9199	7.089.806,8746	7.089.806,8743	7.089.806,7799	7.089.806,6855	7.089.806,6853	7.089.806,6404		
Station: 25+0									
Dist. Eixo (m):		-5,943	-4,010	-4,000	0,000	4,000	4,010	5,930	6,549
Cota Camada 1 (m)				12,743	12,823	12,743			
Cota Camada 3 (m)				12,663	12,743	12,663			
Cota Camada 6 (m)				12,623	12,703	12,623			
Cota Camada 7 (m)				12,473	12,553	12,473			
Cota (m):	12,272	12,233	12,323	12,403	12,323	12,233	12,272	12,519	
E:	708.540,1019	708.538,1698	708.538,1599	708.534,1610	708.530,1621	708.530,1521	708.528,2322	708.527,6137	
N:	7.089.796,9230	7.089.796,8774	7.089.796,8771	7.089.796,7827	7.089.796,6883	7.089.796,6881	7.089.796,6427	7.089.796,6281	
Station: 25+10									
Dist. Eixo (m):	-6,531	-5,950	-4,010	-4,000	0,000	4,000	4,010	5,948	6,368
Cota Camada 1 (m)				12,588	12,668	12,588			
Cota Camada 3 (m)				12,508	12,588	12,508			
Cota Camada 6 (m)				12,468	12,548	12,468			
Cota Camada 7 (m)				12,318	12,398	12,318			
Cota (m):	12,389	12,117	12,078	12,168	12,248	12,168	12,078	12,117	12,497
E:	708.540,9266	708.540,3451	708.538,4059	708.538,3959	708.534,3970	708.530,3981	708.530,3881	708.528,4503	708.528,0304
N:	7.089.786,9396	7.089.786,9259	7.089.786,8801	7.089.786,8799	7.089.786,7855	7.089.786,6911	7.089.786,6908	7.089.786,6451	7.089.786,6352

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RUA CARLOS GUILHERME JERKE (T1)

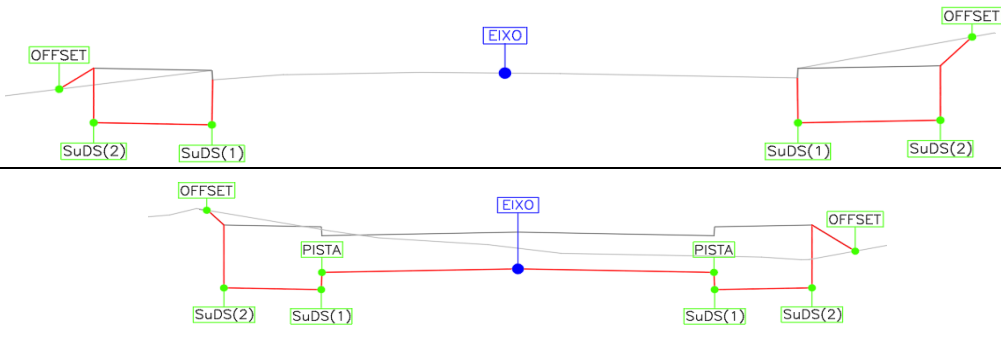
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0									
Dist. Eixo (m):		-5,200	-4,010		0,000				
Cota (m):		18,244	18,220						
E:		708.747,4883	708.746,2995		708.742,2936				
N:		7.090.708,9410	7.090.708,8871		7.090.708,7055				
Station: 0+10									
Dist. Eixo (m):		-6,490	-4,048		0,000		3,870	5,877	
Cota (m):		17,272	17,223				17,226	17,266	
E:		708.749,2302	708.746,7899		708.742,7466		708.738,8804	708.736,8755	
N:		7.090.699,0097	7.090.698,8991		7.090.698,7157		7.090.698,5404	7.090.698,4495	
Station: 1+0									
Dist. Eixo (m):		-6,277	-4,080		0,000		3,840	5,867	
Cota (m):		16,207	16,163				16,168	16,209	
E:		708.749,4702	708.747,2749		708.743,1995		708.739,3636	708.737,3385	
N:		7.090.689,0103	7.090.688,9108		7.090.688,7260		7.090.688,5521	7.090.688,4602	
Station: 1+10									
Dist. Eixo (m):		-5,921	-4,056		0,000		3,818	5,852	
Cota (m):		15,713	15,676				15,681	15,722	
E:		708.749,5676	708.747,7045		708.743,6524		708.739,8380	708.737,8062	
N:		7.090.679,0045	7.090.678,9200		7.090.678,7363		7.090.678,5633	7.090.678,4712	
Station: 2+0									
Dist. Eixo (m):		-5,901	-4,072		0,000		3,878	5,906	
Cota (m):		15,402	15,365				15,369	15,410	
E:		708.750,0004	708.748,1737		708.744,1054		708.740,2312	708.738,2058	
N:		7.090.669,0138	7.090.668,9310		7.090.668,7465		7.090.668,5709	7.090.668,4790	
Station: 2+10									
Dist. Eixo (m):		-5,950	-4,100		0,000		3,987	5,975	
Cota (m):		15,262	15,225				15,227	15,267	
E:		708.750,5019	708.748,6545		708.744,5583		708.740,5749	708.738,5893	
N:		7.090.659,0263	7.090.658,9425		7.090.658,7568		7.090.658,5762	7.090.658,4861	
Station: 3+0									
Dist. Eixo (m):		-6,103	-4,062		0,000		4,097	6,045	
Cota (m):		15,209	15,168				15,167	15,206	
E:		708.751,1084	708.749,0691		708.745,0113		708.740,9186	708.738,9727	
N:		7.090.649,0435	7.090.648,9510		7.090.648,7670		7.090.648,5815	7.090.648,4932	
Station: 3+10									
Dist. Eixo (m):		-6,175	-3,990		0,000		4,206	6,114	
Cota (m):		15,179	15,135				15,131	15,169	
E:		708.751,6332	708.749,4502		708.745,4642		708.741,2624	708.739,3561	
N:		7.090.639,0570	7.090.638,9580		7.090.638,7773		7.090.638,5868	7.090.638,5004	
Station: 4+0									
Dist. Eixo (m):		-6,253	-3,975		0,000		4,293	6,184	
Cota (m):		15,244	15,198				15,192	15,230	
E:		708.752,1636	708.749,8883		708.745,9172		708.741,6288	708.739,7395	
N:		7.090.629,0708	7.090.628,9676		7.090.628,7876		7.090.628,5931	7.090.628,5075	
Station: 4+10									
Dist. Eixo (m):		-9,924	-6,754		0,000		6,417	10,121	
Cota (m):		15,287	15,223				15,230	15,304	
E:		708.756,2843	708.753,1168		708.746,3701		708.739,9601	708.736,2593	
N:		7.090.619,2474	7.090.619,1037		7.090.618,7978		7.090.618,5072	7.090.618,3394	
Station: 5+10									
Dist. Eixo (m):		-6,225	-4,033		0,000		4,078	6,168	
Cota (m):		15,257	15,214				15,213	15,254	
E:		708.753,4950	708.751,3051		708.747,2760		708.743,2025	708.741,1144	
N:		7.090.599,1003	7.090.599,0010		7.090.598,8184		7.090.598,6337	7.090.598,5390	

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NOTA DE SERVIÇO
RUA CARLOS GUILHERME JERKE (T1)

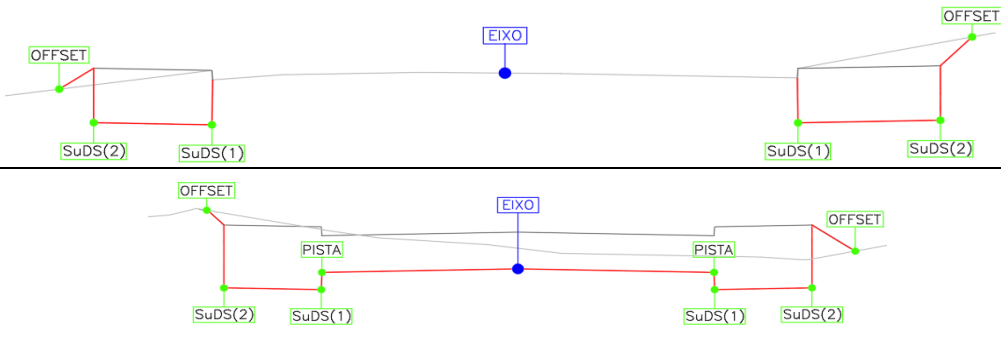
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 6+0									
Dist. Eixo (m):		-5,902	-4,082		0,000		3,987	6,053	
Cota (m):		15,164	15,127				15,129	15,171	
E:		708.753,6251	708.751,8065		708.747,7289		708.743,7460	708.741,6818	
N:		7.090.589,0960	7.090.589,0135		7.090.588,8286		7.090.588,6480	7.090.588,5544	
Station: 6+10									
Dist. Eixo (m):		-5,828	-4,083		0,000		3,981	6,001	
Cota (m):		15,061	15,027				15,029	15,069	
E:		708.754,0036	708.752,2603		708.748,1819		708.744,2047	708.742,1866	
N:		7.090.579,1028	7.090.579,0238		7.090.578,8389		7.090.578,6586	7.090.578,5671	
Station: 7+0									
Dist. Eixo (m):		-5,721	-4,083		0,000		4,028	6,015	
Cota (m):		14,955	14,923				14,924	14,963	
E:		708.754,3496	708.752,7141		708.748,6348		708.744,6113	708.742,6257	
N:		7.090.569,1083	7.090.569,0341		7.090.568,8491		7.090.568,6667	7.090.568,5767	
Station: 7+10									
Dist. Eixo (m):		-5,815	-4,076		0,000		4,058	6,063	
Cota (m):		14,824	14,789				14,790	14,830	
E:		708.754,8970	708.753,1594		708.749,0878		708.745,0339	708.743,0306	
N:		7.090.559,1228	7.090.559,0440		7.090.558,8594		7.090.558,6756	7.090.558,5848	
Station: 8+0									
Dist. Eixo (m):		-5,856	-4,068		0,000		4,087	6,105	
Cota (m):		14,651	14,615				14,615	14,655	
E:		708.755,3911	708.753,6048		708.749,5407		708.745,4582	708.743,4423	
N:		7.090.549,1349	7.090.549,0539		7.090.548,8697		7.090.548,6846	7.090.548,5932	
Station: 8+10									
Dist. Eixo (m):		-5,828	-4,061		0,000		4,115	6,119	
Cota (m):		14,464	14,428				14,427	14,467	
E:		708.755,8155	708.754,0501		708.749,9937		708.745,8825	708.743,8808	
N:		7.090.539,1439	7.090.539,0639		7.090.538,8799		7.090.538,6935	7.090.538,6028	
Station: 9+0									
Dist. Eixo (m):		-5,868	-4,053		0,000		4,144	6,136	
Cota (m):		14,289	14,252				14,251	14,290	
E:		708.756,3089	708.754,4954		708.750,4466		708.746,3069	708.744,3167	
N:		7.090.529,1560	7.090.529,0738		7.090.528,8902		7.090.528,7025	7.090.528,6123	
Station: 9+10									
Dist. Eixo (m):		-5,879	-4,045		0,000		4,173	6,185	
Cota (m):		14,163	14,126				14,123	14,164	
E:		708.756,7728	708.754,9407		708.750,8995		708.746,7312	708.744,7212	
N:		7.090.519,1668	7.090.519,0837		7.090.518,9005		7.090.518,7115	7.090.518,6203	
Station: 10+0									
Dist. Eixo (m):		-5,886	-4,038		0,000		4,201	6,004	
Cota (m):		14,040	14,003				14,000	14,036	
E:		708.757,2329	708.755,3861		708.751,3525		708.747,1555	708.745,3545	
N:		7.090.509,1774	7.090.509,0936		7.090.508,9107		7.090.508,7204	7.090.508,6388	
Station: 10+10									
Dist. Eixo (m):		-5,795	-4,030		0,000		4,230	6,098	
Cota (m):		13,981	13,945				13,941	13,979	
E:		708.757,5941	708.755,8314		708.751,8054		708.747,5798	708.745,7135	
N:		7.090.499,1835	7.090.499,1035		7.090.498,9210		7.090.498,7294	7.090.498,6448	
Station: 11+0									
Dist. Eixo (m):		-5,852	-4,022		0,000		4,259	6,174	
Cota (m):		13,937	13,900				13,896	13,934	
E:		708.758,1040	708.756,2767		708.752,2584		708.748,0042	708.746,0910	
N:		7.090.489,1963	7.090.489,1135		7.090.488,9313		7.090.488,7384	7.090.488,6516	

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NOTA DE SERVIÇO
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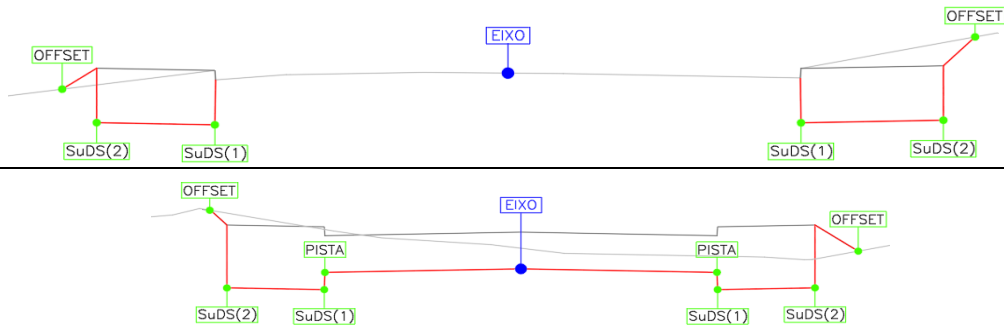
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 11+10									
Dist. Eixo (m):		-5,859	-4,015		0,000		4,287	6,230	
Cota (m):		13,964	13,927				13,922	13,961	
E:		708.758,5641	708.756,7221		708.752,7113		708.748,4285	708.746,4880	
N:		7.090.479,2069	7.090.479,1234		7.090.478,9415		7.090.478,7473	7.090.478,6593	
Station: 11+16									
Dist. Eixo (m):		-5,921	-4,010		0,000		4,518	6,414	
Cota (m):		13,989	13,950				13,940	13,978	
E:		708.758,9147	708.757,0057		708.752,9998		708.748,4868	708.746,5926	
N:		7.090.472,8465	7.090.472,7599		7.090.472,5783		7.090.472,3737	7.090.472,2878	
Station: 12+0									
Dist. Eixo (m):		-7,806	-5,449		0,000		5,477	8,596	
Cota (m):		13,948	13,901				13,900	13,963	
E:		708.760,9534	708.758,5982		708.753,1541		708.747,6818	708.744,5660	
N:		7.090.469,2831	7.090.469,1829		7.090.468,9513		7.090.468,7185	7.090.468,5860	
Station: 12+1									
Dist. Eixo (m):				-4,094	-0,002	3,996			
Cota Camada 1 (m)				14,820	14,812	14,664			
Cota Camada 3 (m)				14,740	14,732	14,584			
Cota Camada 6 (m)				14,700	14,692	14,544			
Cota Camada 7 (m)				14,550	14,542	14,394			
Cota (m):				14,400	14,392	14,244			
E:				708.757,2926	708.753,2046	708.749,2105			
N:				7.090.467,9882	7.090.467,8143	7.090.467,6444			
Station: 12+10									
Dist. Eixo (m):				-4,047	0,000	4,044			
Cota Camada 1 (m)				14,779	14,727	14,585			
Cota Camada 3 (m)				14,699	14,647	14,505			
Cota Camada 6 (m)				14,659	14,607	14,465			
Cota Camada 7 (m)				14,509	14,457	14,315			
Cota (m):				14,359	14,307	14,165			
E:				708.757,6229	708.753,5792	708.749,5388			
N:				7.090.459,1324	7.090.458,9604	7.090.458,7885			
Station: 13+0									
Dist. Eixo (m):		-5,924	-3,995	-3,985	0,000	4,100	4,110	6,549	
Cota Camada 1 (m)				14,581	14,631	14,495			
Cota Camada 3 (m)				14,501	14,551	14,415			
Cota Camada 6 (m)				14,461	14,511	14,375			
Cota Camada 7 (m)				14,311	14,361	14,225			
Cota (m):		13,780	13,741	14,161	14,211	14,075	13,739	13,787	
E:		708.759,9229	708.757,9956	708.757,9856	708.754,0042	708.749,9079	708.749,8979	708.747,4607	
N:		7.090.449,2212	7.090.449,1392	7.090.449,1388	7.090.448,9694	7.090.448,7951	7.090.448,7947	7.090.448,6910	
Station: 13+10									
Dist. Eixo (m):		-5,835	-3,845	-3,835	0,000	4,205	4,215	6,539	
Cota Camada 1 (m)				14,458	14,534	14,450			
Cota Camada 3 (m)				14,378	14,454	14,370			
Cota Camada 6 (m)				14,338	14,414	14,330			
Cota Camada 7 (m)				14,188	14,264	14,180			
Cota (m):		13,688	13,648	14,038	14,114	14,030	13,640	13,687	
E:		708.760,2589	708.758,2707	708.758,2607	708.754,4292	708.750,2279	708.750,2180	708.747,8959	
N:		7.090.439,2265	7.090.439,1419	7.090.439,1414	7.090.438,9784	7.090.438,7997	7.090.438,7993	7.090.438,7005	
Station: 13+14									
Dist. Eixo (m):		-5,793	-3,774	-3,764	0,000	4,255	4,265	6,534	
Cota Camada 1 (m)				14,414	14,489	14,404			
Cota Camada 3 (m)				14,334	14,409	14,324			
Cota Camada 6 (m)				14,294	14,369	14,284			
Cota Camada 7 (m)				14,144	14,219	14,134			
Cota (m):		13,644	13,604	13,994	14,069	13,984	13,594	13,639	
E:		708.760,4173	708.758,4004	708.758,3904	708.754,6297	708.750,3789	708.750,3689	708.748,1012	
N:		7.090.434,5129	7.090.434,4271	7.090.434,4267	7.090.434,2667	7.090.434,0859	7.090.434,0854	7.090.433,9890	

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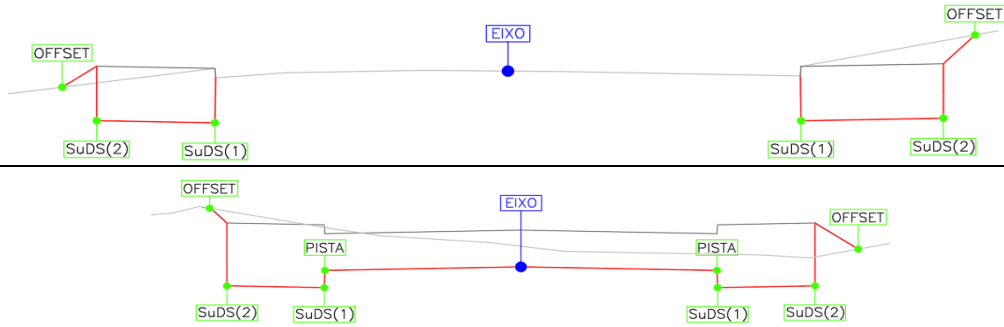
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 14+0									
Dist. Eixo (m):		-5,821	-3,764		0,000		4,174	6,337	
Cota (m):		13,621	13,579				13,571	13,615	
E:		708.760,6702	708.758,6152		708.754,8543		708.750,6845	708.748,5231	
N:		7.090.429,2349	7.090.429,1475		7.090.428,9875		7.090.428,8101	7.090.428,7181	
Station: 14+10									
Dist. Eixo (m):		-5,902	-3,783		0,000		4,138	6,256	
Cota (m):		13,565	13,523				13,516	13,558	
E:		708.761,1757	708.759,0584		708.755,2793		708.751,1450	708.749,0290	
N:		7.090.419,2474	7.090.419,1573		7.090.418,9965		7.090.418,8206	7.090.418,7306	
Station: 15+0									
Dist. Eixo (m):		-5,955	-3,801		0,000		4,102	6,174	
Cota (m):		13,445	13,402				13,396	13,438	
E:		708.761,6539	708.759,5016		708.755,7043		708.751,6056	708.749,5363	
N:		7.090.409,2587	7.090.409,1671		7.090.409,0056		7.090.408,8312	7.090.408,7432	
Station: 15+10									
Dist. Eixo (m):		-6,008	-3,819		0,000		4,067	6,066	
Cota (m):		13,364	13,320				13,315	13,355	
E:		708.762,1320	708.759,9449		708.756,1294		708.752,0661	708.750,0687	
N:		7.090.399,2700	7.090.399,1769		7.090.399,0146		7.090.398,8417	7.090.398,7568	
Station: 16+0									
Dist. Eixo (m):		-6,018	-3,837		0,000		4,031	5,970	
Cota (m):		13,333	13,289				13,285	13,324	
E:		708.762,5667	708.760,3881		708.756,5544		708.752,5266	708.750,5895	
N:		7.090.389,2794	7.090.389,1867		7.090.389,0236		7.090.388,8523	7.090.388,7699	
Station: 16+10									
Dist. Eixo (m):		-6,117	-3,855		0,000		3,996	5,963	
Cota (m):		13,328	13,283				13,280	13,319	
E:		708.763,0911	708.760,8313		708.756,9795		708.752,9871	708.751,0219	
N:		7.090.379,2927	7.090.379,1965		7.090.379,0327		7.090.378,8628	7.090.378,7792	
Station: 17+0									
Dist. Eixo (m):		-6,192	-3,890		0,000		3,966	6,193	
Cota (m):		13,333	13,287				13,285	13,330	
E:		708.763,5907	708.761,2911		708.757,4045		708.753,4422	708.751,2175	
N:		7.090.369,3049	7.090.369,2070		7.090.369,0417		7.090.368,8731	7.090.368,7785	
Station: 17+10									
Dist. Eixo (m):		-5,981	-3,956		0,000		3,937	6,100	
Cota (m):		13,262	13,221				13,222	13,265	
E:		708.763,8046	708.761,7816		708.757,8295		708.753,8964	708.751,7351	
N:		7.090.359,3049	7.090.359,2189		7.090.359,0507		7.090.358,8834	7.090.358,7915	
Station: 17+18									
Dist. Eixo (m):		-5,964	-4,014	-4,004	0,000	3,900	3,910	6,010	
Cota (m):		13,207	13,168	13,978	13,638	13,560	13,170	13,212	
E:		708.764,1668	708.762,2184	708.762,2084	708.758,2079	708.754,3114	708.754,3014	708.752,2033	
N:		7.090.350,4090	7.090.350,3261	7.090.350,3257	7.090.350,1555	7.090.349,9897	7.090.349,9893	7.090.349,9000	
Station: 18+0									
Dist. Eixo (m):		-5,972	-4,007	-3,997	0,000	3,896	3,906	6,094	
Cota Camada 1 (m)				13,947	14,026	13,949			
Cota Camada 3 (m)				13,867	13,946	13,869			
Cota Camada 6 (m)				13,827	13,906	13,829			
Cota Camada 7 (m)				13,707	13,786	13,709			
Cota (m):		13,206	13,167	13,557	13,636	13,559	13,169	13,212	
E:		708.764,2208	708.762,2582	708.762,2482	708.758,2546	708.754,3626	708.754,3526	708.752,1656	
N:		7.090.349,3136	7.090.349,2301	7.090.349,2297	7.090.349,0598	7.090.348,8942	7.090.348,8938	7.090.348,8007	

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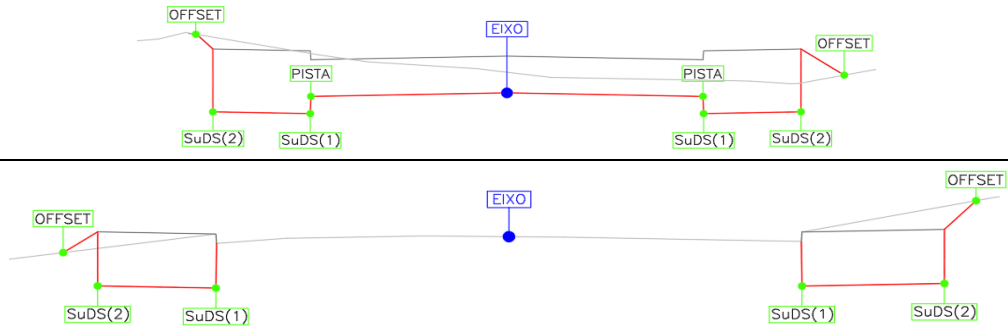
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 18+10									
Dist. Eixo (m):		-6,039	-4,002	-3,992	0,000	3,854	3,864	6,018	
Cota Camada 1 (m)				13,934	14,014	13,936			
Cota Camada 3 (m)				13,854	13,934	13,856			
Cota Camada 6 (m)				13,814	13,894	13,816			
Cota Camada 7 (m)				13,694	13,774	13,696			
Cota (m):		13,194	13,154	13,544	13,624	13,546	13,156	13,200	
E:		708.764,7134	708.762,6776	708.762,6677	708.758,6796	708.754,8294	708.754,8194	708.752,6666	
N:		7.090.339,3255	7.090.339,2389	7.090.339,2385	7.090.339,0688	7.090.338,9050	7.090.338,9046	7.090.338,8130	
Station: 18+19									
Dist. Eixo (m):		-6,107	-3,996	-3,986	0,000	3,812	3,822	5,942	
Cota Camada 1 (m)				13,921	14,001	13,924			
Cota Camada 3 (m)				13,841	13,921	13,844			
Cota Camada 6 (m)				13,801	13,881	13,804			
Cota Camada 7 (m)				13,681	13,761	13,684			
Cota (m):		13,183	13,141	13,531	13,611	13,534	13,144	13,187	
E:		708.765,2061	708.763,0971	708.763,0871	708.759,1046	708.755,2962	708.755,2862	708.753,1677	
N:		7.090.329,3374	7.090.329,2477	7.090.329,2473	7.090.329,0779	7.090.328,9158	7.090.328,9154	7.090.328,8253	
Station: 19+1									
Dist. Eixo (m):		-6,115	-3,995	-3,985	0,000	3,807	3,817	5,933	
Cota Camada 1 (m)				13,919	13,999	13,923			
Cota Camada 3 (m)				13,839	13,919	13,843			
Cota Camada 6 (m)				13,799	13,879	13,803			
Cota Camada 7 (m)				13,679	13,759	13,683			
Cota (m):		13,182	13,139	13,529	13,609	13,533	13,143	13,185	
E:		708.765,2671	708.763,1491	708.763,1391	708.759,1573	708.755,3541	708.755,3441	708.753,2298	
N:		7.090.328,0989	7.090.328,0088	7.090.328,0084	7.090.327,8390	7.090.327,6772	7.090.327,6767	7.090.327,5868	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA CARLOS GUILHERME JERKE (T2)

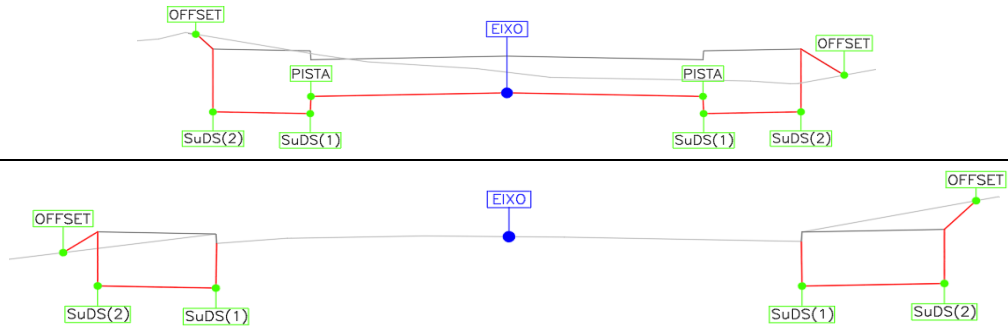
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 20+7									
Dist. Eixo (m):		-12,013	-10,835	-10,835	0,000	10,104	10,105	10,550	12,485
Cota Camada 1 (m)				13,213	13,430	13,228			
Cota Camada 3 (m)				13,133	13,350	13,148			
Cota Camada 6 (m)				13,093	13,310	13,108			
Cota Camada 7 (m)				12,973	13,190	12,988			
Cota (m):		12,443	12,420	12,823	13,040	12,838	12,790	12,799	12,465
E:		708.783,0691	708.781,8921	708.781,8921	708.771,0685	708.760,9749	708.760,9738	708.760,5293	708.758,5968
N:		7.090.058,6005	7.090.058,5466	7.090.058,5466	7.090.058,0509	7.090.057,5887	7.090.057,5886	7.090.057,5683	7.090.057,4798
Station: 20+10									
Dist. Eixo (m):		-8,953	-5,678	-5,668	0,000	6,144	6,154	9,218	10,316
Cota Camada 1 (m)				13,304	13,417	13,295			
Cota Camada 3 (m)				13,224	13,337	13,215			
Cota Camada 6 (m)				13,184	13,297	13,175			
Cota Camada 7 (m)				13,064	13,177	13,055			
Cota (m):		12,560	12,494	12,914	13,027	12,905	12,485	12,546	12,774
E:		708.780,1290	708.776,8578	708.776,8478	708.771,1855	708.765,0474	708.765,0374	708.761,9768	708.760,8803
N:		7.090.055,9071	7.090.055,7573	7.090.055,7569	7.090.055,4976	7.090.055,2165	7.090.055,2160	7.090.055,0759	7.090.055,0256
Station: 21+0									
Dist. Eixo (m):		-5,882	-3,699	-3,689	0,000	4,311	4,321	6,493	7,407
Cota Camada 1 (m)				13,276	13,350	13,264			
Cota Camada 3 (m)				13,196	13,270	13,184			
Cota Camada 6 (m)				13,156	13,230	13,144			
Cota Camada 7 (m)				13,036	13,110	13,024			
Cota (m):		12,510	12,466	12,886	12,960	12,874	12,454	12,497	12,848
E:		708.777,5191	708.775,3385	708.775,3285	708.771,6429	708.767,3366	708.767,3266	708.765,1571	708.764,2438
N:		7.090.045,7771	7.090.045,6773	7.090.045,6768	7.090.045,5080	7.090.045,3108	7.090.045,3104	7.090.045,2110	7.090.045,1692
Station: 21+10									
Dist. Eixo (m):		-5,952	-3,785	-3,775	0,000	4,226	4,236	6,370	7,733
Cota Camada 1 (m)				13,110	13,186	13,101			
Cota Camada 3 (m)				13,030	13,106	13,021			
Cota Camada 6 (m)				12,990	13,066	12,981			
Cota Camada 7 (m)				12,870	12,946	12,861			
Cota (m):		12,344	12,300	12,720	12,796	12,711	12,291	12,334	12,385
E:		708.778,0465	708.775,8812	708.775,8712	708.772,1004	708.767,8793	708.767,8693	708.765,7369	708.764,3752
N:		7.090.035,7908	7.090.035,6916	7.090.035,6912	7.090.035,5185	7.090.035,3252	7.090.035,3247	7.090.035,2271	7.090.035,1647
Station: 22+0									
Dist. Eixo (m):	-8,625	-6,023	-3,870	-3,860	0,000	4,140	4,150	6,248	6,918
Cota Camada 1 (m)				12,861	12,938	12,855			
Cota Camada 3 (m)				12,781	12,858	12,775			
Cota Camada 6 (m)				12,741	12,818	12,735			
Cota Camada 7 (m)				12,621	12,698	12,615			
Cota (m):	11,318	12,094	12,051	12,471	12,548	12,465	12,045	12,087	12,600
E:	708.781,1742	708.778,5742	708.776,4238	708.776,4139	708.772,5579	708.768,4219	708.768,4120	708.766,3167	708.765,6468
N:	7.090.025,9236	7.090.025,8045	7.090.025,7060	7.090.025,7056	7.090.025,5290	7.090.025,3396	7.090.025,3391	7.090.025,2432	7.090.025,2125
Station: 22+10									
Dist. Eixo (m):		-6,092	-3,955	-3,945	0,000	4,055	4,065	6,125	
Cota Camada 1 (m)				12,669	12,748	12,667			
Cota Camada 3 (m)				12,589	12,668	12,587			
Cota Camada 6 (m)				12,549	12,628	12,547			
Cota Camada 7 (m)				12,429	12,508	12,427			
Cota (m):		11,902	11,859	12,279	12,358	12,277	11,857	11,898	
E:		708.779,1014	708.776,9665	708.776,9565	708.773,0153	708.768,9646	708.768,9546	708.766,8964	
N:		7.090.015,8182	7.090.015,7204	7.090.015,7199	7.090.015,5394	7.090.015,3539	7.090.015,3535	7.090.015,2592	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA CARLOS GUILHERME JERKE (T2)

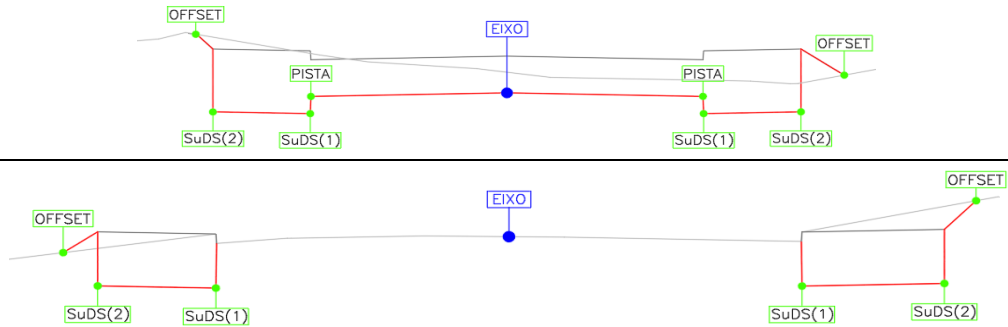
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 22+17									
Dist. Eixo (m):		-6,149	-4,024	-4,014	0,000	3,987	3,997	6,027	
Cota Camada 1 (m)				12,610	12,691	12,611			
Cota Camada 3 (m)				12,530	12,611	12,531			
Cota Camada 6 (m)				12,490	12,571	12,491			
Cota Camada 7 (m)				12,370	12,451	12,371			
Cota (m):		11,843	11,800	12,220	12,301	12,221	11,801	11,841	
E:		708.779,5234	708.777,4007	708.777,3907	708.773,3813	708.769,3988	708.769,3888	708.767,3602	
N:		7.090.007,8291	7.090.007,7319	7.090.007,7314	7.090.007,5478	7.090.007,3654	7.090.007,3650	7.090.007,2721	
Station: 23+0									
Dist. Eixo (m):		-6,166	-4,041		0,000		3,980	6,167	
Cota (m):		11,841	11,799			11,800	11,844		
E:		708.779,6326	708.777,5092		708.773,4728	708.769,4973	708.767,3118		
N:		7.090.005,8320	7.090.005,7348		7.090.005,5499	7.090.005,3679	7.090.005,2678		
Station: 23+10									
Dist. Eixo (m):		-6,269	-4,126		0,000		3,894	6,161	
Cota (m):		11,813	11,770			11,775	11,820		
E:		708.780,1923	708.778,0519		708.773,9303	708.770,0400	708.767,7757		
N:		7.089.995,8472	7.089.995,7491		7.089.995,5604	7.089.995,3822	7.089.995,2785		
Station: 24+0									
Dist. Eixo (m):		-6,371	-4,211		0,000		3,809	6,155	
Cota (m):		11,810	11,766			11,774	11,821		
E:		708.780,7520	708.778,5946		708.774,3878	708.770,5827	708.768,2396		
N:		7.089.985,8623	7.089.985,7635		7.089.985,5709	7.089.985,3966	7.089.985,2893		
Station: 24+10									
Dist. Eixo (m):		-6,473	-4,297		0,000		3,724	6,148	
Cota (m):		11,819	11,776			11,787	11,836		
E:		708.781,3117	708.779,1372		708.774,8452	708.771,1253	708.768,7036		
N:		7.089.975,8775	7.089.975,7779		7.089.975,5813	7.089.975,4110	7.089.975,3001		
Station: 25+0									
Dist. Eixo (m):		-6,547	-4,337		0,000		3,684	6,142	
Cota (m):		11,807	11,763			11,776	11,825		
E:		708.781,8428	708.779,6350		708.775,3027	708.771,6228	708.769,1675		
N:		7.089.965,8913	7.089.965,7902		7.089.965,5918	7.089.965,4233	7.089.965,3108		
Station: 25+10									
Dist. Eixo (m):		-6,425	-4,212		0,000		3,808	6,135	
Cota (m):		11,819	11,775			11,783	11,830		
E:		708.782,1780	708.779,9680		708.775,7602	708.771,9558	708.769,6314		
N:		7.089.955,8962	7.089.955,7950		7.089.955,6023	7.089.955,4280	7.089.955,3216		
Station: 26+0									
Dist. Eixo (m):		-6,329	-4,088		0,000		3,933	6,129	
Cota (m):		11,831	11,786			11,789	11,833		
E:		708.782,5396	708.780,3010		708.776,2176	708.772,2888	708.770,0953		
N:		7.089.945,9022	7.089.945,7997		7.089.945,6127	7.089.945,4328	7.089.945,3324		
Station: 26+10									
Dist. Eixo (m):		-6,214	-3,963		0,000		4,058	6,122	
Cota (m):		11,806	11,761			11,759	11,800		
E:		708.782,8826	708.780,6340		708.776,6751	708.772,6218	708.770,5600		
N:		7.089.935,9075	7.089.935,8045		7.089.935,6232	7.089.935,4376	7.089.935,3432		
Station: 27+0									
Dist. Eixo (m):		-6,040	-3,838		0,000		4,182	6,111	
Cota (m):		11,760	11,716			11,709	11,748		
E:		708.783,1663	708.780,9670		708.777,1326	708.772,9548	708.771,0283		
N:		7.089.925,9100	7.089.925,8093		7.089.925,6337	7.089.925,4424	7.089.925,3541		
Station: 28+3									
Dist. Eixo (m):		-6,326	-5,135	-5,125	0,000	5,000	5,010	6,200	
Cota (m):		12,088	12,064	12,184	12,175	12,075	11,955	11,979	
E:		708.784,5335	708.783,3445	708.783,3345	708.778,2145	708.773,2198	708.773,2098	708.772,0210	
N:		7.089.902,2968	7.089.902,2424	7.089.902,2419	7.089.902,0075	7.089.901,7787	7.089.901,7783	7.089.901,7238	

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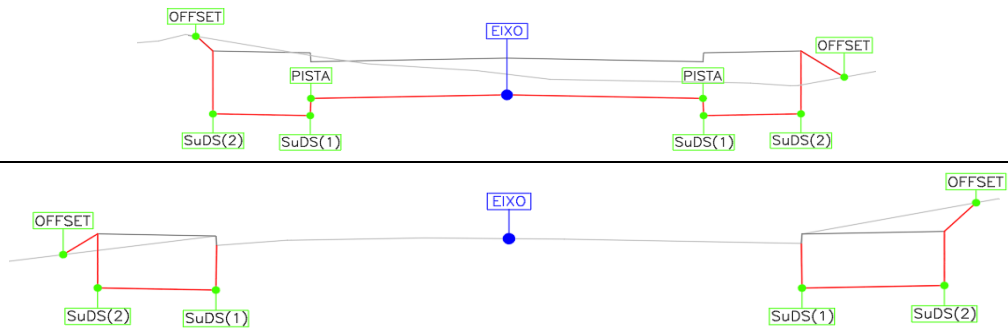
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 28+10									
Dist. Eixo (m):		-6,027	-4,023	-4,013	0,000	3,987	3,997	5,974	
Cota Camada 1 (m)				12,475	12,556	12,476			
Cota Camada 3 (m)				12,395	12,476	12,396			
Cota Camada 6 (m)				12,355	12,436	12,356			
Cota Camada 7 (m)				12,235	12,316	12,236			
Cota (m):		12,005	11,965	12,085	12,166	12,086	11,966	12,005	
E:		708.784,5122	708.782,5236	708.782,5136	708.778,5050	708.774,5220	708.774,5120	708.772,5371	
N:		7.089.895,9240	7.089.895,8491	7.089.895,8487	7.089.895,6651	7.089.895,4827	7.089.895,4822	7.089.895,3918	
Station: 28+14									
Dist. Eixo (m):		-6,014	-4,010	-4,000	0,000	4,000	4,010	5,987	
Cota Camada 1 (m)				12,468	12,548	12,468			
Cota Camada 3 (m)				12,388	12,468	12,388			
Cota Camada 6 (m)				12,348	12,428	12,348			
Cota Camada 7 (m)				12,228	12,308	12,228			
Cota (m):		11,999	11,958	12,078	12,158	12,078	11,958	11,998	
E:		708.784,7291	708.782,7272	708.782,7173	708.778,7210	708.774,7256	708.774,7156	708.772,7403	
N:		7.089.891,2235	7.089.891,1318	7.089.891,1314	7.089.890,9484	7.089.890,7654	7.089.890,7649	7.089.890,6745	
Station: 29+0									
Dist. Eixo (m):		-6,014	-4,010	-4,000	0,000	4,000	4,010	5,987	
Cota Camada 1 (m)				12,461	12,541	12,461			
Cota Camada 3 (m)				12,381	12,461	12,381			
Cota Camada 6 (m)				12,341	12,421	12,341			
Cota Camada 7 (m)				12,221	12,301	12,221			
Cota (m):		11,991	11,951	12,071	12,151	12,071	11,951	11,990	
E:		708.784,9571	708.782,9553	708.782,9454	708.778,9487	708.774,9528	708.774,9428	708.772,9669	
N:		7.089.885,9343	7.089.885,8479	7.089.885,8475	7.089.885,6749	7.089.885,5024	7.089.885,5020	7.089.885,4167	
Station: 29+10									
Dist. Eixo (m):		-6,013	-4,010	-4,000	0,000	4,000	4,010	5,988	
Cota Camada 1 (m)				12,446	12,526	12,446			
Cota Camada 3 (m)				12,366	12,446	12,366			
Cota Camada 6 (m)				12,326	12,406	12,326			
Cota Camada 7 (m)				12,206	12,286	12,206			
Cota (m):		11,976	11,936	12,056	12,136	12,056	11,936	11,975	
E:		708.785,3878	708.783,3866	708.783,3767	708.779,3800	708.775,3841	708.775,3741	708.773,3973	
N:		7.089.875,9436	7.089.875,8572	7.089.875,8568	7.089.875,6842	7.089.875,5117	7.089.875,5113	7.089.875,4260	
Station: 30+0									
Dist. Eixo (m):		-6,013	-4,010	-4,000	0,000	4,000	4,010	5,989	
Cota Camada 1 (m)				12,431	12,511	12,431			
Cota Camada 3 (m)				12,351	12,431	12,351			
Cota Camada 6 (m)				12,311	12,391	12,311			
Cota Camada 7 (m)				12,191	12,271	12,191			
Cota (m):		11,961	11,921	12,041	12,121	12,041	11,921	11,960	
E:		708.785,8186	708.783,8179	708.783,8080	708.779,8113	708.775,8154	708.775,8054	708.773,8278	
N:		7.089.865,9529	7.089.865,8665	7.089.865,8661	7.089.865,6935	7.089.865,5210	7.089.865,5206	7.089.865,4352	
Station: 30+10									
Dist. Eixo (m):		-6,012	-4,010	-4,000	0,000	4,000	4,010	5,990	
Cota Camada 1 (m)				12,416	12,496	12,416			
Cota Camada 3 (m)				12,336	12,416	12,336			
Cota Camada 6 (m)				12,296	12,376	12,296			
Cota Camada 7 (m)				12,176	12,256	12,176			
Cota (m):		11,946	11,906	12,026	12,106	12,026	11,906	11,945	
E:		708.786,2493	708.784,2492	708.784,2393	708.780,2426	708.776,2467	708.776,2367	708.774,2583	
N:		7.089.855,9622	7.089.855,8758	7.089.855,8754	7.089.855,7029	7.089.855,5303	7.089.855,5299	7.089.855,4445	

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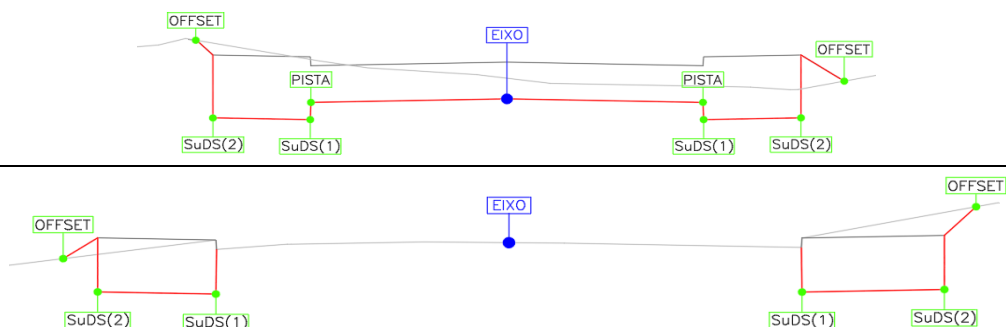
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 31+0									
Dist. Eixo (m):	-6,074	-6,012	-4,010	-4,000	0,000	4,000	4,010	5,991	
Cota Camada 1 (m)				12,401	12,481	12,401			
Cota Camada 3 (m)				12,321	12,401	12,321			
Cota Camada 6 (m)				12,281	12,361	12,281			
Cota Camada 7 (m)				12,161	12,241	12,161			
Cota (m):	12,549	11,931	11,891	12,011	12,091	12,011	11,891	11,930	
E:	708.786,7427	708.786,6800	708.784,6805	708.784,6705	708.780,6740	708.776,6780	708.776,6680	708.774,6887	
N:	7.089.845,9742	7.089.845,9715	7.089.845,8851	7.089.845,8847	7.089.845,7122	7.089.845,5396	7.089.845,5392	7.089.845,4538	
Station: 31+10									
Dist. Eixo (m):		-6,011	-4,010	-4,000	0,000	4,000	4,010	5,992	
Cota Camada 1 (m)				12,386	12,466	12,386			
Cota Camada 3 (m)				12,306	12,386	12,306			
Cota Camada 6 (m)				12,266	12,346	12,266			
Cota Camada 7 (m)				12,146	12,226	12,146			
Cota (m):		11,916	11,876	11,996	12,076	11,996	11,876	11,915	
E:		708.787,1107	708.785,1118	708.785,1018	708.781,1053	708.777,1093	708.777,0993	708.775,1192	
N:		7.089.835,9807	7.089.835,8944	7.089.835,8940	7.089.835,7215	7.089.835,5489	7.089.835,5485	7.089.835,4630	
Station: 32+0									
Dist. Eixo (m):		-6,010	-4,010	-4,000	0,000	4,000	4,010	5,993	
Cota Camada 1 (m)				12,371	12,451	12,371			
Cota Camada 3 (m)				12,291	12,371	12,291			
Cota Camada 6 (m)				12,251	12,331	12,251			
Cota Camada 7 (m)				12,131	12,211	12,131			
Cota (m):		11,901	11,861	11,981	12,061	11,981	11,861	11,900	
E:		708.787,5413	708.785,5431	708.785,5331	708.781,5366	708.777,5406	708.777,5306	708.775,5497	
N:		7.089.825,9900	7.089.825,9037	7.089.825,9033	7.089.825,7308	7.089.825,5583	7.089.825,5578	7.089.825,4723	
Station: 32+10									
Dist. Eixo (m):		-6,009	-4,010	-4,000	0,000	4,000	4,010	5,993	
Cota Camada 1 (m)				12,356	12,436	12,356			
Cota Camada 3 (m)				12,276	12,356	12,276			
Cota Camada 6 (m)				12,236	12,316	12,236			
Cota Camada 7 (m)				12,116	12,196	12,116			
Cota (m):		11,886	11,846	11,966	12,046	11,966	11,846	11,885	
E:		708.787,9718	708.785,9744	708.785,9644	708.781,9680	708.777,9719	708.777,9619	708.775,9801	
N:		7.089.815,9993	7.089.815,9131	7.089.815,9126	7.089.815,7401	7.089.815,5676	7.089.815,5671	7.089.815,4816	
Station: 33+0									
Dist. Eixo (m):		-6,009	-4,010	-4,000	0,000	4,000	4,010	5,994	
Cota Camada 1 (m)				12,341	12,421	12,341			
Cota Camada 3 (m)				12,261	12,341	12,261			
Cota Camada 6 (m)				12,221	12,301	12,221			
Cota Camada 7 (m)				12,101	12,181	12,101			
Cota (m):		11,871	11,831	11,951	12,031	11,951	11,831	11,870	
E:		708.788,4025	708.786,4057	708.786,3957	708.782,3993	708.778,4032	708.778,3932	708.776,4106	
N:		7.089.806,0086	7.089.805,9224	7.089.805,9219	7.089.805,7494	7.089.805,5769	7.089.805,5764	7.089.805,4908	
Station: 33+10									
Dist. Eixo (m):		-6,008	-4,010	-4,000	0,000	4,000	4,010	5,995	
Cota Camada 1 (m)				12,342	12,422	12,342			
Cota Camada 3 (m)				12,262	12,342	12,262			
Cota Camada 6 (m)				12,222	12,302	12,222			
Cota Camada 7 (m)				12,102	12,182	12,102			
Cota (m):		11,872	11,832	11,952	12,032	11,952	11,832	11,872	
E:		708.788,8331	708.786,8370	708.786,8270	708.782,8306	708.778,8345	708.778,8245	708.776,8410	
N:		7.089.796,0178	7.089.795,9317	7.089.795,9312	7.089.795,7587	7.089.795,5862	7.089.795,5857	7.089.795,5001	

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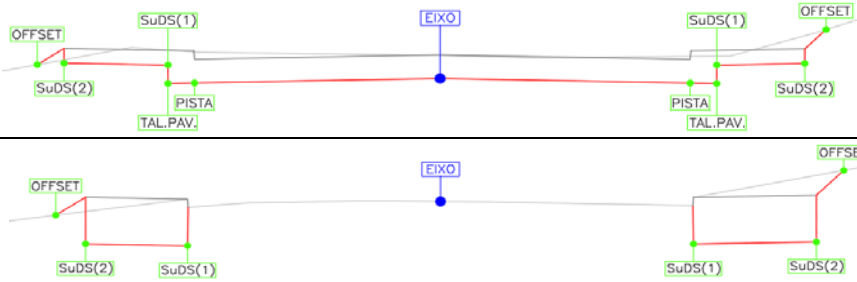
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 34+0									
Dist. Eixo (m):		-6,007	-4,010	-4,000	0,000	4,000	4,010	5,996	
Cota Camada 1 (m)				12,378	12,458	12,378			
Cota Camada 3 (m)				12,298	12,378	12,298			
Cota Camada 6 (m)				12,258	12,338	12,258			
Cota Camada 7 (m)				12,138	12,218	12,138			
Cota (m):		11,908	11,868	11,988	12,068	11,988	11,868	11,908	
E:		708.789,2638	708.787,2683	708.787,2583	708.783,2619	708.779,2658	708.779,2558	708.777,2715	
N:		7.089.786,0271	7.089.785,9410	7.089.785,9405	7.089.785,7680	7.089.785,5955	7.089.785,5950	7.089.785,5094	
Station: 34+10									
Dist. Eixo (m):		-6,007	-4,010	-4,000	0,000	4,000	4,010	5,997	
Cota Camada 1 (m)				12,430	12,510	12,430			
Cota Camada 3 (m)				12,350	12,430	12,350			
Cota Camada 6 (m)				12,310	12,390	12,310			
Cota Camada 7 (m)				12,190	12,270	12,190			
Cota (m):		11,960	11,920	12,040	12,120	12,040	11,920	11,960	
E:		708.789,6945	708.787,6996	708.787,6896	708.783,6933	708.779,6971	708.779,6871	708.777,7020	
N:		7.089.776,0364	7.089.775,9503	7.089.775,9498	7.089.775,7773	7.089.775,6048	7.089.775,6043	7.089.775,5186	
Station: 35+0									
Dist. Eixo (m):		-6,006	-4,010	-4,000	0,000	4,000	4,010	5,998	
Cota Camada 1 (m)				12,482	12,562	12,482			
Cota Camada 3 (m)				12,402	12,482	12,402			
Cota Camada 6 (m)				12,362	12,442	12,362			
Cota Camada 7 (m)				12,242	12,322	12,242			
Cota (m):		12,012	11,972	12,092	12,172	12,092	11,972	12,012	
E:		708.790,1251	708.788,1309	708.788,1209	708.784,1246	708.780,1284	708.780,1184	708.778,1324	
N:		7.089.766,0457	7.089.765,9596	7.089.765,9591	7.089.765,7866	7.089.765,6141	7.089.765,6137	7.089.765,5279	
Station: 35+10									
Dist. Eixo (m):		-6,005	-4,010	-4,000	0,000	4,000	4,010	5,999	
Cota Camada 1 (m)				12,535	12,615	12,535			
Cota Camada 3 (m)				12,455	12,535	12,455			
Cota Camada 6 (m)				12,415	12,495	12,415			
Cota Camada 7 (m)				12,295	12,375	12,295			
Cota (m):		12,065	12,025	12,145	12,225	12,145	12,025	12,064	
E:		708.790,5558	708.788,5622	708.788,5522	708.784,5559	708.780,5597	708.780,5497	708.778,5629	
N:		7.089.756,0550	7.089.755,9689	7.089.755,9685	7.089.755,7959	7.089.755,6234	7.089.755,6230	7.089.755,5372	
Station: 35+19									
Dist. Eixo (m):	-6,100	-6,005	-4,010	-4,000	0,000	4,000	4,010	5,999	6,167
Cota Camada 1 (m)				12,583	12,663	12,583			
Cota Camada 3 (m)				12,503	12,583	12,503			
Cota Camada 6 (m)				12,463	12,543	12,463			
Cota Camada 7 (m)				12,343	12,423	12,343			
Cota (m):	12,868	12,112	12,073	12,193	12,273	12,193	12,073	12,112	12,661
E:	708.791,0456	708.790,9502	708.788,9572	708.788,9472	708.784,9509	708.780,9547	708.780,9447	708.778,9571	708.778,7896
N:	7.089.746,9097	7.089.746,9056	7.089.746,8195	7.089.746,8191	7.089.746,6465	7.089.746,4740	7.089.746,4736	7.089.746,3878	7.089.746,3805

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RUA CARLOS VITOR HARDT

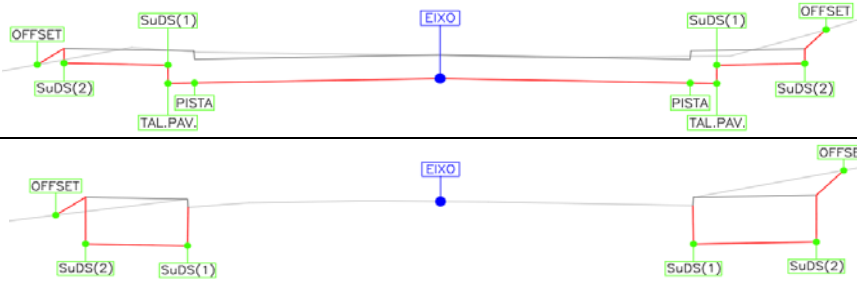
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):		-1,200	-0,398	-0,398		0,000	6,503	6,901	6,901	10,755	
Cota Camada 1 (m)					0,390	17,435	17,305				
Cota Camada 3 (m)					0,310	17,355	17,225				
Cota Camada 6 (m)					0,270	17,315	17,185				
Cota Camada 7 (m)					0,150	17,195	17,065				
Cota (m):		17,609	17,593	17,333		17,045	16,915	16,907	17,203	17,280	
E:		708.948,2070	708.947,4068	708.947,4068		708.947,0096	708.940,5221	708.940,1251	708.940,1251	708.936,2803	
N:		7.090.867,2068	7.090.867,1518	7.090.867,1518		7.090.867,1245	7.090.866,6783	7.090.866,6510	7.090.866,6510	7.090.866,3866	
Station: 0+10											
Dist. Eixo (m):	-6,197	-6,125	-4,406	-4,406	-4,007	0,000	4,000	4,398	4,398	6,000	6,006
Cota Camada 1 (m)					17,403	17,483	17,403				
Cota Camada 3 (m)					17,323	17,403	17,323				
Cota Camada 6 (m)					17,283	17,363	17,283				
Cota Camada 7 (m)					17,163	17,243	17,163				
Cota (m):	17,547	17,335	17,301	17,005	17,013	17,093	17,013	17,005	17,301	17,333	17,589
E:	708.953,8781	708.953,8058	708.952,0908	708.952,0908	708.951,6936	708.947,6957	708.943,7051	708.943,3081	708.943,3081	708.941,7097	708.941,7035
N:	7.090.857,5732	7.090.857,5682	7.090.857,4503	7.090.857,4503	7.090.857,4229	7.090.857,1480	7.090.856,8736	7.090.856,8463	7.090.856,8463	7.090.856,7364	7.090.856,7360
Station: 1+0											
Dist. Eixo (m):	-6,007	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,000	6,013
Cota Camada 1 (m)					17,490	17,570	17,490				
Cota Camada 3 (m)					17,410	17,490	17,410				
Cota Camada 6 (m)					17,370	17,450	17,370				
Cota Camada 7 (m)					17,250	17,330	17,250				
Cota (m):	17,686	17,420	17,388	17,092	17,100	17,180	17,100	17,092	17,388	17,420	17,692
E:	708.954,3742	708.954,3678	708.952,7695	708.952,7695	708.952,3723	708.948,3817	708.944,3911	708.943,9941	708.943,9941	708.942,3958	708.942,3830
N:	7.090.847,5837	7.090.847,5832	7.090.847,4733	7.090.847,4733	7.090.847,4460	7.090.847,1716	7.090.846,8972	7.090.846,8699	7.090.846,8699	7.090.846,7599	7.090.846,7591
Station: 1+10											
Dist. Eixo (m):		-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,000	6,027
Cota Camada 1 (m)					17,648	17,728	17,648				
Cota Camada 3 (m)					17,568	17,648	17,568				
Cota Camada 6 (m)					17,528	17,608	17,528				
Cota Camada 7 (m)					17,408	17,488	17,408				
Cota (m):		17,578	17,545	17,250	17,258	17,338	17,258	17,250	17,546	17,578	17,864
E:		708.955,0536	708.953,4555	708.953,4555	708.953,0583	708.949,0678	708.945,0772	708.944,6802	708.944,6802	708.943,0818	708.943,0551
N:		7.090.837,6068	7.090.837,4969	7.090.837,4969	7.090.837,4696	7.090.837,1951	7.090.836,9207	7.090.836,8934	7.090.836,8934	7.090.836,7835	7.090.836,7817
Station: 2+0											
Dist. Eixo (m):		-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,000	6,007
Cota Camada 1 (m)					17,877	17,957	17,877				
Cota Camada 3 (m)					17,797	17,877	17,797				
Cota Camada 6 (m)					17,757	17,837	17,757				
Cota Camada 7 (m)					17,637	17,717	17,637				
Cota (m):		17,807	17,775	17,479	17,487	17,567	17,487	17,479	17,775	17,807	18,074
E:		708.955,7397	708.954,1416	708.954,1416	708.953,7444	708.949,7538	708.945,7632	708.945,3662	708.945,3662	708.943,7679	708.943,7613
N:		7.090.827,6303	7.090.827,5204	7.090.827,5204	7.090.827,4931	7.090.827,2187	7.090.826,9443	7.090.826,9170	7.090.826,9170	7.090.826,8071	7.090.826,8066
Station: 2+10											
Dist. Eixo (m):		-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,000	6,020
Cota Camada 1 (m)					18,178	18,258	18,178				
Cota Camada 3 (m)					18,098	18,178	18,098				
Cota Camada 6 (m)					18,058	18,138	18,058				
Cota Camada 7 (m)					17,938	18,018	17,938				
Cota (m):		18,108	18,076	17,780	17,788	17,868	17,788	17,780	18,076	18,108	18,354
E:		708.956,4257	708.954,8276	708.954,8276	708.954,4304	708.950,4398	708.946,4493	708.946,0522	708.946,0522	708.944,4540	708.944,4338
N:		7.090.817,6539	7.090.817,5440	7.090.817,5440	7.090.817,5167	7.090.817,2423	7.090.816,9678	7.090.816,9405	7.090.816,9405	7.090.816,8306	7.090.816,8292
Station: 2+15											
Dist. Eixo (m):		-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,397	4,397	5,999	
Cota Camada 1 (m)					18,364	18,444	18,364				
Cota Camada 3 (m)					18,284	18,364	18,284				
Cota Camada 6 (m)					18,244	18,324	18,244				
Cota Camada 7 (m)					18,124	18,204	18,124				
Cota (m):		18,294	18,262	17,966	17,974	18,054	17,974	17,966	18,262	18,294	
E:		708.956,7848	708.955,1867	708.955,1867	708.954,7895	708.950,7989	708.946,8084	708.946,4114	708.946,4114	708.944,8131	
N:		7.090.812,4319	7.090.812,3220	7.090.812,3220	7.090.812,2947	7.090.812,0203	7.090.811,7459	7.090.811,7186	7.090.811,7186	7.090.811,6087	
Station: 3+0											
Dist. Eixo (m):		-6,045	-4,443	-4,443	-4,045	0,000	3,955	4,353	4,353	5,955	
Cota Camada 1 (m)					18,549	18,630	18,551				
Cota Camada 3 (m)					18,469	18,550	18,471				
Cota Camada 6 (m)					18,429	18,510	18,431				
Cota Camada 7 (m)					18,309	18,390	18,311				
Cota (m):		18,479	18,447	18,151	18,159	18,240	18,161	18,153	18,449	18,481	
E:		708.957,0927	708.955,4931	708.955,4931	708.955,0955	708.951,0564	708.947,1069	708.946,7095	708.946,7095	708.945,1097	
N:		7.090.807,5881	7.090.807,5016	7.090.807,5016	7.090.807,4801	7.090.807,2615	7.090.807,0479	7.090.807,0264	7.090.807,0264	7.090.806,9398	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA CARLOS VITOR HARDT

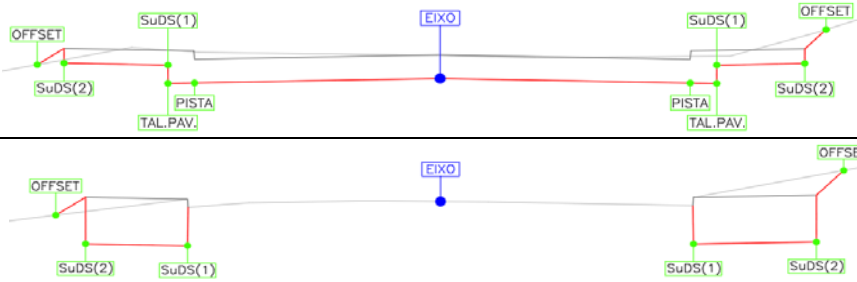
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 3+10											
Dist. Eixo (m):	-6,265	-6,130	-4,528	-4,528	-4,129	0,000	3,871	4,269	4,269	5,871	
Cota Camada 1 (m)					18,992	19,074	18,997				
Cota Camada 3 (m)					18,912	18,994	18,917				
Cota Camada 6 (m)					18,872	18,954	18,877				
Cota Camada 7 (m)					18,752	18,834	18,757				
Cota (m):	19,317	18,921	18,889	18,594	18,602	18,684	18,607	18,599	18,895	18,927	
E:	708.957,8523	708.957,7173	708.956,1176	708.956,1176	708.955,7200	708.951,5966	708.947,7316	708.947,3343	708.947,3343	708.945,7346	
N:	7.090.797,6146	7.090.797,6073	7.090.797,5207	7.090.797,5207	7.090.797,4992	7.090.797,2762	7.090.797,0671	7.090.797,0456	7.090.797,0456	7.090.796,9590	
Station: 4+0											
Dist. Eixo (m):	-6,152	-6,105	-4,503	-4,503	-4,105	0,000	3,895	4,293	4,293	5,895	
Cota Camada 1 (m)					19,507	19,589	19,511				
Cota Camada 3 (m)					19,427	19,509	19,431				
Cota Camada 6 (m)					19,387	19,469	19,391				
Cota Camada 7 (m)					19,267	19,349	19,271				
Cota (m):	19,693	19,437	19,405	19,109	19,117	19,199	19,121	19,114	19,409	19,441	
E:	708.958,2796	708.958,2328	708.956,6333	708.956,6333	708.956,2358	708.952,1368	708.948,2474	708.947,8500	708.947,8500	708.946,2503	
N:	7.090.787,6231	7.090.787,6205	7.090.787,5340	7.090.787,5340	7.090.787,5125	7.090.787,2908	7.090.787,0803	7.090.787,0588	7.090.787,0588	7.090.786,9723	
Station: 4+10											
Dist. Eixo (m):	-6,135	-6,081	-4,479	-4,479	-4,081	0,000	3,920	4,317	4,317	5,920	6,035
Cota Camada 1 (m)					20,056	20,138	20,060				
Cota Camada 3 (m)					19,976	20,058	19,980				
Cota Camada 6 (m)					19,936	20,018	19,940				
Cota Camada 7 (m)					19,816	19,898	19,820				
Cota (m):	20,037	19,986	19,954	19,658	19,666	19,748	19,670	19,662	19,957	19,989	20,364
E:	708.958,8026	708.958,7486	708.957,1491	708.957,1491	708.956,7515	708.952,6770	708.948,7632	708.948,3658	708.948,3658	708.946,6512	708.946,6512
N:	7.090.777,6367	7.090.777,6338	7.090.777,5473	7.090.777,5473	7.090.777,5258	7.090.777,3054	7.090.777,0936	7.090.777,0721	7.090.777,0721	7.090.776,9856	7.090.776,9794
Station: 5+0											
Dist. Eixo (m):		-6,056	-4,454	-4,454	-4,056	0,000	3,944	4,342	4,342	5,944	6,134
Cota Camada 1 (m)					20,605	20,687	20,608				
Cota Camada 3 (m)					20,525	20,607	20,528				
Cota Camada 6 (m)					20,485	20,567	20,488				
Cota Camada 7 (m)					20,365	20,447	20,368				
Cota (m):		20,535	20,503	20,207	20,215	20,297	20,218	20,210	20,505	20,537	20,988
E:		708.959,2644	708.957,6649	708.957,6649	708.957,2673	708.953,2172	708.949,2789	708.948,8816	708.948,8816	708.947,2819	708.947,0921
N:		7.090.767,6471	7.090.767,5606	7.090.767,5606	7.090.767,5391	7.090.767,3200	7.090.767,1069	7.090.767,0854	7.090.767,0854	7.090.766,9989	7.090.766,9886
Station: 5+10											
Dist. Eixo (m):		-6,032	-4,430	-4,430	-4,032	0,000	3,968	4,366	4,366	5,968	6,021
Cota Camada 1 (m)					21,147	21,227	21,148				
Cota Camada 3 (m)					21,067	21,147	21,068				
Cota Camada 6 (m)					21,027	21,107	21,028				
Cota Camada 7 (m)					20,907	20,987	20,908				
Cota (m):		21,077	21,044	20,749	20,757	20,837	20,758	20,750	21,046	21,078	21,303
E:		708.959,7801	708.958,1806	708.958,1806	708.957,7831	708.953,7574	708.949,7947	708.949,3973	708.949,3973	708.947,7976	708.947,7451
N:		7.090.757,6604	7.090.757,5738	7.090.757,5738	7.090.757,5523	7.090.757,3346	7.090.757,1202	7.090.757,0987	7.090.757,0987	7.090.757,0121	7.090.757,0093
Station: 6+0											
Dist. Eixo (m):		-6,007	-4,405	-4,405	-4,007	0,000	3,993	4,391	4,391	5,993	
Cota Camada 1 (m)					21,643	21,723	21,643				
Cota Camada 3 (m)					21,563	21,643	21,563				
Cota Camada 6 (m)					21,523	21,603	21,523				
Cota Camada 7 (m)					21,403	21,483	21,403				
Cota (m):		21,573	21,541	21,245	21,253	21,333	21,253	21,245	21,541	21,573	
E:		708.960,2959	708.958,6964	708.958,6964	708.958,2988	708.954,2975	708.950,3105	708.949,9131	708.949,9131	708.948,3134	
N:		7.090.747,6737	7.090.747,5871	7.090.747,5871	7.090.747,5656	7.090.747,3492	7.090.747,1335	7.090.747,1120	7.090.747,1120	7.090.747,0254	
Station: 6+2											
Dist. Eixo (m):		-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,000	6,008
Cota Camada 1 (m)					21,778	21,858	21,778				
Cota Camada 3 (m)					21,698	21,778	21,698				
Cota Camada 6 (m)					21,658	21,738	21,658				
Cota Camada 7 (m)					21,538	21,618	21,538				
Cota (m):		21,708	21,675	21,380	21,388	21,468	21,388	21,380	21,676	21,708	21,708
E:		708.960,4455	708.958,8460	708.958,8460	708.958,4485	708.954,4543	708.950,4601	708.950,0627	708.950,0627	708.948,4630	708.948,4548
N:		7.090.744,7764	7.090.744,6899	7.090.744,6899	7.090.744,6683	7.090.744,4523	7.090.744,2362	7.090.744,2147	7.090.744,2147	7.090.744,1281	7.090.744,1277
Station: 6+10											
Dist. Eixo (m):		-6,023	-4,421	-4,421	-4,023	0,000	3,977	4,375	4,375	6,088	
Cota Camada 1 (m)					22,089	22,169	22,090				
Cota Camada 3 (m)					22,009	22,089	22,010				
Cota Camada 6 (m)					21,969	22,049	21,970				
Cota Camada 7 (m)					21,849	21,929	21,850				
Cota (m):		22,019	21,987	21,691	21,699	21,779	21,700	21,692	21,988	22,022	
E:		708.960,8067	708.959,2065	708.959,2065	708.958,8087	708.954,7905	708.950,8177	708.950,4202	708.950,4202	708.948,7093	
N:		7.090.737,6466	7.090.737,5707	7.090.737,5707	7.090.737,5519	7.090.737,3614	7.090.737,1730	7.090.737,1514	7.090.737,1514	7.090.737,0730	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
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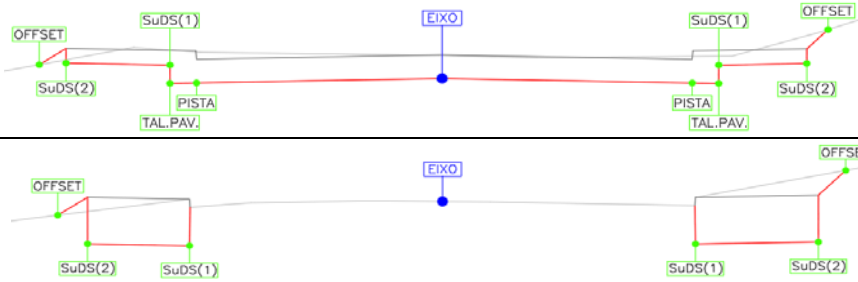
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 7+0											
Dist. Eixo (m):		-6,055	-4,453	-4,453	-4,055	0,000	3,945	4,343	4,343	6,041	
Cota Camada 1 (m)					22,484	22,565	22,487				
Cota Camada 3 (m)					22,404	22,485	22,407				
Cota Camada 6 (m)					22,364	22,445	22,367				
Cota Camada 7 (m)					22,244	22,325	22,247				
Cota (m):		22,414	22,382	22,086	22,094	22,175	22,097	22,089	22,384	22,418	
E:		708.961,3121	708.959,7121	708.959,7121	708.959,3144	708.955,2641	708.951,3233	708.950,9258	708.950,9258	708.949,2294	
N:		7.090.727,6593	7.090.727,5835	7.090.727,5835	7.090.727,5646	7.090.727,3726	7.090.727,1857	7.090.727,1669	7.090.727,1669	7.090.727,0864	
Station: 7+10											
Dist. Eixo (m):	-6,162	-6,088	-4,486	-4,486	-4,088	0,000	3,913	4,311	4,311	5,926	
Cota Camada 1 (m)					22,837	22,918	22,840				
Cota Camada 3 (m)					22,757	22,838	22,760				
Cota Camada 6 (m)					22,717	22,798	22,720				
Cota Camada 7 (m)					22,597	22,678	22,600				
Cota (m):	22,977	22,766	22,734	22,439	22,447	22,528	22,450	22,442	22,738	22,770	
E:	708.961,8926	708.961,8190	708.960,2186	708.960,2186	708.959,8209	708.955,7377	708.951,8294	708.951,4319	708.951,4319	708.949,8179	
N:	7.090.717,6756	7.090.717,6721	7.090.717,5963	7.090.717,5963	7.090.717,5774	7.090.717,3838	7.090.717,1985	7.090.717,1796	7.090.717,1796	7.090.717,1031	
Station: 8+0											
Dist. Eixo (m):	-6,196	-4,594	-4,594	-4,196	-4,196	0,000	3,805	4,203	4,203	5,811	
Cota Camada 1 (m)					22,904	22,988	22,911				
Cota Camada 3 (m)					22,824	22,908	22,831				
Cota Camada 6 (m)					22,784	22,868	22,791				
Cota Camada 7 (m)					22,664	22,748	22,671				
Cota (m):		22,833	22,801	22,506	22,514	22,598	22,521	22,514	22,809	22,841	
E:		708.962,4003	708.960,8002	708.960,8002	708.960,4025	708.956,2113	708.952,4110	708.952,0135	708.952,0135	708.950,4065	
N:		7.090.707,6885	7.090.707,6126	7.090.707,6126	7.090.707,5937	7.090.707,3950	7.090.707,2148	7.090.707,1960	7.090.707,1960	7.090.707,1198	
Station: 8+7											
Dist. Eixo (m):	-6,279	-4,677	-4,677	-4,279	-4,279	0,000	3,721	4,060	4,060	5,482	
Cota Camada 1 (m)					22,619	22,704	22,630				
Cota Camada 3 (m)					22,539	22,624	22,550				
Cota Camada 6 (m)					22,499	22,584	22,510				
Cota Camada 7 (m)					22,379	22,464	22,390				
Cota (m):		22,549	22,516	22,221	22,229	22,314	22,240	22,233	22,527	22,555	
E:		708.962,8482	708.961,2480	708.961,2480	708.960,8503	708.956,5760	708.952,8588	708.952,5209	708.952,5209	708.951,1000	
N:		7.090.700,0011	7.090.699,9252	7.090.699,9252	7.090.699,9063	7.090.699,7037	7.090.699,5274	7.090.699,5114	7.090.699,5114	7.090.699,4440	
Station: 8+10											
Dist. Eixo (m):	-6,298	-4,308				0,000			3,712	5,702	
Cota Camada 1 (m)					0,390	0,390	0,390				
Cota Camada 3 (m)					0,310	0,310	0,310				
Cota Camada 6 (m)					0,270	0,270	0,270				
Cota Camada 7 (m)					0,150	0,150	0,150				
Cota (m):		22,234	22,195						22,207	22,246	
E:		708.962,9761	708.960,9883			708.956,6850			708.952,9773	708.950,9895	
N:		7.090.697,7045	7.090.697,6103			7.090.697,4062			7.090.697,2304	7.090.697,1362	
Station: 9+0											
Dist. Eixo (m):	-6,282	-4,293				0,000			3,727	5,712	
Cota (m):		21,772	21,732						21,744	21,783	
E:		708.963,4333	708.961,4468			708.957,1586			708.953,4358	708.951,4527	
N:		7.090.687,7150	7.090.687,6208			7.090.687,4175			7.090.687,2410	7.090.687,1469	
Station: 9+10											
Dist. Eixo (m):	-6,185	-4,284				0,000			3,736	5,711	
Cota (m):		21,134	21,096						21,107	21,147	
E:		708.963,8102	708.961,9119			708.957,6322			708.953,9009	708.951,9272	
N:		7.090.677,7216	7.090.677,6316			7.090.677,4287			7.090.677,2518	7.090.677,1582	
Station: 10+0											
Dist. Eixo (m):	-6,163	-4,276				0,000			3,744	5,711	
Cota (m):		20,513	20,475						20,486	20,525	
E:		708.964,2620	708.962,3770			708.958,1058			708.954,3660	708.952,4017	
N:		7.090.667,7318	7.090.667,6424			7.090.667,4399			7.090.667,2626	7.090.667,1694	
Station: 10+10											
Dist. Eixo (m):	-6,165	-4,267				0,000			3,753	5,746	
Cota (m):		20,287	20,249						20,260	20,300	
E:		708.964,7376	708.962,8421			708.958,5795			708.954,8311	708.952,8401	
N:		7.090.657,7431	7.090.657,6533			7.090.657,4511			7.090.657,2734	7.090.657,1790	
Station: 11+0											
Dist. Eixo (m):	-6,184	-4,213				0,000			3,808	5,854	
Cota (m):		20,062	20,023						20,031	20,072	
E:		708.965,2299	708.963,2611			708.959,0531			708.955,2495	708.953,2058	
N:		7.090.647,7552	7.090.647,6619			7.090.647,4624			7.090.647,2820	7.090.647,1851	
Station: 11+10											
Dist. Eixo (m):	-6,221	-4,091				0,000			3,930	5,940	
Cota (m):		19,884	19,841						19,844	19,884	
E:		708.965,7405	708.963,6131			708.959,5267			708.955,6015	708.953,5935	
N:		7.090.637,7682	7.090.637,6673			7.090.637,4736			7.090.637,2875	7.090.637,1923	

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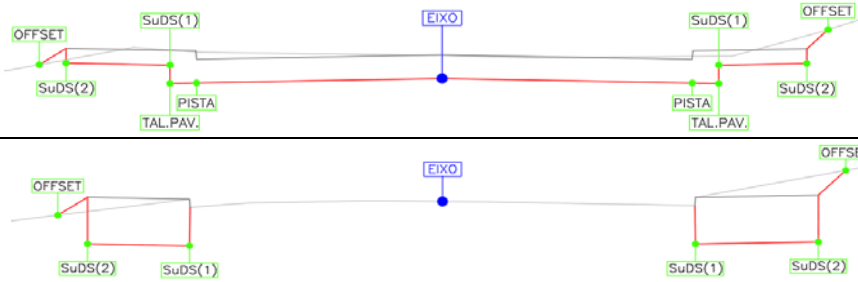
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 11+16											
Dist. Eixo (m):		-5,200	-4,010			0,000			4,014	5,204	
Cota (m):		19,764	19,740						19,740	19,764	
E:		708.965,0356	708.963,8470			708.959,8414			708.955,8322	708.954,6436	
N:		7.090.631,0826	7.090.631,0263			7.090.630,8363			7.090.630,6463	7.090.630,5899	
Station: 13+0											
Dist. Eixo (m):		-6,641	-3,903			0,000			3,867	5,832	
Cota (m):		19,520	19,465						19,466	19,505	
E:		708.967,5335	708.964,7988			708.960,8998			708.957,0368	708.955,0740	
N:		7.090.607,8060	7.090.607,6819			7.090.607,5050			7.090.607,3298	7.090.607,2408	
Station: 13+10											
Dist. Eixo (m):		-5,983	-3,917			0,000			3,877	5,847	
Cota (m):		19,444	19,393						19,394	19,433	
E:		708.967,3298	708.965,2657			708.961,3529			708.957,4803	708.955,5124	
N:		7.090.597,7864	7.090.597,6928			7.090.597,5153			7.090.597,3396	7.090.597,2504	
Station: 14+0											
Dist. Eixo (m):		-5,828	-3,931			0,000			3,886	5,861	
Cota (m):		19,401	19,363						19,364	19,403	
E:		708.967,6285	708.965,7327			708.961,8061			708.957,9237	708.955,9508	
N:		7.090.587,7897	7.090.587,7037			7.090.587,5256			7.090.587,3495	7.090.587,2600	
Station: 14+10											
Dist. Eixo (m):		-5,898	-3,944			0,000			3,896	5,876	
Cota (m):		19,387	19,348						19,349	19,389	
E:		708.968,1517	708.966,1996			708.962,2593			708.958,3672	708.956,3892	
N:		7.090.577,8031	7.090.577,7146			7.090.577,5358			7.090.577,3593	7.090.577,2696	
Station: 15+0											
Dist. Eixo (m):		-5,904	-3,958			0,000			3,906	5,891	
Cota (m):		19,486	19,447						19,448	19,488	
E:		708.968,6105	708.966,6665			708.962,7124			708.958,8106	708.956,8276	
N:		7.090.567,8137	7.090.567,7255			7.090.567,5461			7.090.567,3691	7.090.567,2792	
Station: 15+10											
Dist. Eixo (m):		-5,910	-3,972			0,000			3,916	5,906	
Cota (m):		19,525	19,486						19,488	19,527	
E:		708.969,0693	708.967,1335			708.963,1656			708.959,2541	708.957,2660	
N:		7.090.557,8242	7.090.557,7364			7.090.557,5564			7.090.557,3790	7.090.557,2888	
Station: 16+0											
Dist. Eixo (m):		-5,918	-3,986			0,000			3,925	5,920	
Cota (m):		19,378	19,340						19,341	19,381	
E:		708.969,5311	708.967,6004			708.963,6188			708.959,6976	708.957,7044	
N:		7.090.547,8349	7.090.547,7473			7.090.547,5667			7.090.547,3888	7.090.547,2984	
Station: 16+10											
Dist. Eixo (m):		-5,940	-4,000			0,000			3,935	5,952	
Cota (m):		19,063	19,024						19,025	19,066	
E:		708.970,0055	708.968,0673			708.964,0719			708.960,1410	708.958,1263	
N:		7.090.537,8461	7.090.537,7582			7.090.537,5769			7.090.537,3986	7.090.537,3072	
Station: 17+0											
Dist. Eixo (m):		-5,999	-4,013			0,000			3,945	5,998	
Cota (m):		18,621	18,581						18,583	18,624	
E:		708.970,5175	708.968,5343			708.964,5251			708.960,5845	708.958,5328	
N:		7.090.527,8590	7.090.527,7691			7.090.527,5872			7.090.527,4085	7.090.527,3154	
Station: 17+10											
Dist. Eixo (m):		-6,140	-4,027			0,000			3,954	6,007	
Cota (m):		18,083	18,040						18,042	18,083	
E:		708.971,1118	708.969,0012			708.964,9782			708.961,0280	708.958,9772	
N:		7.090.517,8757	7.090.517,7800			7.090.517,5975			7.090.517,4183	7.090.517,3253	
Station: 18+0											
Dist. Eixo (m):		-6,101	-4,041			0,000			3,964	5,956	
Cota (m):		17,515	17,473						17,475	17,515	
E:		708.971,5266	708.969,4681			708.965,4314			708.961,4714	708.959,4816	
N:		7.090.507,8843	7.090.507,7909			7.090.507,6078			7.090.507,4281	7.090.507,3379	
Station: 18+10											
Dist. Eixo (m):		-6,085	-4,055			0,000			3,974	5,931	
Cota (m):		16,985	16,944						16,946	16,985	
E:		708.971,9634	708.969,9351			708.965,8846			708.961,9149	708.959,9596	
N:		7.090.497,8938	7.090.497,8018			7.090.497,6180			7.090.497,4380	7.090.497,3493	
Station: 19+0											
Dist. Eixo (m):		-6,229	-4,068			0,000			3,983	5,909	
Cota (m):		16,507	16,464						16,465	16,504	
E:		708.972,5602	708.970,4020			708.966,3377			708.962,3583	708.960,4351	
N:		7.090.487,9106	7.090.487,8127			7.090.487,6283			7.090.487,4478	7.090.487,3605	

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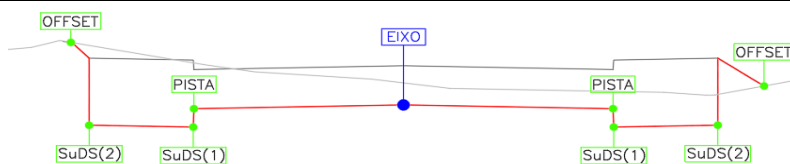
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 19+10											
Dist. Eixo (m):		-5,500	-4,310			0,000			4,988	7,051	
Cota (m):		16,084	16,060						16,046	16,087	
E:		708.972,2857	708.971,0969			708.966,7909			708.961,8080	708.969,7474	
N:		7.090.477,8878	7.090.477,8339			7.090.477,6386			7.090.477,4125	7.090.477,3191	
Station: 20+10											
Dist. Eixo (m):		-6,045	-4,082			0,000			3,939	6,436	
Cota (m):		15,892	15,852						15,855	15,905	
E:		708.973,7361	708.971,7747			708.967,6972			708.963,7621	708.961,2675	
N:		7.090.457,9331	7.090.457,8441			7.090.457,6591			7.090.457,4806	7.090.457,3675	
Station: 21+0											
Dist. Eixo (m):		-5,992	-4,059			0,000			3,961	6,512	
Cota (m):		15,878	15,839						15,841	15,892	
E:		708.974,1358	708.972,2055			708.968,1504			708.964,1937	708.961,6451	
N:		7.090.447,9409	7.090.447,8534			7.090.447,6694			7.090.447,4899	7.090.447,3743	
Station: 21+10											
Dist. Eixo (m):		-5,938	-4,038			0,000			3,982	6,602	
Cota (m):		15,813	15,775						15,776	15,828	
E:		708.974,5356	708.972,6372			708.968,6035			708.964,6254	708.962,0083	
N:		7.090.437,9488	7.090.437,8626			7.090.437,6797			7.090.437,4992	7.090.437,3805	
Station: 22+0											
Dist. Eixo (m):		-5,976	-4,034			0,000			3,986	6,694	
Cota (m):		15,713	15,674						15,675	15,729	
E:		708.975,0266	708.973,0870			708.969,0567			708.965,0753	708.962,9699	
N:		7.090.427,9608	7.090.427,8728			7.090.427,6899			7.090.427,5093	7.090.427,3866	
Station: 22+10											
Dist. Eixo (m):		-5,994	-4,031			0,000			3,989	6,777	
Cota (m):		15,601	15,561						15,562	15,618	
E:		708.975,4978	708.973,5372			708.969,5099			708.965,5254	708.962,7401	
N:		7.090.417,9719	7.090.417,8829			7.090.417,7002			7.090.417,5195	7.090.417,3931	
Station: 23+0											
Dist. Eixo (m):		-5,986	-4,022			0,000			3,998	6,771	
Cota (m):		15,483	15,443						15,444	15,499	
E:		708.975,9428	708.973,9813			708.969,9630			708.965,9695	708.963,1987	
N:		7.090.407,9818	7.090.407,8928			7.090.407,7105			7.090.407,5293	7.090.407,4036	
Station: 23+10											
Dist. Eixo (m):		-5,974	-4,101			0,000			3,919	6,766	
Cota (m):		15,373	15,336						15,340	15,397	
E:		708.976,3838	708.974,5131			708.970,4162			708.966,5010	708.963,6573	
N:		7.090.397,9915	7.090.397,9066			7.090.397,7208			7.090.397,5432	7.090.397,4142	
Station: 24+0											
Dist. Eixo (m):		-5,965	-4,137			0,000			3,883	6,130	
Cota (m):		15,276	15,239						15,245	15,289	
E:		708.976,8282	708.975,0024			708.970,8694			708.966,9906	708.964,7456	
N:		7.090.388,0014	7.090.387,9185			7.090.387,7310			7.090.387,5551	7.090.387,4532	
Station: 24+10											
Dist. Eixo (m):		-5,899	-4,180			0,000			3,840	5,818	
Cota (m):		15,211	15,177						15,183	15,223	
E:		708.977,2155	708.975,4986			708.971,3225			708.967,4867	708.965,5105	
N:		7.090.378,0086	7.090.377,9307			7.090.377,7413			7.090.377,5673	7.090.377,4777	
Station: 25+0											
Dist. Eixo (m):		-5,859	-4,208			0,000			3,812	5,863	
Cota (m):		15,148	15,115						15,123	15,164	
E:		708.977,6287	708.975,9794			708.971,7757			708.967,9676	708.965,9190	
N:		7.090.368,0171	7.090.367,9423			7.090.367,7516			7.090.367,5788	7.090.367,4859	
Station: 25+10											
Dist. Eixo (m):		-5,873	-4,168			0,000			3,803	6,055	
Cota (m):		15,078	15,044						15,051	15,096	
E:		708.978,0954	708.976,3925			708.972,2289			708.968,4293	708.966,1799	
N:		7.090.358,0280	7.090.357,9507			7.090.357,7619			7.090.357,5895	7.090.357,4875	
Station: 26+0											
Dist. Eixo (m):		-5,892	-3,936			0,000			3,487	6,178	
Cota (m):		15,073	15,033						15,042	15,096	
E:		708.978,5678	708.976,6143			708.972,6820			708.969,1988	708.966,5102	
N:		7.090.348,0391	7.090.347,9505			7.090.347,7721			7.090.347,6141	7.090.347,4922	
Station: 26+10											
Dist. Eixo (m):		-6,029	-3,705			0,000			3,170	6,301	
Cota (m):		15,077	15,031						15,041	15,104	
E:		708.979,1581	708.976,8361			708.973,1352			708.969,9682	708.966,8405	
N:		7.090.338,0556	7.090.337,9503			7.090.337,7824			7.090.337,6387	7.090.337,4969	

PREFEITURA MUNICIPAL DE JOINVILLE
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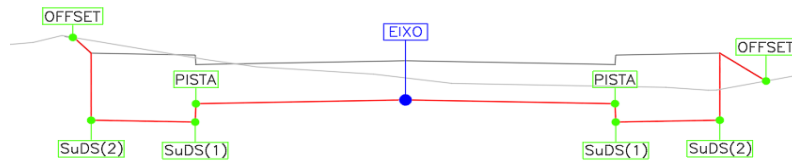
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0									
Dist. Eixo (m):		-11,981	-11,899	-11,889	0,000	9,712	9,722	11,872	
Cota Camada 1 (m)				13,477	13,417	13,373			
Cota Camada 3 (m)				13,397	13,337	13,293			
Cota Camada 6 (m)				13,357	13,297	13,253			
Cota Camada 7 (m)				13,237	13,177	13,133			
Cota (m):		12,969	12,967	13,087	13,027	12,983	12,863	12,906	
E:		708.529,9206	708.529,9238	708.529,9241	708.530,3850	708.530,7615	708.530,7618	708.530,8452	
N:		7.090.138,6412	7.090.138,5593	7.090.138,5493	7.090.126,6695	7.090.116,9646	7.090.116,9546	7.090.114,8068	
Station: 0+10									
Dist. Eixo (m):		-6,054	-4,010	-4,000	0,000	4,000	4,010	5,943	
Cota Camada 1 (m)				13,362	13,442	13,362			
Cota Camada 3 (m)				13,282	13,362	13,282			
Cota Camada 6 (m)				13,242	13,322	13,242			
Cota Camada 7 (m)				13,122	13,202	13,122			
Cota (m):		12,893	12,852	12,972	13,052	12,972	12,852	12,891	
E:		708.540,1428	708.540,2220	708.540,2224	708.540,3775	708.540,5325	708.540,5329	708.540,6078	
N:		7.090.133,1066	7.090.131,0642	7.090.131,0542	7.090.127,0572	7.090.123,0602	7.090.123,0502	7.090.121,1185	
Station: 1+0									
Dist. Eixo (m):		-5,998	-4,010	-4,000	0,000	4,000	4,010	5,897	
Cota Camada 1 (m)				13,387	13,467	13,387			
Cota Camada 3 (m)				13,307	13,387	13,307			
Cota Camada 6 (m)				13,267	13,347	13,267			
Cota Camada 7 (m)				13,147	13,227	13,147			
Cota (m):		12,917	12,877	12,997	13,077	12,997	12,877	12,915	
E:		708.550,1375	708.550,2145	708.550,2149	708.550,3700	708.550,5250	708.550,5254	708.550,5986	
N:		7.090.133,4384	7.090.131,4518	7.090.131,4418	7.090.127,4448	7.090.123,4478	7.090.123,4378	7.090.121,5519	
Station: 1+10									
Dist. Eixo (m):		-5,928	-4,010	-4,000	0,000	4,000	4,010	5,885	
Cota Camada 1 (m)				13,413	13,493	13,413			
Cota Camada 3 (m)				13,333	13,413	13,333			
Cota Camada 6 (m)				13,293	13,373	13,293			
Cota Camada 7 (m)				13,173	13,253	13,173			
Cota (m):		12,941	12,903	13,023	13,103	13,023	12,903	12,940	
E:		708.560,1327	708.560,2070	708.560,2074	708.560,3624	708.560,5175	708.560,5179	708.560,5906	
N:		7.090.133,7560	7.090.131,8394	7.090.131,8294	7.090.127,8324	7.090.123,8354	7.090.123,8254	7.090.121,9514	
Station: 2+0									
Dist. Eixo (m):		-5,927	-4,010	-4,000	0,000	4,000	4,010	5,908	
Cota Camada 1 (m)				13,438	13,518	13,438			
Cota Camada 3 (m)				13,358	13,438	13,358			
Cota Camada 6 (m)				13,318	13,398	13,318			
Cota Camada 7 (m)				13,198	13,278	13,198			
Cota (m):		12,967	12,928	13,048	13,128	13,048	12,928	12,966	
E:		708.570,1252	708.570,1995	708.570,1999	708.570,3549	708.570,5100	708.570,5104	708.570,5839	
N:		7.090.134,1428	7.090.132,2270	7.090.132,2171	7.090.128,2201	7.090.124,2231	7.090.124,2131	7.090.122,3162	
Station: 2+10									
Dist. Eixo (m):		-5,946	-4,010	-4,000	0,000	4,000	4,010	5,921	
Cota Camada 1 (m)				13,464	13,544	13,464			
Cota Camada 3 (m)				13,384	13,464	13,384			
Cota Camada 6 (m)				13,344	13,424	13,344			
Cota Camada 7 (m)				13,224	13,304	13,224			
Cota (m):		12,993	12,954	13,074	13,154	13,074	12,954	12,992	
E:		708.580,1169	708.580,1920	708.580,1924	708.580,3474	708.580,5025	708.580,5028	708.580,5769	
N:		7.090.134,5489	7.090.132,6147	7.090.132,6047	7.090.128,6077	7.090.124,6107	7.090.124,6007	7.090.122,6913	
Station: 3+0									
Dist. Eixo (m):		-6,322	-5,964	-4,010	0,000	4,000	4,010	5,949	
Cota Camada 1 (m)				13,489	13,569	13,489			
Cota Camada 3 (m)				13,409	13,489	13,409			
Cota Camada 6 (m)				13,369	13,449	13,369			
Cota Camada 7 (m)				13,249	13,329	13,249			
Cota (m):	13,440	13,018	12,979	13,099	13,179	13,099	12,979	13,018	
E:	708.590,0948	708.590,1087	708.590,1845	708.590,1848	708.590,3399	708.590,4949	708.590,4953	708.590,5705	
N:	7.090.135,3123	7.090.134,9551	7.090.133,0023	7.090.132,9923	7.090.128,9953	7.090.124,9983	7.090.124,9883	7.090.123,0509	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA CILEZIO R. SILVEIRA

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
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Station: 3+10

Dist. Eixo (m):	-6,414	-5,983	-4,010	-4,000	0,000	4,000	4,010	5,975	
Cota Camada 1 (m)				13,467	13,547	13,467			
Cota Camada 3 (m)				13,387	13,467	13,387			
Cota Camada 6 (m)				13,347	13,427	13,347			
Cota Camada 7 (m)				13,227	13,307	13,227			
Cota (m):	13,369	12,996	12,957	13,077	13,157	13,077	12,957	12,996	
E:	708.600,0838	708.600,1005	708.600,1769	708.600,1773	708.600,3324	708.600,4874	708.600,4878	708.600,5640	
N:	7.090.135,7920	7.090.135,3611	7.090.133,3899	7.090.133,3799	7.090.129,3829	7.090.125,3860	7.090.125,3760	7.090.123,4121	

Station: 4+0

Dist. Eixo (m):	-6,271	-6,000	-4,010	-4,000	0,000	4,000	4,010	6,000	
Cota Camada 1 (m)				13,348	13,428	13,348			
Cota Camada 3 (m)				13,268	13,348	13,268			
Cota Camada 6 (m)				13,228	13,308	13,228			
Cota Camada 7 (m)				13,108	13,188	13,108			
Cota (m):	13,357	12,878	12,838	12,958	13,038	12,958	12,838	12,878	
E:	708.610,0818	708.610,0923	708.610,1694	708.610,1698	708.610,3249	708.610,4799	708.610,4803	708.610,5574	
N:	7.090.136,0371	7.090.135,7663	7.090.133,7776	7.090.133,7676	7.090.129,7706	7.090.125,7736	7.090.125,7636	7.090.123,7754	

Station: 4+9

Dist. Eixo (m):		-12,028	-11,842	-11,832	0,000	10,664	10,674	12,423	
Cota Camada 1 (m)				13,229	13,277	13,316			
Cota Camada 3 (m)				13,149	13,197	13,236			
Cota Camada 6 (m)				13,109	13,157	13,196			
Cota Camada 7 (m)				12,989	13,037	13,076			
Cota (m):		12,723	12,719	12,839	12,887	12,926	12,806	12,841	
E:		708.618,9077	708.618,9149	708.618,9153	708.619,3740	708.619,7873	708.619,7877	708.619,8555	
N:		7.090.142,1406	7.090.141,9551	7.090.141,9451	7.090.130,1216	7.090.119,4658	7.090.119,4558	7.090.117,7078	

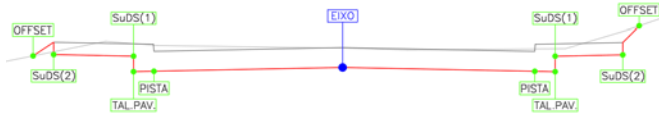
PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA COMANDANTE KARL BUSCH

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0							
Dist. Eixo (m):		-10,899	-9,709	0,000		11,622	12,078
Cota (m):		12,232	12,208			12,170	12,179
E:		709.353,8894	709.353,9226	709.354,1933		709.354,3174	709.354,5302
N:		7.089.947,8416	7.089.946,6520	7.089.936,9473		7.089.925,3303	7.089.924,8738
Station: 0+10							
Dist. Eixo (m):		-6,018	-4,010	0,000		4,009	5,886
Cota (m):		12,213	12,173			12,173	12,211
E:		709.364,0216	709.364,0776	709.364,1894		709.364,3012	709.364,3536
N:		7.089.943,2414	7.089.941,2349	7.089.937,2262		7.089.933,2185	7.089.931,3421
Station: 1+0							
Dist. Eixo (m):		-5,975	-4,008	0,000		4,010	5,824
Cota (m):		12,152	12,113			12,113	12,149
E:		709.374,0189	709.374,0738	709.374,1855		709.374,2974	709.374,3480
N:		7.089.943,4781	7.089.941,5116	7.089.937,5051		7.089.933,4971	7.089.931,6835
Station: 1+10							
Dist. Eixo (m):		-5,933	-4,006	0,000		4,010	5,761
Cota (m):		12,094	12,055			12,055	12,090
E:		709.384,0162	709.384,0699	709.384,1816		709.384,2935	709.384,3423
N:		7.089.943,7148	7.089.941,7883	7.089.937,7839		7.089.933,7757	7.089.932,0248
Station: 1+14							
Dist. Eixo (m):		-5,913	-4,005	0,000		4,010	5,731
Cota (m):		12,053	12,015			12,015	12,049
E:		709.388,8571	709.388,9103	709.389,0220		709.389,1338	709.389,1818
N:		7.089.943,8294	7.089.941,9222	7.089.937,9190		7.089.933,9105	7.089.932,1901

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL PAV	PISTA	EIXO	PISTA	TAL PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 2+0											
Dist. Eixo (m):					-4,045	0,000	4,000	4,398	4,398	5,699	
Cota Camada 1 (m)					12,041	12,122	12,042				
Cota Camada 3 (m)					11,961	12,042	11,962				
Cota Camada 6 (m)					11,921	12,002	11,922				
Cota Camada 7 (m)					11,801	11,882	11,802				
Cota (m):					11,651	11,732	11,652	11,644	11,939	11,965	
E:					709.394,0651	709.394,1778	709.394,2892	709.394,3003	709.394,3003	709.394,3365	
N:					7.089.942,1060	7.089.938,0627	7.089.934,0642	7.089.933,6664	7.089.933,6664	7.089.932,3659	
Station: 2+10											
Dist. Eixo (m):					-4,190	0,000	4,000	4,398	4,398	5,638	
Cota Camada 1 (m)					11,938	12,022	11,942				
Cota Camada 3 (m)					11,858	11,942	11,862				
Cota Camada 6 (m)					11,818	11,902	11,822				
Cota Camada 7 (m)					11,698	11,782	11,702				
Cota (m):					11,548	11,632	11,552	11,544	11,839	11,864	
E:					709.404,0672	709.404,1739	709.404,2853	709.404,2964	709.404,2964	709.404,3309	
N:					7.089.942,5294	7.089.938,3412	7.089.934,3428	7.089.933,9450	7.089.933,9450	7.089.932,7054	
Station: 2+18											
Dist. Eixo (m):					-4,000	0,000	4,000	4,398	4,398	5,588	
Cota Camada 1 (m)					11,874	11,954	11,874				
Cota Camada 3 (m)					11,794	11,874	11,794				
Cota Camada 6 (m)					11,754	11,834	11,754				
Cota Camada 7 (m)					11,634	11,714	11,634				
Cota (m):					11,484	11,564	11,484	11,476	11,771	11,795	
E:					709.412,9036	709.413,0151	709.413,1265	709.413,1376	709.413,1376	709.413,1707	
N:					7.089.942,5861	7.089.938,5876	7.089.934,5892	7.089.934,1914	7.089.934,1914	7.089.933,0023	
Station: 3+0											
Dist. Eixo (m):	-6,425	-5,900	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,581	
Cota Camada 1 (m)					11,867	11,947	11,867				
Cota Camada 3 (m)					11,787	11,867	11,787				
Cota Camada 6 (m)					11,747	11,827	11,747				
Cota Camada 7 (m)					11,627	11,707	11,627				
Cota (m):	11,705	12,055	11,765	11,469	11,477	11,557	11,477	11,469	11,765	11,789	
E:	709.413,9910	709.414,0056	709.414,0475	709.414,0475	709.414,0586	709.414,1700	709.414,2814	709.414,2925	709.414,2925	709.414,3255	
N:	7.089.945,0425	7.089.944,5177	7.089.943,0163	7.089.943,0163	7.089.942,6183	7.089.938,6198	7.089.934,6214	7.089.934,2236	7.089.934,2236	7.089.933,0410	
Station: 3+10											
Dist. Eixo (m):	-6,487	-5,900	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,524	5,557
Cota Camada 1 (m)					11,833	11,913	11,833				
Cota Camada 3 (m)					11,753	11,833	11,753				
Cota Camada 6 (m)					11,713	11,793	11,713				
Cota Camada 7 (m)					11,593	11,673	11,593				
Cota (m):	11,630	12,021	11,731	11,435	11,443	11,523	11,443	11,435	11,730	11,753	11,843
E:	709.423,9854	709.424,0018	709.424,0436	709.424,0436	709.424,0547	709.424,1661	709.424,2775	709.424,2886	709.424,2886	709.424,3200	709.424,3209
N:	7.089.945,3825	7.089.944,7963	7.089.943,2948	7.089.943,2948	7.089.942,8968	7.089.938,8984	7.089.934,8999	7.089.934,5021	7.089.934,5021	7.089.933,3767	7.089.933,3437
Station: 4+0											
Dist. Eixo (m):	-6,497	-5,900	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,501	5,700
Cota Camada 1 (m)					11,813	11,893	11,813				
Cota Camada 3 (m)					11,733	11,813	11,733				
Cota Camada 6 (m)					11,693	11,773	11,693				
Cota Camada 7 (m)					11,573	11,653	11,573				
Cota (m):	11,602	12,000	11,711	11,415	11,423	11,503	11,423	11,415	11,711	11,733	11,860
E:	709.433,9812	709.433,9979	709.434,0397	709.434,0397	709.434,0508	709.434,1622	709.434,2737	709.434,2847	709.434,2847	709.434,3155	709.434,3210
N:	7.089.945,6717	7.089.945,0749	7.089.943,5734	7.089.943,5734	7.089.943,1754	7.089.939,1769	7.089.935,1785	7.089.934,7807	7.089.934,7807	7.089.933,6784	7.089.933,4794
Station: 4+10											
Dist. Eixo (m):	-6,497	-5,900	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,493	5,827
Cota Camada 1 (m)					11,793	11,873	11,793				
Cota Camada 3 (m)					11,713	11,793	11,713				
Cota Camada 6 (m)					11,673	11,753	11,673				
Cota Camada 7 (m)					11,553	11,633	11,553				
Cota (m):	11,583	11,980	11,691	11,395	11,403	11,483	11,403	11,395	11,690	11,712	11,750
E:	709.443,9774	709.443,9940	709.444,0358	709.444,0358	709.444,0469	709.444,1584	709.444,2698	709.444,2809	709.444,2809	709.444,3113	709.444,3207
N:	7.089.945,9500	7.089.945,3534	7.089.943,8520	7.089.943,8520	7.089.943,4540	7.089.939,4555	7.089.935,4571	7.089.935,0593	7.089.935,0593	7.089.933,9651	7.089.933,6311

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA COMANDANTE KARL BUSCH

Station: 5+0												
Dist. Eixo (m):	-6,409		-5,915	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,484	5,769
Cota Camada 1 (m)						11,773	11,853	11,773				
Cota Camada 3 (m)						11,693	11,773	11,693				
Cota Camada 6 (m)						11,653	11,733	11,653				
Cota Camada 7 (m)						11,533	11,613	11,533				
Cota (m):	11,632	11,961	11,670	11,375	11,383	11,463	11,383	11,375	11,670	11,692	11,763	11,763
E:	709.453,9760	709.453,9897	709.454,0320	709.454,0320	709.454,0431	709.454,1545	709.454,2659	709.454,2770	709.454,2770	709.454,3072	709.454,3152	709.454,3152
N:	7.089.946,1404	7.089.945,6471	7.089.944,1306	7.089.944,1306	7.089.943,7326	7.089.939,7340	7.089.935,7357	7.089.935,3379	7.089.935,3379	7.089.934,2518	7.089.933,9674	7.089.933,9674

Station: 5+10												
Dist. Eixo (m):	-8,120		-7,772	-5,239	-5,239	-4,840	0,000	4,897	5,295	5,295	7,115	7,343
Cota Camada 1 (m)						11,736	11,833	11,736				
Cota Camada 3 (m)						11,656	11,753	11,656				
Cota Camada 6 (m)						11,616	11,713	11,616				
Cota Camada 7 (m)						11,496	11,593	11,496				
Cota (m):	11,712	11,944	11,634	11,338	11,346	11,443	11,345	11,337	11,633	11,669	11,777	11,777
E:	709.463,9244	709.463,9341	709.464,0047	709.464,0047	709.464,0158	709.464,1506	709.464,2870	709.464,2981	709.464,2981	709.464,3488	709.464,3551	709.464,3551
N:	7.089.948,1291	7.089.947,7813	7.089.945,2490	7.089.945,2490	7.089.944,8510	7.089.940,0126	7.089.935,1170	7.089.934,7192	7.089.934,7192	7.089.932,9003	7.089.932,6725	7.089.932,6725

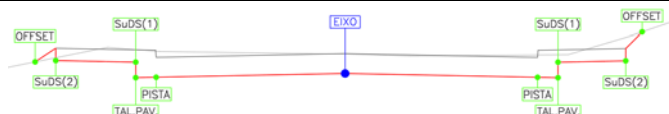
Station: 5+11												
Dist. Eixo (m):	-11,250		-10,985	-6,630	-6,630	-6,232	0,000	6,347	6,745	6,745	10,205	10,441
Cota Camada 1 (m)						11,704	11,829	11,702				
Cota Camada 3 (m)						11,624	11,749	11,622				
Cota Camada 6 (m)						11,584	11,709	11,582				
Cota Camada 7 (m)						11,464	11,589	11,462				
Cota (m):	11,772	11,949	11,602	11,306	11,314	11,439	11,312	11,304	11,600	11,669	11,772	11,772
E:	709.465,8151	709.465,8224	709.465,9438	709.465,9438	709.465,9549	709.466,1286	709.466,3054	709.466,3165	709.466,3165	709.466,4129	709.466,4195	709.466,4195
N:	7.089.951,3212	7.089.951,0557	7.089.946,6996	7.089.946,6996	7.089.946,3016	7.089.940,0677	7.089.933,7233	7.089.933,3255	7.089.933,3253	7.089.928,8663	7.089.928,6309	7.089.928,6309

Station: 5+14												
Dist. Eixo (m):		-12,689	-5,398	-5,398	-5,000	0,000						
Cota (m):		12,028	11,622	11,326	11,334	11,434						
E:		709.467,5640	709.468,0358	709.468,0358	709.468,0616	709.468,3851						
N:		7.089.952,8765	7.089.945,6009	7.089.945,6009	7.089.945,2035	7.089.940,2140						

Station: 6+4												
Dist. Eixo (m):						0,000	8,157	8,554	8,554	12,263		12,647
Cota Camada 1 (m)						0,390	11,838	11,751				
Cota Camada 3 (m)						0,310	11,758	11,671				
Cota Camada 6 (m)						0,270	11,718	11,631				
Cota Camada 7 (m)						0,150	11,598	11,511				
Cota (m):						11,448	11,361	11,353	11,649	11,723		11,727
E:						709.478,4548	709.478,9830	709.479,0088	709.479,0088	709.479,2489		709.479,2738
N:						7.089.940,8670	7.089.932,7215	7.089.932,3244	7.089.932,3244	7.089.928,6211		7.089.928,2376

Station: 6+10												
Dist. Eixo (m):			-7,065	-4,245	-4,245	-3,847	0,000	5,163	5,561	5,561	7,417	7,772
Cota Camada 1 (m)						11,767	11,843	11,741				
Cota Camada 3 (m)						11,687	11,763	11,661				
Cota Camada 6 (m)						11,647	11,723	11,621				
Cota Camada 7 (m)						11,527	11,603	11,501				
Cota (m):			11,721	11,665	11,369	11,377	11,453	11,351	11,343	11,639	11,676	11,700
E:			709.483,9339	709.484,0089	709.484,0089	709.484,0195	709.484,1219	709.484,2593	709.484,2699	709.484,2699	709.484,3193	709.484,3288
N:			7.089.948,0804	7.089.945,2617	7.089.945,2617	7.089.944,8637	7.089.941,0178	7.089.935,8568	7.089.935,4590	7.089.935,4590	7.089.933,6033	7.089.933,2488

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 7+0											
Dist. Eixo (m):		-7,175	-4,268	-4,268	-3,870	0,000	5,130	5,528	5,528	7,275	7,418
Cota Camada 1 (m)					11,776	11,853	11,751				
Cota Camada 3 (m)					11,696	11,773	11,671				
Cota Camada 6 (m)					11,656	11,733	11,631				
Cota Camada 7 (m)					11,536	11,613	11,511				
Cota (m):		11,732	11,674	11,378	11,386	11,463	11,361	11,353	11,648	11,683	12,086
E:		709.493,9274	709.494,0048	709.494,0048	709.494,0154	709.494,1184	709.494,2549	709.494,2655	709.494,2655	709.494,3120	709.494,3158
N:		7.089.948,4566	7.089.945,5505	7.089.945,5505	7.089.945,1525	7.089.941,2840	7.089.936,1556	7.089.935,7578	7.089.935,7578	7.089.934,0111	7.089.933,8682

Station: 7+10											
Dist. Eixo (m):		-7,245	-4,291	-4,291	-3,893	0,000	5,107	5,505	5,505	7,195	7,550
Cota Camada 1 (m)					11,786	11,863	11,761				
Cota Camada 3 (m)					11,706	11,783	11,681				
Cota Camada 6 (m)					11,666	11,743	11,641				
Cota Camada 7 (m)					11,546	11,623	11,521				
Cota (m):		11,742	11,683	11,388	11,396	11,473	11,371	11,363	11,659	11,693	12,308
E:		709.503,9220	709.504,0007	709.504,0007	709.504,0113	709.504,1148	709.504,2508	709.504,2614	709.504,2614	709.504,3063	709.504,3158
N:		7.089.948,7924	7.089.945,8393	7.089.945,8393	7.089.945,4413	7.089.941,5501	7.089.936,4445	7.089.936,0466	7.089.936,0466	7.089.934,3579	7.089.934,0026

Station: 8+0											
Dist. Eixo (m):		-7,314	-4,313	-4,313	-3,915	0,000	5,085	5,483	5,483	7,114	7,290
Cota Camada 1 (m)					11,789	11,868	11,766				
Cota Camada 3 (m)					11,709	11,788	11,686				
Cota Camada 6 (m)					11,669	11,748	11,646				
Cota Camada 7 (m)					11,549	11,628	11,526				
Cota (m):		11,747	11,687	11,391	11,399	11,478	11,376	11,368	11,663	11,696	12,132
E:		709.513,9166	709.513,9965	709.513,9965	709.514,0071	709.514,1113	709.514,2466	709.514,2572	709.514,2572	709.514,3006	709.514,3053
N:		7.089.949,1281	7.089.946,1281	7.089.946,1281	7.089.945,7301	7.089.941,8162	7.089.936,7333	7.089.936,3355	7.089.936,3355	7.089.934,7047	7.089.934,5291

Station: 8+10											
Dist. Eixo (m):		-7,530	-4,336	-4,336	-3,938	0,000	5,062	5,460	5,460	7,061	
Cota Camada 1 (m)					11,785	11,844	11,743				
Cota Camada 3 (m)					11,685	11,764	11,663				
Cota Camada 6 (m)					11,645	11,724	11,623				
Cota Camada 7 (m)					11,525	11,604	11,503				
Cota (m):		11,727	11,663	11,367	11,375	11,454	11,353	11,345	11,641	11,673	
E:		709.523,9074	709.523,9924	709.523,9924	709.524,0030	709.524,1078	709.524,2425	709.524,2531	709.524,2531	709.524,2957	
N:		7.089.949,6096	7.089.946,4170	7.089.946,4170	7.089.946,0190	7.089.942,0824	7.089.937,0221	7.089.936,6243	7.089.936,6243	7.089.935,0237	

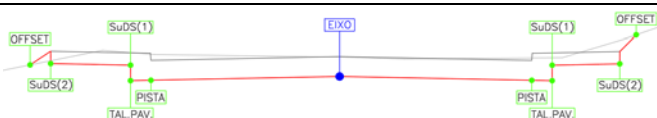
Station: 9+0											
Dist. Eixo (m):		-7,407	-4,359	-4,359	-3,961	0,000	5,039	5,437	5,437	7,029	
Cota Camada 1 (m)					11,718	11,797	11,696				
Cota Camada 3 (m)					11,638	11,717	11,616				
Cota Camada 6 (m)					11,598	11,677	11,576				
Cota Camada 7 (m)					11,478	11,557					

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA COMANDANTE KARL BUSCH

Station: 9+10										
Dist. Eixo (m):		-7,289	-4,382	-4,382	-3,983	0,000	5,017	5,415	5,415	6,997
Cota Camada 1 (m)					11,668	11,747	11,647			
Cota Camada 3 (m)					11,588	11,667	11,567			
Cota Camada 6 (m)					11,548	11,627	11,527			
Cota Camada 7 (m)					11,428	11,507	11,407			
Cota (m):		11,624	11,566	11,270	11,278	11,357	11,257	11,249	11,545	11,577
E:		709.543,9067	709.543,9841	709.543,9841	709.543,9947	709.544,1007	709.544,2342	709.544,2448	709.544,2448	709.544,2869
N:		7.089.949,9011	7.089.946,9946	7.089.946,9946	7.089.946,5966	7.089.942,6146	7.089.937,5998	7.089.937,2019	7.089.937,2019	7.089.935,6199
Station: 9+17										
Dist. Eixo (m):		-7,203	-4,398	-4,398	-4,000	0,000	5,000	5,398	5,398	6,974
Cota Camada 1 (m)					11,843	11,723	11,623			
Cota Camada 3 (m)					11,563	11,643	11,543			
Cota Camada 6 (m)					11,523	11,603	11,503			
Cota Camada 7 (m)					11,403	11,483	11,383			
Cota (m):		11,597	11,541	11,245	11,253	11,333	11,233	11,225	11,521	11,553
E:		709.551,2297	709.551,3043	709.551,3043	709.551,3149	709.551,4213	709.551,5544	709.551,5650	709.551,5650	709.551,6069
N:		7.089.950,0096	7.089.947,2061	7.089.947,2061	7.089.946,8081	7.089.942,8095	7.089.937,8113	7.089.937,4135	7.089.937,4135	7.089.935,8382
Station: 10+0										
Dist. Eixo (m):		-8,189	-4,486			0,000			5,285	7,475
Cota (m):		11,607	11,534						11,518	11,562
E:		709.553,9211	709.554,0009			709.554,0975			709.554,2113	709.554,2585
N:		7.089.951,0541	7.089.947,3518			7.089.942,8672			7.089.937,5833	7.089.935,3936
Station: 10+13										
Dist. Eixo (m):		-13,416	-9,828			0,000				
Cota (m):		11,884	11,552							
E:		709.567,4834	709.567,5607			709.567,7724				
N:		7.089.956,5750	7.089.952,9876			7.089.943,1618				
Station: 10+18										
Dist. Eixo (m):		-7,732	-5,597	-5,597	-5,199	0,000	6,693	7,091	7,091	9,536
Cota Camada 1 (m)					11,883	11,889	11,828			
Cota Camada 3 (m)					11,803	11,809	11,748			
Cota Camada 6 (m)					11,763	11,769	11,708			
Cota Camada 7 (m)					11,643	11,649	11,588			
Cota (m):		11,824	11,781	11,485	11,493	11,499	11,438	11,430	11,725	11,774
E:		709.571,9962	709.572,0422	709.572,0422	709.572,0507	709.572,1627	709.572,3069	709.572,3154	709.572,3154	709.572,3681
N:		7.089.950,9863	7.089.948,8519	7.089.948,8519	7.089.948,4538	7.089.943,2563	7.089.936,5648	7.089.936,1670	7.089.936,1670	7.089.933,7224
Station: 11+0										
Dist. Eixo (m):		-7,069	-5,003	-5,003	-4,605	0,000	5,526	5,924	5,924	7,581
Cota Camada 1 (m)					11,845	11,902	11,833			
Cota Camada 3 (m)					11,765	11,822	11,753			
Cota Camada 6 (m)					11,725	11,782	11,713			
Cota Camada 7 (m)					11,605	11,662	11,593			
Cota (m):		11,783	11,742	11,447	11,455	11,512	11,443	11,435	11,731	11,764
E:		709.573,9188	709.573,9696	709.573,9696	709.573,9794	709.574,0927	709.574,2286	709.574,2384	709.574,2384	709.574,2792
N:		7.089.950,3711	7.089.948,3054	7.089.948,3054	7.089.947,9074	7.089.943,3038	7.089.937,7794	7.089.937,3815	7.089.937,3815	7.089.935,7252
Station: 11+10										
Dist. Eixo (m):		-6,870	-4,898	-4,898	-4,500	0,000	4,500	4,898	4,898	6,912
Cota Camada 1 (m)					11,881	11,871	11,881			
Cota Camada 3 (m)					11,801	11,891	11,801			
Cota Camada 6 (m)					11,761	11,851	11,761			
Cota Camada 7 (m)					11,641	11,731	11,641			
Cota (m):		11,818	11,779	11,483	11,491	11,581	11,491	11,483	11,779	11,819
E:		709.583,9207	709.583,9692	709.583,9692	709.583,9790	709.584,0897	709.584,2004	709.584,2102	709.584,2102	709.584,2597
N:		7.089.950,4173	7.089.948,4465	7.089.948,4465	7.089.948,0484	7.089.943,5498	7.089.939,0512	7.089.938,6533	7.089.938,6533	7.089.936,6402
Station: 12+0										
Dist. Eixo (m):		-6,928	-4,897	-4,897	-4,499	0,000	4,501	4,899	4,899	7,123
Cota Camada 1 (m)					11,950	12,039	11,949			
Cota Camada 3 (m)					11,870	11,959	11,869			
Cota Camada 6 (m)					11,830	11,919	11,829			
Cota Camada 7 (m)					11,710	11,799	11,709			
Cota (m):		11,888	11,847	11,552	11,560	11,649	11,559	11,552	11,848	11,892
E:		709.593,9162	709.593,9662	709.593,9662	709.593,9760	709.594,0866	709.594,1974	709.594,2072	709.594,2072	709.594,2619
N:		7.089.950,7213	7.089.948,6913	7.089.948,6913	7.089.948,2933	7.089.943,7958	7.089.939,2960	7.089.939,8981	7.089.939,8981	7.089.936,6747
Station: 12+10										
Dist. Eixo (m):		-7,020	-4,896	-4,896	-4,498	0,000	4,502	4,900	4,900	7,269
Cota Camada 1 (m)					11,998	12,088	11,998			
Cota Camada 3 (m)					11,918	12,008	11,918			
Cota Camada 6 (m)					11,878	11,968	11,878			
Cota Camada 7 (m)					11,758	11,848	11,758			
Cota (m):		11,938	11,896	11,600	11,608	11,698	11,608	11,600	11,896	11,943
E:		709.603,9109	709.603,9632	709.603,9632	709.603,9730	709.604,0836	709.604,1944	709.604,2042	709.604,2042	709.604,2624
N:		7.089.951,0593	7.089.948,9361	7.089.948,9361	7.089.948,5381	7.089.944,0418	7.089.939,5408	7.089.939,1430	7.089.939,1430	7.089.936,7754
Station: 13+0										
Dist. Eixo (m):		-7,121	-4,895	-4,895	-4,496	0,000	4,504	4,902	4,902	7,253
Cota Camada 1 (m)					12,018	12,108	12,018			
Cota Camada 3 (m)					11,938	12,028	11,938			
Cota Camada 6 (m)					11,898	11,988	11,898			
Cota Camada 7 (m)					11,778	11,868	11,778			
Cota (m):		11,961	11,916	11,620	11,628	11,718	11,628	11,620	11,916	11,963
E:		709.613,9054	709.613,9602	709.613,9602	709.613,9700	709.614,0806	709.614,1914	709.614,2012	709.614,2012	709.614,2590
N:		7.089.951,4065	7.089.949,1809	7.089.949,1809	7.089.948,7829	7.089.944,2878	7.089.939,7856	7.089.939,3878	7.089.939,3878	7.089.937,0368
Station: 13+10										
Dist. Eixo (m):		-7,216	-4,893	-4,893	-4,495	0,000	4,505	4,903	4,903	7,357
Cota Camada 1 (m)					12,011	12,101	12,010			
Cota Camada 3 (m)					11,931	12,021	11,930			
Cota Camada 6 (m)					11,891	11,981	11,890			
Cota Camada 7 (m)					11,771	11,861	11,770			
Cota (m):		11,955	11,908	11,613	11,621	11,711	11,620	11,613	11,908	11,957
E:		709.623,9000	709.623,9572	709.623,9572	709.623,9670	709.624,0776	709.624,1884	709.624,1982	709.624,1982	709.624,2585
N:		7.089.951,7478	7.089.949,4257	7.089.949,4257	7.089.949,0277	7.089.944,5338	7.089.940,0304	7.089.939,6326	7.089.939,6326	7.089.937,1791
Station: 14+0										
Dist. Eixo (m):		-7,312	-4,892	-4,892	-4,494	0,000	4,506	4,904	4,904	7,523
Cota Camada 1 (m)					11,976	12,066	11,975			
Cota Camada 3 (m)					11,896	11,986	11,895			
Cota Camada 6 (m)					11,856	11,946	11,855			
Cota Camada 7 (m)					11,736	11,826	11,735			
Cota (m):		11,921	11,873	11,578	11,586	11,676	11,585	11,577	11,874	11,926
E:		709.633,8947	709.633,9542	709.633,9542	709.633,9640	709.634,0745	709.634,1854	709.634,1952	709.634,1952	709.634,2596
N:		7.089.952,0894	7.089.949,6706	7.089.949,6706	7.089.949,2725	7.089.944,7798	7.089.940,2752	7.089.939,8774	7.089.939,8774	7.089.937,2586
Station: 14+10										
Dist. Eixo (m):		-7,407	-4,891	-4,891	-4,493	0,000	4,507	4,905	4,905	7,420
Cota Camada 1 (m)					11,932	12,022	11,932			
Cota Camada 3 (m)					11,852	11,942	11,852			
Cota Camada 6 (m)					11,812	11,902	11,812			
Cota Camada 7 (m)					11,692	11,782	11,692			
Cota (m):		11,880	11,830	11,534	11,542	11,632	11,542	11,534	11,830	11,880
E:		709.643,8893	709.643,9512	709.643,9512	709.643,9610					

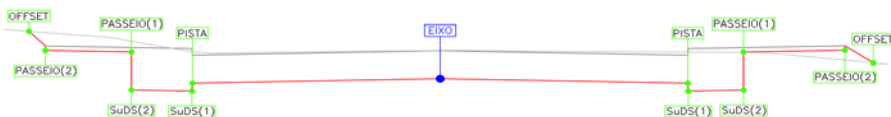
PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA COMANDANTE KARL BUSCH

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL.PAV	PISTA	EIXO	PISTA	TAL.PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 15+0											
Dist. Eixo (m):		-14,990	-8,939	-8,939	-8,541	0,000	8,892	9,290	9,290	12,023	
Cota Camada 1 (m)					12,014	11,879	11,850				
Cota Camada 3 (m)					11,834	11,809	11,770				
Cota Camada 6 (m)					11,894	11,859	11,730				
Cota Camada 7 (m)					11,774	11,739	11,610				
Cota (m):		12,033	11,912	11,616	11,624	11,589	11,460	11,452	11,747	11,802	
E:		709.653.6997	709.653.8486	709.653.8486	709.653.8584	709.654.0685	709.654.2872	709.654.2970	709.654.3642		
N:		7.089.960.2576	7.089.954.2085	7.089.954.2085	7.089.953.8105	7.089.945.2718	7.089.936.3827	7.089.935.9849	7.089.935.9849	7.089.933.2523	

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO(2)	PASSEIO(1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO(1)	PASSEIO(2)	OFFSET
Station: 15+9													
Dist. Eixo (m):		-13,170	-11,226	-11,226	-10,736	-10,726	0,000	10,113	10,123	10,613	10,613		12,892
Cota Camada 1 (m)						11,890	11,893	11,721					
Cota Camada 3 (m)						11,810	11,813	11,641					
Cota Camada 6 (m)						11,770	11,773	11,601					
Cota Camada 7 (m)						11,650	11,653	11,481					
Cota (m):		12,088	11,950	11,100	11,090	11,500	11,503	11,331	10,921	10,931	11,781	11,827	
E:		709.663.5944	709.663.5719	709.663.5719	709.663.5662	709.663.5661	709.663.4419	709.663.3250	709.663.3248	709.663.3192	709.663.3192	709.663.2928	
N:		7.089.958.3654	7.089.956.4189	7.089.956.4189	7.089.955.9288	7.089.955.9188	7.089.945.1805	7.089.935.0681	7.089.935.0581	7.089.934.5681	7.089.934.5681	7.089.932.2895	

Station: 15+10

Dist. Eixo (m):		-13,182	-9,715	-9,715	-9,225	-9,215	0,000	8,843	8,853	9,343	9,343		12,891
Cota Camada 1 (m)						11,858	11,885	11,718					
Cota Camada 3 (m)						11,778	11,805	11,638					
Cota Camada 6 (m)						11,738	11,765	11,598					
Cota Camada 7 (m)						11,618	11,645	11,478					
Cota (m):		12,087	11,918	11,068	11,058	11,468	11,495	11,328	10,918	10,927	11,777	11,848	
E:		709.663.5805	709.663.7085	709.663.7085	709.663.7266	709.663.7270	709.664.0673	709.664.3939	709.664.3943	709.664.4124	709.664.4124	709.664.5434	
N:		7.089.958.3770	7.089.954.9120	7.089.954.9118	7.089.954.4221	7.089.954.4121	7.089.945.2036	7.089.936.3664	7.089.936.3564	7.089.935.8668	7.089.935.8668	7.089.932.3214	

Station: 16+0

Dist. Eixo (m):		-7,721	-5,500	-5,500	-5,009	-4,999	0,000	5,001	5,011	5,501	5,501		7,819
Cota Camada 1 (m)						11,656	11,756	11,656					
Cota Camada 3 (m)						11,576	11,676	11,576					
Cota Camada 6 (m)						11,536	11,636	11,536					
Cota Camada 7 (m)						11,416	11,516	11,416					
Cota (m):		11,760	11,715	10,866	10,856	11,266	11,366	11,266	10,856	10,865	11,716	11,762	
E:		709.673.7753	709.673.8574	709.673.8574	709.673.8755	709.673.8759	709.674.0605	709.674.2452	709.674.2455	709.674.2636	709.674.2636	709.674.3493	
N:		7.089.953.2890	7.089.951.0688	7.089.951.0688	7.089.950.5789	7.089.950.5689	7.089.945.5729	7.089.940.5757	7.089.940.5657	7.089.940.0761	7.089.940.0761	7.089.937.7594	

Station: 16+10

Dist. Eixo (m):		-7,824	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500		7,853
Cota Camada 1 (m)						11,526	11,626	11,526					
Cota Camada 3 (m)						11,446	11,546	11,446					
Cota Camada 6 (m)						11,406	11,506	11,406					
Cota Camada 7 (m)						11,286	11,386	11,286					
Cota (m):		11,632	11,586	10,736	10,726	11,136	11,236	11,136	10,726	10,736	11,586	11,633	
E:		709.683.7647	709.683.8505	709.683.8505	709.683.8687	709.683.8690	709.684.0537	709.684.2383	709.684.2387	709.684.2568	709.684.2568	709.684.3437	
N:		7.089.953.7606	7.089.951.4383	7.089.951.4383	7.089.950.9484	7.089.950.9384	7.089.945.9423	7.089.940.9453	7.089.940.9353	7.089.940.4456	7.089.940.4456	7.089.938.0950	

Station: 17+0

Dist. Eixo (m):		-7,832	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500		7,833
Cota Camada 1 (m)						11,397	11,497	11,397					
Cota Camada 3 (m)						11,317	11,417	11,317					
Cota Camada 6 (m)						11,277	11,377	11,277					
Cota Camada 7 (m)						11,157	11,257	11,157					
Cota (m):		11,503	11,456	10,607	10,597	11,007	11,107	11,007	10,597	10,606	11,456	11,503	
E:		709.693.7576	709.693.8437	709.693.8437	709.693.8618	709.693.8622	709.694.0468	709.694.2315	709.694.2319	709.694.2500	709.694.2500	709.694.3362	
N:		7.089.954.1381	7.089.951.8078	7.089.951.8078	7.089.951.3180	7.089.951.3080	7.089.946.3116	7.089.941.3148	7.089.941.3048	7.089.940.8151	7.089.940.8151	7.089.938.4835	

Station: 17+10

Dist. Eixo (m):		-7,878	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500		7,829
Cota Camada 1 (m)						11,281	11,381	11,281					
Cota Camada 3 (m)						11,201	11,301	11,201					
Cota Camada 6 (m)						11,161	11,261	11,161					
Cota Camada 7 (m)						11,041	11,141	11,041					
Cota (m):		11,389	11,341	10,491	10,481	10,891	10,991	10,891	10,481	10,491	11,341	11,388	
E:		709.703.7491	709.703.8369	709.703.8369	709.703.8550	709.703.8554	709.704.0400	709.704.2247	709.704.2251	709.704.2432	709.704.2432	709.704.3292	
N:		7.089.954.5532	7.089.952.1774	7.089.952.1774	7.089.951.6875	7.089.951.6775	7.089.946.6809	7.089.941.6843	7.089.941.6743	7.089.941.1847	7.089.941.1847	7.089.938.8569	

Station: 18+0

Dist. Eixo (m):		-7,728	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500		7,802
Cota Camada 1 (m)						11,219	11,319	11,219					
Cota Camada 3 (m)						11,139	11,239	11,139					
Cota Camada 6 (m)						11,099	11,199	11,099					
Cota Camada 7 (m)						10,979	11,079	10,979					
Cota (m):		11,324	11,279	10,429	10,419	10,829	10,929	10,829	10,419	10,429	11,279	11,325	
E:		709.713.7478	709.713.8301	709.713.8301	709.713.8482	709.713.8485	709.714.0332	709.714.2179	709.714.2182	709.714.2363	709.714.2363	709.714.3214	
N:		7.089.954.7728	7.089.952.5469	7.089.952.5469	7.089.952.0570	7.089.952.0470	7.089.947.0502	7.089.942.0538	7.089.942.0439	7.089.941.5542	7.089.941.5542	7.089.939.2532	

Station: 18+10

Dist. Eixo (m):		-7,597	-5,501	-5,501	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500		7,840
Cota Camada 1 (m)						11,199	11,299	11,199					
Cota Camada 3 (m)						11,119	11,219	11,119					
Cota Camada 6 (m)						11,079	11,179	11,079					
Cota Camada 7 (m)						10,959	11,059	10,959					
Cota (m):		11,301	11,259	10,409	10,399	10,809	10,909	10,809	10,399	10,409	11,259	11,306	
E:		709.723.7458	709.723.8232	709.723.8232	709.723.8413	709.723.8417	709.724.0264	709.724.2110	709.724.2114	709.724.2295	709.724.2295	709.724.3159	
N:		7.089.955.0114	7.089.952.9164	7.089.952.9164	7.089.952.4265	7.089.952.4166	7.089.947.4196	7.089.942.4234	7.089.942.4134	7.089.941.9237	7.089.941.9237	7.089.939.5854	

Station: 19+0

Dist. Eixo (m):		-7,672	-5,501	-5,501	-5,011	-5,001	0,000	4,999	5,009	5,499	5,499		7,877
Cota Camada 1 (m)						11,181	11,281						

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Station: 19+10													
Dist. Eixo (m):	-8,038	-5,501	-5,501	-5,011	-5,001	0,000	4,999	5,009	5,499	5,499			7,954
Cota Camada 1 (m)					11,161	11,261	11,161						
Cota Camada 3 (m)					11,081	11,181	11,081						
Cota Camada 6 (m)					11,041	11,141	11,041						
Cota Camada 7 (m)					10,921	11,021	10,921						
Cota (m):	11,272	11,221	10,371	10,361	10,771	10,871	10,771	10,361	10,371	11,221	11,270		
E:	709.743,7159	709.743,8096	709.743,8096	709.743,8277	709.743,8280	709.744,0127	709.744,1974	709.744,1977	709.744,2158	709.744,2158	709.744,3065		
N:	7.089.956,1908	7.089.953,6555	7.089.953,6555	7.089.953,1656	7.089.953,1556	7.089.948,1582	7.089.943,1624	7.089.943,1524	7.089.942,6628	7.089.942,6628	7.089.940,2097		
Station: 20+0													
Dist. Eixo (m):	-7,969	-5,501	-5,501	-5,011	-5,001	0,000	4,999	5,009	5,499	5,499			8,168
Cota Camada 1 (m)					11,129	11,229	11,129						
Cota Camada 3 (m)					11,049	11,149	11,049						
Cota Camada 6 (m)					11,009	11,109	11,009						
Cota Camada 7 (m)					10,889	10,989	10,889						
Cota (m):	11,238	11,189	10,339	10,329	10,739	10,839	10,739	10,329	10,339	11,189	11,242		
E:	709.753,7116	709.753,8027	709.753,8027	709.753,8208	709.753,8212	709.754,0059	709.754,1905	709.754,1909	709.754,2090	709.754,2090	709.754,3076		
N:	7.089.956,4913	7.089.954,0250	7.089.954,0250	7.089.953,5351	7.089.953,5251	7.089.948,5276	7.089.943,5320	7.089.943,5220	7.089.943,0323	7.089.943,0323	7.089.940,3651		
Station: 20+10													
Dist. Eixo (m):	-7,881	-5,501	-5,501	-5,011	-5,001	0,000	4,999	5,009	5,499	5,499			8,223
Cota Camada 1 (m)					11,083	11,183	11,083						
Cota Camada 3 (m)					11,003	11,103	11,003						
Cota Camada 6 (m)					10,963	11,063	10,963						
Cota Camada 7 (m)					10,843	10,943	10,843						
Cota (m):	11,190	11,142	10,293	10,283	10,693	10,793	10,693	10,283	10,292	11,143	11,197		
E:	709.763,7080	709.763,7959	709.763,7959	709.763,8140	709.763,8144	709.763,9991	709.764,1837	709.764,1841	709.764,2022	709.764,2022	709.764,3028		
N:	7.089.956,7722	7.089.954,3945	7.089.954,3945	7.089.953,9047	7.089.953,8947	7.089.948,8966	7.089.943,9015	7.089.943,8915	7.089.943,4018	7.089.943,4018	7.089.940,6796		
Station: 21+0													
Dist. Eixo (m):	-7,814	-5,502	-5,502	-5,011	-5,001	0,000	4,999	5,009	5,499	5,499			8,086
Cota Camada 1 (m)					11,033	11,133	11,033						
Cota Camada 3 (m)					10,953	11,053	10,954						
Cota Camada 6 (m)					10,913	11,013	10,914						
Cota Camada 7 (m)					10,793	10,893	10,794						
Cota (m):	11,140	11,093	10,243	10,233	10,643	10,743	10,644	10,234	10,243	11,093	11,145		
E:	709.773,7037	709.773,7891	709.773,7891	709.773,8072	709.773,8076	709.773,9923	709.774,1769	709.774,1772	709.774,1953	709.774,1953	709.774,2909		
N:	7.089.957,0744	7.089.954,7641	7.089.954,7641	7.089.954,2742	7.089.954,2642	7.089.949,2662	7.089.944,2710	7.089.944,2610	7.089.943,7714	7.089.943,7714	7.089.941,1860		
Station: 21+10													
Dist. Eixo (m):	-7,778	-5,502	-5,502	-5,012	-5,002	0,000	4,998	5,008	5,498	5,498			7,949
Cota Camada 1 (m)					10,984	11,084	10,984						
Cota Camada 3 (m)					10,904	11,004	10,904						
Cota Camada 6 (m)					10,864	10,964	10,864						
Cota Camada 7 (m)					10,744	10,844	10,744						
Cota (m):	11,090	11,044	10,194	10,184	10,594	10,694	10,594	10,184	10,194	11,044	11,093		
E:	709.783,6982	709.783,7822	709.783,7822	709.783,8004	709.783,8007	709.783,9854	709.784,1700	709.784,1704	709.784,1885	709.784,1885	709.784,2790		
N:	7.089.957,4086	7.089.955,1336	7.089.955,1336	7.089.954,6437	7.089.954,6337	7.089.949,6355	7.089.944,6405	7.089.944,6306	7.089.944,1409	7.089.944,1409	7.089.941,6924		
Station: 22+0													
Dist. Eixo (m):	-7,866	-5,502	-5,502	-5,012	-5,002	0,000	4,998	5,008	5,498	5,498			7,866
Cota Camada 1 (m)					10,835	11,035	10,835						
Cota Camada 3 (m)					10,855	10,955	10,855						
Cota Camada 6 (m)					10,815	10,915	10,815						
Cota Camada 7 (m)					10,695	10,795	10,695						
Cota (m):	11,042	10,995	10,145	10,135	10,545	10,645	10,545	10,135	10,145	10,995	11,042		
E:	709.793,6681	709.793,7754	709.793,7754	709.793,7935	709.793,7939	709.793,9786	709.794,1632	709.794,1636	709.794,1817	709.794,1817	709.794,2691		
N:	7.089.957,8651	7.089.955,5031	7.089.955,5031	7.089.955,0132	7.089.955,0033	7.089.950,0049	7.089.945,0101	7.089.945,0001	7.089.944,5104	7.089.944,5104	7.089.942,1438		
Desenho Esquemático:													
PONTOS NOTÁVEIS	OFFSET	PASSEIO(2)	PASSEIO(1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO(1)	PASSEIO(2)	OFFSET
Station: 22+10													
Dist. Eixo (m):	-7,886	-5,502	-5,502	-5,012	-5,002	0,000	4,998	5,008	5,498	5,498			7,858
Cota Camada 1 (m)					10,886	10,986	10,886						
Cota Camada 3 (m)					10,806	10,906	10,806						
Cota Camada 6 (m)					10,766	10,866	10,766						
Cota Camada 7 (m)					10,646	10,746	10,646						
Cota (m):	10,994	10,946	10,096	10,086	10,496	10,596	10,496	10,086	10,096	10,946	10,993		
E:	709.803,6806	709.803,7686	709.803,7686	709.803,7867	709.803,7871	709.803,9718	709.804,1564	709.804,1568	709.804,1749	709.804,1749	709.804,2620		
N:	7.089.958,2544	7.089.955,8726	7.089.955,8726	7.089.955,3828	7.089.955,3728	7.089.950,3742	7.089.945,3796	7.089.945,3696	7.089.944,8799	7.089.944,8799	7.089.942,5216		
Station: 23+0													
Dist. Eixo (m):	-7,889	-5,502	-5,502	-5,012	-5,002	0,000	4,998	5,008	5,498	5,498			7,872
Cota Camada 1 (m)					10,837	10,937	10,837						
Cota Camada 3 (m)					10,757	10,857	10,757						
Cota Camada 6 (m)					10,717	10,817	10,717						
Cota Camada 7 (m)					10,597	10,697	10,597						
Cota (m):	10,945	10,897	10,047	10,037	10,447	10,547	10,447	10,037	10,047	10,897	10,944		
E:	709.813,6736	709.813,7618	709.813,7618	709.813,7799	709.813,7802	709.813,9650	709.814,1496	709.814,1499	709.814,1680	709.814,1680	709.814,2557		
N:	7.089.958,6268	7.089.956,2422	7.089.956,2422	7.089.955,7523	7.089.955,7423	7.089.950,7435	7.089.945,7491	7.089.945,7391	7.089.945,2495	7.089.945,2495	7.089.942,8768		
Station: 23+10													
Dist. Eixo (m):	-7,942	-5,503	-5,503	-5,012	-5,002	0,000	4,998	5,008	5,498	5,498			7,874
Cota Camada 1 (m)					10,788	10,888	10,788						
Cota Camada 3 (m)					10,708	10,808	10,708						
Cota Camada 6 (m)					10,668	10,768	10,668						
Cota Camada 7 (m)					10,548	10,648	10,548						
Cota (m):	10,896	10,848	9,998	9,988	10,398	10,498	10,398	9,988	9,998	10,847	10,895		
E:	709.823,6648	709.823,7549	709.823,7549	709.823,7730	709.823,7734	709.823,9582	709.824,1427	709.824,1431	709.824,1612	709.824,1612	709.824,2490		
N:	7.089.959,0497	7.089.956,6117	7.089.956,6117	7.089.956,1218	7.089.956,1118	7.089.951,1128	7.089.946,1187	7.089.946,1087	7.089.945,6190	7.089.945,6190	7.089.943,2445		
Station: 24+0													
Dist. Eixo (m):	-7,934	-5,503	-5,503	-5,013	-5,003	0,000	4,997	5,007	5,497	5,497			7,855
Cota Camada 1 (m)					10,726	10,826	10,726						
Cota Camada 3 (m)					10,646	10,746	10,646						
Cota Camada 6 (m)					10,606	10,706	10,606						
Cota Camada 7 (m)													

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Station: 24+13											
Dist. Eixo (m):	-7,943	-5,503	-5,503	-5,013	-5,003	0,000	5,010	5,020	5,509	5,509	7,881
Cota Camada 1 (m)					10,589	10,689	10,595				
Cota Camada 3 (m)					10,509	10,609	10,515				
Cota Camada 6 (m)					10,469	10,569	10,475				
Cota Camada 7 (m)					10,349	10,449	10,355				
Cota (m):	10,697	10,648	9,799	9,789	10,199	10,299	10,205	9,795	9,805	10,656	10,703
E:	709.847,0097	709.847,0998	709.847,0998	709.847,1179	709.847,1183	709.847,3031	709.847,4882	709.847,4885	709.847,5066	709.847,5066	709.847,5943
N:	7.089.959,9128	7.089.957,4749	7.089.957,4749	7.089.956,9851	7.089.956,9751	7.089.951,9756	7.089.946,9667	7.089.946,9567	7.089.946,4670	7.089.946,4670	7.089.944,0960
Station: 25+0											
Dist. Eixo (m):	-13,442	-9,423	-9,423	-8,933	-8,923	0,000	8,636	8,646	9,136	9,136	14,578
Cota Camada 1 (m)					10,608	10,608	10,604				
Cota Camada 3 (m)					10,528	10,528	10,524				
Cota Camada 6 (m)					10,488	10,488	10,484				
Cota Camada 7 (m)					10,368	10,368	10,364				
Cota (m):	10,848	10,667	9,818	9,808	10,218	10,218	10,214	9,804	9,814	10,664	10,773
E:	709.853,8927	709.853,9075	709.853,9075	709.853,9093	709.853,9094	709.853,9422	709.853,9739	709.853,9740	709.853,9758	709.853,9758	709.853,9958
N:	7.089.965,4418	7.089.961,4228	7.089.961,4228	7.089.960,9326	7.089.960,9226	7.089.962,0000	7.089.943,3644	7.089.943,3544	7.089.942,8644	7.089.942,8644	7.089.937,4224
Station: 25+1											
Dist. Eixo (m):			-13,215	-12,727	-12,717	0,000	11,280	11,292	11,780	11,800	14,540
Cota Camada 1 (m)					10,619	10,594	10,607				
Cota Camada 3 (m)					10,538	10,514	10,527				
Cota Camada 6 (m)					10,498	10,474	10,487				
Cota Camada 7 (m)					10,378	10,354	10,367				
Cota (m):			10,677	9,821	10,229	10,204	10,217	9,810	9,820	10,668	10,722
E:			709.855,0027	709.855,0045	709.855,0046	709.855,0513	709.855,0928	709.855,0928	709.855,0946	709.855,0947	709.855,1048
N:			7.089.965,2193	7.089.964,7308	7.089.964,7209	7.089.962,0041	7.089.940,7239	7.089.940,7122	7.089.940,2239	7.089.940,2047	7.089.937,4637
Station: 25+11											
Dist. Eixo (m):	-12,725	-11,627	-11,627	-11,138	-11,128	0,000	12,187	12,197			
Cota Camada 1 (m)					10,591	10,554	10,609				
Cota Camada 3 (m)					10,511	10,474	10,529				
Cota Camada 6 (m)					10,471	10,434	10,489				
Cota Camada 7 (m)					10,351	10,314	10,369				
Cota (m):	10,771	10,650	9,803	9,793	10,201	10,164	10,219	9,810			
E:	709.865,2142	709.865,2182	709.865,2182	709.865,2200	709.865,2201	709.865,2610	709.865,3058	709.865,3058			
N:	7.089.964,7670	7.089.963,6682	7.089.963,6682	7.089.963,1798	7.089.963,1699	7.089.962,0416	7.089.939,8545	7.089.939,8445			
Station: 25+19											
Dist. Eixo (m):	-8,413	-5,500	-5,500	-5,010	-5,000	0,000	5,002	5,012	5,502	5,502	6,941
Cota Camada 1 (m)					10,538	10,638	10,538				
Cota Camada 3 (m)					10,458	10,558	10,458				
Cota Camada 6 (m)					10,418	10,518	10,418				
Cota Camada 7 (m)					10,298	10,398	10,298				
Cota (m):	10,656	10,598	9,748	9,738	10,148	10,248	10,148	9,738	9,748	10,598	10,627
E:	709.873,4557	709.873,4664	709.873,4664	709.873,4682	709.873,4683	709.873,4867	709.873,5051	709.873,5051	709.873,5069	709.873,5069	709.873,5122
N:	7.089.960,4894	7.089.957,5745	7.089.957,5745	7.089.957,0843	7.089.957,0743	7.089.952,0719	7.089.947,0694	7.089.947,0594	7.089.946,5695	7.089.946,5695	7.089.945,1310
Station: 26+0											
Dist. Eixo (m):	-8,414	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	6,825
Cota Camada 1 (m)					10,541	10,641	10,541				
Cota Camada 3 (m)					10,461	10,561	10,461				
Cota Camada 6 (m)					10,421	10,521	10,421				
Cota Camada 7 (m)					10,301	10,401	10,301				
Cota (m):	10,659	10,601	9,751	9,741	10,151	10,251	10,151	9,741	9,751	10,601	10,627
E:	709.873,6460	709.873,7484	709.873,7484	709.873,7656	709.873,7660	709.873,9418	709.874,1175	709.874,1179	709.874,1351	709.874,1351	709.874,1817
N:	7.089.960,8257	7.089.957,5847	7.089.957,5847	7.089.957,0948	7.089.957,0848	7.089.952,0879	7.089.947,0910	7.089.947,0810	7.089.946,5913	7.089.946,5913	7.089.945,2671
Station: 26+10											
Dist. Eixo (m):	-8,391	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	6,781
Cota Camada 1 (m)					10,595	10,695	10,595				
Cota Camada 3 (m)					10,515	10,615	10,515				
Cota Camada 6 (m)					10,475	10,575	10,475				
Cota Camada 7 (m)					10,355	10,455	10,355				
Cota (m):	10,713	10,655	9,805	9,795	10,205	10,305	10,205	9,795	9,805	10,654	10,680
E:	709.883,6406	709.883,7422	709.883,7422	709.883,7594	709.883,7598	709.883,9356	709.884,1114	709.884,1117	709.884,1289	709.884,1289	709.884,1740
N:	7.089.960,8257	7.089.957,9363	7.089.957,9363	7.089.957,4464	7.089.957,4364	7.089.952,4395	7.089.947,4426	7.089.947,4326	7.089.946,9429	7.089.946,9429	7.089.945,6624
Station: 27+0											
Dist. Eixo (m):	-8,196	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	6,788
Cota Camada 1 (m)					10,649	10,749	10,649				
Cota Camada 3 (m)					10,569	10,669	10,569				
Cota Camada 6 (m)					10,529	10,629	10,529				
Cota Camada 7 (m)					10,409	10,509	10,409				
Cota (m):	10,763	10,709	9,859	9,849	10,259	10,359	10,259	9,849	9,859	10,709	10,735
E:	709.893,6413	709.893,7360	709.893,7360	709.893,7533	709.893,7536	709.893,9294	709.894,1052	709.894,1055	709.894,1228	709.894,1228	709.894,1681
N:	7.089.960,9819	7.089.958,2878	7.089.958,2878	7.089.957,7979	7.089.957,7879	7.089.952,7910	7.089.947,7941	7.089.947,7841	7.089.947,2944	7.089.947,2944	7.089.946,0069
Station: 27+10											
Dist. Eixo (m):	-8,060	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	6,832
Cota Camada 1 (m)					10,697	10,797	10,697				
Cota Camada 3 (m)					10,617	10,717	10,617				
Cota Camada 6 (m)					10,577	10,677	10,577				
Cota Camada 7 (m)					10,457	10,557	10,457				
Cota (m):	10,908	10,756	9,907	9,897	10,307	10,407	10,307	9,897	9,906	10,756	10,783
E:	709.903,6398	709.903,7298	709.903,7298	709.903,7471	709.903,7474	709.903,9232	709.904,0990	709.904,0993	709.904,1166	709.904,1166	709.904,1634
N:	7.089.961,1980	7.089.958,6394	7.089.958,6394	7.089.958,1495	7.089.958,1395	7.089.953,1426	7.089.948,1457	7.089.948,1357	7.089.947,6460	7.089.947,6460	7.089.946,3144
Station: 28+0											
Dist. Eixo (m):	-8,013	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	6,850
Cota Camada 1 (m)					10,710	10,810	10,710				
Cota Camada 3 (m)					10,630	10,730	10,630				
Cota Camada 6 (m)					10,590	10,690	10,590				
Cota Camada 7 (m)					10,470	10,570	10,470				
Cota (m):	10,920	10,769	9,920	9,910	10,320	10,420	10,320	9,910	9,919	10,769	10,796
E:	709.913,6353	709.913,7237	709.913,7237	709.913,7409	709.913,7412	709.913,9170	709.914,0928	709.914,0932	709.914,1104	709.914,1104	709.914,1578
N:	7.089.961,5021	7.089.958,9910	7.089.958,9910	7.089.958,5011	7.089.958,4911	7.089.953,4942	7.089.948,4973	7.089.948,4873	7.089.947,9976	7.089.947,9976	7.089.946,6488
Station: 28+10											
Dist. Eixo (m):	-7,965	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	6,866
Cota Camada 1 (m)					10,693	10,793	10,693				
Cota Camada 3 (m)					10,613	10,713	10,613				
Cota Camada 6 (m)					10,573	10,673	10,573				
Cota Camada 7 (m)					10,453	10,553	10,453				
Cota (m):	10,902	10,752	9,903	9,893	10,303	10,403	10,303	9,893	9,902	10,753	10,780
E:	709.923,6308	709.923,7175	709.923,7175	709.923,7347	709.923,7351	709.923,9108	709.924,0866	709.924,0870	709.924,1042	709.924,1042	709.924,1522
N:	7.089.961,8062	7.089.959,3425	7.089.959,3425	7.089.958,8526	7.089.958,8426	7.089.953,8457	7.089.948,8488	7.089.948,8388	7.089.948,3491	7.089.948,3491	7.089.946,9837
Station: 29+0											
Dist. Eixo (m):	-7,918	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	7,624
Cota Camada 1 (m)					10,673	10,773	10,673				
Cota Camada 3 (m)					10,593	10,693	10,593				
Cota Camada 6 (m)					10,553	10,653	10,553				
Cota Camada 7 (m)					10,433	10,533	10,433				
Cota (m):	10,781	10,732	9,883	9,873	10,283	10,383	10,283	9,873	9,882	10,733	10,775
E:	709.933,6263	709.933,7113	709.933,7113	709.933,728							

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA COMANDANTE KARL BUSCH

Station: 29+10													
Dist. Eixo (m):	-7,870	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	7,335	7,725	
Cota Camada 1 (m)					10,653	10,753	10,653						
Cota Camada 3 (m)					10,573	10,673	10,573						
Cota Camada 6 (m)					10,533	10,633	10,533						
Cota Camada 7 (m)					10,413	10,513	10,413						
Cota (m):	10,860	10,712	9,863	9,853	10,263	10,363	10,263	9,853	9,862	10,712	10,749	10,589	
E:	709.943,6218	709.943,7051	709.943,7051	709.943,7224	709.943,7227	709.943,8985	709.944,0743	709.944,0746	709.944,0918	709.944,0918	709.944,1564	709.944,1701	
N:	7.089.962,4143	7.089.960,0457	7.089.960,0457	7.089.959,5558	7.089.959,5468	7.089.954,5489	7.089.949,5519	7.089.949,5420	7.089.949,0523	7.089.949,0523	7.089.947,2183	7.089.946,8289	
Desenho Esquemático:													
PONTOS NOTÁVEIS	OFFSET	PASSEIO(2)	PASSEIO(1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO(1)	PASSEIO(2)	OFFSET
Station: 30+0													
Dist. Eixo (m):	-7,823	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	7,330		
Cota Camada 1 (m)					10,633	10,733	10,633						
Cota Camada 3 (m)					10,553	10,653	10,553						
Cota Camada 6 (m)					10,513	10,613	10,513						
Cota Camada 7 (m)					10,393	10,493	10,393						
Cota (m):	10,839	10,692	9,843	9,833	10,243	10,343	10,243	9,833	9,842	10,692	10,729		
E:	709.953,6173	709.953,6989	709.953,6989	709.953,7162	709.953,7165	709.953,8923	709.954,0681	709.954,0684	709.954,0857	709.954,0857	709.954,1500		
N:	7.089.962,7184	7.089.960,3972	7.089.960,3972	7.089.959,9073	7.089.959,8973	7.089.954,9004	7.089.949,9035	7.089.949,8935	7.089.949,4038	7.089.949,4038	7.089.947,5746		
Station: 30+10													
Dist. Eixo (m):	-7,809	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	7,126		
Cota Camada 1 (m)					10,613	10,713	10,613						
Cota Camada 3 (m)					10,533	10,633	10,533						
Cota Camada 6 (m)					10,493	10,593	10,493						
Cota Camada 7 (m)					10,373	10,473	10,373						
Cota (m):	10,819	10,672	9,823	9,813	10,223	10,323	10,223	9,813	9,822	10,672	10,705		
E:	709.963,6116	709.963,6928	709.963,6928	709.963,7100	709.963,7103	709.963,8861	709.964,0619	709.964,0623	709.964,0795	709.964,0795	709.964,1367		
N:	7.089.963,0566	7.089.960,7488	7.089.960,7488	7.089.960,2589	7.089.960,2489	7.089.955,2520	7.089.950,2551	7.089.950,2451	7.089.949,7554	7.089.949,7554	7.089.948,1299		
Station: 31+0													
Dist. Eixo (m):	-7,895	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	7,007		
Cota Camada 1 (m)					10,593	10,693	10,593						
Cota Camada 3 (m)					10,513	10,613	10,513						
Cota Camada 6 (m)					10,473	10,573	10,473						
Cota Camada 7 (m)					10,353	10,453	10,353						
Cota (m):	10,800	10,652	9,803	9,793	10,203	10,303	10,203	9,793	9,802	10,652	10,682		
E:	709.973,6024	709.973,6866	709.973,6866	709.973,7038	709.973,7042	709.973,8799	709.974,0557	709.974,0561	709.974,0733	709.974,0733	709.974,1263		
N:	7.089.963,4934	7.089.961,1004	7.089.961,1004	7.089.960,6105	7.089.960,6005	7.089.955,6036	7.089.950,6066	7.089.950,5967	7.089.950,1070	7.089.950,1070	7.089.948,6005		
Station: 31+10													
Dist. Eixo (m):	-7,860	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	7,027		
Cota Camada 1 (m)					10,573	10,673	10,573						
Cota Camada 3 (m)					10,493	10,593	10,493						
Cota Camada 6 (m)					10,453	10,553	10,453						
Cota Camada 7 (m)					10,333	10,433	10,333						
Cota (m):	10,680	10,632	9,783	9,773	10,183	10,283	10,183	9,773	9,782	10,632	10,663		
E:	709.983,5974	709.983,6804	709.983,6804	709.983,6976	709.983,6980	709.983,8738	709.984,0495	709.984,0499	709.984,0671	709.984,0671	709.984,1208		
N:	7.089.963,8098	7.089.961,4519	7.089.961,4519	7.089.960,9620	7.089.960,9520	7.089.955,9551	7.089.950,9582	7.089.950,9482	7.089.950,4585	7.089.950,4585	7.089.948,9326		
Station: 32+0													
Dist. Eixo (m):	-7,786	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	7,077		
Cota Camada 1 (m)					10,543	10,643	10,543						
Cota Camada 3 (m)					10,463	10,563	10,463						
Cota Camada 6 (m)					10,423	10,523	10,423						
Cota Camada 7 (m)					10,303	10,403	10,303						
Cota (m):	10,648	10,602	9,753	9,743	10,153	10,253	10,153	9,743	9,752	10,602	10,634		
E:	709.993,5939	709.993,6742	709.993,6742	709.993,6914	709.993,6918	709.993,8676	709.994,0434	709.994,0437	709.994,0609	709.994,0609	709.994,1164		
N:	7.089.964,0874	7.089.961,8035	7.089.961,8035	7.089.961,3136	7.089.961,3036	7.089.956,3067	7.089.951,3098	7.089.951,2998	7.089.950,8101	7.089.950,8101	7.089.949,2336		
Station: 32+10													
Dist. Eixo (m):	-7,712	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	7,026		
Cota Camada 1 (m)					10,493	10,593	10,493						
Cota Camada 3 (m)					10,413	10,513	10,413						
Cota Camada 6 (m)					10,373	10,473	10,373						
Cota Camada 7 (m)					10,253	10,353	10,253						
Cota (m):	10,697	10,553	9,703	9,693	10,103	10,203	10,103	9,693	9,703	10,552	10,583		
E:	710.003,5903	710.003,6680	710.003,6680	710.003,6853	710.003,6856	710.003,8614	710.004,0372	710.004,0375	710.004,0548	710.004,0548	710.004,1084		
N:	7.089.964,3651	7.089.962,1550	7.089.962,1550	7.089.961,6652	7.089.961,6552	7.089.956,6582	7.089.951,6613	7.089.951,6513	7.089.951,1616	7.089.951,1616	7.089.949,6370		
Station: 33+0													
Dist. Eixo (m):	-8,195	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	6,974		
Cota Camada 1 (m)					10,433	10,533	10,433						
Cota Camada 3 (m)					10,353	10,453	10,353						
Cota Camada 6 (m)					10,313	10,413	10,313						
Cota Camada 7 (m)					10,193	10,293	10,193						
Cota (m):	10,647	10,493	9,643	9,633	10,043	10,143	10,043	9,633	9,643	10,494	10,523		
E:	710.013,5671	710.013,6618	710.013,6618	710.013,6791	710.013,6794	710.013,8552	710.014,0310	710.014,0313	710.014,0486	710.014,0486	710.014,1004		
N:	7.089.965,1997	7.089.962,5066	7.089.962,5066	7.089.962,0167	7.089.962,0067	7.089.957,0098	7.089.952,0129	7.089.952,0029	7.089.951,5132	7.089.951,5132	7.089.950,0405		
Station: 33+10													
Dist. Eixo (m):	-8,750	-8,451	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	6,500	6,599
Cota Camada 1 (m)					10,374	10,474	10,374						
Cota Camada 3 (m)					10,294	10,394	10,294						
Cota Camada 6 (m)					10,254	10,354	10,254						
Cota Camada 7 (m)					10,134	10,234	10,134						
Cota (m):	10,892	10,593	10,434	9,584	9,574	10,084	9,984	9,574	9,584	10,434	10,454	10,653	
E:	710.023,5414	710.023,5519	710.023,6557	710.023,6557	710.023,6729	710.023,6732	710.023,8490	710.024,0248	710.024,0252	710.024,0424	710.024,0424	710.024,0775	710.024,0810
N:	7.089.966,1059	7.089.965,8075	7.089.962,8582	7.089.962,8582	7.089.962,3683	7.089.962,3583	7.089.957,3614	7.089.952,3645	7.089.952,3545	7.089.951,8648	7.089.951,8648	7.089.950,8654	7.089.950,7663
Station: 33+12													
Dist. Eixo (m):	-8,792	-8,512	-5,500	-5,500	-5,010	-5,000	0,000	5,000	5,010	5,500	5,500	6,500	6,598
Cota Camada 1 (m)					10,360	10,460	10,360						
Cota Camada 3 (m)					10,280	10,380	10,280						
Cota Camada 6 (m)					10,240	10,340	10,240						
Cota Camada 7 (m)					10,120	10,220	10,120						
Cota (m):	10,860	10,580	10,420	9,570	9,560	10,070	9,970	9,560	9,570	10,420	10,440	10,638	
E:	710.025,9022	710.025,9120	710.026,0179	710.026,0179	710.026,0351	710.026,0355	710.026,2112	710.02					

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA DANTE NAZATO

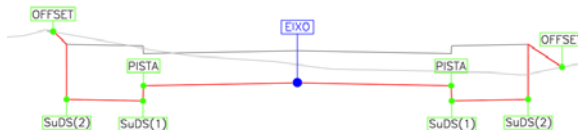
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 29+10									
Dist. Eixo (m):		-6,528	-4,399		0,000		3,445	5,291	
Cota (m):		22,174	22,131				22,310	22,347	
E:		709.143,7247	709.141,5966		709.137,1997		709.133,7565	709.131,9118	
N:		7.090.251,0824	7.090.251,0143		7.090.250,8738		7.090.250,7637	7.090.250,7047	
Station: 29+14									
Dist. Eixo (m):		-5,243	-3,216		0,000		3,414	5,295	
Cota (m):		22,609	22,567				22,727	22,765	
E:		709.142,5852	709.140,5594		709.137,3449		709.133,9329	709.132,0523	
N:		7.090.246,5000	7.090.246,4353		7.090.246,3325		7.090.246,2234	7.090.246,1633	
Station: 30+0									
Dist. Eixo (m):		-4,611	-2,622		0,000		3,410	5,335	
Cota (m):		23,027	22,987				23,105	23,143	
E:		709.142,1609	709.140,1737		709.137,5532		709.134,1454	709.132,2221	
N:		7.090.241,0561	7.090.240,9802		7.090.240,8801		7.090.240,7499	7.090.240,6764	
Station: 30+10									
Dist. Eixo (m):		-4,678	-2,672		0,000		3,348	5,407	
Cota (m):		23,693	23,652				23,727	23,768	
E:		709.142,6094	709.140,6055		709.137,9350		709.134,5898	709.132,5315	
N:		7.090.231,0660	7.090.230,9894		7.090.230,8874		7.090.230,7956	7.090.230,6809	
Station: 31+0									
Dist. Eixo (m):		-4,746	-2,756		0,000		3,264	5,480	
Cota (m):		23,930	23,890				23,925	23,969	
E:		709.143,0591	709.141,0712		709.138,3169		709.135,0556	709.132,8409	
N:		7.090.221,0758	7.090.220,9999		7.090.220,8947		7.090.220,7700	7.090.220,6854	
Station: 31+10									
Dist. Eixo (m):		-4,719	-2,734		0,000		3,286	5,552	
Cota (m):		24,121	24,081				24,077	24,123	
E:		709.143,4138	709.141,4306		709.138,6987		709.135,4149	709.133,1502	
N:		7.090.211,0821	7.090.211,0063		7.090.210,9019		7.090.210,7765	7.090.210,6899	
Station: 32+0									
Dist. Eixo (m):		-4,691	-2,711		0,000		3,309	5,625	
Cota (m):		24,204	24,164				24,185	24,231	
E:		709.143,7685	709.141,7899		709.139,0805		709.135,7743	709.133,4596	
N:		7.090.201,0884	7.090.201,0128		7.090.200,9092		7.090.200,7829	7.090.200,6945	
Station: 32+10									
Dist. Eixo (m):		-4,664	-2,689		0,000		3,331	5,697	
Cota (m):		24,187	24,147				24,156	24,203	
E:		709.144,1232	709.142,1492		709.139,4623		709.136,1336	709.133,7690	
N:		7.090.191,0946	7.090.191,0192		7.090.190,9165		7.090.190,7893	7.090.190,6990	
Station: 33+0									
Dist. Eixo (m):		-6,497	-2,659		0,000		3,361	5,770	
Cota (m):		24,145	24,068				24,013	24,061	
E:		709.146,3367	709.142,5014		709.139,8441		709.136,4857	709.134,0783	
N:		7.090.181,1719	7.090.181,0254		7.090.180,9238		7.090.180,7955	7.090.180,7035	
Station: 33+10									
Dist. Eixo (m):		-6,512	-2,618		0,000		3,402	5,830	
Cota (m):		24,072	23,994				23,920	23,968	
E:		709.146,7331	709.142,8418		709.140,2259		709.136,8261	709.134,3998	
N:		7.090.171,1797	7.090.171,0311		7.090.170,9311		7.090.170,8012	7.090.170,7085	
Station: 34+0									
Dist. Eixo (m):		-6,383	-2,576		0,000		3,444	5,863	
Cota (m):		23,999	23,923				23,851	23,899	
E:		709.146,9856	709.143,1822		709.140,6077		709.137,1665	709.134,7490	
N:		7.090.161,1821	7.090.161,0368		7.090.160,9384		7.090.160,8069	7.090.160,7145	
Station: 34+10									
Dist. Eixo (m):		-6,402	-2,535		0,000		3,485	5,895	
Cota (m):		23,908	23,831				23,721	23,769	
E:		709.147,3869	709.143,5225		709.140,9895		709.137,5069	709.135,0987	
N:		7.090.151,1901	7.090.151,0425		7.090.150,9457		7.090.150,8126	7.090.150,7206	
Station: 35+0									
Dist. Eixo (m):		-3,993	-2,493		0,000		3,527	5,927	
Cota (m):		23,699	23,669				23,484	23,532	
E:		709.145,3615	709.143,8629		709.141,3713		709.137,8472	709.135,4483	
N:		7.090.141,1054	7.090.141,0482		7.090.140,9530		7.090.140,8183	7.090.140,7267	
Station: 35+10									
Dist. Eixo (m):		-3,991	-2,452		0,000		3,568	5,959	
Cota (m):		23,627	23,496				23,247	23,295	
E:		709.145,7409	709.144,2033		709.141,7531		709.138,1876	709.135,7980	
N:		7.090.131,1126	7.090.131,0539		7.090.130,9603		7.090.130,8240	7.090.130,7327	
Station: 36+0									
Dist. Eixo (m):		-3,988	-2,421		0,000		3,599	5,992	
Cota (m):		23,310	23,279				23,037	23,085	
E:		709.146,1203	709.144,5544		709.142,1349		709.138,5389	709.136,1476	
N:		7.090.121,1198	7.090.121,0600		7.090.120,9676		7.090.120,8302	7.090.120,7388	
Station: 36+9									
Dist. Eixo (m):		-3,986	-2,448		0,000		3,572	6,021	
Cota (m):		23,069	23,038				22,982	23,031	
E:		709.146,4739	709.144,9367		709.142,4907		709.138,9212	709.136,4735	
N:		7.090.111,8079	7.090.111,7491		7.090.111,6557		7.090.111,5193	7.090.111,4258	

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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 36+10									
Dist. Eixo (m):		-3,999	-2,463		0,000		3,558	6,012	
Cota (m):		23,041	23,011				22,976	23,025	
E:		709.146,5025	709.144,9665		709.142,5042		709.138,9464	709.136,4934	
N:		7.090.111,0534	7.090.111,0231		7.090.110,9745		7.090.110,9043	7.090.110,8558	
Station: 37+0									
Dist. Eixo (m):		-4,181	-2,676		0,000		3,345	5,860	
Cota (m):		22,667	22,637				22,593	22,643	
E:		709.146,8820	709.145,3769		709.142,7016		709.139,3568	709.136,8431	
N:		7.090.101,0590	7.090.101,0293		7.090.100,9764		7.090.100,9104	7.090.100,8608	
Station: 37+10									
Dist. Eixo (m):		-4,309	-2,889		0,000		3,132	5,757	
Cota (m):		22,278	22,250				22,211	22,263	
E:		709.147,2071	709.145,7873		709.142,8990		709.139,7672	709.137,1427	
N:		7.090.091,0635	7.090.091,0354		7.090.090,9784		7.090.090,9166	7.090.090,8647	
Station: 38+0									
Dist. Eixo (m):		-4,395	-2,909		0,000				
Cota (m):		21,802	21,772						
E:		709.147,4910	709.146,0045		709.143,0964				
N:		7.090.081,0671	7.090.081,0378		7.090.080,9803				
Station: 38+10									
Dist. Eixo (m):		-4,465	-3,038		0,000				
Cota (m):		21,233	21,204						
E:		709.147,7578	709.146,3313		709.143,2938				
N:		7.090.071,0704	7.090.071,0423		7.090.070,9823				
Station: 39+0									
Dist. Eixo (m):		-6,380	-3,024	-3,014	0,000	3,008	3,018	5,512	
ota Camada 1 (m)				21,198	21,029	21,198			
ota Camada 6 (m)				21,158	20,989	21,158			
ota Camada 7 (m)				20,988	20,819	20,988			
Cota (m):		20,525	20,458	20,588	20,649	20,588	20,458	20,508	
E:		709.149,8701	709.146,5143	709.146,5043	709.143,4912	709.140,4839	709.140,4739	709.137,9804	
N:		7.090.061,1102	7.090.061,0439	7.090.061,0437	7.090.060,9842	7.090.060,9249	7.090.060,9247	7.090.060,8754	
Station: 39+10									
Dist. Eixo (m):		-6,276	-4,303	-4,293	0,000	3,284	3,294	5,552	
ota Camada 1 (m)				20,441	20,297	20,461			
ota Camada 6 (m)				20,401	20,257	20,421			
ota Camada 7 (m)				20,231	20,087	20,251			
Cota (m):		19,740	19,701	19,831	19,917	19,851	19,721	19,766	
E:		709.150,1537	709.148,1821	709.148,1721	709.143,8831	709.140,6019	709.140,5919	709.138,3361	
N:		7.090.051,2602	7.090.051,1760	7.090.051,1755	7.090.050,9923	7.090.050,8521	7.090.050,8516	7.090.050,7552	
Station: 40+0									
Dist. Eixo (m):		-6,137	-4,290	-4,280	0,000	3,594	3,604	5,626	
ota Camada 1 (m)				19,709	19,565	19,723			
ota Camada 6 (m)				19,669	19,525	19,683			
ota Camada 7 (m)				19,499	19,355	19,513			
Cota (m):		19,006	18,969	19,099	19,185	19,113	18,983	19,023	
E:		709.150,4416	709.148,5958	709.148,5858	709.144,3101	709.140,7190	709.140,7090	709.138,6891	
N:		7.090.041,2634	7.090.041,1845	7.090.041,1841	7.090.041,0014	7.090.040,8479	7.090.040,8475	7.090.040,7612	
Station: 40+10									
Dist. Eixo (m):		-6,161	-4,235	-4,225	0,000	3,775	3,785	5,733	
ota Camada 1 (m)				18,978	18,833	18,987			
ota Camada 6 (m)				18,938	18,793	18,947			
ota Camada 7 (m)				18,768	18,623	18,777			
Cota (m):		18,277	18,238	18,368	18,453	18,377	18,247	18,286	
E:		709.150,8923	709.148,9685	709.148,9585	709.144,7370	709.140,9655	709.140,9555	709.139,0088	
N:		7.090.031,2735	7.090.031,1913	7.090.031,1909	7.090.031,0105	7.090.030,8493	7.090.030,8489	7.090.030,7657	
Station: 41+0									
Dist. Eixo (m):		-6,064	-4,151	-4,141	0,000	3,859	3,869	5,841	
ota Camada 1 (m)				18,187	18,039	18,192			
ota Camada 6 (m)				18,147	17,999	18,152			
ota Camada 7 (m)				17,977	17,829	17,982			
Cota (m):		17,485	17,447	17,577	17,659	17,582	17,452	17,492	
E:		709.151,2224	709.149,3111	709.149,3011	709.145,1639	709.141,3081	709.141,2981	709.139,3285	
N:		7.090.021,2785	7.090.021,1968	7.090.021,1964	7.090.021,0196	7.090.020,8549	7.090.020,8544	7.090.020,7703	
Station: 41+10									
Dist. Eixo (m):		-5,990	-4,067	-4,057	0,000	3,944	3,954	5,847	
ota Camada 1 (m)				17,284	17,136	17,287			
ota Camada 6 (m)				17,244	17,096	17,247			
ota Camada 7 (m)				17,074	16,926	17,077			
Cota (m):		16,583	16,544	16,674	16,756	16,677	16,547	16,585	
E:		709.151,5757	709.149,6536	709.149,6437	709.145,5908	709.141,6507	709.141,6407	709.139,7494	
N:		7.090.011,2845	7.090.011,2023	7.090.011,2019	7.090.011,0287	7.090.010,8604	7.090.010,8599	7.090.010,7791	
Station: 42+0									
Dist. Eixo (m):		-5,936	-3,982	-3,972	0,000	4,028	4,038	5,945	
ota Camada 1 (m)				16,333	16,183	16,332			
ota Camada 6 (m)				16,293	16,143	16,292			
ota Camada 7 (m)				16,123	15,973	16,122			
Cota (m):		15,632	15,593	15,723	15,803	15,722	15,592	15,630	
E:		709.151,9485	709.149,9962	709.149,9863	709.146,0178	709.141,9933	709.141,9833	709.140,0778	
N:		7.090.001,2913	7.090.001,2079	7.090.001,2074	7.090.001,0379	7.090.000,8659	7.090.000,8655	7.090.000,7840	

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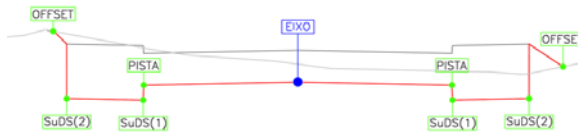
Station: 42+10									
Dist. Eixo (m):		-5,847	-3,903	-3,893	0,000	4,107	4,117	6,091	
ota Camada 1 (m)				15,466	15,314	15,462			
ota Camada 6 (m)				15,426	15,274	15,422			
ota Camada 7 (m)				15,256	15,104	15,252			
Cota (m):		14,765	14,726	14,856	14,934	14,852	14,722	14,762	
E:		709.152,2836	709.150,3402	709.150,3302	709.146,4397	709.142,3345	709.142,3245	709.140,3517	
N:		7.089.991,2386	7.089.991,1748	7.089.991,1745	7.089.991,0468	7.089.990,9120	7.089.990,9117	7.089.990,8469	

Station: 43+0									
Dist. Eixo (m):		-5,856	-3,917	-3,907	0,000	4,093	4,103	6,041	
ota Camada 1 (m)				14,786	14,634	14,782			
ota Camada 6 (m)				14,746	14,594	14,742			
ota Camada 7 (m)				14,576	14,424	14,572			
Cota (m):		14,085	14,046	14,176	14,254	14,172	14,042	14,081	
E:		709.152,6203	709.150,6827	709.150,6727	709.146,7678	709.142,6770	709.142,6670	709.140,7300	
N:		7.089.981,2443	7.089.981,1807	7.089.981,1804	7.089.981,0522	7.089.980,9179	7.089.980,9175	7.089.980,8539	

Station: 43+10									
Dist. Eixo (m):		-5,844	-3,932	-3,922	0,000	4,078	4,088	5,991	
ota Camada 1 (m)				14,293	14,142	14,290			
ota Camada 6 (m)				14,253	14,102	14,250			
ota Camada 7 (m)				14,083	13,932	14,080			
Cota (m):		13,592	13,553	13,683	13,762	13,680	13,550	13,588	
E:		709.152,9371	709.151,0253	709.151,0153	709.147,0959	709.143,0196	709.143,0096	709.141,1084	
N:		7.089.971,2493	7.089.971,1866	7.089.971,1862	7.089.971,0575	7.089.970,9237	7.089.970,9234	7.089.970,8610	

Station: 44+0									
Dist. Eixo (m):		-5,872	-3,946	-3,936	0,000	4,064	4,074	5,974	
ota Camada 1 (m)				13,989	13,838	13,987			
ota Camada 6 (m)				13,949	13,798	13,947			
ota Camada 7 (m)				13,779	13,628	13,777			
Cota (m):		13,288	13,249	13,379	13,458	13,377	13,247	13,285	
E:		709.153,2930	709.151,3679	709.151,3579	709.147,4240	709.143,3622	709.143,3522	709.141,4532	
N:		7.089.961,2556	7.089.961,1924	7.089.961,1921	7.089.961,0629	7.089.960,9296	7.089.960,9293	7.089.960,8669	

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
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Station: 44+10									
Dist. Eixo (m):		-5,923	-3,960	-3,950	0,000	4,050	4,060	5,978	
ota Camada 1 (m)				13,788	13,637	13,786			
ota Camada 6 (m)				13,748	13,597	13,746			
ota Camada 7 (m)				13,578	13,427	13,576			
Cota (m):		13,087	13,048	13,178	13,257	13,176	13,046	13,084	
E:		709.153,6715	709.151,7105	709.151,7005	709.147,7522	709.143,7048	709.143,6948	709.141,7776	
N:		7.089.951,2627	7.089.951,1983	7.089.951,1979	7.089.951,0683	7.089.950,9354	7.089.950,9351	7.089.950,8722	

Station: 45+0									
Dist. Eixo (m):		-5,962	-3,975	-3,965	0,000	4,035	4,045	5,980	
ota Camada 1 (m)				13,587	13,437	13,586			
ota Camada 6 (m)				13,547	13,397	13,546			
ota Camada 7 (m)				13,377	13,227	13,376			
Cota (m):		12,887	12,847	12,977	13,057	12,976	12,846	12,885	
E:		709.154,0394	709.152,0531	709.152,0431	709.148,0803	709.144,0474	709.144,0374	709.142,1034	
N:		7.089.941,2693	7.089.941,2041	7.089.941,2038	7.089.941,0737	7.089.940,9413	7.089.940,9410	7.089.940,8775	

Station: 45+10									
Dist. Eixo (m):		-5,915	-3,989	-3,979	0,000	4,021	4,031	5,982	
ota Camada 1 (m)				13,390	13,239	13,389			
ota Camada 6 (m)				13,350	13,199	13,349			
ota Camada 7 (m)				13,180	13,029	13,179			
Cota (m):		12,688	12,650	12,780	12,859	12,779	12,649	12,688	
E:		709.154,3201	709.152,3956	709.152,3856	709.148,4084	709.144,3899	709.144,3800	709.142,4300	
N:		7.089.931,2732	7.089.931,2100	7.089.931,2097	7.089.931,0791	7.089.930,9472	7.089.930,9468	7.089.930,8828	

Station: 46+0									
Dist. Eixo (m):		-5,959	-4,004	-3,994	0,000	4,006	4,016	6,034	
ota Camada 1 (m)				13,275	13,125	13,274			
ota Camada 6 (m)				13,235	13,085	13,234			
ota Camada 7 (m)				13,065	12,915	13,064			
Cota (m):		12,574	12,535	12,665	12,745	12,664	12,534	12,575	
E:		709.154,6926	709.152,7382	709.152,7282	709.148,7365	709.144,7325	709.144,7225	709.142,7059	
N:		7.089.921,2800	7.089.921,2158	7.089.921,2155	7.089.921,0845	7.089.920,9530	7.089.920,9527	7.089.920,8865	

Station: 46+2									
Dist. Eixo (m):		-5,980	-4,008	-3,998	0,000	4,002	4,012	5,202	5,479
ota Camada 1 (m)				13,263	13,113	13,263			
ota Camada 6 (m)				13,223	13,073	13,223			
ota Camada 7 (m)				13,053	12,903	13,053			
Cota (m):		12,562	12,523	12,653	12,733	12,653	12,523	12,547	13,022
E:		709.154,8056	709.152,8348	709.152,8248	709.148,8291	709.144,8291	709.144,8191	709.143,6298	709.143,3530
N:		7.089.918,4619	7.089.918,3972	7.089.918,3969	7.089.918,2657	7.089.918,1344	7.089.918,1340	7.089.918,0950	7.089.918,0859

Station: 46+10									
Dist. Eixo (m):		-5,955	-4,009	-3,999	0,000	4,163			
ota Camada 1 (m)				13,271	13,121	13,268			
ota Camada 6 (m)				13,231	13,081	13,228			
ota Camada 7 (m)				13,061	12,911	13,058			
Cota (m):		12,570	12,531	12,661	12,741	12,658			
E:		709.155,0744	709.153,1299	709.153,1199	709.149,1247	709.144,9655			
N:		7.089.911,3372	7.089.911,2571	7.089.911,2567	7.089.911,0921	7.089.910,9207			

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Station: 47+0										
Dist. Eixo (m):			-5,906	-4,010	-4,000	0,000		4,385		
Cota Camada 1 (m)					13,301	13,151		13,294		
Cota Camada 6 (m)					13,261	13,111		13,254		
Cota Camada 7 (m)					13,091	12,941		13,084		
Cota (m):			12,599	12,561	12,691	12,771		12,684		
E:			709.155,4377	709.153,5426	709.153,5326	709.149,5363		709.145,1547		
N:			7.089.901,3437	7.089.901,2656	7.089.901,2652	7.089.901,1006		7.089.900,9200		
Station: 47+1										
Dist. Eixo (m):			-5,896	-4,010	-4,000	0,000		4,429		
Cota Camada 1 (m)					13,307	13,157		13,299		
Cota Camada 6 (m)					13,267	13,117		13,259		
Cota Camada 7 (m)					13,097	12,947		13,089		
Cota (m):			12,605	12,567	12,697	12,777		12,689		
E:			709.155,5075	709.153,6229	709.153,6129	709.149,6164		709.145,1915		
N:			7.089.899,4008	7.089.899,3231	7.089.899,3227	7.089.899,1581		7.089.898,9757		
Station: 47+10										
Dist. Eixo (m):			-5,854	-4,006		0,000		4,145	6,077	
Cota (m):			12,563	12,526				12,523	12,562	
E:			709.155,7444	709.153,8977		709.149,8937		709.145,7516	709.143,8207	
N:			7.089.891,3085	7.089.891,2449		7.089.891,1070		7.089.890,9643	7.089.890,8978	
Station: 48+0										
Dist. Eixo (m):			-5,802	-4,002		0,000		4,118	6,059	
Cota (m):			12,535	12,499				12,497	12,535	
E:			709.156,0364	709.154,2375		709.150,2380		709.146,1221	709.144,1822	
N:			7.089.881,3126	7.089.881,2507		7.089.881,1129		7.089.880,9711	7.089.880,9043	
Station: 48+10										
Dist. Eixo (m):			-5,760	-3,997		0,000		4,095	6,049	
Cota (m):			12,528	12,493				12,491	12,530	
E:			709.156,3384	709.154,5772		709.150,5822		709.146,4899	709.144,5371	
N:			7.089.871,3171	7.089.871,2564		7.089.871,1188		7.089.870,9779	7.089.870,9106	
Station: 49+0										
Dist. Eixo (m):			-5,841	-4,000		0,000		4,099	6,047	
Cota (m):			12,502	12,465				12,463	12,502	
E:			709.156,7637	709.154,9240		709.150,9265		709.146,8304	709.144,8835	
N:			7.089.861,3258	7.089.861,2625		7.089.861,1248		7.089.860,9837	7.089.860,9166	
Station: 49+10										
Dist. Eixo (m):			-5,884	-4,021		0,000		4,102	6,096	
Cota (m):			12,467	12,430				12,428	12,468	
E:			709.157,1517	709.155,2890		709.151,2707		709.147,1709	709.145,1782	
N:			7.089.851,3333	7.089.851,2691		7.089.851,1307		7.089.850,9895	7.089.850,9208	
Station: 50+0										
Dist. Eixo (m):			-5,757	-4,041		0,000		4,069	6,097	
Cota (m):			12,403	12,368				12,368	12,408	
E:			709.157,3684	709.155,6540		709.151,6150		709.147,5487	709.145,5216	
N:			7.089.841,3348	7.089.841,2757		7.089.841,1366		7.089.840,9965	7.089.840,9267	
Station: 50+10										
Dist. Eixo (m):			-5,629	-4,062		0,000		4,071	6,041	
Cota (m):			12,340	12,308				12,308	12,347	
E:			709.157,5851	709.156,0190		709.151,9593		709.147,8912	709.145,9214	
N:			7.089.831,3363	7.089.831,2824		7.089.831,1425		7.089.831,0024	7.089.830,9346	
Station: 51+0										
Dist. Eixo (m):			-5,731	-4,071		0,000		4,121	6,004	
Cota (m):			12,308	12,275				12,274	12,312	
E:			709.158,0308	709.156,3719		709.152,3035		709.148,1848	709.146,3034	
N:			7.089.821,3458	7.089.821,2886		7.089.821,1485		7.089.821,0066	7.089.820,9418	
Desenho Esquemático:										
PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET	
Station: 51+10										
Dist. Eixo (m):		-5,840	-4,071		0,000		4,172	6,010		
Cota (m):		12,279	12,244				12,242	12,278		
E:		709.158,4843	709.156,7164		709.152,6478		709.148,4783	709.146,6415		
N:		7.089.811,3554	7.089.811,2945		7.089.811,1544		7.089.811,0108	7.089.810,9475		
Station: 52+0										
Dist. Eixo (m):		-5,907	-4,071		0,000		4,223	6,016		
Cota (m):		12,178	12,141				12,138	12,174		
E:		709.158,8960	709.157,0608		709.152,9921		709.148,7719	709.146,9796		
N:		7.089.801,3637	7.089.801,3005		7.089.801,1603		7.089.801,0150	7.089.800,9532		
Station: 52+10										
Dist. Eixo (m):			-4,071		0,000		4,181	6,040		
Cota (m):			12,030				12,028	12,065		
E:			709.157,4053		709.153,3363		709.149,1581	709.147,3003		
N:			7.089.791,3064		7.089.791,1663		7.089.791,0223	7.089.790,9583		
Station: 53+0										
Dist. Eixo (m):					0,000		4,104	6,065		
Cota (m):							11,932	11,972		
E:					709.153,6806		709.149,5789	709.147,6192		
N:					7.089.781,1722		7.089.781,0309	7.089.780,9634		
Station: 53+10										
Dist. Eixo (m):					0,000		4,028	6,090		
Cota (m):							11,877	11,918		
E:					709.154,0248		709.149,9997	709.147,9381		
N:					7.089.771,1781		7.089.771,0395	7.089.770,9684		
Station: 54+0										

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Dist. Eixo (m):		-6,058	-3,971		0,000		4,016	6,116		
Cota (m):		11,932	11,890				11,889	11,931		
E:		709.160,4232	709.158,3381		709.154,3691		709.150,3559	709.148,2570		
N:		7.089.761,3926	7.089.761,3208		7.089.761,1840		7.089.761,0458	7.089.760,9735		
Station: 54+10										
Dist. Eixo (m):		-5,945	-3,941		0,000		4,008	6,076		
Cota (m):		11,929	11,885				11,884	11,925		
E:		709.160,6546	709.158,6516		709.154,7134		709.150,7082	709.148,6408		
N:		7.089.751,3946	7.089.751,3256		7.089.751,1900		7.089.751,0520	7.089.750,9808		
Station: 55+0										
Dist. Eixo (m):		-5,878	-3,941		0,000		3,999	5,986		
Cota (m):		11,956	11,917				11,916	11,956		
E:		709.160,9320	709.158,9964		709.155,0576		709.151,0605	709.149,0751		
N:		7.089.741,3982	7.089.741,3316		7.089.741,1959		7.089.741,0582	7.089.740,9898		
Station: 55+10										
Dist. Eixo (m):		-5,873	-3,963		0,000		4,009	6,033		
Cota (m):		11,988	11,949				11,948	11,989		
E:		709.161,2719	709.159,3623		709.155,4019		709.151,3955	709.149,3725		
N:		7.089.731,4040	7.089.731,3382		7.089.731,2018		7.089.731,0638	7.089.730,9941		
Station: 56+0										
Dist. Eixo (m):		-5,773	-3,984		0,000		4,096	6,013		
Cota (m):		11,941	11,905				11,903	11,941		
E:		709.161,5161	709.159,7282		709.155,7461		709.151,6525	709.149,7371		
N:		7.089.721,4065	7.089.721,3449		7.089.721,2077		7.089.721,0667	7.089.721,0008		
Station: 58+0										
Dist. Eixo (m):		-5,848	-4,028		0,000		4,241	5,831		
Cota (m):		11,959	11,922				11,918	11,950		
E:		709.162,9673	709.161,1483		709.157,1232		709.152,8846	709.151,2958		
N:		7.089.681,4328	7.089.681,3701		7.089.681,2315		7.089.681,0855	7.089.681,0307		
Station: 58+10										
Dist. Eixo (m):		-5,849	-4,035		0,000		4,205	5,919		
Cota (m):		11,947	11,910				11,907	11,941		
E:		709.163,3130	709.161,5005		709.157,4675		709.153,2647	709.151,5522		
N:		7.089.671,4387	7.089.671,3763		7.089.671,2374		7.089.671,0926	7.089.671,0336		
Station: 59+0										
Dist. Eixo (m):		-5,837	-4,043		0,000		4,169	5,993		
Cota (m):		11,926	11,890				11,888	11,924		
E:		709.163,6452	709.161,8526		709.157,8117		709.153,6447	709.151,8226		
N:		7.089.661,4443	7.089.661,3825		7.089.661,2433		7.089.661,0998	7.089.661,0370		
Station: 59+10										
Dist. Eixo (m):		-5,757	-4,051		0,000		4,134	6,025		
Cota (m):		11,883	11,849				11,848	11,886		
E:		709.163,9096	709.162,2047		709.158,1560		709.154,0248	709.152,1349		
N:		7.089.651,4474	7.089.651,3867		7.089.651,2492		7.089.651,1069	7.089.651,0418		
Station: 60+0										
Dist. Eixo (m):		-5,626	-4,059		0,000		4,098	6,038		
Cota (m):		11,840	11,809				11,808	11,847		
E:		709.164,1232	709.162,5569		709.158,5002		709.154,4048	709.152,4658		
N:		7.089.641,4489	7.089.641,3949		7.089.641,2552		7.089.641,1141	7.089.641,0473		
Station: 60+10										
Dist. Eixo (m):					0,000		4,062	5,946		
Cota (m):							11,770	11,807		
E:					709.158,8445		709.154,7849	709.152,9019		
N:					7.089.631,2611		7.089.631,1213	7.089.631,0564		
Desenho Esquemático:										
PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET	
Station: 61+0										
Dist. Eixo (m):					0,000		4,026	5,854		
Cota (m):							11,753	11,790		
E:					709.159,1888		709.155,1649	709.153,3380		
N:					7.089.621,2670		7.089.621,1284	7.089.621,0655		
Station: 61+10										
Dist. Eixo (m):		-5,896	-4,083		0,000		3,990	5,681		
Cota (m):		11,774	11,738				11,740	11,774		
E:		709.165,4255	709.163,6133		709.159,5330		709.155,5450	709.153,8552		
N:		7.089.611,4759	7.089.611,4135		7.089.611,2729		7.089.611,1356	7.089.611,0774		
Station: 62+0										
Dist. Eixo (m):		-5,887	-4,131		0,000		3,955	5,599		
Cota (m):		11,735	11,700				11,703	11,736		
E:		709.165,7605	709.164,0055		709.159,8773		709.155,9250	709.154,2821		
N:		7.089.601,4815	7.089.601,4211		7.089.601,2789		7.089.601,1427	7.089.601,0861		
Station: 62+10										
Dist. Eixo (m):		-5,743	-4,170		0,000		3,919	5,728		
Cota (m):		11,697	11,666				11,671	11,707		
E:		709.165,9614	709.164,3888		709.160,2216		709.156,3051	709.154,4968		
N:		7.089.591,4825	7.089.591,4284		7.089.591,2848		7.089.591,1499	7.089.591,0876		
Station: 63+0										
Dist. Eixo (m):		-5,600	-4,164		0,000		3,883	5,975		
Cota (m):		11,650	11,621				11,627	11,669		
E:		709.166,1622	709.164,7274		709.160,5658		709.156,6851	709.154,5941		
N:		7.089.581,4835	7.089.581,4341		7.089.581,2907		7.089.581,1571	7.089.581,0850		
Station: 63+4										
Dist. Eixo (m):		-5,574	-4,161	-4,151	0,000	3,856	3,866	6,009		
Cota (m):		11,632	11,599	11,619	11,702	11,625	11,605	11,648		

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E:		709.166,3041	709.164,8916	709.164,8816	709.160,7334	709.156,8794	709.156,8694	709.154,7278		
N:		7.089.576,6167	7.089.576,5681	7.089.576,5677	7.089.576,4249	7.089.576,2921	7.089.576,2918	7.089.576,2180		
Station: 63+10										
Dist. Eixo (m):		-5,533	-4,099	-4,089	0,000	3,916	3,926	6,007		
ota Camada 1 (m)				11,992	12,074	11,995				
ota Camada 3 (m)				11,912	11,994	11,915				
ota Camada 6 (m)				11,872	11,954	11,875				
ota Camada 7 (m)				11,752	11,834	11,755				
Cota (m):		11,611	11,582	11,602	11,684	11,605	11,585	11,627		
E:		709.166,4401	709.165,0064	709.164,9964	709.160,9101	709.156,9968	709.156,9868	709.154,9067		
N:		7.089.571,4872	7.089.571,4378	7.089.571,4374	7.089.571,2967	7.089.571,1619	7.089.571,1615	7.089.571,0899		

Station: 63+17										
Dist. Eixo (m):		-5,595	-5,553	-4,010	-4,000	0,000	4,001	4,011	6,007	6,231
ota Camada 1 (m)					11,967	12,047	11,967			
ota Camada 3 (m)					11,887	11,967	11,887			
ota Camada 6 (m)					11,847	11,927	11,847			
ota Camada 7 (m)					11,727	11,807	11,727			
Cota (m):		12,076	11,588	11,557	11,577	11,657	11,577	11,557	11,597	11,989
E:		709.166,7548	709.166,7133	709.165,1707	709.165,1607	709.161,1631	709.157,1650	709.157,1550	709.155,1598	709.154,9359
N:		7.089.564,1434	7.089.564,1419	7.089.564,0888	7.089.564,0885	7.089.563,9508	7.089.563,8130	7.089.563,8127	7.089.563,7440	7.089.563,7363

Station: 64+0										
Dist. Eixo (m):					-4,406	0,000	4,050			
ota Camada 1 (m)					11,949	12,037	11,956			
ota Camada 3 (m)					11,869	11,957	11,876			
ota Camada 6 (m)					11,829	11,917	11,836			
ota Camada 7 (m)					11,709	11,797	11,716			
Cota (m):					11,559	11,647	11,566			
E:					709.165,6656	709.161,2630	709.157,2160			
N:					7.089.561,4690	7.089.561,3029	7.089.561,1502			

Station: 64+10										
Dist. Eixo (m):					-4,256	0,000	4,237			
ota Camada 1 (m)					11,915	12,001	11,916			
ota Camada 3 (m)					11,835	11,921	11,836			
ota Camada 6 (m)					11,795	11,881	11,796			
ota Camada 7 (m)					11,675	11,761	11,676			
Cota (m):					11,525	11,611	11,526			
E:					709.165,8932	709.161,6400	709.157,4064			
N:					7.089.551,4705	7.089.551,3100	7.089.551,1503			

Station: 65+0										
Dist. Eixo (m):					-4,069	0,000	4,423			
ota Camada 1 (m)					11,883	11,964	11,876			
ota Camada 3 (m)					11,803	11,884	11,796			
ota Camada 6 (m)					11,763	11,844	11,756			
ota Camada 7 (m)					11,643	11,724	11,636			
Cota (m):					11,493	11,574	11,486			
E:					709.166,0836	709.162,0170	709.157,5968			
N:					7.089.541,4705	7.089.541,3171	7.089.541,1504			

Desenho Esquemático:

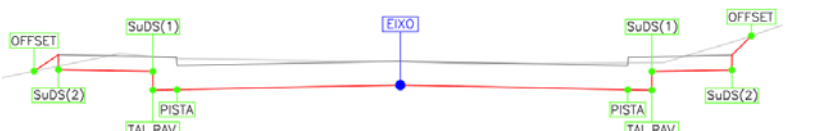


PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 65+4											
Dist. Eixo (m):	-6,652	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,999	6,512
ota Camada 1 (m)					11,868	11,948	11,868	4,398	4,398	5,999	6,512
ota Camada 3 (m)					11,788	11,868	11,788				
ota Camada 6 (m)					11,748	11,828	11,748				
ota Camada 7 (m)					11,628	11,708	11,628				
Cota (m):	11,623	11,798	11,766	11,470	11,478	11,558	11,478	11,470	11,766	11,798	11,716
E:	709.168,8297	709.168,1788	709.166,5778	709.166,5778	709.166,1800	709.162,1828	709.158,1855	709.157,7879	709.157,7879	709.156,1878	709.155,6755
N:	7.089.537,1751	7.089.537,1505	7.089.537,0901	7.089.537,0901	7.089.537,0751	7.089.536,9243	7.089.536,7735	7.089.536,7585	7.089.536,7585	7.089.536,6982	7.089.536,6788

Station: 65+10											
Dist. Eixo (m):	-6,574	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,014	6,473
ota Camada 1 (m)					11,847	11,927	11,847				
ota Camada 3 (m)					11,767	11,847	11,767				
ota Camada 6 (m)					11,727	11,807	11,727				
ota Camada 7 (m)					11,607	11,687	11,607				
Cota (m):	11,655	11,777	11,745	11,449	11,457	11,537	11,457	11,449	11,746	11,778	11,731
E:	709.168,9343	709.168,3610	709.166,7598	709.166,7598	709.166,3618	709.162,3639	709.158,3660	709.157,9683	709.157,9683	709.156,3532	709.155,8944
N:	7.089.531,5357	7.089.531,5172	7.089.531,4654	7.089.531,4654	7.089.531,4525	7.089.531,3232	7.089.531,1939	7.089.531,1810	7.089.531,1810	7.089.531,1288	7.089.531,1139

Station: 66+0											
Dist. Eixo (m):	-6,573	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,039	
ota Camada 1 (m)					11,811	11,891	11,811				
ota Camada 3 (m)					11,731	11,811	11,731				
ota Camada 6 (m)					11,691	11,771	11,691				
ota Camada 7 (m)					11,571	11,651	11,571				
Cota (m):	11,619	11,741	11,709	11,413	11,421	11,501	11,421	11,413	11,708	11,741	
E:	709.169,2570	709.168,6843	709.167,0831	709.167,0831	709.166,6851	709.162,6872	709.158,6893	709.158,2916	709.158,2916	709.156,6517	
N:	7.089.521,5409	7.089.521,5224	7.089.521,4706	7.089.521,4706	7.089.521,4577	7.089.521,3284	7.089.521,1991	7.089.521,1862	7.089.521,1862	7.089.521,1332	

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 66+10											
Dist. Eixo (m):	-6,561	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,040	
ota Camada 1 (m)					11,774	11,854	11,774				

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ota Camada 3 (m)					11,694	11,774	11,694				
ota Camada 6 (m)					11,654	11,734	11,654				
ota Camada 7 (m)					11,534	11,614	11,534				
Cota (m):	11,590	11,704	11,672	11,376	11,384	11,464	11,384	11,376	11,672	11,705	
E:	709.169,5683	709.169,0076	709.167,4064	709.167,4064	709.167,0084	709.163,0105	709.159,0126	709.158,6148	709.158,6148	709.156,9737	
N:	7.089.511,5457	7.089.511,5276	7.089.511,4758	7.089.511,4758	7.089.511,4629	7.089.511,3336	7.089.511,2043	7.089.511,1914	7.089.511,1914	7.089.511,1384	
Station: 67+0											
Dist. Eixo (m):	-6,510	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,947	
ota Camada 1 (m)					11,738	11,818	11,738				
ota Camada 3 (m)					11,658	11,738	11,658				
ota Camada 6 (m)					11,618	11,698	11,618				
ota Camada 7 (m)					11,498	11,578	11,498				
Cota (m):	11,588	11,668	11,636	11,340	11,348	11,428	11,348	11,340	11,636	11,667	
E:	709.169,8404	709.169,3309	709.167,7297	709.167,7297	709.167,3317	709.163,3338	709.159,3359	709.158,9381	709.158,9381	709.157,3904	
N:	7.089.501,5493	7.089.501,5328	7.089.501,4810	7.089.501,4810	7.089.501,4682	7.089.501,3389	7.089.501,2095	7.089.501,1967	7.089.501,1967	7.089.501,1466	
Station: 67+10											
Dist. Eixo (m):	-6,561	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,940	
ota Camada 1 (m)					11,701	11,781	11,701				
ota Camada 3 (m)					11,621	11,701	11,621				
ota Camada 6 (m)					11,581	11,661	11,581				
ota Camada 7 (m)					11,461	11,541	11,461				
Cota (m):	11,517	11,631	11,599	11,303	11,311	11,391	11,311	11,303	11,599	11,630	
E:	709.170,2146	709.169,6542	709.168,0530	709.168,0530	709.167,6550	709.163,6571	709.159,6592	709.159,2614	709.159,2614	709.157,7202	
N:	7.089.491,5562	7.089.491,5381	7.089.491,4863	7.089.491,4863	7.089.491,4734	7.089.491,3441	7.089.491,2148	7.089.491,2019	7.089.491,2019	7.089.491,1520	
Station: 68+0											
Dist. Eixo (m):					-4,042	0,000	4,000	4,398	4,398	5,948	
ota Camada 1 (m)					11,664	11,745	11,665				
ota Camada 3 (m)					11,584	11,665	11,585				
ota Camada 6 (m)					11,544	11,625	11,545				
ota Camada 7 (m)					11,424	11,505	11,425				
Cota (m):					11,274	11,355	11,275	11,267	11,562	11,593	
E:					709.168,0203	709.163,9804	709.159,9825	709.159,5847	709.159,5847	709.158,0359	
N:					7.089.481,4800	7.089.481,3493	7.089.481,2200	7.089.481,2071	7.089.481,2071	7.089.481,1570	
Station: 68+10											
Dist. Eixo (m):					-4,019	0,000	4,000	4,398	4,398	5,955	
ota Camada 1 (m)					11,628	11,708	11,628				
ota Camada 3 (m)					11,548	11,628	11,548				
ota Camada 6 (m)					11,508	11,588	11,508				
ota Camada 7 (m)					11,388	11,468	11,388				
Cota (m):					11,238	11,318	11,238	11,230	11,526	11,557	
E:					709.168,3208	709.164,3037	709.160,3058	709.159,9080	709.159,9080	709.158,3516	
N:					7.089.471,4845	7.089.471,3545	7.089.471,2252	7.089.471,2124	7.089.471,2124	7.089.471,1620	
Station: 68+18											
Dist. Eixo (m):	-6,588	-6,000	-4,908	-4,908	-4,000	0,000	4,000	4,908	4,908	5,962	
ota Camada 1 (m)					11,097	11,177	11,097				
ota Camada 3 (m)					11,017	11,097	11,017				
ota Camada 6 (m)					10,977	11,057	10,977				
ota Camada 7 (m)					10,857	10,937	10,857				
Cota (m):	11,395	11,527	11,505	10,689	10,707	10,787	10,707	10,689	11,505	11,526	
E:	709.171,1606	709.170,5729	709.169,4816	709.169,4816	709.168,5737	709.164,5758	709.160,5779	709.159,6702	709.159,6702	709.158,6174	
N:	7.089.463,1540	7.089.463,1350	7.089.463,0997	7.089.463,0997	7.089.463,0703	7.089.462,9410	7.089.462,8117	7.089.462,7823	7.089.462,7823	7.089.462,7482	
Station: 68+19											
Dist. Eixo (m):	-6,366	-6,000	-4,908	-4,908	-4,000	0,000	4,000	4,908	4,908	5,259	
ota Camada 1 (m)					11,594	11,674	11,594				
ota Camada 3 (m)					11,514	11,594	11,514				
ota Camada 6 (m)					11,474	11,554	11,474				
ota Camada 7 (m)					11,354	11,434	11,354				
ota Camada 8 (m)					11,204	11,284	11,204				
Cota (m):	11,539	11,523	11,501	10,686	10,704	10,784	10,704	10,685	11,501	11,508	
E:	709.171,9723	709.170,6070	709.169,5157	709.169,5157	709.168,6078	709.164,6099	709.160,6120	709.159,7043	709.159,7043	709.159,3536	
N:	7.089.462,0922	7.089.462,0804	7.089.462,0451	7.089.462,0451	7.089.462,0157	7.089.461,8864	7.089.461,7571	7.089.461,7277	7.089.461,7277	7.089.461,7164	
Station: 69+10											
Dist. Eixo (m):	-6,452	-6,000	-4,908	-4,908	-4,000	0,000	4,000	4,908	4,908	5,970	
ota Camada 1 (m)					11,555	11,635	11,555				
ota Camada 3 (m)					11,475	11,555	11,475				
ota Camada 6 (m)					11,435	11,515	11,435				
ota Camada 7 (m)					11,315	11,395	11,315				
ota Camada 8 (m)					11,165	11,245	11,165				
Cota (m):	11,444	11,485	11,463	10,647	10,665	10,745	10,665	10,647	11,463	11,484	
E:	709.171,3986	709.170,9473	709.169,8561	709.169,8561	709.168,9482	709.164,9503	709.160,9523	709.160,0447	709.160,0447	709.158,9830	
N:	7.089.451,5736	7.089.451,5590	7.089.451,5237	7.089.451,5237	7.089.451,4943	7.089.451,3650	7.089.451,2357	7.089.451,2063	7.089.451,2063	7.089.451,1720	
Station: 70+0											
Dist. Eixo (m):	-6,465	-6,000	-4,908	-4,908	-4,000	0,000	4,000	4,908	4,908	5,978	
ota Camada 1 (m)					11,518	11,598	11,518				
ota Camada 3 (m)					11,438	11,518	11,438				
ota Camada 6 (m)					11,398	11,478	11,398				
ota Camada 7 (m)					11,278	11,358	11,278				
ota Camada 8 (m)					11,128	11,208	11,128				
Cota (m):	11,398	11,448	11,426	10,610	10,628	10,708	10,628	10,610	11,427	11,448	
E:	709.171,7349	709.171,2706	709.170,1793	709.170,1793	709.169,2715	709.165,2736	709.161,2756	709.160,3680	709.160,3680	709.159,2987	
N:	7.089.441,5792	7.089.441,5642	7.089.441,5289	7.089.441,5289	7.089.441,4995	7.089.441,3702	7.089.441,2409	7.089.441,2115	7.089.441,2115	7.089.441,1770	
Station: 70+10											
Dist. Eixo (m):	-6,408	-6,000	-4,908	-4,908	-4,000	0,000	4,000	4,908	4,908	5,986	
ota Camada 1 (m)					11,482	11,562	11,482				
ota Camada 3 (m)					11,402	11,482	11,402				
ota Camada 6 (m)					11,362	11,442	11,362				
ota Camada 7 (m)					11,242	11,322	11,242				
ota Camada 8 (m)					11,092	11,172	11,092				
Cota (m):	11,400	11,412	11,390	10,574	10,592	10,672	10,592	10,574	11,389	11,411	
E:	709.172,0013	709.171,5939	709.170,5026	709.170,5026	709.169,5948	709.165,5968	709.161,5989	709.160,6912	709.160,6912	709.159,6144	
N:	7.089.431,5826	7.089.431,5694	7.089.431,5341	7.089.431,5341	7.089.431,5048	7.089.431,3754	7.089.431,2461	7.089.431,2168	7.089.431,2168	7.089.431,1819	
Station: 71+0											
Dist. Eixo (m):	-6,551	-6,000	-4,908	-4,908	-4,000	0,000	4,000	4,908	4,908	5,993	
ota Camada 1 (m)					11,445	11,525	11,445				
ota Camada 3 (m)					11,365	11,445	11,365				
ota Camada 6 (m)					11,325	11,405	11,325				

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ota Camada 7 (m)					11,205	11,285	11,205				
ota Camada 8 (m)					11,055	11,135	11,055				
Cota (m):	11,268	11,375	11,353	10,537	10,555	10,635	10,555	10,537	11,353	11,375	
E:	709.172,4675	709.171,9172	709.170,8259	709.170,8259	709.169,9180	709.165,9201	709.161,9222	709.161,0145	709.161,0145	709.159,9301	
N:	7.089.421,5925	7.089.421,5747	7.089.421,5394	7.089.421,5394	7.089.421,5100	7.089.421,3807	7.089.421,2514	7.089.421,2220	7.089.421,2220	7.089.421,1869	

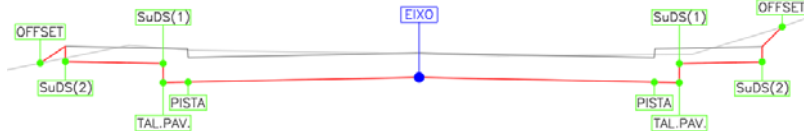
Station: 71+9											
Dist. Eixo (m):	-6,878	-6,000	-4,908	-4,908	-4,000	0,000	4,000	4,908	4,908	5,998	6,508
ota Camada 1 (m)					11,412	11,492	11,412				
ota Camada 3 (m)					11,332	11,412	11,332				
ota Camada 6 (m)					11,292	11,372	11,292				
ota Camada 7 (m)					11,172	11,252	11,172				
ota Camada 8 (m)					11,022	11,102	11,022				
Cota (m):	11,017	11,342	11,320	10,504	10,522	10,602	10,522	10,504	11,320	11,342	11,262
E:	709.173,0866	709.172,2092	709.171,1179	709.171,1179	709.170,2100	709.166,2121	709.162,2142	709.161,3065	709.161,3065	709.160,2175	709.159,7080
N:	7.089.412,5761	7.089.412,5477	7.089.412,5124	7.089.412,5124	7.089.412,4830	7.089.412,3537	7.089.412,2244	7.089.412,1950	7.089.412,1950	7.089.412,1598	7.089.412,1433

Station: 71+10											
Dist. Eixo (m):					-4,031	0,000	4,008				
ota Camada 1 (m)					11,408	11,489	11,409				
ota Camada 3 (m)					11,328	11,409	11,329				
ota Camada 6 (m)					11,288	11,369	11,289				
ota Camada 7 (m)					11,168	11,249	11,169				
ota Camada 8 (m)					11,018	11,099	11,019				
Cota (m):					10,518	10,599	10,519				
E:					709.170,2772	709.166,2495	709.162,2441				
N:					7.089.411,5417	7.089.411,3861	7.089.411,2314				

Station: 72+0											
Dist. Eixo (m):					-4,141	0,000	4,093				
ota Camada 1 (m)					11,369	11,452	11,370				
ota Camada 3 (m)					11,289	11,372	11,290				
ota Camada 6 (m)					11,249	11,332	11,250				
ota Camada 7 (m)					11,129	11,212	11,130				
ota Camada 8 (m)					10,979	11,062	10,980				
Cota (m):					10,479	10,562	10,480				
E:					709.170,7736	709.166,6354	709.162,5452				
N:					7.089.401,5534	7.089.401,3936	7.089.401,2356				

Station: 72+10											
Dist. Eixo (m):					-4,056	0,000	4,178				
ota Camada 1 (m)					11,335	11,416	11,332				
ota Camada 3 (m)					11,255	11,336	11,252				
ota Camada 6 (m)					11,215	11,296	11,212				
ota Camada 7 (m)					11,095	11,176	11,092				
ota Camada 8 (m)					10,945	11,026	10,942				
Cota (m):					10,445	10,526	10,442				
E:					709.171,0747	709.167,0214	709.162,8463				
N:					7.089.391,5576	7.089.391,4010	7.089.391,2398				

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 73+0											
Dist. Eixo (m):	-6,538	-6,025	-4,933	-4,933	-4,024	0,000	3,976	4,884	4,884	5,976	6,500
ota Camada 1 (m)					11,299	11,379	11,300				
ota Camada 3 (m)					11,219	11,299	11,220				
ota Camada 6 (m)					11,179	11,259	11,180				
ota Camada 7 (m)					11,059	11,139	11,060				
ota Camada 8 (m)					10,909	10,989	10,910				
Cota (m):	11,146	10,729	10,707	10,391	10,409	10,489	10,410	10,391	10,707	10,729	11,140
E:	709.173,9403	709.173,4274	709.172,3364	709.172,3364	709.171,4287	709.167,4073	709.163,4347	709.162,5272	709.162,5272	709.161,4362	709.160,9120
N:	7.089.381,6608	7.089.381,6410	7.089.381,5988	7.089.381,5988	7.089.381,5638	7.089.381,4085	7.089.381,2550	7.089.381,2200	7.089.381,2200	7.089.381,1778	7.089.381,1576

Station: 73+10											
Dist. Eixo (m):	-6,306	-6,019	-4,927	-4,927	-4,018	0,000	3,982	4,890	4,890	5,982	6,355
ota Camada 1 (m)					11,262	11,343	11,263				
ota Camada 3 (m)					11,182	11,263	11,183				
ota Camada 6 (m)					11,142	11,223	11,143				
ota Camada 7 (m)					11,022	11,103	11,023				
ota Camada 8 (m)					10,872	10,953	10,873				
Cota (m):	11,260	10,692	10,670	10,354	10,372	10,453	10,373	10,355	10,671	10,693	11,204
E:	709.174,0950	709.173,8074	709.172,7164	709.172,7164	709.171,8087	709.167,7932	709.163,8147	709.162,9072	709.162,9072	709.161,8161	709.161,4434
N:	7.089.371,6593	7.089.371,6482	7.089.371,6061	7.089.371,6061	7.089.371,5710	7.089.371,4159	7.089.371,2623	7.089.371,2272	7.089.371,2272	7.089.371,1851	7.089.371,1707






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Relatório de auditoria final

2021-11-10

Criado em:	2021-11-10
Por:	Sirleide Dias (sirleide@engecorps.com.br)
Status:	Assinado
ID da transação:	CBJCHBCAABAAwEjdd8VHfNlxcxJS3q8JbShR07LRmaD

Histórico de "1439DGLR0015-04-Vol 03_Tomo III_Etapa 01_Parte 01"

-  Documento criado por Sirleide Dias (sirleide@engecorps.com.br)
2021-11-10 - 13:49:51 GMT- Endereço IP: 131.72.63.141
-  Documento enviado por email para Maria Bernardete Sousa Sender (bernadete@engecorps.com.br) para assinatura
2021-11-10 - 13:51:56 GMT
-  Email visualizado por Maria Bernardete Sousa Sender (bernadete@engecorps.com.br)
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-  Documento assinado eletronicamente por Maria Bernardete Sousa Sender (bernadete@engecorps.com.br)
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-  Contrato finalizado.
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Station: 74+0										
Dist. Eixo (m):	-6,236	-6,013	-4,921	-4,921	-4,012	0,000	3,988	4,896	4,896	5,988
ota Camada 1 (m)					11,226	11,306	11,226			
ota Camada 3 (m)					11,146	11,226	11,146			
ota Camada 6 (m)					11,106	11,186	11,106			
ota Camada 7 (m)					10,986	11,066	10,986			
ota Camada 8 (m)					10,836	10,916	10,836			
Cota (m):	11,267	10,656	10,634	10,318	10,336	10,416	10,336	10,318	10,634	10,656
E:	709.174,4107	709.174,1874	709.173,0964	709.173,0964	709.172,1887	709.168,1792	709.164,1946	709.163,2871	709.163,2871	709.162,1961
N:	7.089.361,6640	7.089.361,6554	7.089.361,6133	7.089.361,6133	7.089.361,5782	7.089.361,4234	7.089.361,2695	7.089.361,2344	7.089.361,2344	7.089.361,1923
Station: 74+10										
Dist. Eixo (m):	-6,216	-6,007	-4,915	-4,915	-4,006	0,000	3,994	4,902	4,902	5,994
ota Camada 1 (m)					11,189	11,270	11,190			6,233
ota Camada 3 (m)					11,109	11,190	11,110			
ota Camada 6 (m)					11,069	11,150	11,070			
ota Camada 7 (m)					10,949	11,030	10,950			
ota Camada 8 (m)					10,799	10,880	10,800			
Cota (m):	11,239	10,619	10,597	10,281	10,299	10,380	10,300	10,281	10,597	10,619
E:	709.174,7768	709.174,5673	709.173,4763	709.173,4763	709.172,5686	709.168,5651	709.164,5746	709.163,6671	709.163,6671	709.162,5761
N:	7.089.351,6707	7.089.351,6626	7.089.351,6205	7.089.351,6205	7.089.351,5854	7.089.351,4308	7.089.351,2767	7.089.351,2416	7.089.351,2416	7.089.351,1995
Station: 75+0										
Dist. Eixo (m):	-6,221	-6,001	-4,909	-4,909	-4,001	0,000	3,999	4,908	4,908	5,999
ota Camada 1 (m)					11,153	11,233	11,153			6,326
ota Camada 3 (m)					11,073	11,153	11,073			
ota Camada 6 (m)					11,033	11,113	11,033			
ota Camada 7 (m)					10,913	10,993	10,913			
ota Camada 8 (m)					10,763	10,843	10,763			
Cota (m):	11,196	10,583	10,561	10,245	10,263	10,343	10,263	10,245	10,561	10,583
E:	709.175,1673	709.174,9473	709.173,8563	709.173,8563	709.172,9486	709.168,9511	709.164,9546	709.164,0471	709.164,0471	709.162,9560
N:	7.089.341,6784	7.089.341,6699	7.089.341,6277	7.089.341,6277	7.089.341,5927	7.089.341,4383	7.089.341,2839	7.089.341,2489	7.089.341,2489	7.089.341,2067
Station: 75+10										
Dist. Eixo (m):					-4,168	0,000	4,000	4,010	4,010	6,000
ota Camada 1 (m)					11,113	11,196	11,116			6,137
ota Camada 3 (m)					11,033	11,116	11,036			
ota Camada 6 (m)					10,993	11,076	10,996			
ota Camada 7 (m)					10,873	10,956	10,876			
ota Camada 8 (m)					10,723	10,806	10,726			
Cota (m):					10,223	10,306	10,226	10,506	10,506	10,546
E:					709.173,4964	709.169,3315	709.165,3344	709.165,3244	709.165,3244	709.163,3359
N:					7.089.331,6039	7.089.331,4455	7.089.331,2935	7.089.331,2931	7.089.331,2931	7.089.331,2175
Station: 76+0										
Dist. Eixo (m):					-4,086	0,000	4,000	4,010	4,010	6,001
ota Camada 1 (m)					11,078	11,160	11,080			
ota Camada 3 (m)					10,998	11,080	11,000			
ota Camada 6 (m)					10,958	11,040	10,960			
ota Camada 7 (m)					10,838	10,920	10,840			
ota Camada 8 (m)					10,688	10,770	10,690			
Cota (m):					10,188	10,270	10,190	10,470	10,470	10,510
E:					709.173,7943	709.169,7115	709.165,7144	709.165,7044	709.165,7044	709.163,7152
N:					7.089.321,6080	7.089.321,4527	7.089.321,3007	7.089.321,3004	7.089.321,3004	7.089.321,2247
Station: 76+10										
Dist. Eixo (m):					-4,004	0,000	4,000	4,010	4,010	6,003
ota Camada 1 (m)					11,043	11,123	11,043			6,235
ota Camada 3 (m)					10,963	11,043	10,963			
ota Camada 6 (m)					10,923	11,003	10,923			
ota Camada 7 (m)					10,803	10,883	10,803			
ota Camada 8 (m)					10,653	10,733	10,653			
Cota (m):					10,153	10,233	10,153	10,433	10,433	10,473
E:					709.174,0921	709.170,0915	709.166,0944	709.166,0844	709.166,0844	709.164,0925
N:					7.089.311,6121	7.089.311,4600	7.089.311,3080	7.089.311,3076	7.089.311,3076	7.089.311,2318
Station: 77+0										
Dist. Eixo (m):	-6,097	-6,000	-4,908	-4,908	-4,000	0,000	4,000	4,908	4,908	6,006
ota Camada 1 (m)					11,010	11,090	11,010			6,255
ota Camada 3 (m)					10,930	11,010	10,930			
ota Camada 6 (m)					10,890	10,970	10,890			
ota Camada 7 (m)					10,770	10,850	10,770			
ota Camada 8 (m)					10,620	10,700	10,620			
Cota (m):	11,135	10,440	10,418	10,102	10,120	10,200	10,120	10,102	10,418	10,440
E:	709.176,8539	709.176,4673	709.175,3763	709.175,3763	709.174,4686	709.170,4714	709.166,4743	709.165,5668	709.165,5668	709.164,4697
N:	7.089.301,6988	7.089.301,6952	7.089.301,6537	7.089.301,6537	7.089.301,6192	7.089.301,4672	7.089.301,3152	7.089.301,2807	7.089.301,2807	7.089.301,2290
Station: 77+10										
Dist. Eixo (m):	-6,007	-6,000	-4,908	-4,908	-4,000	0,000	4,000	4,908	4,908	6,009
ota Camada 1 (m)					10,998	11,078	10,998			6,270
ota Camada 3 (m)					10,918	10,998	10,918			
ota Camada 6 (m)					10,878	10,958	10,878			
ota Camada 7 (m)					10,758	10,838	10,758			
ota Camada 8 (m)					10,608	10,688	10,608			
Cota (m):	11,183	10,428	10,406	10,090	10,108	10,188	10,108	10,090	10,406	10,428
E:	709.177,3578	709.177,2272	709.176,1362	709.176,1362	709.175,2285	709.171,2314	709.167,2343	709.166,3268	709.166,3268	709.165,2242
N:	7.089.291,7026	7.089.291,7024	7.089.291,6609	7.089.291,6609	7.089.291,6264	7.089.291,4744	7.089.291,3224	7.089.291,2879	7.089.291,2879	7.089.291,2461
Station: 78+0										
Dist. Eixo (m):	-6,131	-6,000	-4,908	-4,908	-4,000	0,000	4,000	4,908	4,908	6,011
ota Camada 1 (m)					11,005	11,085	11,005			6,333
ota Camada 3 (m)					10,925	11,005	10,925			
ota Camada 6 (m)					10,885	10,965	10,885			
ota Camada 7 (m)					10,765	10,845	10,765			
ota Camada 8 (m)					10,615	10,695	10,615			
Cota (m):	11,108	10,435	10,413	10,097	10,115	10,195	10,115	10,097	10,413	10,435
E:	709.177,3578	709.177,2272	709.176,1362	709.176,1362	709.175,2285	709.171,2314	709.167,2343	709.166,3268	709.166,3268	709.165,2242
N:	7.089.281,7146	7.089.281,7096	7.089.281,6681	7.089.281,6681	7.089.281,6336	7.089.281,4816	7.089.281,3296	7.089.281,2951	7.089.281,2951	7.089.281,2532

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Station: 78+10											
Dist. Eixo (m):	-6,236	-6,000	-4,908	-4,908	-4,000	0,000	4,000	4,908	4,908	6,014	6,393
ota Camada 1 (m)					11,015	11,095	11,015				
ota Camada 3 (m)					10,935	11,015	10,935				
ota Camada 6 (m)					10,895	10,975	10,895				
ota Camada 7 (m)					10,775	10,855	10,775				
ota Camada 8 (m)					10,625	10,705	10,625				
Cota (m):	11,048	10,445	10,423	10,107	10,125	10,205	10,125	10,107	10,423	10,445	10,953
E:	709.177,8427	709.177,6072	709.176,5162	709.176,5162	709.175,6085	709.171,6113	709.167,6142	709.166,7067	709.166,7067	709.165,6015	709.165,2232
N:	7.089.271,7258	7.089.271,7168	7.089.271,6753	7.089.271,6753	7.089.271,6408	7.089.271,4888	7.089.271,3368	7.089.271,3023	7.089.271,3023	7.089.271,2603	7.089.271,2459

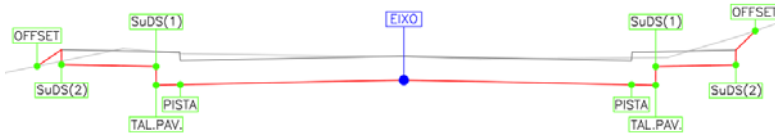
Station: 79+0											
Dist. Eixo (m):	-6,306	-6,000	-4,908	-4,908	-4,000	0,000	4,000	4,908	4,908	6,017	6,436
ota Camada 1 (m)					11,025	11,105	11,025				
ota Camada 3 (m)					10,945	11,025	10,945				
ota Camada 6 (m)					10,905	10,985	10,905				
ota Camada 7 (m)					10,785	10,865	10,785				
ota Camada 8 (m)					10,635	10,715	10,635				
Cota (m):	11,011	10,455	10,433	10,117	10,135	10,215	10,135	10,117	10,433	10,455	10,936
E:	709.178,2926	709.177,6072	709.176,8961	709.176,8961	709.175,9884	709.171,9913	709.167,9942	709.167,0867	709.166,7067	709.165,9787	709.165,5600
N:	7.089.261,7357	7.089.261,7240	7.089.261,6826	7.089.261,6826	7.089.261,6480	7.089.261,4961	7.089.261,3441	7.089.261,3096	7.089.261,3096	7.089.261,2674	7.089.261,2515

Station: 79+10											
Dist. Eixo (m):	-6,366	-6,000	-4,908	-4,908	-4,000	0,000	4,000	4,908	4,908	6,020	6,443
ota Camada 1 (m)					11,035	11,115	11,035				
ota Camada 3 (m)					10,955	11,035	10,955				
ota Camada 6 (m)					10,915	10,995	10,915				
ota Camada 7 (m)					10,795	10,875	10,795				
ota Camada 8 (m)					10,645	10,725	10,645				
Cota (m):	10,981	10,465	10,443	10,127	10,145	10,225	10,145	10,127	10,443	10,465	10,943
E:	709.178,7327	709.178,3671	709.177,2761	709.177,2761	709.176,3684	709.172,3713	709.168,3742	709.167,4667	709.167,0867	709.166,3560	709.165,9328
N:	7.089.251,7452	7.089.251,7313	7.089.251,6898	7.089.251,6898	7.089.251,6553	7.089.251,5033	7.089.251,3513	7.089.251,3168	7.089.251,3168	7.089.251,2746	7.089.251,2585

Station: 80+0											
Dist. Eixo (m):	-6,406	-6,000	-4,908	-4,908	-4,000	0,000	4,000	4,908	4,908	6,022	6,391
ota Camada 1 (m)					11,045	11,125	11,045				
ota Camada 3 (m)					10,965	11,045	10,965				
ota Camada 6 (m)					10,925	11,005	10,925				
ota Camada 7 (m)					10,805	10,885	10,805				
ota Camada 8 (m)					10,655	10,735	10,655				
Cota (m):	10,964	10,475	10,453	10,137	10,155	10,235	10,155	10,136	10,453	10,475	10,989
E:	709.179,1525	709.178,7471	709.177,6561	709.177,6561	709.176,7483	709.172,7512	709.168,7541	709.167,8466	709.167,4666	709.166,7332	709.166,3649
N:	7.089.241,7539	7.089.241,7385	7.089.241,6970	7.089.241,6970	7.089.241,6625	7.089.241,5105	7.089.241,3585	7.089.241,3240	7.089.241,3240	7.089.241,2817	7.089.241,2677

Station: 80+10											
Dist. Eixo (m):	-9,806	-9,348	-6,890	-6,890	-5,982	0,000	6,141	7,049	7,049	9,596	9,797
ota Camada 1 (m)					11,082	11,134	11,100				
ota Camada 3 (m)					11,002	11,054	11,020				
ota Camada 6 (m)					10,962	11,014	10,980				
ota Camada 7 (m)					10,842	10,894	10,860				
ota Camada 8 (m)					10,692	10,744	10,710				
Cota (m):	10,994	10,539	10,490	10,174	10,192	10,244	10,210	10,192	10,508	10,559	11,185
E:	709.182,9301	709.182,4726	709.180,0165	709.180,0165	709.179,1088	709.173,1312	709.166,9944	709.166,0869	709.166,0869	709.163,5426	709.163,3408
N:	7.089.231,8903	7.089.231,8729	7.089.231,7795	7.089.231,7795	7.089.231,7450	7.089.231,5177	7.089.231,2844	7.089.231,2499	7.089.231,2499	7.089.231,1531	7.089.231,1455

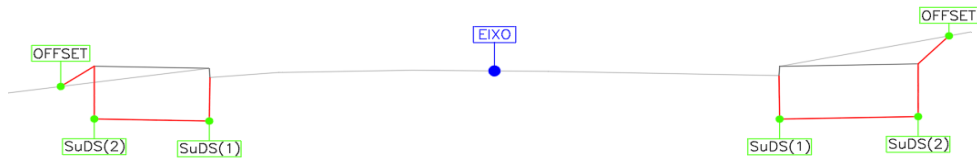
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 80+12											
Dist. Eixo (m):		-14,758	-11,120	-11,120	-10,212	0,000	11,357	12,265			
ota Camada 1 (m)					11,111	11,137	11,151				
ota Camada 3 (m)					11,031	11,057	11,071				
ota Camada 6 (m)					10,991	11,017	11,031				
ota Camada 7 (m)					10,871	10,897	10,911				
ota Camada 8 (m)					10,721	10,747	10,761				
Cota (m):		10,591	10,518	10,203	10,221	10,247	10,261	10,243			
E:		709.187,9746	709.184,3396	709.184,3396	709.183,4319	709.173,2272	709.161,8784	709.160,9709			
N:		7.089.229,5536	7.089.229,4154	7.089.229,4154	7.089.229,3809	7.089.228,9929	7.089.228,5613	7.089.228,5268			

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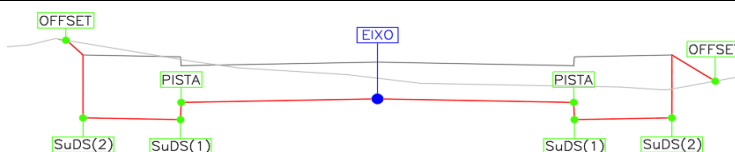
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Station: 0+10							
Dist. Eixo (m):		-6,080	-4,001	0,000	3,966	5,996	
Cota (m):		12,419	12,377		12,378	12,419	
E:		709.462,1938	709.462,2652	709.462,4027	709.462,5390	709.462,6087	
N:		7.090.643,8080	7.090.641,7305	7.090.637,7319	7.090.633,7685	7.090.631,7394	
Station: 1+0							
Dist. Eixo (m):		-6,080	-4,046	0,000	3,967	5,982	
Cota (m):		12,367	12,326		12,327	12,368	
E:		709.472,1879	709.472,2577	709.472,3968	709.472,5331	709.472,6024	
N:		7.090.644,1519	7.090.642,1194	7.090.638,0756	7.090.634,1106	7.090.632,0968	
Station: 1+10							
Dist. Eixo (m):		-6,069	-4,063	0,000	3,967	5,969	
Cota (m):		12,305	12,265		12,267	12,307	
E:		709.482,1823	709.482,2513	709.482,3909	709.482,5272	709.482,5960	
N:		7.090.644,4845	7.090.642,4793	7.090.638,4192	7.090.634,4549	7.090.632,4542	
Station: 2+0							
Dist. Eixo (m):		-6,058	-4,060	0,000	3,966	5,955	
Cota (m):		12,221	12,181		12,183	12,223	
E:		709.492,1768	709.492,2455	709.492,3850	709.492,5213	709.492,5896	
N:		7.090.644,8170	7.090.642,8202	7.090.638,7628	7.090.634,7993	7.090.632,8116	
Station: 2+10							
Dist. Eixo (m):		-6,047	-4,054	0,000	3,965	5,941	
Cota (m):		12,138	12,098		12,100	12,139	
E:		709.502,1713	709.502,2398	709.502,3791	709.502,5153	709.502,5832	
N:		7.090.645,1496	7.090.643,1578	7.090.639,1065	7.090.635,1438	7.090.633,1690	
Station: 3+0							
Dist. Eixo (m):		-6,036	-4,043	0,000	3,964	5,942	
Cota (m):		12,082	12,042		12,044	12,083	
E:		709.512,1658	709.512,2342	709.512,3732	709.512,5094	709.512,5774	
N:		7.090.645,4822	7.090.643,4907	7.090.639,4501	7.090.635,4885	7.090.633,5114	
Station: 3+10							
Dist. Eixo (m):		-6,025	-4,032	0,000	3,963	5,949	
Cota (m):		11,933	11,893		11,894	11,934	
E:		709.522,1602	709.522,2287	709.522,3673	709.522,5034	709.522,5717	
N:		7.090.645,8148	7.090.643,8236	7.090.639,7937	7.090.635,8332	7.090.633,8487	
Station: 4+0							
Dist. Eixo (m):		-7,105	-4,706	0,000	5,112	7,666	
Cota (m):		11,727	11,679		11,671	11,722	
E:		709.532,1172	709.532,1997	709.532,3614	709.532,5370	709.532,6248	
N:		7.090.647,2380	7.090.644,8402	7.090.640,1373	7.090.635,0286	7.090.632,4755	
Station: 4+3							
Dist. Eixo (m):		-6,200	-5,010	0,000	5,010	10,457	10,780
Cota (m):		11,661	11,637		11,637	11,746	12,091
E:		709.535,5309	709.535,5718	709.535,7440	709.535,9162	709.536,1033	709.536,1144
N:		7.090.646,4502	7.090.645,2607	7.090.640,2537	7.090.635,2466	7.090.629,8025	7.090.629,4800

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DRENAGEM SUSTENTÁVEL - VILA NOVA
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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 0+3									
Dist. Eixo (m):		-6,430	-4,641	-4,631	0,000	5,190	5,200	7,738	
Cota Camada 1 (m)				18,675	18,768	18,664			
Cota Camada 3 (m)				18,595	18,688	18,584			
Cota Camada 6 (m)				18,555	18,648	18,544			
Cota Camada 7 (m)				18,435	18,528	18,424			
Cota (m):		18,201	18,165	18,285	18,378	18,274	18,154	18,205	
E:		709.076,9437	709.075,1555	709.075,1455	709.070,5173	709.065,3300	709.065,3201	709.062,7843	
N:		7.090.066,6985	7.090.066,6352	7.090.066,6349	7.090.066,4712	7.090.066,2877	7.090.066,2873	7.090.066,1976	
Station: 0+10									
Dist. Eixo (m):		-6,052	-4,008	-3,998	0,000	4,002	4,012	5,979	
Cota Camada 1 (m)				18,098	18,178	18,098			
Cota Camada 3 (m)				18,018	18,098	18,018			
Cota Camada 6 (m)				17,978	18,058	17,978			
Cota Camada 7 (m)				17,858	17,938	17,858			
Cota (m):		17,629	17,588	17,708	17,788	17,708	17,588	17,627	
E:		709.076,7788	709.074,7369	709.074,7269	709.070,7309	709.066,7319	709.066,7219	709.064,7559	
N:		7.090.060,6451	7.090.060,5729	7.090.060,5726	7.090.060,4312	7.090.060,2897	7.090.060,2894	7.090.060,2198	
Station: 1+0									
Dist. Eixo (m):		-5,963	-4,000	-3,990	0,000	4,010	4,020	5,987	
Cota Camada 1 (m)				17,121	17,201	17,121			
Cota Camada 3 (m)				17,041	17,121	17,041			
Cota Camada 6 (m)				17,001	17,081	17,001			
Cota Camada 7 (m)				16,881	16,961	16,881			
Cota (m):		16,651	16,611	16,731	16,811	16,731	16,611	16,650	
E:		709.077,0438	709.075,0818	709.075,0718	709.071,0845	709.067,0768	709.067,0668	709.065,1010	
N:		7.090.050,6483	7.090.050,5789	7.090.050,5785	7.090.050,4374	7.090.050,2957	7.090.050,2953	7.090.050,2258	
Station: 1+10									
Dist. Eixo (m):		-5,911	-3,991	-3,981	0,000	4,019	4,029	5,958	
Cota Camada 1 (m)				16,174	16,253	16,173			
Cota Camada 3 (m)				16,094	16,173	16,093			
Cota Camada 6 (m)				16,054	16,133	16,053			
Cota Camada 7 (m)				15,934	16,013	15,933			
Cota (m):		15,702	15,664	15,784	15,863	15,783	15,663	15,702	
E:		709.077,3455	709.075,4267	709.075,4167	709.071,4380	709.067,4217	709.067,4117	709.065,4838	
N:		7.090.040,6527	7.090.040,5848	7.090.040,5844	7.090.040,4437	7.090.040,3016	7.090.040,3013	7.090.040,2331	
Station: 2+0									
Dist. Eixo (m):		-5,924	-3,983	-3,973	0,000	4,027	4,037	5,972	
Cota Camada 1 (m)				15,364	15,444	15,363			
Cota Camada 3 (m)				15,284	15,364	15,283			
Cota Camada 6 (m)				15,244	15,324	15,243			
Cota Camada 7 (m)				15,124	15,204	15,123			
Cota (m):		14,893	14,854	14,974	15,054	14,973	14,853	14,892	
E:		709.077,7118	709.075,7716	709.075,7616	709.071,7915	709.067,7666	709.067,7566	709.065,8229	
N:		7.090.030,6594	7.090.030,5907	7.090.030,5904	7.090.030,4499	7.090.030,3076	7.090.030,3072	7.090.030,2388	
Station: 2+10									
Dist. Eixo (m):		-5,975	-3,974	-3,964	0,000	4,036	4,046	5,984	
Cota Camada 1 (m)				14,704	14,784	14,703			
Cota Camada 3 (m)				14,624	14,704	14,623			
Cota Camada 6 (m)				14,584	14,664	14,583			
Cota Camada 7 (m)				14,464	14,544	14,463			
Cota (m):		14,234	14,194	14,314	14,394	14,313	14,193	14,232	
E:		709.078,1167	709.076,1165	709.076,1065	709.072,1451	709.068,1115	709.068,1015	709.066,1649	
N:		7.090.020,6674	7.090.020,5967	7.090.020,5963	7.090.020,4562	7.090.020,3135	7.090.020,3132	7.090.020,2446	
Station: 3+0									
Dist. Eixo (m):		-5,925	-3,965	-3,955	0,000	4,045	4,055	6,059	
Cota Camada 1 (m)				14,194	14,273	14,192			
Cota Camada 3 (m)				14,114	14,193	14,112			
Cota Camada 6 (m)				14,074	14,153	14,072			
Cota Camada 7 (m)				13,954	14,033	13,952			
Cota (m):		13,723	13,684	13,804	13,883	13,802	13,682	13,722	
E:		709.078,4198	709.076,4615	709.076,4515	709.072,4986	709.068,4565	709.068,4465	709.066,4434	
N:		7.090.010,6719	7.090.010,6026	7.090.010,6023	7.090.010,4624	7.090.010,3195	7.090.010,3191	7.090.010,2482	

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NOTA DE SERVIÇO
RUA DOUTOR MAURO MOURA

Station: 3+10								
Dist. Eixo (m):	-5,921	-3,957	-3,947	0,000	4,053	4,063	6,119	
Cota Camada 1 (m)			13,833	13,912	13,830			
Cota Camada 3 (m)			13,753	13,832	13,750			
Cota Camada 6 (m)			13,713	13,792	13,710			
Cota Camada 7 (m)			13,593	13,672	13,590			
Cota (m):	13,362	13,323	13,443	13,522	13,440	13,320	13,362	
E:	709.078,7695	709.076,8064	709.076,7964	709.072,8522	709.068,8014	709.068,7914	709.066,7366	
N:	7.090.000,6780	7.090.000,6086	7.090.000,6082	7.090.000,4687	7.090.000,3254	7.090.000,3250	7.090.000,2524	

Station: 4+0								
Dist. Eixo (m):	-5,953	-3,948	-3,938	0,000	4,062	4,072	6,118	
Cota Camada 1 (m)			13,621	13,700	13,618			
Cota Camada 3 (m)			13,541	13,620	13,538			
Cota Camada 6 (m)			13,501	13,580	13,498			
Cota Camada 7 (m)			13,381	13,460	13,378			
Cota (m):	13,151	13,111	13,231	13,310	13,228	13,108	13,149	
E:	709.079,1555	709.077,1513	709.077,1413	709.073,2057	709.069,1463	709.069,1363	709.067,0919	
N:	7.089.990,6854	7.089.990,6145	7.089.990,6142	7.089.990,4750	7.089.990,3313	7.089.990,3310	7.089.990,2587	

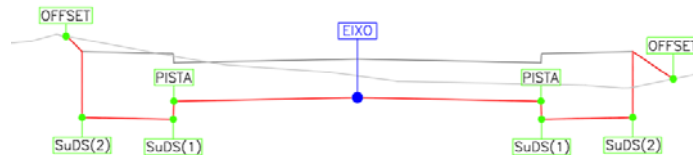
Station: 4+10								
Dist. Eixo (m):	-5,918	-3,939	-3,929	0,000	4,071	4,081	6,106	
Cota Camada 1 (m)			13,530	13,608	13,527			
Cota Camada 3 (m)			13,450	13,528	13,447			
Cota Camada 6 (m)			13,410	13,488	13,407			
Cota Camada 7 (m)			13,290	13,368	13,287			
Cota (m):	13,059	13,020	13,140	13,218	13,137	13,017	13,058	
E:	709.079,4735	709.077,4962	709.077,4862	709.073,5592	709.069,4912	709.069,4812	709.067,4572	
N:	7.089.980,6904	7.089.980,6205	7.089.980,6201	7.089.980,4812	7.089.980,3373	7.089.980,3369	7.089.980,2653	

Station: 5+0								
Dist. Eixo (m):	-5,931	-3,931	-3,921	0,000	4,079	4,089	6,070	
Cota Camada 1 (m)			13,450	13,528	13,447			
Cota Camada 3 (m)			13,370	13,448	13,367			
Cota Camada 6 (m)			13,330	13,408	13,327			
Cota Camada 7 (m)			13,210	13,288	13,207			
Cota (m):	12,980	12,940	13,060	13,138	13,057	12,937	12,976	
E:	709.079,8400	709.077,8411	709.077,8311	709.073,9128	709.069,8361	709.069,8261	709.067,8467	
N:	7.089.970,6971	7.089.970,6264	7.089.970,6261	7.089.970,4875	7.089.970,3432	7.089.970,3429	7.089.970,2729	

Station: 5+10								
Dist. Eixo (m):	-5,894	-3,922	-3,912	0,000	4,088	4,098	6,058	
Cota Camada 1 (m)			13,370	13,448	13,366			
Cota Camada 3 (m)			13,290	13,368	13,286			
Cota Camada 6 (m)			13,250	13,328	13,246			
Cota Camada 7 (m)			13,130	13,208	13,126			
Cota (m):	12,899	12,860	12,980	13,058	12,976	12,856	12,895	
E:	709.080,1563	709.078,1860	709.078,1761	709.074,2663	709.070,1811	709.070,1711	709.068,2122	
N:	7.089.960,7021	7.089.960,6324	7.089.960,6320	7.089.960,4937	7.089.960,3492	7.089.960,3488	7.089.960,2795	

Station: 6+0								
Dist. Eixo (m):	-6,026	-3,914	-3,904	0,000	4,096	4,106	6,090	
Cota Camada 1 (m)			13,290	13,368	13,286			
Cota Camada 3 (m)			13,210	13,288	13,206			
Cota Camada 6 (m)			13,170	13,248	13,166			
Cota Camada 7 (m)			13,050	13,128	13,046			
Cota (m):	12,822	12,780	12,900	12,978	12,896	12,776	12,815	
E:	709.080,6420	709.078,5310	709.078,5210	709.074,6198	709.070,5260	709.070,5160	709.068,5336	
N:	7.089.950,7130	7.089.950,6383	7.089.950,6380	7.089.950,5000	7.089.950,3551	7.089.950,3548	7.089.950,2847	

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
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Station: 6+10								
Dist. Eixo (m):	-5,961	-3,905	-3,895	0,000	4,105	4,115	6,101	
Cota Camada 1 (m)			13,210	13,288	13,205			
Cota Camada 3 (m)			13,130	13,208	13,125			
Cota Camada 6 (m)			13,090	13,168	13,085			
Cota Camada 7 (m)			12,970	13,048	12,965			
Cota (m):	12,741	12,700	12,820	12,898	12,815	12,695	12,735	
E:	709.080,9304	709.078,8759	709.078,8659	709.074,9734	709.070,8709	709.070,8609	709.068,8762	
N:	7.089.940,7169	7.089.940,6443	7.089.940,6439	7.089.940,5062	7.089.940,3611	7.089.940,3607	7.089.940,2905	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA DOUTOR MAURO MOURA

Station: 7+0									
Dist. Eixo (m):		-5,909	-3,896	-3,886	0,000	4,114	4,124	6,112	
Cota Camada 1 (m)				13,130	13,207	13,125			
Cota Camada 3 (m)				13,050	13,127	13,045			
Cota Camada 6 (m)				13,010	13,087	13,005			
Cota Camada 7 (m)				12,890	12,967	12,885			
Cota (m):		12,660	12,620	12,740	12,817	12,735	12,615	12,655	
E:		709.081,2325	709.079,2208	709.079,2108	709.075,3269	709.071,2158	709.071,2058	709.069,2188	
N:		7.089.930,7214	7.089.930,6502	7.089.930,6499	7.089.930,5125	7.089.930,3670	7.089.930,3667	7.089.930,2964	

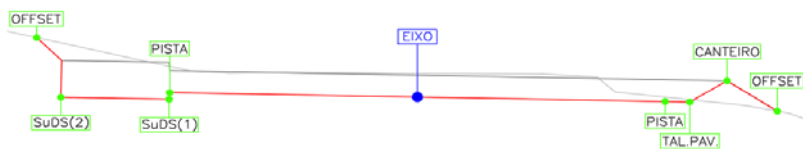
Station: 7+10									
Dist. Eixo (m):		-6,046	-5,891	-3,888	0,000	4,122	4,132	6,122	
Cota Camada 1 (m)				13,050	13,127	13,045			
Cota Camada 3 (m)				12,970	13,047	12,965			
Cota Camada 6 (m)				12,930	13,007	12,925			
Cota Camada 7 (m)				12,810	12,887	12,805			
Cota (m):	13,136	12,580	12,540	12,660	12,737	12,655	12,535	12,574	
E:	709.081,7226	709.081,5675	709.079,5657	709.079,5557	709.075,6804	709.071,5607	709.071,5507	709.069,5620	
N:	7.089.920,7325	7.089.920,7270	7.089.920,6562	7.089.920,6558	7.089.920,5187	7.089.920,3730	7.089.920,3726	7.089.920,3023	

Station: 7+17									
Dist. Eixo (m):				-4,899	0,000	5,398			
Cota Camada 1 (m)				13,103	13,067	13,140			
Cota Camada 3 (m)				13,023	12,987	13,060			
Cota Camada 6 (m)				12,983	12,947	13,020			
Cota Camada 7 (m)				12,863	12,827	12,900			
Cota (m):				12,713	12,677	12,750			
E:				709.080,8423	709.075,9461	709.070,5519			
N:				7.089.913,1832	7.089.913,0100	7.089.912,8191			

Station: 8+13									
Dist. Eixo (m):				-5,171	-0,003	4,889			
Cota (m):				12,710	12,816	12,739			
E:				709.081,6791	709.076,5143	709.071,6256			
N:				7.089.897,2072	7.089.897,0245	7.089.896,8515			

Station: 8+17									
Dist. Eixo (m):				-4,044	0,000	3,958			
Cota Camada 1 (m)				13,105	13,218	13,139			
Cota Camada 3 (m)				13,025	13,138	13,059			
Cota Camada 6 (m)				12,985	13,098	13,019			
Cota Camada 7 (m)				12,865	12,978	12,899			
Cota (m):				12,715	12,828	12,749			
E:				709.080,6903	709.076,6485	709.072,6927			
N:				7.089.893,2958	7.089.893,1528	7.089.893,0129			

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	TAL. PAV	CANTEIRO	OFFSET
Station: 9+0									
Dist. Eixo (m):		-5,819	-4,010	-4,000	0,000	4,000	4,398	5,000	5,556
Cota Camada 1 (m)				13,306	13,226	13,146			
Cota Camada 3 (m)				13,226	13,146	13,066			
Cota Camada 6 (m)				13,186	13,106	13,026			
Cota Camada 7 (m)				13,066	12,986	12,906			
Cota (m):		12,832	12,796	12,916	12,836	12,756	12,748	13,126	12,755
E:		709.082,5501	709.080,7425	709.080,7325	709.076,7347	709.072,7369	709.072,3391	709.071,7374	709.071,1817
N:		7.089.890,7288	7.089.890,6693	7.089.890,6690	7.089.890,5372	7.089.890,4055	7.089.890,3924	7.089.890,3726	7.089.890,3543

Station: 9+10									
Dist. Eixo (m):		-5,942	-4,010	-4,000	0,000	4,000	4,398	5,000	5,658
Cota Camada 1 (m)				13,322	13,242	13,162			
Cota Camada 3 (m)				13,242	13,162	13,082			
Cota Camada 6 (m)				13,202	13,122	13,042			
Cota Camada 7 (m)				13,082	13,002	12,922			
Cota (m):		12,851	12,812	12,932	12,852	12,772	12,764	13,142	12,703
E:		709.083,0026	709.081,0718	709.081,0618	709.077,0640	709.073,0661	709.072,6684	709.072,0667	709.071,4090
N:		7.089.880,7383	7.089.880,6747	7.089.880,6744	7.089.880,5427	7.089.880,4110	7.089.880,3979	7.089.880,3780	7.089.880,3564

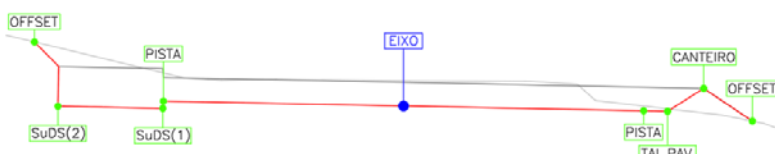
Station: 10+0									
Dist. Eixo (m):		-5,809	-4,010	-4,000	0,000	4,000	4,398	5,000	5,725
Cota Camada 1 (m)				13,309	13,229	13,149			
Cota Camada 3 (m)				13,229	13,149	13,069			
Cota Camada 6 (m)				13,189	13,109	13,029			
Cota Camada 7 (m)				13,069	12,989	12,909			
Cota (m):		12,835	12,799	12,919	12,839	12,759	12,751	13,129	12,646
E:		709.083,1993	709.081,4010	709.081,3910	709.077,3932	709.073,3954	709.072,9976	709.072,3959	709.071,6709
N:		7.089.870,7394	7.089.870,6801	7.089.870,6798	7.089.870,5481	7.089.870,4164	7.089.870,4033	7.089.870,3835	7.089.870,3596

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA DOUTOR MAURO MOURA

Station: 10+10									
Dist. Eixo (m):		-5,758	-4,010	-4,000	0,000	4,000	4,398	5,000	5,811
Cota Camada 1 (m)				13,283	13,203	13,123			
Cota Camada 3 (m)				13,203	13,123	13,043			
Cota Camada 6 (m)				13,163	13,083	13,003			
Cota Camada 7 (m)				13,043	12,963	12,883			
Cota (m):		12,808	12,773	12,893	12,813	12,733	12,725	13,103	12,562
E:		709.083,4776	709.081,7303	709.081,7203	709.077,7225	709.073,7246	709.073,3269	709.072,7252	709.071,9151
N:		7.089.860,7431	7.089.860,6855	7.089.860,6852	7.089.860,5535	7.089.860,4218	7.089.860,4087	7.089.860,3889	7.089.860,3622

Station: 11+0									
Dist. Eixo (m):		-5,707	-4,010	-4,000	0,000	4,000	4,398	5,000	5,862
Cota Camada 1 (m)				13,240	13,160	13,080			
Cota Camada 3 (m)				13,160	13,080	13,000			
Cota Camada 6 (m)				13,120	13,040	12,960			
Cota Camada 7 (m)				13,000	12,920	12,840			
Cota (m):		12,764	12,730	12,850	12,770	12,690	12,682	13,060	12,485
E:		709.083,7558	709.082,0596	709.082,0496	709.078,0517	709.074,0539	709.073,6562	709.073,0545	709.072,1930
N:		7.089.850,7469	7.089.850,6910	7.089.850,6906	7.089.850,5589	7.089.850,4272	7.089.850,4141	7.089.850,3943	7.089.850,3659

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	TAL. PAV	CANTEIRO	OFFSET
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Station: 11+10									
Dist. Eixo (m):		-5,970	-4,010	-4,000	0,000	4,000	4,398	5,000	5,821
Cota Camada 1 (m)				13,145	13,065	12,985			
Cota Camada 3 (m)				13,065	12,985	12,905			
Cota Camada 6 (m)				13,025	12,945	12,865			
Cota Camada 7 (m)				12,905	12,825	12,745			
Cota (m):		12,674	12,635	12,755	12,675	12,595	12,587	12,965	12,417
E:		709.084,3482	709.082,3888	709.082,3788	709.078,3810	709.074,3832	709.073,9854	709.073,3837	709.072,5633
N:		7.089.840,7609	7.089.840,6964	7.089.840,6961	7.089.840,5644	7.089.840,4327	7.089.840,4195	7.089.840,3997	7.089.840,3727

Station: 12+0									
Dist. Eixo (m):		-5,890	-4,010	-4,000	0,000	4,000	4,398	5,000	5,659
Cota Camada 1 (m)				13,011	12,931	12,851			
Cota Camada 3 (m)				12,931	12,851	12,771			
Cota Camada 6 (m)				12,891	12,811	12,731			
Cota Camada 7 (m)				12,771	12,691	12,611			
Cota (m):		12,538	12,501	12,621	12,541	12,461	12,453	12,831	12,391
E:		709.084,5967	709.082,7181	709.082,7081	709.078,7103	709.074,7124	709.074,3147	709.073,7130	709.073,0542
N:		7.089.830,7637	7.089.830,7018	7.089.830,7015	7.089.830,5698	7.089.830,4381	7.089.830,4250	7.089.830,4051	7.089.830,3834

Station: 12+10									
Dist. Eixo (m):		-5,863	-4,010	-4,000	0,000	4,000	4,398	5,000	5,509
Cota Camada 1 (m)				12,875	12,795	12,715			
Cota Camada 3 (m)				12,795	12,715	12,635			
Cota Camada 6 (m)				12,755	12,675	12,595			
Cota Camada 7 (m)				12,635	12,555	12,475			
Cota (m):		12,402	12,365	12,485	12,405	12,325	12,317	12,695	12,355
E:		709.084,8990	709.083,0474	709.083,0374	709.079,0395	709.075,0417	709.074,6440	709.074,0422	709.073,5336
N:		7.089.820,7682	7.089.820,7072	7.089.820,7069	7.089.820,5752	7.089.820,4435	7.089.820,4304	7.089.820,4106	7.089.820,3938

Station: 13+0									
Dist. Eixo (m):		-5,940	-4,010	-4,000	0,000	4,000	4,398	5,000	5,361
Cota Camada 1 (m)				12,739	12,659	12,579			
Cota Camada 3 (m)				12,659	12,579	12,499			
Cota Camada 6 (m)				12,619	12,539	12,459			
Cota Camada 7 (m)				12,499	12,419	12,339			
Cota (m):		12,268	12,229	12,349	12,269	12,189	12,181	12,559	12,318
E:		709.085,3054	709.083,3766	709.083,3666	709.079,3688	709.075,3710	709.074,9732	709.074,3715	709.074,0102
N:		7.089.810,7762	7.089.810,7127	7.089.810,7123	7.089.810,5806	7.089.810,4489	7.089.810,4358	7.089.810,4160	7.089.810,4041

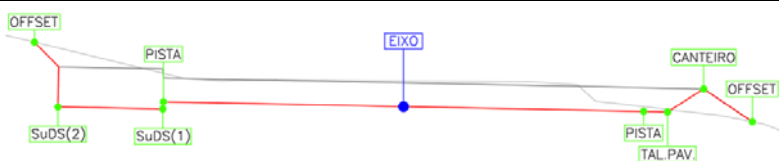
Station: 13+10									
Dist. Eixo (m):		-5,958	-4,010	-4,000	0,000	4,000	4,398	5,000	5,214
Cota Camada 1 (m)				12,603	12,523	12,443			
Cota Camada 3 (m)				12,523	12,443	12,363			
Cota Camada 6 (m)				12,483	12,403	12,323			
Cota Camada 7 (m)				12,363	12,283	12,203			
Cota (m):		12,132	12,093	12,213	12,133	12,053	12,045	12,423	12,281
E:		709.085,6524	709.083,7059	709.083,6959	709.079,6981	709.075,7002	709.075,3025	709.074,7008	709.074,4869
N:		7.089.800,7822	7.089.800,7181	7.089.800,7178	7.089.800,5860	7.089.800,4543	7.089.800,4412	7.089.800,4214	7.089.800,4144

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA DOUTOR MAURO MOURA

Station: 14+0									
Dist. Eixo (m):		-5,906	-4,010	-4,000	0,000	4,000	4,398	5,000	5,067
Cota Camada 1 (m)				12,468	12,388	12,308			
Cota Camada 3 (m)				12,388	12,308	12,228			
Cota Camada 6 (m)				12,348	12,268	12,188			
Cota Camada 7 (m)				12,228	12,148	12,068			
Cota (m):		11,995	11,958	12,078	11,998	11,918	11,910	12,288	12,243
E:		709.085,9304	709.084,0352	709.084,0252	709.080,0273	709.076,0295	709.075,6318	709.075,0300	709.074,9635
N:		7.089.790,7859	7.089.790,7235	7.089.790,7232	7.089.790,5915	7.089.790,4598	7.089.790,4467	7.089.790,4268	7.089.790,4246
Station: 14+10									
Dist. Eixo (m):		-5,974	-4,010	-4,000	0,000	4,000	4,398	5,000	5,010
Cota Camada 1 (m)				12,358	12,278	12,198			
Cota Camada 3 (m)				12,278	12,198	12,118			
Cota Camada 6 (m)				12,238	12,158	12,078			
Cota Camada 7 (m)				12,118	12,038	11,958			
Cota (m):		11,887	11,848	11,968	11,888	11,808	11,800	12,178	12,188
E:		709.086,3270	709.084,3644	709.084,3544	709.080,3566	709.076,3588	709.075,9610	709.075,3593	709.075,3496
N:		7.089.780,7936	7.089.780,7289	7.089.780,7286	7.089.780,5969	7.089.780,4652	7.089.780,4521	7.089.780,4323	7.089.780,4319
Station: 15+0									
Dist. Eixo (m):		-5,991	-4,010	-4,000	0,000	4,000	4,398	5,000	5,047
Cota Camada 1 (m)				12,309	12,229	12,149			
Cota Camada 3 (m)				12,229	12,149	12,069			
Cota Camada 6 (m)				12,189	12,109	12,029			
Cota Camada 7 (m)				12,069	11,989	11,909			
Cota (m):		11,838	11,799	11,919	11,839	11,759	11,751	12,129	12,098
E:		709.086,6736	709.084,6937	709.084,6837	709.080,6859	709.076,6880	709.076,2903	709.075,6886	709.075,6421
N:		7.089.770,7996	7.089.770,7343	7.089.770,7340	7.089.770,6023	7.089.770,4706	7.089.770,4575	7.089.770,4377	7.089.770,4362
Station: 15+10									
Dist. Eixo (m):		-6,000	-4,010	-4,000	0,000	4,000	4,398	5,000	5,296
Cota Camada 1 (m)				12,293	12,213	12,133			
Cota Camada 3 (m)				12,213	12,133	12,053			
Cota Camada 6 (m)				12,173	12,093	12,013			
Cota Camada 7 (m)				12,053	11,973	11,893			
Cota (m):		11,823	11,783	11,903	11,823	11,743	11,735	12,113	11,916
E:		709.087,0122	709.085,0229	709.085,0130	709.081,0151	709.077,0173	709.076,6195	709.076,0178	709.075,7223
N:		7.089.760,8053	7.089.760,7398	7.089.760,7394	7.089.760,6077	7.089.760,4760	7.089.760,4629	7.089.760,4431	7.089.760,4334
Station: 16+0									
Dist. Eixo (m):		-6,054	-4,010	-4,000	0,000	4,000	4,398	5,000	5,547
Cota Camada 1 (m)				12,278	12,198	12,118			
Cota Camada 3 (m)				12,198	12,118	12,038			
Cota Camada 6 (m)				12,158	12,078	11,998			
Cota Camada 7 (m)				12,038	11,958	11,878			
Cota (m):		11,808	11,768	11,888	11,808	11,728	11,720	12,098	11,733
E:		709.087,3954	709.085,3522	709.085,3422	709.081,3444	709.077,3466	709.076,9488	709.076,3471	709.075,8001
N:		7.089.750,8125	7.089.750,7452	7.089.750,7449	7.089.750,6132	7.089.750,4815	7.089.750,4683	7.089.750,4485	7.089.750,4305
Station: 16+10									
Dist. Eixo (m):		-6,060	-4,010	-4,000	0,000	4,000	4,398	5,000	5,823
Cota Camada 1 (m)				12,262	12,182	12,102			
Cota Camada 3 (m)				12,182	12,102	12,022			
Cota Camada 6 (m)				12,142	12,062	11,982			
Cota Camada 7 (m)				12,022	11,942	11,862			
Cota (m):		11,793	11,752	11,872	11,792	11,712	11,704	12,082	11,533
E:		709.087,7304	709.085,6815	709.085,6715	709.081,6737	709.077,6758	709.077,2781	709.076,6764	709.075,8537
N:		7.089.740,8181	7.089.740,7506	7.089.740,7503	7.089.740,6186	7.089.740,4869	7.089.740,4738	7.089.740,4539	7.089.740,4268
Station: 17+0									
Dist. Eixo (m):		-6,050	-4,010	-4,000	0,000	4,000	4,398	5,000	6,099
Cota Camada 1 (m)				12,247	12,167	12,087			
Cota Camada 3 (m)				12,167	12,087	12,007			
Cota Camada 6 (m)				12,127	12,047	11,967			
Cota Camada 7 (m)				12,007	11,927	11,847			
Cota (m):		11,778	11,737	11,857	11,777	11,697	11,689	12,067	11,334
E:		709.088,0491	709.086,0107	709.086,0007	709.082,0029	709.078,0051	709.077,6073	709.077,0056	709.075,9073
N:		7.089.730,8232	7.089.730,7560	7.089.730,7557	7.089.730,6240	7.089.730,4923	7.089.730,4792	7.089.730,4594	7.089.730,4232
Station: 17+10									
Dist. Eixo (m):		-6,016	-4,010	-4,000	0,000	4,000	4,398	5,000	6,342
Cota Camada 1 (m)				12,231	12,151	12,071			
Cota Camada 3 (m)				12,151	12,071	11,991			
Cota Camada 6 (m)				12,111	12,031	11,951			
Cota Camada 7 (m)				11,991	11,911	11,831			
Cota (m):		11,761	11,721	11,841	11,761	11,681	11,673	12,051	11,157
E:		709.088,3447	709.086,3400	709.086,3300	709.082,3322	709.078,3343	709.077,9366	709.077,3349	709.075,9939
N:		7.089.720,8275	7.089.720,7615	7.089.720,7611	7.089.720,6294	7.089.720,4977	7.089.720,4846	7.089.720,4648	7.089.720,4206

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PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	TAL. PAV	CANTEIRO	OFFSET
Station: 17+12									
Dist. Eixo (m):		-6,006	-4,010	-4,000	0,000	4,000	4,398	5,000	6,383
Cota Camada 1 (m)				12,227	12,147	12,067			
Cota Camada 3 (m)				12,147	12,067	11,987			
Cota Camada 6 (m)				12,107	12,027	11,947			
Cota Camada 7 (m)				11,987	11,907	11,827			
Cota (m):		11,757	11,717	11,837	11,757	11,677	11,669	12,047	11,125
E:		709.088,4284	709.086,4333	709.086,4233	709.082,4255	709.078,4276	709.078,0299	709.077,4282	709.076,0464
N:		7.089.717,9952	7.089.717,9295	7.089.717,9291	7.089.717,7974	7.089.717,6657	7.089.717,6526	7.089.717,6328	7.089.717,5873
Station: 18+0									
Dist. Eixo (m):				-4,000	0,000	4,000	4,398	5,000	6,464
Cota Camada 1 (m)				12,216	12,136	12,056			
Cota Camada 3 (m)				12,136	12,056	11,976			
Cota Camada 6 (m)				12,096	12,016	11,936			
Cota Camada 7 (m)				11,976	11,896	11,816			
Cota (m):				11,826	11,746	11,666	11,658	12,036	11,060
E:				709.086,6996	709.082,7026	709.078,7056	709.078,3079	709.077,7063	709.076,2433
N:				7.089.710,7910	7.089.710,6363	7.089.710,4817	7.089.710,4663	7.089.710,4430	7.089.710,3864
Station: 18+10									
Dist. Eixo (m):				-4,000	0,000	4,000	4,398	5,000	6,805
Cota Camada 1 (m)				12,209	12,129	12,049			
Cota Camada 3 (m)				12,129	12,049	11,969			
Cota Camada 6 (m)				12,089	12,009	11,929			
Cota Camada 7 (m)				11,969	11,889	11,809			
Cota (m):				11,819	11,739	11,659	11,651	12,029	10,827
E:				709.087,0863	709.083,0892	709.079,0922	709.078,6946	709.078,0930	709.076,2894
N:				7.089.700,7985	7.089.700,6438	7.089.700,4891	7.089.700,4737	7.089.700,4505	7.089.700,3807
Station: 19+0									
Dist. Eixo (m):		-5,200	-4,010	-4,000	0,000	4,000	4,398	5,000	6,913
Cota Camada 1 (m)				12,221	12,141	12,061			
Cota Camada 3 (m)				12,141	12,061	11,981			
Cota Camada 6 (m)				12,101	12,021	11,941			
Cota Camada 7 (m)				11,981	11,901	11,821			
Cota (m):		11,735	11,711	11,831	11,751	11,671	11,663	12,041	10,765
E:		709.088,6722	709.087,4829	709.087,4729	709.083,4759	709.079,4789	709.079,0812	709.078,4796	709.076,5679
N:		7.089.690,8524	7.089.690,8063	7.089.690,8059	7.089.690,6513	7.089.690,4966	7.089.690,4812	7.089.690,4579	7.089.690,3840
Station: 19+8									
Dist. Eixo (m):		-6,021	-4,010	-4,000	0,000	4,000	4,398	5,000	6,949
Cota Camada 1 (m)				12,239	12,159	12,079			
Cota Camada 3 (m)				12,159	12,079	11,999			
Cota Camada 6 (m)				12,119	12,039	11,959			
Cota Camada 7 (m)				11,999	11,919	11,839			
Cota (m):		11,769	11,729	11,849	11,769	11,689	11,681	12,059	10,759
E:		709.089,8313	709.087,8215	709.087,8115	709.083,8145	709.079,8175	709.079,4199	709.078,8183	709.076,8705
N:		7.089.682,1329	7.089.682,0552	7.089.682,0548	7.089.681,9001	7.089.681,7454	7.089.681,7301	7.089.681,7068	7.089.681,6314
Station: 19+10									
Dist. Eixo (m):		-6,025	-4,010	-4,000	0,000	4,000	4,398	5,000	6,958
Cota Camada 1 (m)				12,241	12,161	12,081			
Cota Camada 3 (m)				12,161	12,081	12,001			
Cota Camada 6 (m)				12,121	12,041	11,961			
Cota Camada 7 (m)				12,001	11,921	11,841			
Cota (m):		11,771	11,731	11,851	11,771	11,691	11,683	12,061	10,756
E:		709.089,8773	709.087,8634	709.087,8534	709.083,8556	709.079,8577	709.079,4600	709.078,8583	709.076,9013
N:		7.089.680,8574	7.089.680,7909	7.089.680,7906	7.089.680,6585	7.089.680,5264	7.089.680,5133	7.089.680,4934	7.089.680,4288
Station: 20+0									
Dist. Eixo (m):		-5,909	-4,010	-4,000	0,000	4,000	4,398	5,000	6,421
Cota Camada 1 (m)				12,262	12,182	12,102			
Cota Camada 3 (m)				12,182	12,102	12,022			
Cota Camada 6 (m)				12,142	12,062	11,982			
Cota Camada 7 (m)				12,022	11,942	11,862			
Cota (m):		11,789	11,752	11,872	11,792	11,712	11,704	12,082	11,134
E:		709.090,0912	709.088,1935	709.088,1835	709.084,1857	709.080,1879	709.079,7902	709.079,1884	709.077,7686
N:		7.089.670,8590	7.089.670,7964	7.089.670,7960	7.089.670,6640	7.089.670,5319	7.089.670,5188	7.089.670,4989	7.089.670,4520

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Station: 20+10									
Dist. Eixo (m):	-5,899	-4,010	-4,000	0,000	4,000	4,398	5,000	6,298	
Cota Camada 1 (m)			12,282	12,202	12,122				
Cota Camada 3 (m)			12,202	12,122	12,042				
Cota Camada 6 (m)			12,162	12,082	12,002				
Cota Camada 7 (m)			12,042	11,962	11,882				
Cota (m):	11,810	11,772	11,892	11,812	11,732	11,724	12,102	11,237	
E:	709.090,4117	709.088,5237	709.088,5137	709.084,5159	709.080,5181	709.080,1203	709.079,5186	709.078,2217	
N:	7.089.660,8642	7.089.660,8018	7.089.660,8015	7.089.660,6694	7.089.660,5373	7.089.660,5242	7.089.660,5043	7.089.660,4615	

Station: 21+0									
Dist. Eixo (m):	-5,889	-4,010	-4,000	0,000	4,000	4,398	5,000	6,314	
Cota Camada 1 (m)			12,302	12,222	12,142				
Cota Camada 3 (m)			12,222	12,142	12,062				
Cota Camada 6 (m)			12,182	12,102	12,022				
Cota Camada 7 (m)			12,062	11,982	11,902				
Cota (m):	11,830	11,792	11,912	11,832	11,752	11,744	12,122	11,246	
E:	709.090,7321	709.088,8539	709.088,8439	709.084,8460	709.080,8482	709.080,4505	709.079,8488	709.078,5355	
N:	7.089.650,8693	7.089.650,8073	7.089.650,8069	7.089.650,6749	7.089.650,5428	7.089.650,5297	7.089.650,5098	7.089.650,4664	

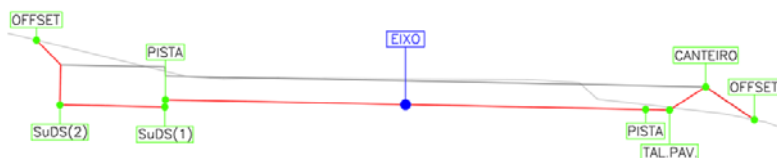
Station: 21+10									
Dist. Eixo (m):	-5,892	-4,010	-4,000	0,000	4,000	4,398	5,000	6,412	
Cota Camada 1 (m)			12,323	12,243	12,163				
Cota Camada 3 (m)			12,243	12,163	12,083				
Cota Camada 6 (m)			12,203	12,123	12,043				
Cota Camada 7 (m)			12,083	12,003	11,923				
Cota (m):	11,851	11,813	11,933	11,853	11,773	11,765	12,143	11,202	
E:	709.091,0652	709.089,1840	709.089,1740	709.085,1762	709.081,1784	709.080,7807	709.080,1789	709.078,7677	
N:	7.089.640,8749	7.089.640,8127	7.089.640,8124	7.089.640,6803	7.089.640,5482	7.089.640,5351	7.089.640,5152	7.089.640,4686	

Station: 22+0									
Dist. Eixo (m):	-5,913	-4,010	-4,000	0,000	4,000	4,398	5,000	6,494	
Cota Camada 1 (m)			12,337	12,257	12,177				
Cota Camada 3 (m)			12,257	12,177	12,097				
Cota Camada 6 (m)			12,217	12,137	12,057				
Cota Camada 7 (m)			12,097	12,017	11,937				
Cota (m):	11,865	11,827	11,947	11,867	11,787	11,779	12,157	11,161	
E:	709.091,4167	709.089,5142	709.089,5042	709.085,5064	709.081,5086	709.081,1108	709.080,5091	709.079,0156	
N:	7.089.630,8810	7.089.630,8182	7.089.630,8178	7.089.630,6858	7.089.630,5537	7.089.630,5406	7.089.630,5207	7.089.630,4713	

Station: 22+10									
Dist. Eixo (m):	-5,935	-4,010	-4,000	0,000	4,000	4,398	5,000	6,458	
Cota Camada 1 (m)			12,319	12,239	12,159				
Cota Camada 3 (m)			12,239	12,159	12,079				
Cota Camada 6 (m)			12,199	12,119	12,039				
Cota Camada 7 (m)			12,079	11,999	11,919				
Cota (m):	11,847	11,809	11,929	11,849	11,769	11,761	12,139	11,167	
E:	709.091,7681	709.089,8444	709.089,8344	709.085,8365	709.081,8387	709.081,4410	709.080,8393	709.079,3816	
N:	7.089.620,8872	7.089.620,8236	7.089.620,8233	7.089.620,6912	7.089.620,5591	7.089.620,5460	7.089.620,5261	7.089.620,4780	

Station: 23+0									
Dist. Eixo (m):	-5,956	-4,010	-4,000	0,000	4,000	4,398	5,000	6,314	
Cota Camada 1 (m)			12,270	12,190	12,110				
Cota Camada 3 (m)			12,190	12,110	12,030				
Cota Camada 6 (m)			12,150	12,070	11,990				
Cota Camada 7 (m)			12,030	11,950	11,870				
Cota (m):	11,799	11,760	11,880	11,800	11,720	11,712	12,090	11,214	
E:	709.092,1195	709.090,1745	709.090,1645	709.086,1667	709.082,1689	709.081,7711	709.081,1694	709.079,8561	
N:	7.089.610,8933	7.089.610,8291	7.089.610,8287	7.089.610,6967	7.089.610,5646	7.089.610,5515	7.089.610,5316	7.089.610,4882	

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	TAL. PAV.	CANTEIRO	OFFSET
Station: 23+10									
Dist. Eixo (m):	-5,977	-4,010	-4,000	0,000	4,000	4,398	5,000	6,158	
Cota Camada 1 (m)			12,218	12,138	12,058				
Cota Camada 3 (m)			12,138	12,058	11,978				
Cota Camada 6 (m)			12,098	12,018	11,938				
Cota Camada 7 (m)			11,978	11,898	11,818				
Cota (m):	11,748	11,708	11,828	11,748	11,668	11,660	12,038	11,266	
E:	709.092,4710	709.090,5047	709.090,4947	709.086,4969	709.082,4991	709.082,1013	709.081,4996	709.080,3424	
N:	7.089.600,8995	7.089.600,8345	7.089.600,8342	7.089.600,7021	7.089.600,5701	7.089.600,5569	7.089.600,5370	7.089.600,4988	

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Station: 24+0									
Dist. Eixo (m):	-5,999	-4,010	-4,000	0,000	4,000	4,398	5,000	5,980	
Cota Camada 1 (m)			12,166	12,086	12,006				
Cota Camada 3 (m)			12,086	12,006	11,926				
Cota Camada 6 (m)			12,046	11,966	11,886				
Cota Camada 7 (m)			11,926	11,846	11,766				
Cota (m):	11,696	11,656	11,776	11,696	11,616	11,608	11,986	11,332	
E:	709.092,8224	709.090,8349	709.090,8249	709.086,8270	709.082,8292	709.082,4315	709.081,8298	709.080,8498	
N:	7.089.590,9056	7.089.590,8400	7.089.590,8396	7.089.590,7076	7.089.590,5755	7.089.590,5624	7.089.590,5425	7.089.590,5101	
Station: 24+10									
Dist. Eixo (m):	-5,951	-4,010	-4,000	0,000	4,000	4,398	5,000	5,912	
Cota Camada 1 (m)			12,114	12,034	11,954				
Cota Camada 3 (m)			12,034	11,954	11,874				
Cota Camada 6 (m)			11,994	11,914	11,834				
Cota Camada 7 (m)			11,874	11,794	11,714				
Cota (m):	11,643	11,604	11,724	11,644	11,564	11,556	11,934	11,326	
E:	709.093,1054	709.091,1650	709.091,1550	709.087,1572	709.083,1594	709.082,7616	709.082,1599	709.081,2483	
N:	7.089.580,9095	7.089.580,8454	7.089.580,8451	7.089.580,7130	7.089.580,5810	7.089.580,5678	7.089.580,5479	7.089.580,5178	
Station: 25+0									
Dist. Eixo (m):	-5,949	-4,010	-4,000	0,000	4,000	4,398	5,000	6,067	
Cota Camada 1 (m)			12,062	11,982	11,902				
Cota Camada 3 (m)			11,982	11,902	11,822				
Cota Camada 6 (m)			11,942	11,862	11,782				
Cota Camada 7 (m)			11,822	11,742	11,662				
Cota (m):	11,591	11,552	11,672	11,592	11,512	11,504	11,882	11,171	
E:	709.093,4327	709.091,4952	709.091,4852	709.087,4874	709.083,4896	709.083,0918	709.082,4901	709.081,4240	
N:	7.089.570,9149	7.089.570,8509	7.089.570,8505	7.089.570,7185	7.089.570,5864	7.089.570,5733	7.089.570,5534	7.089.570,5182	
Station: 25+10									
Dist. Eixo (m):			-4,000	0,000	4,000	4,398	5,000	6,334	
Cota Camada 1 (m)			12,010	11,930	11,850				
Cota Camada 3 (m)			11,930	11,850	11,770				
Cota Camada 6 (m)			11,890	11,810	11,730				
Cota Camada 7 (m)			11,770	11,690	11,610				
Cota (m):			11,620	11,540	11,460	11,452	11,830	10,941	
E:			709.091,8154	709.087,8175	709.083,8197	709.083,4220	709.082,8203	709.081,4874	
N:			7.089.560,8560	7.089.560,7239	7.089.560,5919	7.089.560,5787	7.089.560,5588	7.089.560,5148	
Station: 25+18									
Dist. Eixo (m):			-4,000	0,000	3,999	4,397	4,999	6,208	
Cota Camada 1 (m)			11,967	11,887	11,807				
Cota Camada 3 (m)			11,887	11,807	11,727				
Cota Camada 6 (m)			11,847	11,767	11,687				
Cota Camada 7 (m)			11,727	11,647	11,567				
Cota (m):			11,577	11,497	11,417	11,409	11,787	10,981	
E:			709.092,0852	709.088,0874	709.084,0896	709.083,6918	709.083,0901	709.081,8814	
N:			7.089.552,6877	7.089.552,5556	7.089.552,4235	7.089.552,4104	7.089.552,3905	7.089.552,3506	
Station: 26+0									
Dist. Eixo (m):			-4,000	0,000	4,000	4,398	5,000	6,198	
Cota Camada 1 (m)			11,958	11,878	11,798				
Cota Camada 3 (m)			11,878	11,798	11,718				
Cota Camada 6 (m)			11,838	11,758	11,678				
Cota Camada 7 (m)			11,718	11,638	11,558				
Cota (m):			11,568	11,488	11,408	11,400	11,778	10,979	
E:			709.092,1173	709.088,1178	709.084,1184	709.083,7205	709.083,1185	709.081,9203	
N:			7.089.550,7953	7.089.550,7286	7.089.550,6620	7.089.550,6553	7.089.550,6453	7.089.550,6253	
Station: 26+10									
Dist. Eixo (m):			-4,000	0,000	4,000	4,398	5,000	6,507	
Cota Camada 1 (m)			11,906	11,826	11,746				
Cota Camada 3 (m)			11,826	11,746	11,666				
Cota Camada 6 (m)			11,786	11,706	11,626				
Cota Camada 7 (m)			11,666	11,586	11,506				
Cota (m):			11,516	11,436	11,356	11,348	11,726	10,721	
E:			709.092,2839	709.088,2845	709.084,2851	709.083,8871	709.083,2852	709.081,7782	
N:			7.089.540,7967	7.089.540,7300	7.089.540,6634	7.089.540,6567	7.089.540,6467	7.089.540,6216	
Station: 26+18									
Dist. Eixo (m):	-5,974	-4,009	-3,999	0,000	4,000	4,398	5,000	6,856	
Cota Camada 1 (m)			11,859	11,779	11,699				
Cota Camada 3 (m)			11,779	11,699	11,619				
Cota Camada 6 (m)			11,739	11,659	11,579				
Cota Camada 7 (m)			11,619	11,539	11,459				
Cota (m):	11,389	11,349	11,469	11,389	11,309	11,301	11,679	10,442	
E:	709.094,4070	709.092,4429	709.092,4329	709.088,4335	709.084,4340	709.084,0361	709.083,4342	709.081,5787	
N:	7.089.531,8926	7.089.531,8599	7.089.531,8597	7.089.531,7931	7.089.531,7264	7.089.531,7198	7.089.531,7097	7.089.531,6788	

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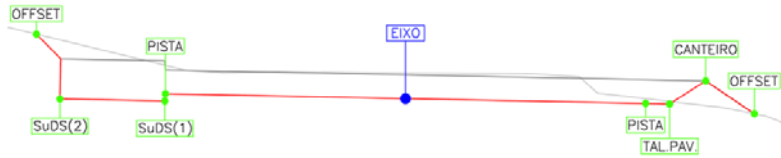
Station: 27+0									
Dist. Eixo (m):		-5,968	-4,010	-4,000	0,000	4,000	4,398	5,000	6,894
Cota Camada 1 (m)				11,854	11,774	11,694			
Cota Camada 3 (m)				11,774	11,694	11,614			
Cota Camada 6 (m)				11,734	11,654	11,574			
Cota Camada 7 (m)				11,614	11,534	11,454			
Cota (m):		11,383	11,344	11,464	11,384	11,304	11,296	11,674	10,411
E:		709.094,4341	709.092,4771	709.092,4671	709.088,4694	709.084,4717	709.084,0739	709.083,4722	709.081,5789
N:		7.089.530,9336	7.089.530,8674	7.089.530,8671	7.089.530,7319	7.089.530,5966	7.089.530,5832	7.089.530,5628	7.089.530,4988

Station: 27+10									
Dist. Eixo (m):		-5,968	-4,010	-4,000	0,000	4,000	4,398	5,000	7,198
Cota Camada 1 (m)				11,802	11,722	11,642			
Cota Camada 3 (m)				11,722	11,642	11,562			
Cota Camada 6 (m)				11,682	11,602	11,522			
Cota Camada 7 (m)				11,562	11,482	11,402			
Cota (m):		11,331	11,292	11,412	11,332	11,252	11,244	11,622	10,156
E:		709.094,7717	709.092,8152	709.092,8052	709.088,8074	709.084,8097	709.084,4120	709.083,8103	709.081,6134
N:		7.089.520,9393	7.089.520,8732	7.089.520,8728	7.089.520,7376	7.089.520,6024	7.089.520,5889	7.089.520,5686	7.089.520,4942

Station: 28+0									
Dist. Eixo (m):		-5,971	-4,010	-4,000	0,000	4,000	4,398	5,000	8,826
Cota Camada 1 (m)				11,750	11,670	11,590			
Cota Camada 3 (m)				11,670	11,590	11,510			
Cota Camada 6 (m)				11,630	11,550	11,470			
Cota Camada 7 (m)				11,510	11,430	11,350			
Cota (m):		11,279	11,240	11,360	11,280	11,200	11,192	11,570	9,019
E:		709.095,1128	709.093,1532	709.093,1432	709.089,1455	709.085,1478	709.084,7501	709.084,1484	709.080,3247
N:		7.089.510,9452	7.089.510,8789	7.089.510,8785	7.089.510,7433	7.089.510,6081	7.089.510,5946	7.089.510,5743	7.089.510,4449

Station: 28+10									
Dist. Eixo (m):		-5,974	-4,010	-4,000	0,000	4,000	4,398	5,000	8,779
Cota Camada 1 (m)				11,698	11,618	11,538			
Cota Camada 3 (m)				11,618	11,538	11,458			
Cota Camada 6 (m)				11,578	11,498	11,418			
Cota Camada 7 (m)				11,458	11,378	11,298			
Cota (m):		11,227	11,188	11,308	11,228	11,148	11,140	11,518	8,998
E:		709.095,4539	709.093,4913	709.093,4813	709.089,4836	709.085,4859	709.085,0882	709.084,4865	709.080,7100
N:		7.089.500,9510	7.089.500,8846	7.089.500,8843	7.089.500,7490	7.089.500,6138	7.089.500,6003	7.089.500,5800	7.089.500,4522

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	TAL. PAV	CANTEIRO	OFFSET
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Station: 29+0									
Dist. Eixo (m):		-5,977	-4,010	-4,000	0,000	4,000	4,398	5,000	8,723
Cota Camada 1 (m)				11,645	11,565	11,485			
Cota Camada 3 (m)				11,565	11,485	11,405			
Cota Camada 6 (m)				11,525	11,445	11,365			
Cota Camada 7 (m)				11,405	11,325	11,245			
Cota (m):		11,175	11,135	11,255	11,175	11,095	11,088	11,465	8,983
E:		709.095,7950	709.093,8294	709.093,8194	709.089,8217	709.085,8240	709.085,4262	709.084,8245	709.081,1035
N:		7.089.490,9568	7.089.490,8903	7.089.490,8900	7.089.490,7547	7.089.490,6195	7.089.490,6061	7.089.490,5857	7.089.490,4598

Station: 29+10									
Dist. Eixo (m):		-5,980	-4,010	-4,000	0,000	4,000	4,398	5,000	7,132
Cota Camada 1 (m)				11,593	11,513	11,433			
Cota Camada 3 (m)				11,513	11,433	11,353			
Cota Camada 6 (m)				11,473	11,393	11,313			
Cota Camada 7 (m)				11,353	11,273	11,193			
Cota (m):		11,123	11,083	11,203	11,123	11,043	11,035	11,413	9,992
E:		709.096,1361	709.094,1675	709.094,1575	709.090,1598	709.086,1621	709.085,7643	709.085,1626	709.083,0320
N:		7.089.480,9626	7.089.480,8960	7.089.480,8957	7.089.480,7605	7.089.480,6252	7.089.480,6118	7.089.480,5914	7.089.480,5193

Station: 30+0									
Dist. Eixo (m):		-5,983	-4,010	-4,000	0,000	4,000	4,398	5,000	6,832
Cota Camada 1 (m)				11,541	11,461	11,381			
Cota Camada 3 (m)				11,461	11,381	11,301			
Cota Camada 6 (m)				11,421	11,341	11,261			
Cota Camada 7 (m)				11,301	11,221	11,141			
Cota (m):		11,071	11,031	11,151	11,071	10,991	10,983	11,361	10,140
E:		709.096,4773	709.094,5056	709.094,4956	709.090,4978	709.086,5001	709.086,1024	709.085,5007	709.083,6698
N:		7.089.470,9684	7.089.470,9017	7.089.470,9014	7.089.470,7662	7.089.470,6309	7.089.470,6175	7.089.470,5971	7.089.470,5352

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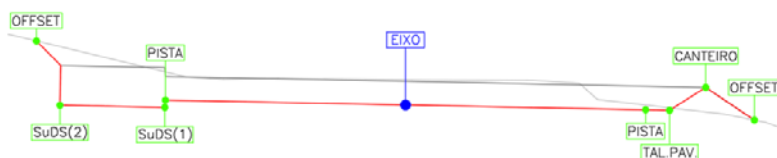
Station: 30+10									
Dist. Eixo (m):		-5,986	-4,010	-4,000	0,000	4,000	4,398	5,000	6,532
Cota Camada 1 (m)				11,489	11,409	11,329			
Cota Camada 3 (m)				11,409	11,329	11,249			
Cota Camada 6 (m)				11,369	11,289	11,209			
Cota Camada 7 (m)				11,249	11,169	11,089			
Cota (m):		11,019	10,979	11,099	11,019	10,939	10,931	11,309	10,288
E:		709.096,8184	709.094,8436	709.094,8336	709.090,8359	709.086,8382	709.086,4405	709.085,8388	709.084,3076
N:		7.089.460,9743	7.089.460,9075	7.089.460,9071	7.089.460,7719	7.089.460,6367	7.089.460,6232	7.089.460,6029	7.089.460,5511
Station: 31+0									
Dist. Eixo (m):		-5,989	-4,010	-4,000	0,000	4,000	4,398	5,000	6,232
Cota Camada 1 (m)				11,437	11,357	11,277			
Cota Camada 3 (m)				11,357	11,277	11,197			
Cota Camada 6 (m)				11,317	11,237	11,157			
Cota Camada 7 (m)				11,197	11,117	11,037			
Cota (m):		10,967	10,927	11,047	10,967	10,887	10,879	11,257	10,436
E:		709.097,1595	709.095,1817	709.095,1717	709.091,1740	709.087,1763	709.086,7786	709.086,1769	709.084,9454
N:		7.089.450,9801	7.089.450,9132	7.089.450,9128	7.089.450,7776	7.089.450,6424	7.089.450,6289	7.089.450,6086	7.089.450,5669
Station: 31+10									
Dist. Eixo (m):		-5,992	-4,010	-4,000	0,000	4,000	4,398	5,000	6,005
Cota Camada 1 (m)				11,390	11,310	11,230			
Cota Camada 3 (m)				11,310	11,230	11,150			
Cota Camada 6 (m)				11,270	11,190	11,110			
Cota Camada 7 (m)				11,150	11,070	10,990			
Cota (m):		10,919	10,880	11,000	10,920	10,840	10,832	11,210	10,540
E:		709.097,5006	709.095,5198	709.095,5098	709.091,5121	709.087,5144	709.087,1166	709.086,5149	709.085,5108
N:		7.089.440,9859	7.089.440,9189	7.089.440,9186	7.089.440,7833	7.089.440,6481	7.089.440,6346	7.089.440,6143	7.089.440,5803
Station: 32+0									
Dist. Eixo (m):		-5,995	-4,010	-4,000	0,000	4,000	4,398	5,000	5,872
Cota Camada 1 (m)				11,351	11,271	11,191			
Cota Camada 3 (m)				11,271	11,191	11,111			
Cota Camada 6 (m)				11,231	11,151	11,071			
Cota Camada 7 (m)				11,111	11,031	10,951			
Cota (m):		10,881	10,841	10,961	10,881	10,801	10,793	11,171	10,590
E:		709.097,8417	709.095,8579	709.095,8479	709.091,8502	709.087,8524	709.087,4547	709.086,8530	709.085,9811
N:		7.089.430,9917	7.089.430,9246	7.089.430,9243	7.089.430,7890	7.089.430,6538	7.089.430,6404	7.089.430,6200	7.089.430,5905
Station: 32+10									
Dist. Eixo (m):		-6,197	-5,998	-4,010	0,000	4,000	4,398	5,000	5,887
Cota Camada 1 (m)				11,322	11,242	11,162			
Cota Camada 3 (m)				11,242	11,162	11,082			
Cota Camada 6 (m)				11,202	11,122	11,042			
Cota Camada 7 (m)				11,082	11,002	10,922			
Cota (m):		11,380	10,852	10,812	10,932	10,772	10,764	11,142	10,551
E:		709.098,3814	709.098,1831	709.096,1959	709.092,1882	709.088,1905	709.087,7928	709.087,1911	709.086,3050
N:		7.089.421,0043	7.089.420,9975	7.089.420,9303	7.089.420,7948	7.089.420,6595	7.089.420,6461	7.089.420,6257	7.089.420,5957
Station: 33+0									
Dist. Eixo (m):		-6,338	-6,001	-4,010	0,000	4,000	4,398	5,000	6,008
Cota Camada 1 (m)				11,302	11,222	11,142			
Cota Camada 3 (m)				11,222	11,142	11,062			
Cota Camada 6 (m)				11,182	11,102	11,022			
Cota Camada 7 (m)				11,062	10,982	10,902			
Cota (m):		11,267	10,832	10,792	10,912	10,752	10,744	11,122	10,450
E:		709.098,8607	709.098,5242	709.096,5340	709.092,5263	709.088,5286	709.088,1309	709.087,5292	709.086,5214
N:		7.089.411,0147	7.089.411,0034	7.089.410,9360	7.089.410,8005	7.089.410,6652	7.089.410,6518	7.089.410,6314	7.089.410,5973
Station: 33+10									
Dist. Eixo (m):				-4,000	0,000	4,000	4,908	5,000	6,116
Cota Camada 1 (m)				11,291	11,211	11,131			
Cota Camada 3 (m)				11,211	11,131	11,051			
Cota Camada 6 (m)				11,171	11,091	11,011			
Cota Camada 7 (m)				11,051	10,971	10,891			
Cota Camada 8 (m)				10,901	10,821	10,741			
Cota (m):				10,401	10,321	10,241	10,223	11,111	10,367
E:				709.096,8621	709.092,8644	709.088,8667	709.087,9590	709.087,8673	709.086,7520
N:				7.089.400,9414	7.089.400,8062	7.089.400,6710	7.089.400,6403	7.089.400,6371	7.089.400,5994
Station: 34+0									
Dist. Eixo (m):				-4,000	0,000	4,000	4,908	5,000	6,251
Cota Camada 1 (m)				11,290	11,210	11,130			
Cota Camada 3 (m)				11,210	11,130	11,050			
Cota Camada 6 (m)				11,170	11,090	11,010			
Cota Camada 7 (m)				11,050	10,970	10,890			
Cota Camada 8 (m)				10,900	10,820	10,740			
Cota (m):				10,400	10,320	10,240	10,221	11,110	10,276
E:				709.097,2002	709.093,2025	709.089,2048	709.088,2971	709.088,2053	709.086,9555
N:				7.089.390,9471	7.089.390,8119	7.089.390,6767	7.089.390,6460	7.089.390,6429	7.089.390,6006

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Station: 34+10									
Dist. Eixo (m):	-6,253	-6,000	-4,873	-4,000	0,000	4,000	4,908	5,000	6,412
Cota Camada 1 (m)				11,297	11,217	11,137			
Cota Camada 3 (m)				11,217	11,137	11,057			
Cota Camada 6 (m)				11,177	11,097	11,017			
Cota Camada 7 (m)				11,057	10,977	10,897			
Cota Camada 8 (m)				10,907	10,827	10,747			
Cota (m):	11,318	10,827	10,804	10,407	10,327	10,247	10,229	11,117	10,175
E:	709.099,7899	709.099,5373	709.098,4105	709.097,5383	709.093,5406	709.089,5428	709.088,6352	709.088,5434	709.087,1318
N:	7.089.381,0290	7.089.381,0205	7.089.380,9824	7.089.380,9529	7.089.380,8176	7.089.380,6824	7.089.380,6517	7.089.380,6486	7.089.380,6008

Station: 35+0									
Dist. Eixo (m):	-6,300	-6,000	-4,873	-4,000	0,000	4,000	4,908	5,000	6,601
Cota Camada 1 (m)				11,314	11,234	11,154			
Cota Camada 3 (m)				11,234	11,154	11,074			
Cota Camada 6 (m)				11,194	11,114	11,034			
Cota Camada 7 (m)				11,074	10,994	10,914			
Cota Camada 8 (m)				10,924	10,844	10,764			
Cota (m):	11,304	10,844	10,821	10,424	10,344	10,264	10,245	11,134	10,066
E:	709.100,1745	709.099,8754	709.098,7486	709.097,8764	709.093,8786	709.089,8809	709.088,9733	709.088,8815	709.087,2811
N:	7.089.371,0363	7.089.371,0262	7.089.370,9881	7.089.370,9586	7.089.370,8233	7.089.370,6881	7.089.370,6574	7.089.370,6543	7.089.370,6002

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	TAL PAV	CANTEIRO	OFFSET
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Station: 35+10									
Dist. Eixo (m):	-6,364	-6,000	-4,873	-4,000	0,000	4,000	4,908	5,000	6,817
Cota Camada 1 (m)				11,339	11,259	11,179			
Cota Camada 3 (m)				11,259	11,179	11,099			
Cota Camada 6 (m)				11,219	11,139	11,059			
Cota Camada 7 (m)				11,099	11,019	10,939			
Cota Camada 8 (m)				10,949	10,869	10,789			
Cota (m):	11,286	10,870	10,847	10,449	10,369	10,289	10,271	11,159	9,948
E:	709.100,5773	709.100,2135	709.099,0867	709.098,2144	709.094,2167	709.090,2190	709.089,3114	709.089,2196	709.087,4033
N:	7.089.361,0442	7.089.361,0319	7.089.360,9938	7.089.360,9643	7.089.360,8291	7.089.360,6938	7.089.360,6631	7.089.360,6600	7.089.360,5986

Station: 36+0									
Dist. Eixo (m):	-6,410	-6,000	-4,873	-4,000	0,000	4,000	4,908	5,000	7,061
Cota Camada 1 (m)				11,374	11,294	11,214			
Cota Camada 3 (m)				11,294	11,214	11,134			
Cota Camada 6 (m)				11,254	11,174	11,094			
Cota Camada 7 (m)				11,134	11,054	10,974			
Cota Camada 8 (m)				10,984	10,904	10,824			
Cota (m):	11,290	10,905	10,882	10,484	10,404	10,324	10,306	11,194	9,821
E:	709.100,9616	709.100,5516	709.099,4248	709.098,5525	709.094,5548	709.090,5571	709.089,6494	709.089,5577	709.087,4983
N:	7.089.351,0515	7.089.351,0376	7.089.350,9995	7.089.350,9700	7.089.350,8348	7.089.350,6995	7.089.350,6688	7.089.350,6657	7.089.350,5961

Station: 36+10									
Dist. Eixo (m):	-6,410	-6,000	-4,873	-4,000	0,000	4,000	4,908	5,000	7,321
Cota Camada 1 (m)				11,414	11,334	11,254			
Cota Camada 3 (m)				11,334	11,254	11,174			
Cota Camada 6 (m)				11,294	11,214	11,134			
Cota Camada 7 (m)				11,174	11,094	11,014			
Cota Camada 8 (m)				11,024	10,944	10,864			
Cota (m):	11,330	10,944	10,921	10,524	10,444	10,364	10,346	11,234	9,686
E:	709.101,2988	709.100,8896	709.099,7628	709.098,8906	709.094,8929	709.090,8952	709.089,9875	709.089,8957	709.087,5758
N:	7.089.341,0572	7.089.341,0433	7.089.341,0052	7.089.340,9757	7.089.340,8405	7.089.340,7053	7.089.340,6746	7.089.340,6714	7.089.340,5930

Station: 37+0									
Dist. Eixo (m):	-6,388	-6,000	-4,873	-4,000	0,000	4,000	4,908	5,000	9,030
Cota Camada 1 (m)				11,453	11,373	11,293			
Cota Camada 3 (m)				11,373	11,293	11,213			
Cota Camada 6 (m)				11,333	11,253	11,173			
Cota Camada 7 (m)				11,213	11,133	11,053			
Cota Camada 8 (m)				11,063	10,983	10,903			
Cota (m):	11,385	10,983	10,960	10,563	10,483	10,403	10,385	11,273	8,586
E:	709.101,6150	709.101,2277	709.100,1009	709.099,2287	709.095,2310	709.091,2332	709.090,3256	709.090,2338	709.086,2056
N:	7.089.331,0622	7.089.331,0491	7.089.331,0109	7.089.330,9814	7.089.330,8462	7.089.330,7110	7.089.330,6803	7.089.330,6772	7.089.330,5409

Station: 37+10									
Dist. Eixo (m):	-6,372	-6,000	-4,873	-4,000	0,000	4,000	4,908	5,000	9,029
Cota Camada 1 (m)				11,493	11,413	11,333			
Cota Camada 3 (m)				11,413	11,333	11,253			
Cota Camada 6 (m)				11,373	11,293	11,213			
Cota Camada 7 (m)				11,253	11,173	11,093			
Cota Camada 8 (m)				11,103	11,023	10,943			
Cota (m):	11,435	11,023	11,000	10,603	10,523	10,443	10,425	11,313	8,627
E:	709.101,9372	709.101,5658	709.100,4390	709.099,5667	709.095,5690	709.091,5713	709.090,6637	709.090,5719	709.086,5454

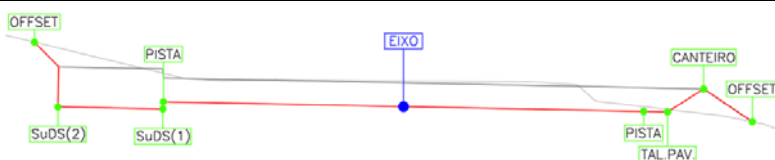
PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA DOUTOR MAURO MOURA

N:	7.089.321,0673	7.089.321,0548	7.089.321,0167	7.089.320,9872	7.089.320,8519	7.089.320,7167	7.089.320,6860	7.089.320,6829	7.089.320,5467
Station: 38+0									
Dist. Eixo (m):	-6,367	-6,000	-4,873	-4,000	0,000	4,000	4,908	5,000	9,027
Cota Camada 1 (m)				11,532	11,452	11,372			
Cota Camada 3 (m)				11,452	11,372	11,292			
Cota Camada 6 (m)				11,412	11,332	11,252			
Cota Camada 7 (m)				11,292	11,212	11,132			
Cota Camada 8 (m)				11,142	11,062	10,982			
Cota (m):	11,477	11,062	11,039	10,642	10,562	10,482	10,464	11,352	8,667
E:	709.102,2705	709.101,9039	709.100,7771	709.099,9048	709.095,9071	709.091,9094	709.091,0018	709.090,9100	709.086,8852
N:	7.089.311,0729	7.089.311,0605	7.089.311,0224	7.089.310,9929	7.089.310,8576	7.089.310,7224	7.089.310,6917	7.089.310,6886	7.089.310,5525
Station: 38+10									
Dist. Eixo (m):	-6,316	-6,000	-4,873	-4,000	0,000	4,000	4,908	5,000	9,025
Cota Camada 1 (m)				11,572	11,492	11,412			
Cota Camada 3 (m)				11,492	11,412	11,332			
Cota Camada 6 (m)				11,452	11,372	11,292			
Cota Camada 7 (m)				11,332	11,252	11,172			
Cota Camada 8 (m)				11,182	11,102	11,022			
Cota (m):	11,551	11,102	11,079	10,682	10,602	10,522	10,503	11,392	8,708
E:	709.102,5571	709.102,2420	709.101,1152	709.100,2429	709.096,2452	709.092,2475	709.091,3398	709.091,2481	709.087,2250
N:	7.089.301,0769	7.089.301,0662	7.089.301,0281	7.089.300,9986	7.089.300,8634	7.089.300,7281	7.089.300,6974	7.089.300,6943	7.089.300,5582
Station: 39+0									
Dist. Eixo (m):	-6,264	-6,000	-4,873	-4,000	0,000	4,000	4,908	5,000	8,868
Cota Camada 1 (m)				11,611	11,531	11,451			
Cota Camada 3 (m)				11,531	11,451	11,371			
Cota Camada 6 (m)				11,491	11,411	11,331			
Cota Camada 7 (m)				11,371	11,291	11,211			
Cota Camada 8 (m)				11,221	11,141	11,061			
Cota (m):	11,625	11,141	11,118	10,721	10,641	10,561	10,543	11,431	8,852
E:	709.102,8434	709.102,5800	709.101,4532	709.100,5810	709.096,5833	709.092,5856	709.091,6779	709.091,5861	709.087,7202
N:	7.089.291,0808	7.089.291,0719	7.089.291,0338	7.089.291,0043	7.089.290,8691	7.089.290,7338	7.089.290,7031	7.089.290,7000	7.089.290,5693
Station: 39+10									
Dist. Eixo (m):	-6,212	-6,000	-4,873	-4,000	0,000	4,000	4,908	5,000	8,685
Cota Camada 1 (m)				11,651	11,571	11,491			
Cota Camada 3 (m)				11,571	11,491	11,411			
Cota Camada 6 (m)				11,531	11,451	11,371			
Cota Camada 7 (m)				11,411	11,331	11,251			
Cota Camada 8 (m)				11,261	11,181	11,101			
Cota (m):	11,699	11,181	11,158	10,761	10,681	10,601	10,582	11,471	9,014
E:	709.103,1296	709.102,9181	709.101,7913	709.100,9191	709.096,9214	709.092,9236	709.092,0160	709.091,9242	709.088,2413
N:	7.089.281,0848	7.089.281,0776	7.089.281,0395	7.089.281,0100	7.089.280,8748	7.089.280,7396	7.089.280,7089	7.089.280,7057	7.089.280,5812
Station: 40+0									
Dist. Eixo (m):	-6,135	-6,000	-4,873	-4,000	0,000	4,000	4,908	5,000	8,502
Cota Camada 1 (m)				11,690	11,610	11,530			
Cota Camada 3 (m)				11,610	11,530	11,450			
Cota Camada 6 (m)				11,570	11,490	11,410			
Cota Camada 7 (m)				11,450	11,370	11,290			
Cota Camada 8 (m)				11,300	11,220	11,140			
Cota (m):	11,790	11,220	11,197	10,800	10,720	10,640	10,622	11,510	9,176
E:	709.103,3905	709.103,2562	709.102,1294	709.101,2571	709.097,2594	709.093,2617	709.092,3541	709.092,2623	709.088,7625
N:	7.089.271,0879	7.089.271,0834	7.089.271,0452	7.089.271,0157	7.089.270,8805	7.089.270,7453	7.089.270,7146	7.089.270,7115	7.089.270,5931
Station: 40+10									
Dist. Eixo (m):	-6,185	-6,000	-4,873	-4,000	0,000	4,000	4,908	5,000	8,319
Cota Camada 1 (m)				11,730	11,650	11,570			
Cota Camada 3 (m)				11,650	11,570	11,490			
Cota Camada 6 (m)				11,610	11,530	11,450			
Cota Camada 7 (m)				11,490	11,410	11,330			
Cota Camada 8 (m)				11,340	11,260	11,180			
Cota (m):	11,796	11,260	11,237	10,840	10,760	10,680	10,661	11,550	9,337
E:	709.103,7789	709.103,5943	709.102,4675	709.101,5952	709.097,5975	709.093,5998	709.092,6922	709.092,6004	709.089,2837
N:	7.089.261,0953	7.089.261,0891	7.089.261,0510	7.089.261,0215	7.089.260,8862	7.089.260,7510	7.089.260,7203	7.089.260,7172	7.089.260,6050
Station: 41+0									
Dist. Eixo (m):	-6,141	-6,000	-4,873	-4,000	0,000	4,000	4,908	5,000	8,203
Cota Camada 1 (m)				11,769	11,689	11,609			
Cota Camada 3 (m)				11,689	11,609	11,529			
Cota Camada 6 (m)				11,649	11,569	11,489			
Cota Camada 7 (m)				11,529	11,449	11,369			
Cota Camada 8 (m)				11,379	11,299	11,219			
Cota (m):	11,865	11,299	11,276	10,879	10,799	10,719	10,701	11,589	9,454
E:	709.104,0730	709.103,9324	709.102,8056	709.101,9333	709.097,9356	709.093,9379	709.093,0302	709.092,9384	709.089,7370
N:	7.089.251,0995	7.089.251,0948	7.089.251,0567	7.089.251,0272	7.089.250,8919	7.089.250,7567	7.089.250,7260	7.089.250,7229	7.089.250,6146

PREFEITURA MUNICIPAL DE JOINVILLE
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Station: 41+10									
Dist. Eixo (m):	-6,097	-6,000	-4,873	-4,000	0,000	4,000	4,908	5,000	8,266
Cota Camada 1 (m)				11,808	11,728	11,648			
Cota Camada 3 (m)				11,728	11,648	11,568			
Cota Camada 6 (m)				11,688	11,608	11,528			
Cota Camada 7 (m)				11,568	11,488	11,408			
Cota Camada 8 (m)				11,418	11,338	11,258			
Cota (m):	11,934	11,339	11,316	10,918	10,838	10,758	10,740	11,628	9,451
E:	709.104,3671	709.104,2704	709.103,1436	709.102,2714	709.098,2737	709.094,2760	709.093,3683	709.093,2765	709.090,0126
N:	7.089.241,1038	7.089.241,1005	7.089.241,0624	7.089.241,0329	7.089.240,8977	7.089.240,7624	7.089.240,7317	7.089.240,7286	7.089.240,6182

Desenho Esquemático:



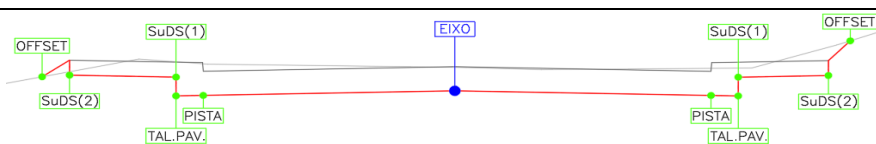
PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	TAL. PAV	CANTEIRO	OFFSET
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Station: 42+0									
Dist. Eixo (m):	-5,246	-5,200	-4,873	-4,000	0,000	4,000	4,908	5,000	8,324
Cota Camada 1 (m)				11,848	11,768	11,688			
Cota Camada 3 (m)				11,768	11,688	11,608			
Cota Camada 6 (m)				11,728	11,648	11,568			
Cota Camada 7 (m)				11,608	11,528	11,448			
Cota Camada 8 (m)				11,458	11,378	11,298			
Cota (m):	12,068	11,362	11,355	10,958	10,878	10,798	10,780	11,668	9,452
E:	709.103,8551	709.103,8090	709.103,4817	709.102,6095	709.098,6117	709.094,6140	709.093,7064	709.093,6146	709.090,2922
N:	7.089.231,0807	7.089.231,0792	7.089.231,0681	7.089.231,0386	7.089.230,9034	7.089.230,7681	7.089.230,7374	7.089.230,7343	7.089.230,6219

Station: 42+4									
Dist. Eixo (m):	-5,442	-5,200	-4,873	-4,000	0,000	4,000	4,908	5,000	8,350
Cota Camada 1 (m)				11,865	11,785	11,705			
Cota Camada 3 (m)				11,785	11,705	11,625			
Cota Camada 6 (m)				11,745	11,665	11,585			
Cota Camada 7 (m)				11,625	11,545	11,465			
Cota Camada 8 (m)				11,475	11,395	11,315			
Cota (m):	11,878	11,379	11,372	10,975	10,895	10,815	10,797	11,685	9,452
E:	709.104,1963	709.103,9551	709.103,6279	709.102,7556	709.098,7579	709.094,7602	709.093,8526	709.093,7608	709.090,4131
N:	7.089.226,7664	7.089.226,7582	7.089.226,7471	7.089.226,7176	7.089.226,5824	7.089.226,4472	7.089.226,4165	7.089.226,4134	7.089.226,3001

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA EDSON A. DA SILVA

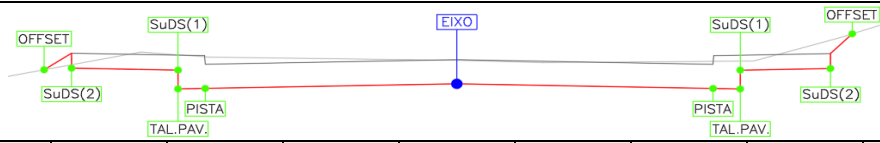
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 0+10											
Dist.eixo (m)	-6,075	-5,894	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,825	5,878
Cota Camada 1 (m)					10,600	10,680	10,600				
Cota Camada 3 (m)					10,520	10,600	10,520				
Cota Camada 6 (m)					10,480	10,560	10,480				
Cota Camada 7 (m)					10,360	10,440	10,360				
Cota (m)	10,968	10,787	10,497	10,202	10,210	10,290	10,210	10,202	10,497	10,526	10,839
E	709,957.9606	709,957.7797	709,956.2856	709,956.2856	709,955.8878	709,951.8911	709,947.8945	709,947.4969	709,947.4969	709,946.0714	709,946.0181
N	7,089,212.5146	7,089,212.5072	7,089,212.4458	7,089,212.4458	7,089,212.4294	7,089,212.2652	7,089,212.1009	7,089,212.0846	7,089,212.0846	7,089,212.0260	7,089,212.0238
Station: 1+0											
Dist.eixo (m)	-6,118	-5,846	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,838	5,859
Cota Camada 1 (m)					10,628	10,708	10,628				
Cota Camada 3 (m)					10,548	10,628	10,548				
Cota Camada 6 (m)					10,508	10,588	10,508				
Cota Camada 7 (m)					10,388	10,468	10,388				
Cota (m)	11,087	10,815	10,526	10,230	10,238	10,318	10,238	10,230	10,526	10,555	10,836
E	709,958.4143	709,958.1426	709,956.6962	709,956.6962	709,956.2984	709,952.3017	709,948.3051	709,947.9075	709,947.9075	709,946.4691	709,946.4477
N	7,089,202.5248	7,089,202.5136	7,089,202.4542	7,089,202.4542	7,089,202.4378	7,089,202.2736	7,089,202.1094	7,089,202.0930	7,089,202.0930	7,089,202.0339	7,089,202.0330
Station: 1+10											
Dist.eixo (m)	-6,140	-5,856	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,951	6,000
Cota Camada 1 (m)					10,657	10,737	10,657				
Cota Camada 3 (m)					10,577	10,657	10,577				
Cota Camada 6 (m)					10,537	10,617	10,537				
Cota Camada 7 (m)					10,417	10,497	10,417				
Cota (m)	11,128	10,844	10,554	10,259	10,267	10,347	10,267	10,259	10,554	10,585	10,813
E	709,958.8474	709,958.5630	709,957.1068	709,957.1068	709,956.7090	709,952.7123	709,948.7157	709,948.3181	709,948.3181	709,946.7660	709,946.7172
N	7,089,192.5342	7,089,192.5225	7,089,192.4626	7,089,192.4626	7,089,192.4463	7,089,192.2820	7,089,192.1178	7,089,192.1015	7,089,192.1015	7,089,192.0377	7,089,192.0357
Station: 2+0											
Dist.eixo (m)	-6,069	-5,932	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,979	6,163
Cota Camada 1 (m)					10,685	10,765	10,685				
Cota Camada 3 (m)					10,605	10,685	10,605				
Cota Camada 6 (m)					10,565	10,645	10,565				
Cota Camada 7 (m)					10,445	10,525	10,445				
Cota (m)	11,011	10,874	10,583	10,287	10,295	10,375	10,295	10,287	10,583	10,615	10,752
E	709,959.1869	709,959.0502	709,957.5174	709,957.5174	709,957.1196	709,953.1229	709,949.1263	709,948.7287	709,948.7287	709,947.1487	709,946.9648
N	7,089,182.5397	7,089,182.5341	7,089,182.4711	7,089,182.4711	7,089,182.4547	7,089,182.2905	7,089,182.1262	7,089,182.1099	7,089,182.1099	7,089,182.0450	7,089,182.0374
Station: 2+2											
Dist.eixo (m)	-6,006	-5,900	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,984	6,198
Cota Camada 1 (m)					10,691	10,771	10,691				
Cota Camada 3 (m)					10,611	10,691	10,611				
Cota Camada 6 (m)					10,571	10,651	10,571				
Cota Camada 7 (m)					10,451	10,531	10,451				
Cota (m)	10,985	10,879	10,589	10,293	10,301	10,381	10,301	10,293	10,589	10,621	10,739
E	709,959.2130	709,959.1074	709,957.6066	709,957.6066	709,957.2087	709,953.2121	709,949.2155	709,948.8179	709,948.8179	709,947.2328	709,947.0196
N	7,089,180.3672	7,089,180.3629	7,089,180.3012	7,089,180.3012	7,089,180.2848	7,089,180.1206	7,089,179.9564	7,089,179.9400	7,089,179.9400	7,089,179.8749	7,089,179.8661
Station: 2+10											
Dist.eixo (m)	-5,863	-5,840	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,822	6,025
Cota Camada 1 (m)					10,714	10,794	10,714				
Cota Camada 3 (m)					10,634	10,714	10,634				
Cota Camada 6 (m)					10,594	10,674	10,594				
Cota Camada 7 (m)					10,474	10,554	10,474				
Cota (m)	10,924	10,900	10,611	10,316	10,324	10,404	10,324	10,316	10,611	10,640	10,764
E	709,959.3652	709,959.3416	709,957.9010	709,957.9010	709,957.5031	709,953.5059	709,949.5088	709,949.1111	709,949.1111	709,947.6884	709,947.4851
N	7,089,172.5179	7,089,172.5170	7,089,172.4629	7,089,172.4629	7,089,172.4480	7,089,172.2978	7,089,172.1477	7,089,172.1327	7,089,172.1327	7,089,172.0793	7,089,172.0716
Station: 3+0											
Dist.eixo (m)	-5,845	-5,798	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,861	5,990
Cota Camada 1 (m)					10,742	10,822	10,742				
Cota Camada 3 (m)					10,662	10,742	10,662				
Cota Camada 6 (m)					10,622	10,702	10,622				
Cota Camada 7 (m)					10,502	10,582	10,502				
Cota (m)	10,976	10,928	10,640	10,344	10,352	10,432	10,352	10,344	10,640	10,669	10,843
E	709,959.7227	709,959.6749	709,958.2764	709,958.2764	709,957.8785	709,953.8813	709,949.8842	709,949.4865	709,949.4865	709,948.0245	709,947.8956
N	7,089,162.5243	7,089,162.5225	7,089,162.4700	7,089,162.4700	7,089,162.4550	7,089,162.3049	7,089,162.1547	7,089,162.1398	7,089,162.1398	7,089,162.0849	7,089,162.0800
Station: 3+10											
Dist.eixo (m)	-5,909	-5,879	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,979	6,048
Cota Camada 1 (m)					10,771	10,851	10,771				
Cota Camada 3 (m)					10,691	10,771	10,691				
Cota Camada 6 (m)					10,651	10,731	10,651				
Cota Camada 7 (m)					10,531	10,611	10,531				
Cota (m)	10,989	10,958	10,669	10,373	10,381	10,461	10,381	10,373	10,668	10,700	10,914
E	709,960.1619	709,960.1316	709,958.6518	709,958.6518	709,958.2539	709,954.2567	709,950.2596	709,949.8619	709,949.8619	709,948.2824	709,948.2129
N	7,089,152.5338	7,089,152.5326	7,089,152.4770	7,089,152.4770	7,089,152.4621	7,089,152.3119	7,089,152.1618	7,089,152.1468	7,089,152.1468	7,089,152.0875	7,089,152.0849
Station: 4+0											
Dist.eixo (m)	-6,020	-5,950	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,949	5,992
Cota Camada 1 (m)					10,799	10,879	10,799				
Cota Camada 3 (m)					10,719	10,799	10,719				
Cota Camada 6 (m)					10,679	10,759	10,679				
Cota Camada 7 (m)					10,559	10,639	10,559				
Cota (m)	10,941	10,988	10,697	10,401	10,409	10,489	10,409	10,401	10,697	10,728	10,960
E	709,960.6483	709,960.5775	709,959.0272	709,959.0272	709,958.6293	709,954.6321	709,950.6349	709,950.2373	709,950.2373	709,948.6869	709,948.6443
N	7,089,142.5450	7,089,142.5423	7,089,142.4841	7,089,142.4841	7,089,142.4691	7,089,142.3190	7,089,142.1688	7,089,142.1539	7,089,142.1539	7,089,142.0956	7,089,142.0940

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA EDSON A. DA SILVA

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 4+10											
Dist.eixo (m)	-6,090	-5,902	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,163	6,291
Cota Camada 1 (m)					10,734	10,814	10,734				
Cota Camada 3 (m)					10,654	10,734	10,654				
Cota Camada 6 (m)					10,614	10,694	10,614				
Cota Camada 7 (m)					10,494	10,574	10,494				
Cota (m)	10,797	10,922	10,632	10,336	10,344	10,424	10,344	10,337	10,633	10,668	10,842
E	709,961.0933	709,960.9058	709,959.4026	709,959.4026	709,959.0047	709,955.0075	709,951.0103	709,950.6127	709,950.6127	709,948.8491	709,948.7213
N	7,089,132.5546	7,089,132.5476	7,089,132.4911	7,089,132.4911	7,089,132.4762	7,089,132.3260	7,089,132.1759	7,089,132.1609	7,089,132.1609	7,089,132.0947	7,089,132.0899
Station: 5+0											
Dist.eixo (m)	-6,098	-5,934	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,111	6,217
Cota Camada 1 (m)					10,552	10,632	10,552				
Cota Camada 3 (m)					10,472	10,552	10,472				
Cota Camada 6 (m)					10,432	10,512	10,432				
Cota Camada 7 (m)					10,312	10,392	10,312				
Cota (m)	10,631	10,741	10,450	10,154	10,162	10,242	10,162	10,154	10,450	10,484	10,674
E	709,961.4766	709,961.3129	709,959.7780	709,959.7780	709,959.3801	709,955.3829	709,951.3857	709,950.9881	709,950.9881	709,949.2760	709,949.1705
N	7,089,122.5620	7,089,122.5558	7,089,122.4982	7,089,122.4982	7,089,122.4832	7,089,122.3331	7,089,122.1829	7,089,122.1680	7,089,122.1680	7,089,122.1037	7,089,122.0997
Station: 5+10											
Dist.eixo (m)	-5,982	-5,970	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,051	6,300
Cota Camada 1 (m)					10,370	10,450	10,370				
Cota Camada 3 (m)					10,290	10,370	10,290				
Cota Camada 6 (m)					10,250	10,330	10,250				
Cota Camada 7 (m)					10,130	10,210	10,130				
Cota (m)	10,572	10,559	10,268	9,972	9,980	10,060	9,980	9,972	10,268	10,301	10,395
E	709,961.7364	709,961.7240	709,960.1534	709,960.1534	709,959.7555	709,955.7583	709,951.7611	709,951.3634	709,951.3634	709,949.7115	709,949.4632
N	7,089,112.5647	7,089,112.5642	7,089,112.5052	7,089,112.5052	7,089,112.4903	7,089,112.3401	7,089,112.1900	7,089,112.1750	7,089,112.1750	7,089,112.1130	7,089,112.1036
Station: 5+18											
Dist.eixo (m)	-6,139	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,000	6,247
Cota Camada 1 (m)					10,215	10,295	10,215				
Cota Camada 3 (m)					10,135	10,215	10,135				
Cota Camada 6 (m)					10,095	10,175	10,095				
Cota Camada 7 (m)					9,975	10,055	9,975				
Cota (m)	10,544	10,405	10,113	9,817	9,825	9,905	9,825	9,817	10,113	10,145	10,240
E	709,962.2119	709,962.0728	709,960.4718	709,960.4718	709,960.0740	709,956.0768	709,952.0796	709,951.6819	709,951.6819	709,950.0810	709,949.8338
N	7,089,104.0926	7,089,104.0873	7,089,104.0272	7,089,104.0272	7,089,104.0122	7,089,103.8621	7,089,103.7119	7,089,103.6970	7,089,103.6970	7,089,103.6369	7,089,103.6276

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA ERNESTO HANCH

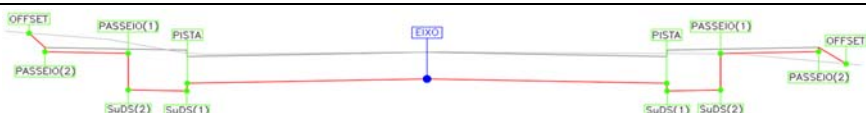
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 0+0													
Dist. Eixo (m):		-13,400	-10,787	-10,787	-9,797	-9,787	0,000	10,279	10,289	11,279			
Cota Camada 1 (m)						11,160	10,991	11,004					
Cota Camada 3 (m)						11,080	10,911	10,924					
Cota Camada 6 (m)						11,040	10,871	10,884					
Cota Camada 7 (m)						10,920	10,751	10,764					
Cota (m):		11,382	11,230	10,580	10,560	10,770	10,601	10,614	10,404	10,424			
E:		709.668,2649	709.678,3447	709.668,3447	709.668,3749	709.668,3752	709.668,6742	709.668,9881	709.668,9884	709.669,0187			
N:		7.089.806,8877	7.089.804,2754	7.089.804,2754	7.089.803,2856	7.089.803,2756	7.089.793,4935	7.089.783,2197	7.089.783,2097	7.089.782,2202			
Station: 0+10													
Dist. Eixo (m):		-7,916	-5,989	-5,989	-4,999	-4,989	0,000	5,011	5,021	6,011	6,011	7,951	
Cota Camada 1 (m)						10,865	10,964	10,864					
Cota Camada 3 (m)						10,785	10,884	10,784					
Cota Camada 6 (m)						10,745	10,844	10,744					
Cota Camada 7 (m)						10,625	10,724	10,624					
Cota (m):		10,973	10,934	10,285	10,265	10,475	10,574	10,474	10,264	10,284	10,934	10,973	
E:		709.678,4277	709.678,4866	709.678,4866	709.678,5168	709.678,5171	709.678,6695	709.678,8226	709.678,8229	709.678,8531	709.678,8531	709.678,9124	
N:		7.089.801,7109	7.089.799,7855	7.089.799,7855	7.089.798,7958	7.089.798,7858	7.089.793,7990	7.089.788,7904	7.089.788,7804	7.089.787,7909	7.089.787,7909	7.089.785,8521	
Station: 1+0													
Dist. Eixo (m):		-7,858	-6,019	-6,019	-5,029	-5,019	0,000	4,981	4,991	5,981	5,981	7,936	
Cota Camada 1 (m)						10,837	10,937	10,838					
Cota Camada 3 (m)						10,757	10,857	10,758					
Cota Camada 6 (m)						10,717	10,817	10,718					
Cota Camada 7 (m)						10,597	10,697	10,598					
Cota (m):		10,944	10,907	10,257	10,237	10,447	10,547	10,448	10,238	10,258	10,908	10,947	
E:		709.668,4248	709.668,4810	709.668,4810	709.668,5112	709.668,5115	709.668,6648	709.668,8170	709.668,8173	709.668,8476	709.668,8476	709.668,9073	
N:		7.089.802,9587	7.089.800,1204	7.089.800,1204	7.089.799,1306	7.089.799,1206	7.089.793,1044	7.089.789,1253	7.089.789,1153	7.089.788,1257	7.089.788,1257	7.089.786,1722	
Station: 1+10													
Dist. Eixo (m):		-7,937	-6,048	-6,048	-5,058	-5,048	0,000	4,952	4,962	5,952	5,952	8,104	
Cota Camada 1 (m)						10,809	10,910	10,811					
Cota Camada 3 (m)						10,729	10,830	10,731					
Cota Camada 6 (m)						10,689	10,790	10,691					
Cota Camada 7 (m)						10,569	10,670	10,571					
Cota (m):		10,917	10,879	10,229	10,209	10,419	10,520	10,421	10,211	10,231	10,881	10,924	
E:		709.698,4178	709.698,4754	709.698,4754	709.698,5057	709.698,5060	709.698,6602	709.698,8114	709.698,8117	709.698,8420	709.698,8420	709.698,9077	
N:		7.089.802,3427	7.089.800,4552	7.089.800,4552	7.089.799,4655	7.089.799,4555	7.089.794,4099	7.089.789,4601	7.089.789,4501	7.089.788,4606	7.089.788,4606	7.089.786,3093	
Station: 2+0													
Dist. Eixo (m):		-8,115	-6,078	-6,078	-5,087	-5,077	0,000	4,923	4,933	5,923	5,923	8,266	
Cota Camada 1 (m)						10,782	10,883	10,785					
Cota Camada 3 (m)						10,702	10,803	10,705					
Cota Camada 6 (m)						10,662	10,763	10,665					
Cota Camada 7 (m)						10,542	10,643	10,545					
Cota (m):		10,892	10,852	10,202	10,182	10,392	10,493	10,395	10,185	10,205	10,855	10,902	
E:		709.708,4076	709.708,4699	709.708,4699	709.708,5001	709.708,5004	709.708,6555	709.708,8059	709.708,8062	709.708,8364	709.708,8364	709.708,9080	
N:		7.089.802,8268	7.089.800,7901	7.089.800,7901	7.089.799,8003	7.089.799,7903	7.089.794,7153	7.089.789,7950	7.089.789,7850	7.089.788,7954	7.089.788,7954	7.089.786,4528	
Station: 2+10													
Dist. Eixo (m):		-7,973	-6,107	-6,107	-5,117	-5,107	0,000	4,893	4,903	5,893	5,893	8,390	
Cota Camada 1 (m)						10,754	10,857	10,759					
Cota Camada 3 (m)						10,674	10,777	10,679					
Cota Camada 6 (m)						10,634	10,737	10,639					
Cota Camada 7 (m)						10,514	10,617	10,519					
Cota (m):		10,862	10,824	10,174	10,154	10,364	10,467	10,369	10,159	10,178	10,828	10,878	
E:		709.718,4073	709.718,4643	709.718,4643	709.718,4945	709.718,4949	709.718,6508	709.718,8003	709.718,8006	709.718,8309	709.718,8309	709.718,9071	
N:		7.089.802,9898	7.089.801,1249	7.089.801,1249	7.089.800,1352	7.089.800,1252	7.089.795,0208	7.089.790,1298	7.089.790,1198	7.089.789,1303	7.089.789,1303	7.089.786,6342	
Station: 3+0													
Dist. Eixo (m):		-7,972	-6,136	-6,136	-5,146	-5,136	0,000	4,864	4,874	5,864	5,864	8,417	
Cota Camada 1 (m)						10,727	10,830	10,732					
Cota Camada 3 (m)						10,647	10,750	10,652					
Cota Camada 6 (m)						10,607	10,710	10,612					
Cota Camada 7 (m)						10,487	10,590	10,492					
Cota (m):		10,833	10,797	10,147	10,127	10,337	10,440	10,342	10,132	10,152	10,802	10,853	
E:		709.728,4027	709.728,4587	709.728,4587	709.728,4890	709.728,4893	709.728,6462	709.728,7947	709.728,7951	709.728,8253	709.728,8253	709.728,9033	
N:		7.089.803,2948	7.089.801,4598	7.089.801,4598	7.089.800,4700	7.089.800,4600	7.089.795,3262	7.089.790,4647	7.089.790,4547	7.089.789,4651	7.089.789,4651	7.089.786,9129	
Station: 3+10													
Dist. Eixo (m):		-8,029	-6,166	-6,166	-5,176	-5,166	0,000	4,834	4,844	5,834	5,834	8,336	
Cota Camada 1 (m)						10,699	10,803	10,706					
Cota Camada 3 (m)						10,619	10,723	10,626					
Cota Camada 6 (m)						10,579	10,683	10,586					
Cota Camada 7 (m)						10,459	10,563	10,466					
Cota (m):		10,806	10,769	10,119	10,099	10,309	10,413	10,316	10,106	10,126	10,776	10,826	
E:		709.738,3962	709.738,4532	709.738,4532	709.738,4834	709.738,4837	709.738,6415	709.738,7892	709.738,7895	709.738,8197	709.738,8197	709.738,8961	
N:		7.089.803,6574	7.089.801,7946	7.089.801,7946	7.089.800,8049	7.089.800,7949	7.089.795,6317	7.089.790,7995	7.089.790,7895	7.089.789,8000	7.089.789,8000	7.089.787,2996	
Station: 4+0													
Dist. Eixo (m):		-8,087	-6,195	-6,195	-5,205	-5,195	0,000	4,805	4,815	5,805	5,805	8,184	
Cota Camada 1 (m)						10,672	10,776	10,680					
Cota Camada 3 (m)						10,592	10,696	10,600					
Cota Camada 6 (m)						10,552	10,656	10,560					
Cota Camada 7 (m)						10,432	10,536	10,440					
Cota (m):		10,779	10,742	10,092	10,072	10,282	10,386	10,290	10,080	10,099	10,749	10,797	
E:		709.748,3898	709.748,4476	709.748,4476	709.748,4779	709.748,4782	709.748,6368	709.748,7836	709.748,7839	709.748,8142	709.748,8142	709.748,8868	
N:		7.089.804,0200	7.089.802,1295	7.089.802,1295	7.089.801,1397	7.089.801,1297	7.089.795,9372	7.089.791,1344	7.089.791,1244	7.089.790,1348	7.089.790,1348	7.089.787,7574	
Station: 4+10													
Dist. Eixo (m):		-8,144	-6,225	-6,225	-5,234	-5,224	0,000	4,776	4,786	5,776	5,776	7,977	
Cota Camada 1 (m)						10,644	10,749	10,653					
Cota Camada 3 (m)						10,564	10,669	10,573					
Cota Camada 6 (m)						10,524	10,629	10,533					
Cota Camada 7 (m)						10,404	10,509	10,413					
Cota (m):		10,752	10,714	10,064	10,044	10,254	10,359	10,263	10,053	10,073	10,723	10,767	
E:		709.758,3834	709.758,4420	709.758,4420	709.758,4723	709.758,4726	709.758,6322	709.758,7781	709.758,7784	709.758,8086	709.758,8086	709.758,8759	
N:		7.08											

PREFEITURA MUNICIPAL DE JOINVILLE
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NOTA DE SERVIÇO
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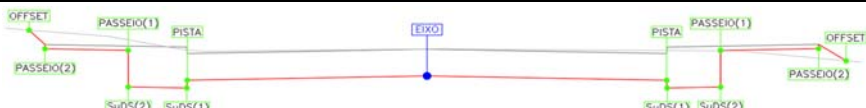
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 5+10													
Dist. Eixo (m):		-8,258	-6,283	-6,283	-5,293	-5,283	0,000	4,717	4,727	5,717	5,717	7,796	
Cota Camada 1 (m)						10,589	10,695	10,600					
Cota Camada 3 (m)						10,509	10,615	10,520					
Cota Camada 6 (m)						10,469	10,575	10,480					
Cota Camada 7 (m)						10,349	10,455	10,360					
Cota (m):		10,698	10,659	10,009	9,989	10,199	10,305	10,210	10,000	10,020	10,670	10,712	
E:		709.778.3706	709.778.4309	709.778.4309	709.778.4612	709.778.4615	709.778.6228	709.778.7669	709.778.7672	709.778.7975	709.778.7975	709.778.8610	
N:		7.089.805.1078	7.089.803.1340	7.089.803.1340	7.089.802.1443	7.089.802.1343	7.089.796.8535	7.089.792.1389	7.089.796.1289	7.089.791.1394	7.089.791.1394	7.089.789.0610	
Station: 6+0													
Dist. Eixo (m):		-8,318	-6,313	-6,313	-5,323	-5,313	0,000	4,687	4,697	5,687	5,687	7,706	
Cota Camada 1 (m)						10,558	10,664	10,570					
Cota Camada 3 (m)						10,478	10,584	10,490					
Cota Camada 6 (m)						10,438	10,544	10,450					
Cota Camada 7 (m)						10,318	10,424	10,330					
Cota (m):		10,668	10,628	9,978	9,958	10,168	10,274	10,180	9,970	9,990	10,641	10,681	
E:		709.788.3641	709.788.4254	709.788.4254	709.788.4556	709.788.4559	709.788.6182	709.788.7614	709.788.7617	709.788.7919	709.788.7919	709.788.8536	
N:		7.089.805.4733	7.089.803.4689	7.089.803.4689	7.089.802.4791	7.089.802.4691	7.089.797.1590	7.089.792.4738	7.089.792.4638	7.089.791.4742	7.089.791.4742	7.089.789.4562	
Station: 6+10													
Dist. Eixo (m):		-8,392	-6,342	-6,342	-5,352	-5,342	0,000	4,658	4,668	5,658	5,658	7,617	
Cota Camada 1 (m)						10,522	10,629	10,536					
Cota Camada 3 (m)						10,442	10,549	10,456					
Cota Camada 6 (m)						10,402	10,509	10,416					
Cota Camada 7 (m)						10,282	10,389	10,296					
Cota (m):		10,633	10,592	9,942	9,922	10,132	10,239	10,146	9,936	9,956	10,606	10,645	
E:		709.798.3572	709.798.4198	709.798.4198	709.798.4500	709.798.4503	709.798.6135	709.798.7558	709.798.7561	709.798.7863	709.798.7863	709.798.8462	
N:		7.089.805.8524	7.089.803.8037	7.089.803.8037	7.089.802.8140	7.089.802.8040	7.089.797.4644	7.089.792.8086	7.089.792.7986	7.089.791.8091	7.089.791.8091	7.089.789.8513	
Station: 7+0													
Dist. Eixo (m):		-8,407	-6,372	-6,372	-5,381	-5,371	0,000	4,629	4,639	5,629	5,629	7,609	
Cota Camada 1 (m)						10,482	10,590	10,497					
Cota Camada 3 (m)						10,402	10,510	10,417					
Cota Camada 6 (m)						10,362	10,470	10,377					
Cota Camada 7 (m)						10,242	10,350	10,257					
Cota (m):		10,593	10,552	9,902	9,882	10,092	10,200	10,107	9,897	9,917	10,566	10,606	
E:		709.808.3520	709.808.4142	709.808.4142	709.808.4445	709.808.4448	709.808.6088	709.808.7502	709.808.7505	709.808.7808	709.808.7808	709.808.8413	
N:		7.089.806.1734	7.089.803.1386	7.089.803.1386	7.089.803.1488	7.089.803.1388	7.089.797.7699	7.089.792.4738	7.089.792.4638	7.089.791.4742	7.089.792.4742	7.089.789.4562	
Station: 7+10													
Dist. Eixo (m):		-8,409	-6,401	-6,401	-5,411	-5,401	0,000	4,599	4,609	5,599	5,599	7,620	
Cota Camada 1 (m)						10,437	10,545	10,453					
Cota Camada 3 (m)						10,357	10,465	10,373					
Cota Camada 6 (m)						10,317	10,425	10,333					
Cota Camada 7 (m)						10,197	10,305	10,213					
Cota (m):		10,547	10,507	9,857	9,837	10,047	10,155	10,063	9,853	9,873	10,524	10,564	
E:		709.818.3473	709.818.4087	709.818.4087	709.818.4389	709.818.4392	709.818.6042	709.818.7447	709.818.7450	709.818.7752	709.818.7752	709.818.8369	
N:		7.089.806.4804	7.089.804.4734	7.089.804.4734	7.089.803.4837	7.089.803.4737	7.089.798.0753	7.089.793.4783	7.089.793.4683	7.089.792.4788	7.089.792.4788	7.089.790.4591	
Station: 8+0													
Dist. Eixo (m):		-8,290	-6,313	-6,313	-5,323	-5,313	0,000	4,688	4,698	5,688	5,688	7,630	
Cota Camada 1 (m)						10,390	10,497	10,403					
Cota Camada 3 (m)						10,310	10,417	10,323					
Cota Camada 6 (m)						10,270	10,377	10,283					
Cota Camada 7 (m)						10,150	10,257	10,163					
Cota (m):		10,500	10,460	9,810	9,790	10,000	10,107	10,013	9,803	9,823	10,473	10,512	
E:		709.828.3463	709.828.4067	709.828.4067	709.828.4369	709.828.4372	709.828.5995	709.828.7427	709.828.7430	709.828.7733	709.828.7733	709.828.8326	
N:		7.089.806.6671	7.089.804.6910	7.089.804.6910	7.089.803.7013	7.089.803.6913	7.089.798.3808	7.089.793.6950	7.089.793.6850	7.089.792.6955	7.089.792.6955	7.089.790.7540	
Station: 8+10													
Dist. Eixo (m):		-8,195	-6,177	-6,177	-5,187	-5,177	0,000	4,824	4,834	5,824	5,824	7,614	
Cota Camada 1 (m)						10,340	10,444	10,347					
Cota Camada 3 (m)						10,260	10,364	10,267					
Cota Camada 6 (m)						10,220	10,324	10,227					
Cota Camada 7 (m)						10,100	10,204	10,107					
Cota (m):		10,450	10,410	9,760	9,740	9,950	10,054	9,957	9,747	9,767	10,417	10,453	
E:		709.838.3445	709.838.4062	709.838.4062	709.838.4364	709.838.4367	709.838.5948	709.838.7422	709.838.7425	709.838.7727	709.838.7727	709.838.8274	
N:		7.089.806.8774	7.089.804.8605	7.089.804.8605	7.089.803.8708	7.089.803.8608	7.089.798.6863	7.089.793.8645	7.089.793.8545	7.089.792.8650	7.089.792.8650	7.089.791.0754	
Station: 9+0													
Dist. Eixo (m):		-8,067	-6,041	-6,041	-5,051	-5,041	0,000	4,960	4,970	5,960	5,960	7,562	
Cota Camada 1 (m)						10,288	10,389	10,290					
Cota Camada 3 (m)						10,208	10,309	10,210					
Cota Camada 6 (m)						10,168	10,269	10,170					
Cota Camada 7 (m)						10,048	10,149	10,050					
Cota (m):		10,399	10,358	9,708	9,688	9,898	9,999	9,900	9,690	9,710	10,360	10,392	
E:		709.848.3438	709.848.4057	709.848.4057	709.848.4359	709.848.4362	709.848.5902	709.848.7417	709.848.7420	709.848.7722	709.848.7722	709.848.8212	
N:		7.089.807.0548	7.089.805.0301	7.089.805.0301	7.089.804.0403	7.089.804.0303	7.089.798.9917	7.089.794.0341	7.089.794.0241	7.089.793.0345	7.089.793.0345	7.089.791.4337	
Station: 9+2													
Dist. Eixo (m):		-7,961	-6,000	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	6,000	7,545	
Cota Camada 1 (m)						10,273	10,373	10,273					
Cota Camada 3 (m)						10,193	10,293	10,193					
Cota Camada 6 (m)						10,153	10,253	10,153					
Cota Camada 7 (m)						10,033	10,133	10,033					
Cota (m):		10,482	10,343	9,693	9,673	9,883	9,983	9,883	9,673	9,693	10,343	10,374	
E:		709.851.3234	709.851.3833	709.851.3833	709.851.4136	709.851.4139	709.851.5666	709.851.7193	709.851.7197	709.851.7499	709.851.7499	709.851.7971	
N:		7.089.807.0405	7.089.805.0805	7.089.805.0805	7.089.804.0908	7.089.804.0808	7.089.799.0827	7.089.794.0845	7.089.794.0746	7.089.793.0850	7.089.793.0850	7.089.791.5409	
Station: 9+10													
Dist. Eixo (m):		-14,130	-9,531	-9,531	-8,541	-8,531	0,000	6,460	6,470	7,460	7,460	12,791	
Cota Camada 1 (m)						10,456	10,335	10,250					
Cota Camada 3 (m)						10,376	10,255	10,170					
Cota Camada 6 (m)						10,336	10,215	10,130					
Cota Camada 7 (m)													

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DRENAGEM SUSTENTÁVEL - VILA NOVA
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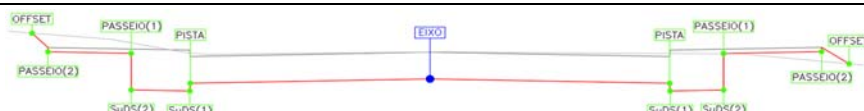
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 10+1													
Dist. Eixo (m):		-13,210	-12,431	-12,431	-11,440	-11,430	0,000	12,720	12,730	13,720	13,720		14,024
Cota Camada 1 (m)						10,528	10,327	10,248					
Cota Camada 3 (m)						10,446	10,247	10,168					
Cota Camada 6 (m)						10,406	10,207	10,128					
Cota Camada 7 (m)						10,286	10,087	10,008					
Cota (m):		10,711	10,596	9,946	9,926	10,136	9,937	9,858	9,648	9,668	10,209		10,215
E:		709,869,4803	709,869,5165	709,869,5165	709,869,5625	709,869,5629	709,870,0934	709,870,6837	709,870,6842	709,870,7301	709,870,7301		709,870,7442
N:		7,089,813,1396	7,089,812,3606	7,089,812,3606	7,089,811,3715	7,089,811,3615	7,089,799,9434	7,089,787,2371	7,089,787,2271	7,089,786,2381	7,089,786,2381		7,089,785,9345
Station: 10+9													
Dist. Eixo (m):		-7,993	-5,992	-5,992	-5,002	-4,992	0,000	5,022	5,032	6,022	6,022		8,697
Cota Camada 1 (m)						10,237	10,334	10,235					
Cota Camada 3 (m)						10,157	10,254	10,155					
Cota Camada 6 (m)						10,117	10,214	10,115					
Cota Camada 7 (m)						9,997	10,094	9,995					
Cota (m):		10,346	10,306	9,657	9,637	9,847	9,944	9,845	9,635	9,655	10,306		10,359
E:		709,877,3664	709,877,4593	709,877,4593	709,877,5052	709,877,5057	709,877,7373	709,877,9704	709,877,9709	709,878,0168	709,878,0168		709,878,1410
N:		7,089,808,2824	7,089,806,2844	7,089,806,2844	7,089,805,2952	7,089,805,2852	7,089,800,2985	7,089,795,2816	7,089,795,2716	7,089,794,2826	7,089,794,2826		7,089,791,6102
Station: 10+10													
Dist. Eixo (m):		-7,991	-5,992	-5,992	-5,002	-4,992	0,000	5,008	5,018	6,008	6,008		8,660
Cota Camada 1 (m)						10,235	10,335	10,235					
Cota Camada 3 (m)						10,155	10,255	10,155					
Cota Camada 6 (m)						10,115	10,215	10,115					
Cota Camada 7 (m)						9,995	10,095	9,995					
Cota (m):		10,345	10,305	9,655	9,635	9,845	9,945	9,845	9,635	9,655	10,305		10,358
E:		709,878,3092	709,878,3720	709,878,3720	709,878,4031	709,878,4034	709,878,5602	709,878,7175	709,878,7178	709,878,7489	709,878,7489		709,878,8322
N:		7,089,808,3116	7,089,806,3132	7,089,806,3132	7,089,805,3235	7,089,805,3135	7,089,800,3244	7,089,795,3184	7,089,795,3084	7,089,794,3189	7,089,794,3189		7,089,791,6685
Station: 11+0													
Dist. Eixo (m):		-7,987	-5,992	-5,992	-5,002	-4,992	0,000	5,008	5,018	6,008	6,008		8,256
Cota Camada 1 (m)						10,245	10,345	10,245					
Cota Camada 3 (m)						10,165	10,265	10,165					
Cota Camada 6 (m)						10,125	10,225	10,125					
Cota Camada 7 (m)						10,005	10,105	10,005					
Cota (m):		10,355	10,315	9,665	9,645	9,855	9,955	9,855	9,645	9,665	10,315		10,360
E:		709,888,3044	709,888,3670	709,888,3670	709,888,3981	709,888,3984	709,888,5552	709,888,7125	709,888,7128	709,888,7439	709,888,7439		709,888,8146
N:		7,089,808,6213	7,089,806,6278	7,089,806,6278	7,089,805,6381	7,089,805,6281	7,089,800,6385	7,089,795,6331	7,089,795,6231	7,089,794,6336	7,089,794,6336		7,089,792,3861
Station: 11+10													
Dist. Eixo (m):		-7,982	-5,993	-5,993	-5,003	-4,993	0,000	5,007	5,017	6,007	6,007		8,181
Cota Camada 1 (m)						10,255	10,355	10,255					
Cota Camada 3 (m)						10,175	10,275	10,175					
Cota Camada 6 (m)						10,135	10,235	10,135					
Cota Camada 7 (m)						10,015	10,115	10,015					
Cota (m):		10,365	10,325	9,675	9,655	9,865	9,965	9,865	9,655	9,675	10,325		10,368
E:		709,898,2996	709,898,3621	709,898,3621	709,898,3932	709,898,3935	709,898,5503	709,898,7076	709,898,7079	709,898,7390	709,898,7390		709,898,8073
N:		7,089,808,9309	7,089,806,9425	7,089,806,9425	7,089,805,9528	7,089,805,9428	7,089,800,9526	7,089,795,9477	7,089,795,9377	7,089,794,9482	7,089,794,9482		7,089,792,7757
Station: 12+0													
Dist. Eixo (m):		-7,984	-5,993	-5,993	-5,003	-4,993	0,000	5,007	5,017	6,007	6,007		8,174
Cota Camada 1 (m)						10,265	10,365	10,265					
Cota Camada 3 (m)						10,185	10,285	10,185					
Cota Camada 6 (m)						10,145	10,245	10,145					
Cota Camada 7 (m)						10,025	10,125	10,025					
Cota (m):		10,375	10,335	9,685	9,665	9,875	9,975	9,875	9,665	9,685	10,335		10,378
E:		709,908,2946	709,908,3571	709,908,3571	709,908,3882	709,908,3885	709,908,5454	709,908,7026	709,908,7029	709,908,7340	709,908,7340		709,908,8021
N:		7,089,809,2467	7,089,807,2571	7,089,807,2571	7,089,806,2674	7,089,806,2574	7,089,801,2667	7,089,796,2623	7,089,796,2524	7,089,795,2628	7,089,795,2628		7,089,793,0967
Station: 12+10													
Dist. Eixo (m):		-7,987	-5,994	-5,994	-5,004	-4,994	0,000	5,006	5,016	6,006	6,006		7,438
Cota Camada 1 (m)						10,275	10,375	10,275					
Cota Camada 3 (m)						10,195	10,295	10,195					
Cota Camada 6 (m)						10,155	10,255	10,155					
Cota Camada 7 (m)						10,035	10,135	10,035					
Cota (m):		10,385	10,345	9,695	9,675	9,885	9,985	9,885	9,675	9,695	10,345		10,374
E:		709,918,2896	709,918,3522	709,918,3522	709,918,3833	709,918,3836	709,918,5404	709,918,6977	709,918,6980	709,918,7291	709,918,7291		709,918,7740
N:		7,089,809,5636	7,089,807,5718	7,089,807,5718	7,089,806,5820	7,089,806,5720	7,089,801,5808	7,089,796,5770	7,089,796,5670	7,089,795,5775	7,089,795,5775		7,089,794,1468
Station: 13+0													
Dist. Eixo (m):		-7,990	-5,994	-5,994	-5,004	-4,994	0,000	5,006	5,016	6,006	6,006		7,442
Cota Camada 1 (m)						10,285	10,385	10,285					
Cota Camada 3 (m)						10,205	10,305	10,205					
Cota Camada 6 (m)						10,165	10,265	10,165					
Cota Camada 7 (m)						10,045	10,145	10,045					
Cota (m):		10,395	10,355	9,705	9,685	9,895	9,995	9,895	9,685	9,705	10,355		10,384
E:		709,928,2845	709,928,3472	709,928,3472	709,928,3783	709,928,3786	709,928,5355	709,928,6927	709,928,6930	709,928,7241	709,928,7241		709,928,7692
N:		7,089,809,8806	7,089,807,8864	7,089,807,8864	7,089,806,8967	7,089,806,8867	7,089,801,8949	7,089,796,8916	7,089,796,8816	7,089,795,8921	7,089,795,8921		7,089,794,4570
Station: 13+10													
Dist. Eixo (m):		-7,993	-5,995	-5,995	-5,005	-4,995	0,000	5,005	5,015	6,005	6,005		7,643
Cota Camada 1 (m)						10,295	10,395	10,295					
Cota Camada 3 (m)						10,215	10,315	10,215					
Cota Camada 6 (m)						10,175	10,275	10,175					
Cota Camada 7 (m)						10,055	10,155	10,055					
Cota (m):		10,405	10,365	9,715	9,695	9,905	10,005	9,905	9,695	9,715	10,365		10,398
E:		709,938,2795	709,938,3423	709,938,3423	709,938,3734	709,938,3737	709,938,5306	709,938,6878	709,938,6881	709,938,7192	709,938,7192		709,938,7706
N:		7,089,810,1976	7,089,808,2010	7,089,808,2010	7,089,807,2113	7,089,807,2013	7,089,802,2090	7,089,797,2063	7,089,797,1963	7,089,796,2068	7,089,796,2068		7,089,794,5694
Station: 14+0													
Dist. Eixo (m):		-7,996	-5,996	-5,996	-5,005	-4,995	0,000	5,005	5,015	6,005	6,005		7,782
Cota Camada 1 (m)						10,305	10,405	10,305					
Cota Camada 3 (m)						10,225	10,325	10,225					
Cota Camada 6 (m)						10,185	10,285	10,185					
Cota Camada 7 (m)						10,065	10,165	10,065					
Cota (m):		10,515	10,375	9,725	9,705	9,915	10,015	9,915	9,705	9,725	10,375		10,410
E:		709,948,2745	709,948,3373	709,948,3373	709,948,3684	709,94							

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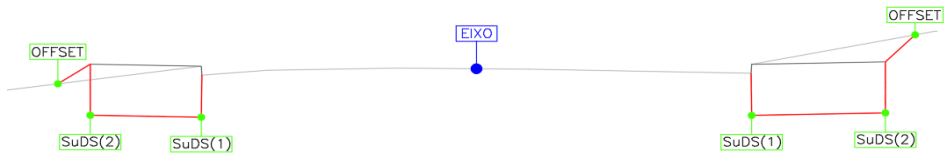
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 15+0													
Dist. Eixo (m):		-7,997	-5,997	-5,997	-5,006	-4,996	0,000	5,004	5,014	6,004	6,004	7,759	
Cota Camada 1 (m)						10,325	10,425	10,325					
Cota Camada 3 (m)						10,245	10,345	10,245					
Cota Camada 6 (m)						10,205	10,305	10,205					
Cota Camada 7 (m)						10,085	10,185	10,085					
Cota (m):		10,535	10,395	9,745	9,725	9,935	10,035	9,935	9,725	9,745	10,395	10,430	
E:		709.968,2646	709.968,3274	709.968,3274	709.968,3585	709.968,3588	709.968,5158	709.968,6729	709.968,6732	709.968,7043	709.968,7043	709.968,7594	
N:		7.089.811,1440	7.089.809,1449	7.089.809,1449	7.089.808,1552	7.089.808,1452	7.089.803,1513	7.089.798,1502	7.089.798,1402	7.089.797,1507	7.089.797,1507	7.089.795,3966	
Station: 15+10													
Dist. Eixo (m):		-7,997	-5,997	-5,997	-5,007	-4,997	0,000	5,003	5,013	6,003	6,003	7,766	
Cota Camada 1 (m)						10,335	10,435	10,335					
Cota Camada 3 (m)						10,255	10,355	10,255					
Cota Camada 6 (m)						10,215	10,315	10,215					
Cota Camada 7 (m)						10,095	10,195	10,095					
Cota (m):		10,545	10,405	9,755	9,735	9,945	10,045	9,945	9,735	9,755	10,405	10,440	
E:		709.978,2596	709.978,3224	709.978,3224	709.978,3535	709.978,3539	709.978,5108	709.978,6680	709.978,6683	709.978,6994	709.978,6994	709.978,7547	
N:		7.089.811,4586	7.089.809,4596	7.089.809,4596	7.089.808,4699	7.089.808,4599	7.089.803,4654	7.089.798,4648	7.089.798,4548	7.089.797,4653	7.089.797,4653	7.089.795,7033	
Station: 16+0													
Dist. Eixo (m):		-7,998	-5,998	-5,998	-5,008	-4,998	0,000	5,002	5,012	6,002	6,002	7,773	
Cota Camada 1 (m)						10,345	10,445	10,345					
Cota Camada 3 (m)						10,265	10,365	10,265					
Cota Camada 6 (m)						10,225	10,325	10,225					
Cota Camada 7 (m)						10,105	10,205	10,105					
Cota (m):		10,555	10,415	9,765	9,745	9,955	10,055	9,955	9,745	9,765	10,415	10,450	
E:		709.988,2547	709.988,3175	709.988,3175	709.988,3486	709.988,3489	709.988,5059	709.988,6630	709.988,6633	709.988,6944	709.988,6944	709.988,7501	
N:		7.089.812,0877	7.089.810,0889	7.089.810,0889	7.089.809,091	7.089.809,0891	7.089.804,0936	7.089.799,0841	7.089.799,0841	7.089.798,0946	7.089.797,7799	7.089.796,0101	
Station: 16+10													
Dist. Eixo (m):		-7,998	-5,998	-5,998	-5,008	-4,998	0,000	5,002	5,012	6,002	6,002	7,781	
Cota Camada 1 (m)						10,355	10,455	10,355					
Cota Camada 3 (m)						10,275	10,375	10,275					
Cota Camada 6 (m)						10,235	10,335	10,235					
Cota Camada 7 (m)						10,115	10,215	10,115					
Cota (m):		10,465	10,425	9,775	9,755	9,965	10,065	9,965	9,755	9,775	10,425	10,461	
E:		709.998,2497	709.998,3125	709.998,3125	709.998,3436	709.998,3440	709.998,5010	709.998,6581	709.998,6584	709.998,6895	709.998,6895	709.998,7453	
N:		7.089.812,0877	7.089.810,0889	7.089.810,0889	7.089.809,091	7.089.809,0891	7.089.804,0936	7.089.799,0841	7.089.799,0841	7.089.798,0946	7.089.797,7799	7.089.796,3168	
Station: 17+0													
Dist. Eixo (m):		-7,999	-5,999	-5,999	-5,009	-4,999	0,000	5,001	5,011	6,001	6,001	7,788	
Cota Camada 1 (m)						10,365	10,465	10,365					
Cota Camada 3 (m)						10,285	10,385	10,285					
Cota Camada 6 (m)						10,245	10,345	10,245					
Cota Camada 7 (m)						10,125	10,225	10,125					
Cota (m):		10,475	10,435	9,785	9,765	9,975	10,075	9,975	9,765	9,785	10,434	10,470	
E:		710.008,2448	710.008,3076	710.008,3076	710.008,3387	710.008,3390	710.008,4960	710.008,6531	710.008,6534	710.008,6845	710.008,6845	710.008,7406	
N:		7.089.812,4023	7.089.810,4035	7.089.810,4035	7.089.809,4138	7.089.809,4038	7.089.804,4077	7.089.799,4087	7.089.799,3987	7.089.798,4092	7.089.798,4092	7.089.796,6236	
Station: 17+10													
Dist. Eixo (m):		-7,999	-5,999	-5,999	-5,009	-4,999	0,000	5,001	5,011	6,001	6,001	7,795	
Cota Camada 1 (m)						10,366	10,466	10,366					
Cota Camada 3 (m)						10,286	10,386	10,286					
Cota Camada 6 (m)						10,246	10,346	10,246					
Cota Camada 7 (m)						10,126	10,226	10,126					
Cota (m):		10,476	10,436	9,786	9,766	9,976	10,076	9,976	9,766	9,786	10,436	10,472	
E:		710.018,2398	710.018,3026	710.018,3026	710.018,3337	710.018,3341	710.018,4911	710.018,6482	710.018,6485	710.018,6796	710.018,6796	710.018,7359	
N:		7.089.812,7169	7.089.810,7181	7.089.810,7181	7.089.809,7284	7.089.809,7184	7.089.804,7218	7.089.799,7234	7.089.799,7134	7.089.798,7239	7.089.798,7239	7.089.796,9304	
Station: 18+0													
Dist. Eixo (m):		-8,000	-6,000	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	6,000	7,803	
Cota Camada 1 (m)						10,357	10,457	10,357					
Cota Camada 3 (m)						10,277	10,377	10,277					
Cota Camada 6 (m)						10,237	10,337	10,237					
Cota Camada 7 (m)						10,117	10,217	10,117					
Cota (m):		10,467	10,427	9,777	9,757	9,967	10,067	9,967	9,757	9,777	10,427	10,463	
E:		710.028,2349	710.028,2977	710.028,2977	710.028,3288	710.028,3291	710.028,4861	710.028,6432	710.028,6435	710.028,6746	710.028,6746	710.028,7312	
N:		7.089.813,0316	7.089.811,0328	7.089.811,0328	7.089.810,0431	7.089.810,0331	7.089.805,0359	7.089.800,0380	7.089.800,0280	7.089.799,0385	7.089.799,0385	7.089.797,2371	
Station: 18+6													
Dist. Eixo (m):		-6,375	-6,000	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	6,000	7,807	
Cota Camada 1 (m)						10,350	10,450	10,350					
Cota Camada 3 (m)						10,270	10,370	10,270					
Cota Camada 6 (m)						10,230	10,330	10,230					
Cota Camada 7 (m)						10,110	10,210	10,110					
Cota (m):		10,270	10,520	9,770	9,750	9,960	10,060	9,960	9,750	9,770	10,420	10,456	
E:		710.034,6516	710.034,6634	710.034,6634	710.034,6945	710.034,6948	710.034,8518	710.035,0089	710.035,0092	710.035,0403	710.035,0403	710.035,0971	
N:		7.089.811,6079	7.089.811,2332	7.089.811,2332	7.089.810,2434	7.089.810,2334	7.089.805,2359	7.089.800,2384	7.089.800,2284	7.089.799,2389	7.089.799,2389	7.089.797,4325	

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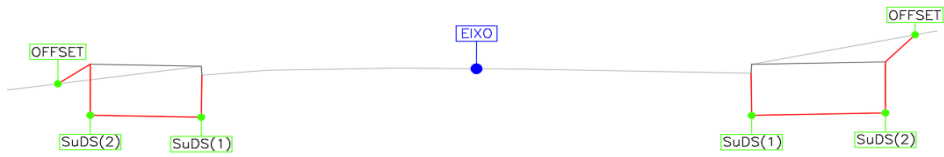
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0							
Dist. Eixo (m):		-19,517	-7,569	0,000	1,493	6,022	
Cota (m):		15,254	15,015		15,136	15,227	
E:		708.570,3487	708.571,0063	708.571,4228	708.571,5049	708.571,7542	
N:		7.090.722,3179	7.090.710,3878	7.090.702,8308	7.090.701,3405	7.090.696,8175	
Station: 0+10							
Dist. Eixo (m):		-19,707	-17,873	0,000	4,038	5,994	5,994
Cota (m):		14,943	14,907		15,183	15,223	
E:		708.580,3231	708.580,4240	708.581,4076	708.581,6298	708.581,7375	
N:		7.090.723,0584	7.090.721,2273	7.090.703,3811	7.090.699,3493	7.090.697,3964	
Station: 1+0							
Dist. Eixo (m):		-20,057	-17,944	0,000	5,609	9,063	
Cota (m):		15,169	15,127		15,374	15,443	
E:		708.590,2887	708.590,4050	708.591,3925	708.591,7011	708.591,8912	
N:		7.090.723,9579	7.090.721,8484	7.090.703,9314	7.090.698,3311	7.090.694,8826	
Station: 1+10							
Dist. Eixo (m):		-20,401	-17,974	0,000			
Cota (m):		15,304	15,255				
E:		708.600,2546	708.600,3882	708.601,3773			
N:		7.090.724,8522	7.090.722,4284	7.090.704,4817			
Station: 2+0							
Dist. Eixo (m):		-20,644	-18,004	0,000	4,071	6,375	
Cota (m):		15,323	15,270		15,549	15,595	
E:		708.610,2261	708.610,3714	708.611,3622	708.611,5862	708.611,7130	
N:		7.090.725,6450	7.090.723,0084	7.090.705,0320	7.090.700,9674	7.090.698,6669	
Station: 2+10							
Dist. Eixo (m):		-20,713	-18,033	0,000	4,119	6,385	
Cota (m):		15,370	15,317		15,595	15,640	
E:		708.620,2071	708.620,3546	708.621,3470	708.621,5737	708.621,6984	
N:		7.090.726,2639	7.090.723,5884	7.090.705,5823	7.090.701,4691	7.090.699,2074	
Station: 3+0							
Dist. Eixo (m):		-20,617	-18,037	0,000	4,117	6,295	
Cota (m):		15,468	15,416		15,694	15,738	
E:		708.630,1973	708.630,3393	708.631,3319	708.631,5584	708.631,6783	
N:		7.090.726,7188	7.090.724,1421	7.090.706,1326	7.090.702,0218	7.090.699,8470	
Station: 3+10							
Dist. Eixo (m):		-20,416	-18,011	0,000	4,115	6,085	
Cota (m):		15,665	15,617		15,895	15,934	
E:		708.640,1932	708.640,3255	708.641,3167	708.641,5431	708.641,6516	
N:		7.090.727,0682	7.090.724,6666	7.090.706,6829	7.090.702,5746	7.090.700,6067	
Station: 4+0							
Dist. Eixo (m):		-20,201	-17,985	0,000	4,123	5,934	
Cota (m):		15,862	15,818		16,095	16,132	
E:		708.650,1899	708.650,3118	708.651,3015	708.651,5284	708.651,6281	
N:		7.090.727,4033	7.090.725,1911	7.090.707,2332	7.090.703,1164	7.090.701,3084	
Station: 4+10							
Dist. Eixo (m):		-19,938	-17,959	0,000			
Cota (m):		16,205	16,165				
E:		708.660,1892	708.660,2981	708.661,2864			
N:		7.090.727,6912	7.090.725,7157	7.090.707,7836			
Station: 5+0							
Dist. Eixo (m):		-19,597	-17,990	0,000			
Cota (m):		16,781	16,749				
E:		708.670,1928	708.670,2812	708.671,2712			
N:		7.090.727,9007	7.090.726,2964	7.090.708,3339			

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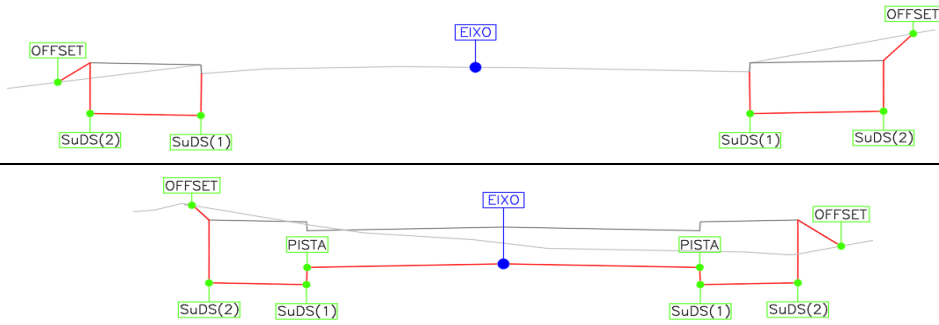
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Station: 5+10							
Dist. Eixo (m):		-19,504	-18,026	0,000			
Cota (m):		17,376	17,346				
E:		708.680,1828	708.680,2641	708.681,2561			
N:		7.090.728,3587	7.090.726,8831	7.090.708,8842			
Station: 6+0							
Dist. Eixo (m):				0,000	4,204	6,103	
Cota (m):					18,398	18,436	
E:				708.691,2409	708.691,4723	708.691,5768	
N:				7.090.709,4345	7.090.705,2365	7.090.703,3404	
Station: 6+10							
Dist. Eixo (m):				0,000	4,098	6,195	
Cota (m):					18,813	18,855	
E:				708.701,2258	708.701,4513	708.701,5667	
N:				7.090.709,9848	7.090.705,8928	7.090.703,7991	
Station: 7+0							
Dist. Eixo (m):				0,000	4,062	6,200	
Cota (m):					19,056	19,099	
E:				708.711,2106	708.711,4342	708.711,5518	
N:				7.090.710,5351	7.090.706,4788	7.090.704,3440	
Station: 7+10							
Dist. Eixo (m):		-5,812	-3,869	0,000	4,059	6,020	
Cota (m):		19,213	19,174		19,170	19,209	
E:		708.720,8756	708.720,9826	708.721,1955	708.721,4188	708.721,5268	
N:		7.090.716,8888	7.090.714,9481	7.090.711,0854	7.090.707,0325	7.090.705,0743	
Station: 8+0							
Dist. Eixo (m):		-5,754	-3,871	0,000			
Cota (m):		19,230	19,192				
E:		708.730,8637	708.730,9673	708.731,1803			
N:		7.090.717,3812	7.090.715,5013	7.090.711,6357			
Station: 8+10							
Dist. Eixo (m):		-5,702	-3,871	0,000			
Cota (m):		19,165	19,129				
E:		708.740,8514	708.740,9521	708.741,1652			
N:		7.090.717,8794	7.090.716,0515	7.090.712,1860			
Station: 9+0							
Dist. Eixo (m):		-5,646	-3,871	0,000	3,660	5,721	
Cota (m):		18,886	18,850		18,854	18,896	
E:		708.750,8393	708.750,9370	708.751,1500	708.751,3514	708.751,4649	
N:		7.090.718,3735	7.090.716,6016	7.090.712,7363	7.090.709,0816	7.090.707,0238	
Station: 9+10							
Dist. Eixo (m):		-5,545	-3,871	0,000	3,806	5,808	
Cota (m):		18,568	18,535		18,536	18,576	
E:		708.760,8297	708.760,9218	708.761,1349	708.761,3443	708.761,4545	
N:		7.090.718,8231	7.090.717,1518	7.090.713,2867	7.090.709,4862	7.090.707,4878	
Station: 10+0							
Dist. Eixo (m):		-5,444	-3,871	0,000	3,934	5,894	
Cota (m):		18,221	18,190		18,188	18,228	
E:		708.770,8201	708.770,9067	708.771,1197	708.771,3362	708.771,4441	
N:		7.090.719,2728	7.090.717,7017	7.090.713,8370	7.090.709,9087	7.090.707,9518	
Station: 10+10							
Dist. Eixo (m):		-5,358	-3,905	0,000	4,023	5,981	
Cota (m):		17,754	17,725		17,722	17,762	
E:		708.780,8097	708.780,8897	708.781,1045	708.781,3259	708.781,4337	
N:		7.090.719,7367	7.090.718,2861	7.090.714,3873	7.090.710,3707	7.090.708,4158	
Station: 10+19							
Dist. Eixo (m):		-5,298	-3,936	0,000	3,999	6,058	
Cota (m):		17,334	17,307		17,306	17,347	
E:		708.790,0497	708.790,1246	708.790,3413	708.790,5613	708.790,6746	
N:		7.090.720,1863	7.090.718,8267	7.090.714,8964	7.090.710,9035	7.090.708,8479	

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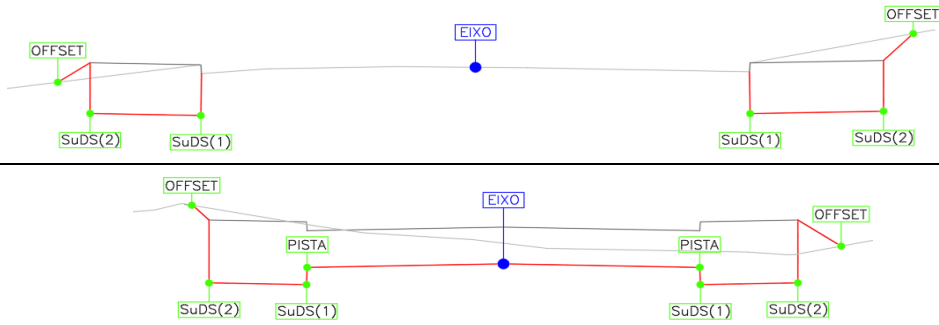
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0									
Dist. Eixo (m):					0,000		5,010	10,845	
Cota (m):							15,307	15,424	
E:					709.183,1478		709.178,1397	709.172,3066	
N:					7.090.828,8140		7.090.828,6765	7.090.828,5164	
Station: 0+10									
Dist. Eixo (m):		-6,739	-4,765		0,000		4,016	5,984	
Cota (m):		15,543	15,504				15,519	15,558	
E:		709.190,1583	709.188,1855		709.183,4222		709.179,4073	709.177,4408	
N:		7.090.819,0027	7.090.818,9485		7.090.818,8178		7.090.818,7075	7.090.818,6536	
Station: 1+0									
Dist. Eixo (m):		-6,482	-4,472		0,000		4,070	5,991	
Cota (m):		15,816	15,776				15,784	15,822	
E:		709.190,1765	709.188,1672		709.183,6966		709.179,6283	709.177,7082	
N:		7.090.808,9994	7.090.808,9443		7.090.808,8215		7.090.808,7098	7.090.808,6571	
Station: 1+10									
Dist. Eixo (m):		-6,228	-4,351		0,000		4,079	5,998	
Cota (m):		16,107	16,069				16,075	16,113	
E:		709.190,1968	709.188,3203		709.183,9711		709.179,8932	709.177,9756	
N:		7.090.798,9962	7.090.798,9447		7.090.798,8253		7.090.798,7134	7.090.798,6607	
Station: 2+0									
Dist. Eixo (m):		-6,001	-4,230		0,000		4,070	6,005	
Cota (m):		16,399	16,363				16,366	16,405	
E:		709.190,2442	709.188,4735		709.184,2455		709.180,1775	709.178,2430	
N:		7.090.788,9938	7.090.788,9451		7.090.788,8291		7.090.788,7174	7.090.788,6643	
Station: 2+10									
Dist. Eixo (m):		-6,413	-4,164		0,000		4,071	6,021	
Cota (m):		16,930	16,885				16,887	16,926	
E:		709.190,9306	709.188,6823		709.184,5199		709.180,4502	709.178,5008	
N:		7.090.779,0088	7.090.778,9471		7.090.778,8328		7.090.778,7211	7.090.778,6676	
Station: 3+0									
Dist. Eixo (m):		-6,494	-4,146		0,000		4,096	6,077	
Cota (m):		17,677	17,630				17,631	17,671	
E:		709.191,2858	709.188,9391		709.184,7944		709.180,6996	709.178,7193	
N:		7.090.769,0148	7.090.768,9504		7.090.768,8366		7.090.768,7242	7.090.768,6698	
Station: 3+10									
Dist. Eixo (m):		-6,418	-4,129		0,000		4,074	6,133	
Cota (m):		18,413	18,367				18,368	18,409	
E:		709.191,4840	709.189,1958		709.185,0688		709.180,9967	709.178,9377	
N:		7.090.759,0165	7.090.758,9537		7.090.758,8404		7.090.758,7286	7.090.758,6720	
Station: 4+0									
Dist. Eixo (m):		-6,093	-4,119		0,000		4,051	6,106	
Cota (m):		18,932	18,892				18,894	18,935	
E:		709.191,4340	709.189,4610		709.185,3432		709.181,2937	709.179,2396	
N:		7.090.749,0114	7.090.748,9572		7.090.748,8441		7.090.748,7330	7.090.748,6766	
Station: 4+10									
Dist. Eixo (m):		-6,079	-4,216		0,000		4,025	6,023	
Cota (m):		19,456	19,418				19,422	19,462	
E:		709.191,6940	709.189,8321		709.185,6177		709.181,5938	709.179,5971	
N:		7.090.739,0147	7.090.738,9636		7.090.738,8479		7.090.738,7374	7.090.738,6826	
Station: 5+0									
Dist. Eixo (m):		-6,169	-4,313		0,000		3,994	5,940	
Cota (m):		19,365	19,328				19,335	19,373	
E:		709.192,0586	709.190,2031		709.185,8921		709.181,9001	709.179,9547	
N:		7.090.729,0210	7.090.728,9700		7.090.728,8517		7.090.728,7421	7.090.728,6887	

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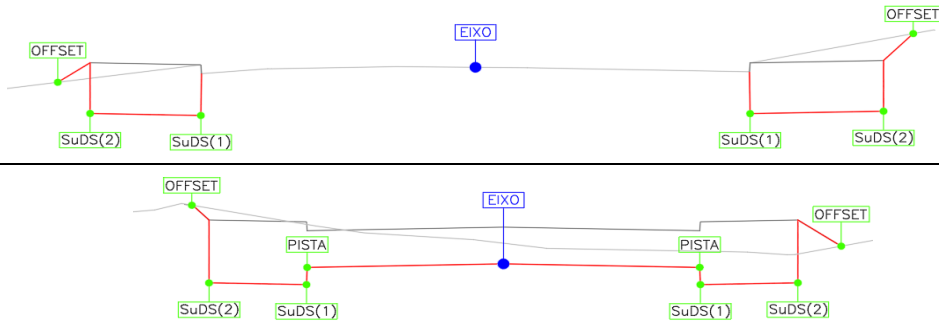
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 5+10									
Dist. Eixo (m):		-6,133	-4,371		0,000		3,962	5,856	
Cota (m):		19,087	19,052				19,060	19,098	
E:		709.192,2969	709.190,5363		709.186,1665		709.182,2064	709.180,3122	
N:		7.090.719,0237	7.090.718,9754		7.090.718,8554		7.090.718,7467	7.090.718,6947	
Station: 6+0									
Dist. Eixo (m):		-5,899	-4,323		0,000		3,965	5,773	
Cota (m):		18,803	18,772				18,779	18,815	
E:		709.192,3375	709.190,7623		709.186,4410		709.182,4770	709.180,6698	
N:		7.090.709,0211	7.090.708,9778		7.090.708,8592		7.090.708,7504	7.090.708,7008	
Station: 6+10									
Dist. Eixo (m):		-5,893	-4,275		0,000		3,980	5,736	
Cota (m):		18,323	18,291				18,297	18,332	
E:		709.192,6060	709.190,9883		709.186,7154		709.182,7368	709.180,9814	
N:		7.090.699,0247	7.090.698,9803		7.090.698,8630		7.090.698,7537	7.090.698,7056	
Station: 7+0									
Dist. Eixo (m):		-5,914	-4,226		0,000		3,983	5,779	
Cota (m):		17,844	17,810				17,815	17,851	
E:		709.192,9012	709.191,2143		709.186,9898		709.183,0079	709.181,2134	
N:		7.090.689,0290	7.090.688,9827		7.090.688,8667		7.090.688,7574	7.090.688,7082	
Station: 7+10									
Dist. Eixo (m):		-5,939	-4,190		0,000		3,984	5,821	
Cota (m):		17,552	17,517				17,522	17,558	
E:		709.193,2010	709.191,4529		709.187,2643		709.183,2821	709.181,4453	
N:		7.090.679,0335	7.090.678,9855		7.090.678,8705		7.090.678,7612	7.090.678,7108	
Station: 8+0									
Dist. Eixo (m):		-5,990	-4,174		0,000		3,984	5,864	
Cota (m):		17,436	17,400				17,403	17,441	
E:		709.193,5265	709.191,7112		709.187,5387		709.183,5564	709.181,6773	
N:		7.090.669,0387	7.090.668,9888		7.090.668,8743		7.090.668,7649	7.090.668,7134	
Station: 8+10									
Dist. Eixo (m):		-6,004	-4,158		0,000		3,984	5,969	
Cota (m):		17,394	17,357				17,361	17,401	
E:		709.193,8145	709.191,9696		709.187,8131		709.183,8306	709.181,8463	
N:		7.090.659,0428	7.090.658,9921		7.090.658,8780		7.090.658,7687	7.090.658,7142	
Station: 9+0									
Dist. Eixo (m):		-6,068	-4,151		0,000		3,984	6,191	
Cota (m):		17,430	17,392				17,395	17,439	
E:		709.194,1532	709.192,2370		709.188,0876		709.184,1048	709.181,8988	
N:		7.090.649,0483	7.090.648,9957		7.090.648,8818		7.090.648,7725	7.090.648,7119	
Station: 9+10									
Dist. Eixo (m):		-6,043	-4,158		0,000		3,984	6,321	
Cota (m):		17,563	17,526				17,529	17,576	
E:		709.194,4026	709.192,5185		709.188,3620		709.184,3791	709.182,0434	
N:		7.090.639,0514	7.090.638,9997		7.090.638,8856		7.090.638,7762	7.090.638,7121	
Station: 10+0									
Dist. Eixo (m):		-6,251	-4,165		0,000		3,985	6,119	
Cota (m):		17,717	17,675				17,679	17,721	
E:		709.194,8851	709.192,7999		709.188,6364		709.184,6533	709.182,5198	
N:		7.090.629,0609	7.090.629,0036		7.090.628,8893		7.090.628,7800	7.090.628,7214	
Station: 10+10									
Dist. Eixo (m):		-6,136	-4,174		0,000		3,985	5,917	
Cota (m):		18,165	18,126				18,130	18,168	
E:		709.195,0442	709.193,0836		709.188,9109		709.184,9276	709.182,9962	
N:		7.090.619,0615	7.090.619,0077		7.090.618,8931		7.090.618,7837	7.090.618,7307	

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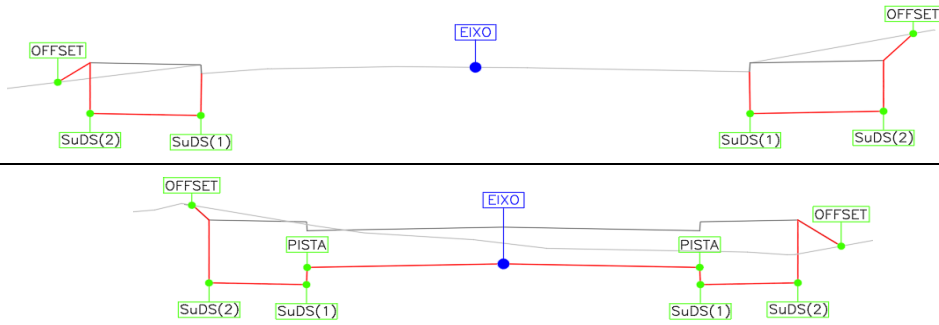
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 11+0									
Dist. Eixo (m):		-5,776	-4,185		0,000		3,993	5,715	
Cota (m):		18,670	18,638				18,642	18,676	
E:		709.194,9592	709.193,3689		709.189,1853		709.185,1936	709.183,4726	
N:		7.090.609,0554	7.090.609,0117		7.090.608,8969		7.090.608,7873	7.090.608,7400	
Station: 11+10									
Dist. Eixo (m):		-6,359	-4,196		0,000		4,007	5,617	
Cota (m):		19,415	19,372				19,376	19,408	
E:		709.195,8162	709.193,6542		709.189,4597		709.185,4544	709.183,8450	
N:		7.090.599,0751	7.090.599,0158		7.090.598,9006		7.090.598,7907	7.090.598,7465	
Station: 11+12									
Dist. Eixo (m):		-6,493	-4,199		0,000		4,010	5,602	
Cota (m):		19,620	19,574				19,577	19,609	
E:		709.196,0148	709.193,7213		709.189,5243		709.185,5158	709.183,9239	
N:		7.090.596,7278	7.090.596,6648		7.090.596,5496		7.090.596,4396	7.090.596,3959	
Station: 12+0									
Dist. Eixo (m):		-7,933	-4,193		0,000		4,034	5,569	
Cota (m):		20,305	20,230				20,233	20,264	
E:		709.197,6775	709.193,9392		709.189,7480		709.185,7155	709.184,1809	
N:		7.090.589,1368	7.090.589,0274		7.090.588,9048		7.090.588,7868	7.090.588,7419	
Station: 12+10									
Dist. Eixo (m):		-7,024	-4,186		0,000		4,066	5,526	
Cota (m):		21,299	21,242				21,245	21,274	
E:		709.197,0612	709.194,2245		709.190,0404		709.185,9764	709.184,5165	
N:		7.090.579,1145	7.090.579,0315		7.090.578,9091		7.090.578,7902	7.090.578,7474	
Station: 13+0									
Dist. Eixo (m):		-6,606	-4,156		0,000		4,097	5,552	
Cota (m):		22,324	22,275				22,277	22,306	
E:		709.196,9356	709.194,4870		709.190,3329		709.186,2372	709.184,7833	
N:		7.090.569,1065	7.090.569,0349		7.090.568,9133		7.090.568,7935	7.090.568,7510	
Station: 13+10									
Dist. Eixo (m):		-6,055	-4,123		0,000		4,129	5,729	
Cota (m):		23,432	23,393				23,393	23,425	
E:		709.196,6774	709.194,7467		709.190,6253		709.186,4981	709.184,8984	
N:		7.090.559,0947	7.090.559,0382		7.090.558,9176		7.090.558,7969	7.090.558,7501	
Station: 14+0									
Dist. Eixo (m):		-7,110	-4,090		0,000		4,161	5,841	
Cota (m):		24,576	24,516				24,514	24,548	
E:		709.198,0252	709.195,0065		709.190,9178		709.186,7590	709.185,0792	
N:		7.090.549,1298	7.090.549,0415		7.090.548,9219		7.090.548,8002	7.090.548,7511	
Station: 14+10									
Dist. Eixo (m):		-6,694	-4,031		0,000		4,130	5,815	
Cota (m):		25,465	25,412				25,410	25,444	
E:		709.197,9017	709.195,2396		709.191,2102		709.187,0821	709.185,3974	
N:		7.090.539,1220	7.090.539,0441		7.090.538,9262		7.090.538,8054	7.090.538,7561	
Station: 15+0									
Dist. Eixo (m):		-6,222	-3,923		0,000		4,030	5,719	
Cota (m):		26,309	26,263				26,261	26,294	
E:		709.197,7224	709.195,4236		709.191,5027		709.187,4741	709.185,7863	
N:		7.090.529,1124	7.090.529,0452		7.090.528,9305		7.090.528,8126	7.090.528,7632	
Station: 15+2									
Dist. Eixo (m):		-6,229	-3,900		0,000		4,010	5,667	
Cota (m):		26,481	26,434				26,432	26,465	
E:		709.197,7886	709.195,4606		709.191,5616		709.187,5531	709.185,8968	
N:		7.090.527,0983	7.090.527,0301		7.090.526,9161		7.090.526,7988	7.090.526,7503	

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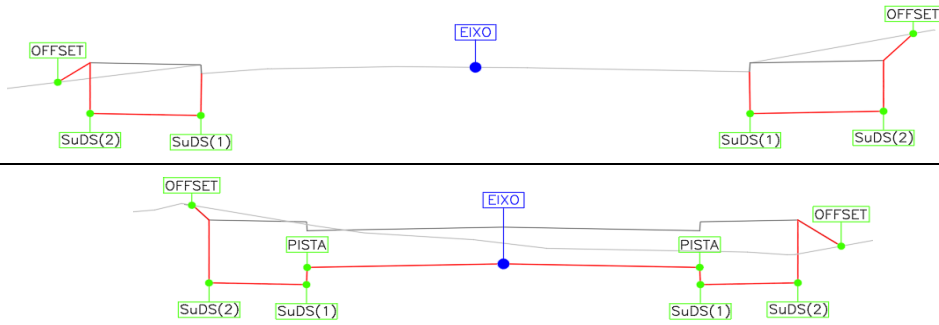
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 15+10									
Dist. Eixo (m):		-5,981	-3,702		0,000		4,043	6,335	
Cota (m):		26,701	26,655				26,648	26,694	
E:		709.197,8829	709.195,6065		709.191,9075		709.187,8683	709.185,5789	
N:		7.090.519,1979	7.090.519,0992		7.090.518,9388		7.090.518,7637	7.090.518,6644	
Station: 16+0									
Dist. Eixo (m):		-5,808	-3,464		0,000		4,084	6,275	
Cota (m):		26,771	26,724				26,711	26,755	
E:		709.198,1433	709.195,8016		709.192,3407		709.188,2602	709.186,0719	
N:		7.090.509,1998	7.090.509,0983		7.090.508,9482		7.090.508,7713	7.090.508,6764	
Station: 16+10									
Dist. Eixo (m):		-5,579	-3,412		0,000		4,125	6,215	
Cota (m):		26,595	26,551				26,537	26,579	
E:		709.198,3475	709.196,1822		709.192,7738		709.188,6522	709.186,5650	
N:		7.090.499,1992	7.090.499,1054		7.090.498,9576		7.090.498,7789	7.090.498,6884	
Station: 17+0									
Dist. Eixo (m):		-5,767	-3,501		0,000		4,167	6,155	
Cota (m):		25,977	25,932				25,919	25,958	
E:		709.198,9682	709.196,7044		709.193,2070		709.189,0442	709.187,0580	
N:		7.090.489,2168	7.090.489,1186		7.090.488,9670		7.090.488,7865	7.090.488,7004	
Station: 17+10									
Dist. Eixo (m):		-6,255	-3,679		0,000		4,208	6,096	
Cota (m):		25,058	25,007				24,996	25,034	
E:		709.199,8888	709.197,3153		709.193,6402		709.189,4362	709.187,5498	
N:		7.090.479,2473	7.090.479,1357		7.090.478,9764		7.090.478,7941	7.090.478,7123	
Station: 18+0									
Dist. Eixo (m):		-5,870	-3,824		0,000		4,094	6,427	
Cota (m):		23,905	23,864				23,859	23,906	
E:		709.199,9375	709.197,8939		709.194,0733		709.189,9833	709.187,5498	
N:		7.090.469,2400	7.090.469,1514		7.090.468,9857		7.090.468,8084	7.090.468,7073	
Station: 18+4									
Dist. Eixo (m):		-5,945	-3,926		0,000		4,011	6,299	
Cota (m):		23,378	23,338				23,336	23,382	
E:		709.200,2107	709.198,1941		709.194,2707		709.190,2638	709.187,9776	
N:		7.090.464,6903	7.090.464,6028		7.090.464,4327		7.090.464,2590	7.090.464,1599	
Station: 18+10									
Dist. Eixo (m):		-5,939	-3,953		0,000		4,007	6,240	
Cota (m):		22,673	22,633				22,632	22,677	
E:		709.200,5306	709.198,5481		709.194,6029		709.190,6032	709.188,3742	
N:		7.090.459,3626	7.090.459,2414		7.090.459,0002		7.090.458,7566	7.090.458,6193	
Station: 19+0									
Dist. Eixo (m):		-5,952	-4,001		0,000		4,002	6,136	
Cota (m):		21,389	21,350				21,350	21,392	
E:		709.201,1537	709.199,2068		709.195,2132		709.191,2186	709.189,0883	
N:		7.090.449,3820	7.090.449,2630		7.090.449,0188		7.090.448,7745	7.090.448,6443	
Station: 19+10									
Dist. Eixo (m):		-6,079	-4,050		0,000		3,997	6,033	
Cota (m):		20,263	20,222				20,223	20,264	
E:		709.201,8909	709.199,8656		709.195,8236		709.191,8341	709.189,8023	
N:		7.090.439,4084	7.090.439,2846		7.090.439,0374		7.090.438,7935	7.090.438,6693	
Station: 20+0									
Dist. Eixo (m):		-6,196	-4,094		0,000		3,992	5,874	
Cota (m):		19,267	19,224				19,227	19,264	
E:		709.202,6186	709.200,5207		709.196,4339		709.192,4495	709.190,5710	
N:		7.090.429,4343	7.090.429,3060		7.090.429,0561		7.090.428,8125	7.090.428,6976	

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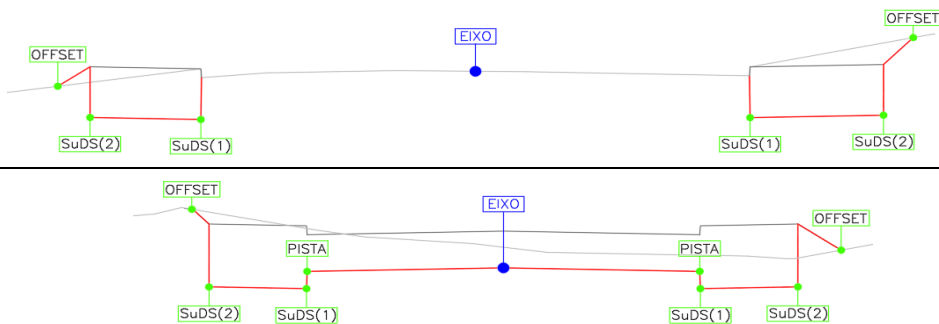
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 20+10									
Dist. Eixo (m):		-6,324	-4,136		0,000		3,964	5,892	
Cota (m):		18,475	18,431				18,435	18,473	
E:		709.203,3566	709.201,1724		709.197,0442		709.193,0878	709.191,1634	
N:		7.090.419,4607	7.090.419,3272		7.090.419,0747		7.090.418,8328	7.090.418,7151	
Station: 21+0									
Dist. Eixo (m):		-6,502	-4,177		0,000		3,916	5,874	
Cota (m):		17,920	17,874				17,879	17,918	
E:		709.204,1448	709.201,8242		709.197,6546		709.193,7455	709.191,7915	
N:		7.090.409,4902	7.090.409,3483		7.090.409,0934		7.090.408,8544	7.090.408,7349	
Station: 21+10									
Dist. Eixo (m):		-6,579	-4,219		0,000		3,869	5,821	
Cota (m):		17,504	17,456				17,463	17,502	
E:		709.204,8320	709.202,4760		709.198,2649		709.194,4032	709.192,4547	
N:		7.090.399,5136	7.090.399,3695		7.090.399,1120		7.090.398,8759	7.090.398,7567	
Station: 22+0									
Dist. Eixo (m):		-6,431	-4,261		0,000		3,821	5,768	
Cota (m):		17,322	17,279				17,287	17,326	
E:		709.205,2942	709.203,1278		709.198,8752		709.195,0608	709.193,1179	
N:		7.090.389,5232	7.090.389,3907		7.090.389,1307		7.090.388,8974	7.090.388,7786	
Station: 22+10									
Dist. Eixo (m):		-6,516	-4,302		0,000		3,774	5,696	
Cota (m):		17,177	17,133				17,143	17,182	
E:		709.205,9895	709.203,7796		709.199,4855		709.195,7185	709.193,8000	
N:		7.090.379,5470	7.090.379,4119		7.090.379,1493		7.090.378,9190	7.090.378,8017	
Station: 23+0									
Dist. Eixo (m):		-6,673	-4,358		0,000		3,764	5,606	
Cota (m):		17,079	17,032				17,044	17,081	
E:		709.206,7567	709.204,4453		709.200,0959		709.196,3386	709.194,5002	
N:		7.090.369,5752	7.090.369,4339		7.090.369,1679		7.090.368,9382	7.090.368,8258	
Station: 23+10									
Dist. Eixo (m):		-7,182	-4,416		0,000		3,812	5,516	
Cota (m):		17,017	16,961				16,973	17,007	
E:		709.207,8744	709.205,1138		709.200,7062		709.196,9008	709.195,2004	
N:		7.090.359,6249	7.090.359,4561		7.090.359,1866		7.090.358,9539	7.090.358,8499	
Station: 24+0									
Dist. Eixo (m):		-7,183	-4,474		0,000		3,861	5,426	
Cota (m):		17,044	16,990				17,002	17,034	
E:		709.208,4858	709.205,7823		709.201,3165		709.197,4631	709.195,9007	
N:		7.090.349,6436	7.090.349,4783		7.090.349,2052		7.090.348,9696	7.090.348,8741	
Station: 24+10									
Dist. Eixo (m):		-7,219	-4,532		0,000		3,909	5,476	
Cota (m):		17,097	17,043				17,055	17,087	
E:		709.209,1320	709.206,4507		709.201,9269		709.198,0253	709.196,4613	
N:		7.090.339,6644	7.090.339,5005		7.090.339,2239		7.090.338,9853	7.090.338,8897	
Station: 25+0									
Dist. Eixo (m):		-7,354	-4,591		0,000		3,957	5,455	
Cota (m):		17,214	17,159				17,172	17,202	
E:		709.209,8775	709.207,1192		709.202,5372		709.198,5876	709.197,0928	
N:		7.090.329,6914	7.090.329,5227		7.090.329,2425		7.090.329,0010	7.090.328,9096	
Station: 25+10									
Dist. Eixo (m):		-7,205	-4,649		0,000		4,005	5,433	
Cota (m):		17,339	17,288				17,301	17,329	
E:		709.210,3395	709.207,7877		709.203,1475		709.199,1498	709.197,7243	
N:		7.090.319,7009	7.090.319,5449		7.090.319,2612		7.090.319,0167	7.090.318,9295	

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RUA FRANCISCO MOSER

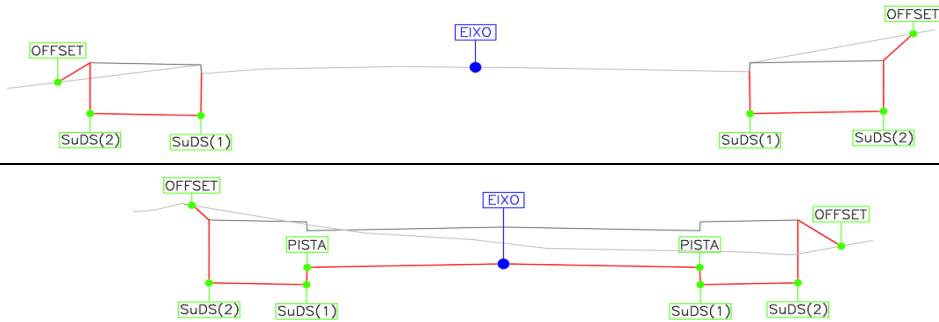
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET	
Station: 26+0										
Dist. Eixo (m):		-6,691	-4,512		0,000		4,177	5,672		
Cota (m):		17,489	17,446				17,452	17,482		
E:		709.210,6211	709.208,4494		709.203,9531		709.199,7901	709.198,3001		
N:		7.090.309,8468	7.090.309,6667		7.090.309,2939		7.090.308,9486	7.090.308,8251		
Station: 26+10										
Dist. Eixo (m):		-6,149	-4,149		0,000		4,137	5,951		
Cota (m):		17,675	17,635				17,635	17,672		
E:		709.210,9072	709.208,9143		709.204,7795		709.200,6568	709.198,8486		
N:		7.090.299,8362	7.090.299,6710		7.090.299,3281		7.090.298,9862	7.090.298,8362		
Station: 27+0										
Dist. Eixo (m):		-5,634	-3,693		0,000		4,097	6,191		
Cota (m):		17,997	17,958				17,950	17,992		
E:		709.211,2211	709.209,2861		709.205,6060		709.201,5234	709.199,4359		
N:		7.090.289,8279	7.090.289,6675		7.090.289,3623		7.090.289,0237	7.090.288,8506		
Station: 27+10										
Dist. Eixo (m):		-5,147	-3,237		0,000		4,056	6,391		
Cota (m):		18,335	18,297				18,281	18,327		
E:		709.211,5619	709.209,6579		709.206,4325		709.202,3901	709.200,0634		
N:		7.090.279,8219	7.090.279,6640		7.090.279,3965		7.090.279,0613	7.090.278,8683		
Station: 28+0										
Dist. Eixo (m):		-4,738	-2,780		0,000		4,016	6,486		
Cota (m):		18,945	18,905				18,881	18,930		
E:		709.211,9812	709.210,0297		709.207,2589		709.203,2567	709.200,7954		
N:		7.090.269,8223	7.090.269,6605		7.090.269,4307		7.090.269,0988	7.090.268,8947		
Station: 28+10										
Dist. Eixo (m):		-4,330	-2,569		0,000		5,727	7,000		
Cota (m):		19,545	19,510				19,447	19,472		
E:		709.212,4005	709.210,6454		709.208,0854		709.202,3785	709.201,1094		
N:		7.090.259,8228	7.090.259,6772		7.090.259,4649		7.090.258,9916	7.090.258,8864		
Station: 30+0										
Dist. Eixo (m):		-4,200	-3,010		0,000		3,010	4,500		
Cota (m):		20,519	20,495				20,495	20,525		
E:		709.213,1373	709.211,9476		709.208,9381		709.205,9286	709.204,4389		
N:		7.090.229,5646	7.090.229,5419		7.090.229,4847		7.090.229,4275	7.090.229,3992		
Station: 30+5										
Dist. Eixo (m):		-4,573	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,523
Cota (m):		21,738	21,787	20,697	21,187	21,247	21,187	20,697	20,727	21,810
E:	709.213,6210	709.213,5479	709.212,0580	709.212,0480	709.209,0485	709.206,0491	709.206,0391	709.204,5493	709.204,5265	
N:	7.090.223,7641	7.090.223,7627	7.090.223,7343	7.090.223,7342	7.090.223,6771	7.090.223,6201	7.090.223,6199	7.090.223,5916	7.090.223,5911	
Station: 30+10										
Dist. Eixo (m):		-4,699	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,542
Cota Camada 1 (m)					21,822	21,882	21,822			
Cota Camada 3 (m)					21,742	21,802	21,742			
Cota Camada 6 (m)					21,702	21,762	21,702			
Cota Camada 7 (m)					21,552	21,612	21,552			
Cota (m):	21,869	22,002	20,912	21,402	21,462	21,402	20,912	20,942	21,973	
E:	709.213,8267	709.213,6276	709.212,1377	709.212,1277	709.209,1282	709.206,1288	709.206,1188	709.204,6290	709.204,5866	
N:	7.090.219,5759	7.090.219,5721	7.090.219,5438	7.090.219,5436	7.090.219,4865	7.090.219,4295	7.090.219,4293	7.090.219,4010	7.090.219,4002	
Station: 31+0										
Dist. Eixo (m):		-4,904	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,717
Cota Camada 1 (m)					22,334	22,394	22,334			
Cota Camada 3 (m)					22,254	22,314	22,254			
Cota Camada 6 (m)					22,214	22,274	22,214			
Cota Camada 7 (m)					22,064	22,124	22,064			
Cota (m):	22,244	22,513	21,424	21,914	21,974	21,914	21,424	21,453	22,369	
E:	709.214,2218	709.213,8177	709.212,3278	709.212,3178	709.209,3183	709.206,3189	709.206,3089	709.204,8192	709.204,6025	
N:	7.090.209,5816	7.090.209,5739	7.090.209,5456	7.090.209,5454	7.090.209,4883	7.090.209,4313	7.090.209,4311	7.090.209,4028	7.090.209,3987	

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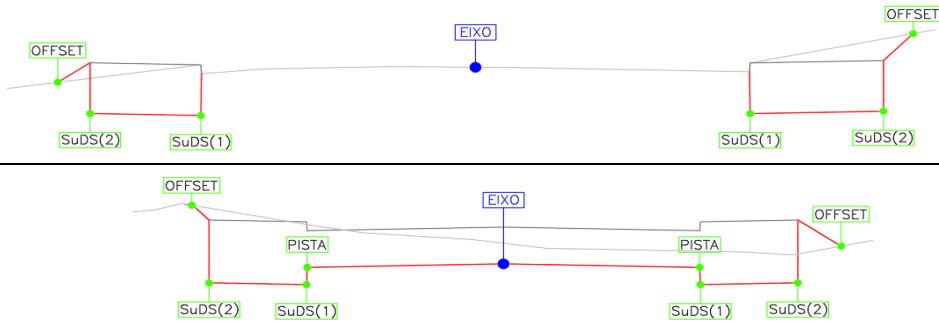
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 31+6									
Dist. Eixo (m):	-4,832	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,649
Cota Camada 1 (m)				22,684	22,744	22,684			
Cota Camada 3 (m)				22,604	22,664	22,604			
Cota Camada 6 (m)				22,564	22,624	22,564			
Cota Camada 7 (m)				22,414	22,474	22,414			
Cota (m):	22,643	22,864	21,774	22,264	22,324	22,264	21,774	21,804	22,765
E:	709.214,2797	709.213,9480	709.212,4581	709.212,4481	709.209,4486	709.206,4491	709.206,4391	709.204,9494	709.204,8001
N:	7.090.202,7298	7.090.202,7235	7.090.202,6952	7.090.202,6950	7.090.202,6380	7.090.202,5809	7.090.202,5808	7.090.202,5524	7.090.202,5496
Station: 31+10									
Dist. Eixo (m):	-4,799	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,613
Cota Camada 1 (m)				22,846	22,906	22,846			
Cota Camada 3 (m)				22,766	22,826	22,766			
Cota Camada 6 (m)				22,726	22,786	22,726			
Cota Camada 7 (m)				22,576	22,636	22,576			
Cota (m):	22,826	23,025	21,936	22,426	22,486	22,426	21,936	21,965	22,950
E:	709.214,3058	709.214,0071	709.212,5172	709.212,5072	709.209,5077	709.206,5082	709.206,4982	709.205,0085	709.204,8952
N:	7.090.199,5802	7.090.199,5746	7.090.199,5466	7.090.199,5464	7.090.199,4901	7.090.199,4338	7.090.199,4336	7.090.199,4057	7.090.199,4036
Station: 32+0									
Dist. Eixo (m):	-4,696	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,727
Cota Camada 1 (m)				23,357	23,417	23,357			
Cota Camada 3 (m)				23,277	23,337	23,277			
Cota Camada 6 (m)				23,237	23,297	23,237			
Cota Camada 7 (m)				23,087	23,147	23,087			
Cota (m):	23,406	23,537	22,447	22,937	22,997	22,937	22,447	22,477	23,386
E:	709.214,3908	709.214,1947	709.212,7048	709.212,6948	709.209,6953	709.206,6959	709.206,6859	709.205,1961	709.204,9696
N:	7.090.189,5800	7.090.189,5763	7.090.189,5484	7.090.189,5482	7.090.189,4919	7.090.189,4356	7.090.189,4354	7.090.189,4074	7.090.189,4032
Station: 32+10									
Dist. Eixo (m):	-4,708	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,854
Cota Camada 1 (m)				23,879	23,939	23,879			
Cota Camada 3 (m)				23,799	23,859	23,799			
Cota Camada 6 (m)				23,759	23,819	23,759			
Cota Camada 7 (m)				23,609	23,669	23,609			
Cota (m):	23,920	24,059	22,969	23,459	23,519	23,459	22,969	22,999	23,823
E:	709.214,5902	709.214,3824	709.212,8925	709.212,8825	709.209,8830	709.206,8835	709.206,8735	709.205,3838	709.205,0296
N:	7.090.179,5820	7.090.179,5781	7.090.179,5501	7.090.179,5499	7.090.179,4936	7.090.179,4374	7.090.179,4372	7.090.179,4092	7.090.179,4026
Station: 33+0									
Dist. Eixo (m):	-4,883	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,977
Cota Camada 1 (m)				24,566	24,626	24,566			
Cota Camada 3 (m)				24,486	24,546	24,486			
Cota Camada 6 (m)				24,446	24,506	24,446			
Cota Camada 7 (m)				24,296	24,356	24,296			
Cota (m):	24,491	24,746	23,656	24,146	24,206	24,146	23,656	23,686	24,428
E:	709.214,9530	709.214,5700	709.213,0801	709.213,0701	709.210,0706	709.207,0712	709.207,0612	709.205,5714	709.205,0943
N:	7.090.169,5870	7.090.169,5799	7.090.169,5519	7.090.169,5517	7.090.169,4954	7.090.169,4391	7.090.169,4389	7.090.169,4110	7.090.169,4020
Station: 33+10									
Dist. Eixo (m):	-4,567	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,929
Cota Camada 1 (m)				25,461	25,521	25,461			
Cota Camada 3 (m)				25,381	25,441	25,381			
Cota Camada 6 (m)				25,341	25,401	25,341			
Cota Camada 7 (m)				25,191	25,251	25,191			
Cota (m):	25,596	25,641	24,551	25,041	25,101	25,041	24,551	24,581	25,355
E:	709.214,8249	709.214,7577	709.213,2677	709.213,2578	709.210,2583	709.207,2588	709.207,2488	709.205,7591	709.205,3301
N:	7.090.159,5829	7.090.159,5816	7.090.159,5536	7.090.159,5535	7.090.159,4972	7.090.159,4409	7.090.159,4407	7.090.159,4127	7.090.159,4047

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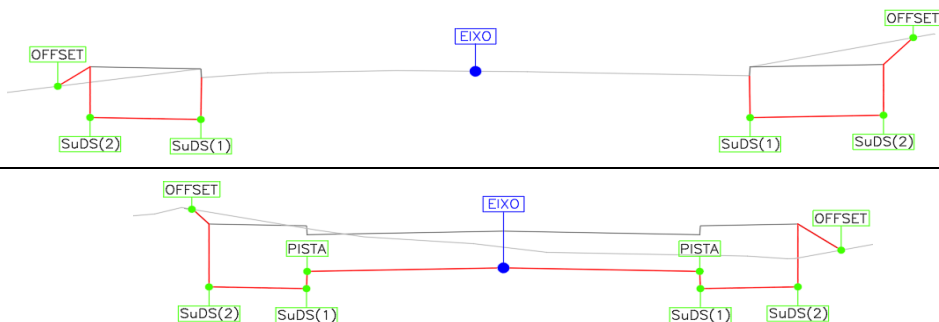
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 34+0									
Dist. Eixo (m):	-4,637	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,931
Cota Camada 1 (m)				26,409	26,469	26,409			
Cota Camada 3 (m)				26,329	26,389	26,329			
Cota Camada 6 (m)				26,289	26,349	26,289			
Cota Camada 7 (m)				26,139	26,199	26,139			
Cota (m):	26,726	26,589	25,499	25,989	26,049	25,989	25,499	25,529	26,302
E:	709.215,0816	709.214,9453	709.213,4554	709.213,4454	709.210,4459	709.207,4465	709.207,4365	709.205,9467	709.205,5155
N:	7.090.149,5859	7.090.149,5834	7.090.149,5554	7.090.149,5552	7.090.149,4989	7.090.149,4426	7.090.149,4424	7.090.149,4145	7.090.149,4064
Station: 34+10									
Dist. Eixo (m):	-4,723	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,876
Cota Camada 1 (m)				27,412	27,472	27,412			
Cota Camada 3 (m)				27,332	27,392	27,332			
Cota Camada 6 (m)				27,292	27,352	27,292			
Cota Camada 7 (m)				27,142	27,202	27,142			
Cota (m):	27,815	27,592	26,502	26,992	27,052	26,992	26,502	26,532	27,341
E:	709.215,3561	709.215,1330	709.213,6430	709.213,6330	709.210,6336	709.207,6341	709.207,6241	709.206,1344	709.205,7587
N:	7.090.139,5893	7.090.139,5851	7.090.139,5572	7.090.139,5570	7.090.139,5007	7.090.139,4444	7.090.139,4442	7.090.139,4162	7.090.139,4092
Station: 35+0									
Dist. Eixo (m):	-4,632	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,617
Cota Camada 1 (m)				28,560	28,620	28,560			
Cota Camada 3 (m)				28,480	28,540	28,480			
Cota Camada 6 (m)				28,440	28,500	28,440			
Cota Camada 7 (m)				28,290	28,350	28,290			
Cota (m):	28,872	28,740	27,650	28,140	28,200	28,140	27,650	27,680	28,662
E:	709.215,4524	709.215,3206	709.213,8307	709.213,8207	709.210,8212	709.207,8218	709.207,8118	709.206,3220	709.206,2054
N:	7.090.129,5894	7.090.129,5869	7.090.129,5589	7.090.129,5587	7.090.129,5024	7.090.129,4462	7.090.129,4460	7.090.129,4180	7.090.129,4158
Station: 35+10									
Dist. Eixo (m):	-4,747	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,634
Cota Camada 1 (m)				29,857	29,917	29,857			
Cota Camada 3 (m)				29,777	29,837	29,777			
Cota Camada 6 (m)				29,737	29,797	29,737			
Cota Camada 7 (m)				29,587	29,647	29,587			
Cota (m):	30,284	30,037	28,947	29,437	29,497	29,437	28,947	28,976	29,947
E:	709.215,7554	709.215,5083	709.214,0183	709.214,0083	709.211,0089	709.208,0094	709.207,9994	709.206,5097	709.206,3759
N:	7.090.119,5933	7.090.119,5887	7.090.119,5607	7.090.119,5605	7.090.119,5042	7.090.119,4479	7.090.119,4477	7.090.119,4198	7.090.119,4173
Station: 35+16									
Dist. Eixo (m):	-4,676	-4,500	-3,006	-2,996	0,000	3,000	3,010	4,500	4,628
Cota Camada 1 (m)				30,834	30,894	30,834			
Cota Camada 3 (m)				30,754	30,814	30,754			
Cota Camada 6 (m)				30,714	30,774	30,714			
Cota Camada 7 (m)				30,564	30,624	30,564			
Cota (m):	31,190	31,014	29,924	30,414	30,474	30,414	29,924	29,954	30,157
E:	709.215,8195	709.215,6437	709.214,1474	709.214,1374	709.211,1380	709.208,1385	709.208,1285	709.206,6388	709.206,5106
N:	7.090.112,7136	7.090.112,7103	7.090.112,6822	7.090.112,6820	7.090.112,6257	7.090.112,5695	7.090.112,5693	7.090.112,5413	7.090.112,5389
Station: 36+0									
Dist. Eixo (m):	-4,662	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,570
Cota Camada 1 (m)				31,300	31,360	31,300			
Cota Camada 3 (m)				31,220	31,280	31,220			
Cota Camada 6 (m)				31,180	31,240	31,180			
Cota Camada 7 (m)				31,030	31,090	31,030			
Cota (m):	31,642	31,480	30,390	30,880	30,940	30,880	30,390	30,420	30,562
E:	709.216,0115	709.215,8500	709.214,3637	709.214,3537	709.211,3614	709.208,3691	709.208,3591	709.206,8729	709.206,8033
N:	7.090.109,8472	7.090.109,8357	7.090.109,7290	7.090.109,7282	7.090.109,5134	7.090.109,2986	7.090.109,2979	7.090.109,1912	7.090.109,1862

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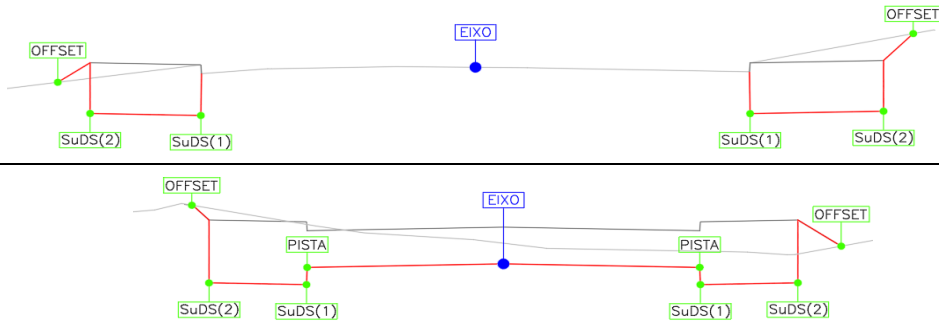
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 36+10									
Dist. Eixo (m):	-4,582	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	
Cota Camada 1 (m)				32,837	32,897	32,837			
Cota Camada 3 (m)				32,757	32,817	32,757			
Cota Camada 6 (m)				32,717	32,777	32,717			
Cota Camada 7 (m)				32,567	32,627	32,567			
Cota (m):	33,099	33,017	31,927	32,417	32,477	32,417	31,927	31,957	
E:	709.216,6475	709.216,5661	709.215,0797	709.215,0697	709.212,0774	709.209,0851	709.209,0751	709.207,5890	
N:	7.090.099,8672	7.090.099,8613	7.090.099,7546	7.090.099,7539	7.090.099,5391	7.090.099,3243	7.090.099,3236	7.090.099,2169	
Station: 37+0									
Dist. Eixo (m):	-4,552	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	
Cota Camada 1 (m)				34,365	34,425	34,365			
Cota Camada 3 (m)				34,285	34,345	34,285			
Cota Camada 6 (m)				34,245	34,305	34,245			
Cota Camada 7 (m)				34,095	34,155	34,095			
Cota (m):	34,510	34,545	33,455	33,945	34,005	33,945	33,455	33,485	
E:	709.217,3339	709.217,2821	709.215,7957	709.215,7857	709.212,7934	709.209,8011	709.209,7912	709.208,3050	
N:	7.090.089,8907	7.090.089,8870	7.090.089,7803	7.090.089,7796	7.090.089,5648	7.090.089,3500	7.090.089,3492	7.090.089,2426	
Station: 37+10									
Dist. Eixo (m):	-5,062	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	
Cota Camada 1 (m)				35,149	35,209	35,149			
Cota Camada 3 (m)				35,069	35,129	35,069			
Cota Camada 6 (m)				35,029	35,089	35,029			
Cota Camada 7 (m)				34,879	34,939	34,879			
Cota (m):	35,890	35,329	34,239	34,729	34,789	34,729	34,239	34,268	
E:	709.218,5582	709.217,9981	709.216,5117	709.216,5017	709.213,5094	709.210,5171	709.210,5072	709.209,0210	
N:	7.090.079,9529	7.090.079,9127	7.090.079,8060	7.090.079,8052	7.090.079,5904	7.090.079,3756	7.090.079,3749	7.090.079,2682	
Station: 37+14									
Dist. Eixo (m):	-4,743	-4,500	-3,010	-3,000	0,000	2,999	3,009	4,499	5,163
Cota Camada 1 (m)				35,118	35,178	35,118			
Cota Camada 3 (m)				35,038	35,098	35,038			
Cota Camada 6 (m)				34,998	35,058	34,998			
Cota Camada 7 (m)				34,848	34,908	34,848			
Cota (m):	35,541	35,298	34,208	34,698	34,758	34,698	34,208	34,238	34,855
E:	709.218,5525	709.218,3101	709.216,8238	709.216,8138	709.213,8215	709.210,8292	709.210,8192	709.209,3330	709.208,6700
N:	7.090.075,5834	7.090.075,5660	7.090.075,4593	7.090.075,4586	7.090.075,2438	7.090.075,0290	7.090.075,0283	7.090.074,9216	7.090.074,8740
Station: 38+0									
Dist. Eixo (m):	-4,558	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	5,015
Cota Camada 1 (m)				34,755	34,815	34,755			
Cota Camada 3 (m)				34,675	34,735	34,675			
Cota Camada 6 (m)				34,635	34,695	34,635			
Cota Camada 7 (m)				34,485	34,545	34,485			
Cota (m):	34,896	34,934	33,845	34,335	34,395	34,335	33,845	33,875	34,591
E:	709.218,6373	709.218,5796	709.217,0910	709.217,0810	709.214,0843	709.211,0875	709.211,0775	709.209,5892	709.209,0747
N:	7.090.069,8200	7.090.069,8173	7.090.069,7479	7.090.069,7475	7.090.069,6077	7.090.069,4680	7.090.069,4675	7.090.069,3981	7.090.069,3742
Station: 38+10									
Dist. Eixo (m):	-4,799	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,830
Cota Camada 1 (m)				33,908	33,968	33,908			
Cota Camada 3 (m)				33,828	33,888	33,828			
Cota Camada 6 (m)				33,788	33,848	33,788			
Cota Camada 7 (m)				33,638	33,698	33,638			
Cota (m):	33,888	34,088	32,998	33,488	33,548	33,488	32,998	33,028	33,868
E:	709.219,3443	709.219,0454	709.217,5568	709.217,5468	709.214,5500	709.211,5533	709.211,5433	709.210,0549	709.209,7255
N:	7.090.059,8421	7.090.059,8282	7.090.059,7588	7.090.059,7583	7.090.059,6186	7.090.059,4789	7.090.059,4784	7.090.059,4090	7.090.059,3936

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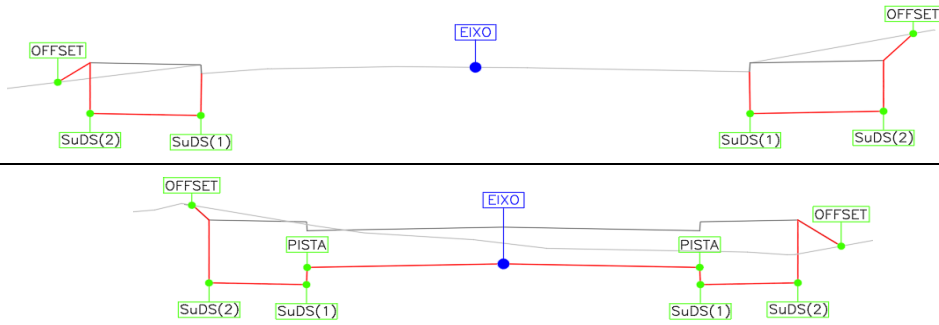
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 39+0									
Dist. Eixo (m):	-4,632	-4,503	-3,010	-3,000	0,000	3,000	3,010	4,500	4,789
Cota Camada 1 (m)				32,528	32,588	32,528			
Cota Camada 3 (m)				32,448	32,508	32,448			
Cota Camada 6 (m)				32,408	32,468	32,408			
Cota Camada 7 (m)				32,258	32,318	32,258			
Cota (m):	32,707	32,706	31,618	32,108	32,168	32,108	31,618	31,648	32,515
E:	709.219,6423	709.219,5136	709.218,0225	709.218,0126	709.215,0158	709.212,0191	709.212,0091	709.210,5207	709.210,2322
N:	7.090.049,8452	7.090.049,8392	7.090.049,7696	7.090.049,7692	7.090.049,6294	7.090.049,4897	7.090.049,4893	7.090.049,4199	7.090.049,4064
Station: 39+10									
Dist. Eixo (m):	-4,546	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,627
Cota Camada 1 (m)				30,308	30,368	30,308			
Cota Camada 3 (m)				30,228	30,288	30,228			
Cota Camada 6 (m)				30,188	30,248	30,188			
Cota Camada 7 (m)				30,038	30,098	30,038			
Cota (m):	30,534	30,488	29,398	29,888	29,948	29,888	29,398	29,428	30,615
E:	709.220,0224	709.219,9769	709.218,4883	709.218,4783	709.215,4816	709.212,4848	709.212,4748	709.210,9865	709.210,8597
N:	7.090.039,8520	7.090.039,8499	7.090.039,7805	7.090.039,7800	7.090.039,6403	7.090.039,5006	7.090.039,5001	7.090.039,4307	7.090.039,4248
Station: 40+0									
Dist. Eixo (m):	-4,900	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,689
Cota Camada 1 (m)				27,775	27,835	27,775			
Cota Camada 3 (m)				27,695	27,755	27,695			
Cota Camada 6 (m)				27,655	27,715	27,655			
Cota Camada 7 (m)				27,505	27,565	27,505			
Cota (m):	27,688	27,955	26,865	27,355	27,415	27,355	26,865	26,895	28,144
E:	709.220,8419	709.220,4427	709.218,9541	709.218,9441	709.215,9473	709.212,9506	709.212,9406	709.211,4522	709.211,2636
N:	7.090.029,8794	7.090.029,8608	7.090.029,7913	7.090.029,7909	7.090.029,6512	7.090.029,5114	7.090.029,5110	7.090.029,4416	7.090.029,4328
Station: 40+10									
Dist. Eixo (m):	-5,103	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	4,514
Cota Camada 1 (m)				25,242	25,302	25,242			
Cota Camada 3 (m)				25,162	25,222	25,162			
Cota Camada 6 (m)				25,122	25,182	25,122			
Cota Camada 7 (m)				24,972	25,032	24,972			
Cota (m):	25,020	25,422	24,332	24,822	24,882	24,822	24,332	24,362	25,436
E:	709.221,5109	709.220,9084	709.219,4199	709.219,4099	709.216,4131	709.213,4164	709.213,4064	709.211,9180	709.211,9038
N:	7.090.019,8997	7.090.019,8716	7.090.019,8022	7.090.019,8017	7.090.019,6620	7.090.019,5223	7.090.019,5218	7.090.019,4524	7.090.019,4517
Station: 41+0									
Dist. Eixo (m):	-5,224	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	5,033
Cota Camada 1 (m)				22,710	22,770	22,710			
Cota Camada 3 (m)				22,630	22,690	22,630			
Cota Camada 6 (m)				22,590	22,650	22,590			
Cota Camada 7 (m)				22,440	22,500	22,440			
Cota (m):	22,407	22,889	21,800	22,290	22,350	22,290	21,800	21,829	22,534
E:	709.222,0970	709.221,3742	709.219,8856	709.219,8756	709.216,8789	709.213,8821	709.213,8722	709.212,3838	709.211,8516
N:	7.090.009,9162	7.090.009,8825	7.090.009,8131	7.090.009,8126	7.090.009,6729	7.090.009,5331	7.090.009,5327	7.090.009,4633	7.090.009,4384
Station: 41+10									
Dist. Eixo (m):	-5,570	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	5,460
Cota Camada 1 (m)				20,235	20,295	20,235			
Cota Camada 3 (m)				20,155	20,215	20,155			
Cota Camada 6 (m)				20,115	20,175	20,115			
Cota Camada 7 (m)				19,965	20,025	19,965			
Cota (m):	19,701	20,414	19,325	19,815	19,875	19,815	19,325	19,354	19,774
E:	709.222,9083	709.221,8400	709.220,3514	709.220,3414	709.217,3447	709.214,3479	709.214,3379	709.212,8495	709.211,8905
N:	7.089.999,9431	7.089.999,8933	7.089.999,8239	7.089.999,8234	7.089.999,6837	7.089.999,5440	7.089.999,5435	7.089.999,4741	7.089.999,4294

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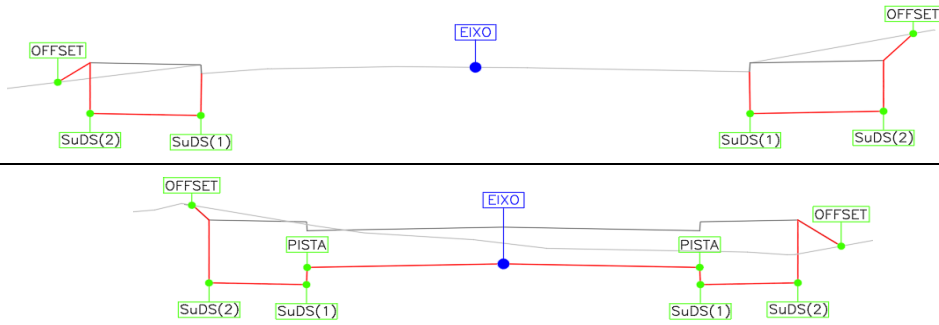
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 42+0									
Dist. Eixo (m):	-5,634	-4,500	-3,010	-3,000	0,000	3,000	3,010	4,500	5,322
Cota Camada 1 (m)				17,863	17,923	17,863			
Cota Camada 3 (m)				17,783	17,843	17,783			
Cota Camada 6 (m)				17,743	17,803	17,743			
Cota Camada 7 (m)				17,593	17,653	17,593			
Cota (m):	17,286	18,042	16,953	17,443	17,503	17,443	16,953	16,982	17,495
E:	709.223,4385	709.222,3057	709.220,8172	709.220,8072	709.217,8104	709.214,8137	709.214,8037	709.213,3153	709.212,4947
N:	7.089.989,9570	7.089.989,9042	7.089.989,8348	7.089.989,8343	7.089.989,6946	7.089.989,5548	7.089.989,5544	7.089.989,4850	7.089.989,4467
Station: 42+10									
Dist. Eixo (m):	-5,700	-4,500	-3,010	-3,000	0,000	3,000	3,010	7,100	
Cota Camada 1 (m)				15,737	15,797	15,737			
Cota Camada 3 (m)				15,657	15,717	15,657			
Cota Camada 6 (m)				15,617	15,677	15,617			
Cota Camada 7 (m)				15,467	15,527	15,467			
Cota (m):	15,117	15,917	14,827	15,317	15,377	15,317	14,827	14,909	
E:	709.223,9696	709.222,7715	709.221,2829	709.221,2729	709.218,2762	709.215,2795	709.215,2695	709.211,1836	
N:	7.089.979,9709	7.089.979,9150	7.089.979,8456	7.089.979,8451	7.089.979,7054	7.089.979,5657	7.089.979,5652	7.089.979,3747	
Station: 43+0									
Dist. Eixo (m):	-4,950	-4,500	-3,010	-3,000	0,000	3,000	3,010	7,045	
Cota Camada 1 (m)				14,177	14,237	14,177			
Cota Camada 3 (m)				14,097	14,157	14,097			
Cota Camada 6 (m)				14,057	14,117	14,057			
Cota Camada 7 (m)				13,907	13,967	13,907			
Cota (m):	14,057	14,357	13,267	13,757	13,817	13,757	13,267	13,348	
E:	709.223,6870	709.223,2373	709.221,7487	709.221,7387	709.218,7420	709.215,7452	709.215,7352	709.211,7050	
N:	7.089.969,9468	7.089.969,9259	7.089.969,8565	7.089.969,8560	7.089.969,7163	7.089.969,5765	7.089.969,5761	7.089.969,3882	
Station: 43+10									
Dist. Eixo (m):	-4,777	-4,500	-3,010	-3,000	0,000	3,000	3,010	6,989	
Cota Camada 1 (m)				13,192	13,252	13,192			
Cota Camada 3 (m)				13,112	13,172	13,112			
Cota Camada 6 (m)				13,072	13,132	13,072			
Cota Camada 7 (m)				12,922	12,982	12,922			
Cota (m):	13,187	13,372	12,282	12,772	12,832	12,772	12,282	12,362	
E:	709.223,9795	709.223,7031	709.222,2145	709.222,2045	709.219,2077	709.216,2110	709.216,2010	709.212,2264	
N:	7.089.959,9496	7.089.959,9367	7.089.959,8673	7.089.959,8669	7.089.959,7271	7.089.959,5874	7.089.959,5869	7.089.959,4016	
Station: 44+0									
Dist. Eixo (m):	-4,646	-4,500	-3,010	-3,000	0,000	3,000	3,010	7,222	
Cota Camada 1 (m)				12,780	12,840	12,780			
Cota Camada 3 (m)				12,700	12,760	12,700			
Cota Camada 6 (m)				12,660	12,720	12,660			
Cota Camada 7 (m)				12,510	12,570	12,510			
Cota (m):	12,863	12,960	11,870	12,360	12,420	12,360	11,870	11,955	
E:	709.224,3140	709.224,1688	709.222,6802	709.222,6702	709.219,6735	709.216,6768	709.216,6668	709.212,4593	
N:	7.089.949,9544	7.089.949,9476	7.089.949,8782	7.089.949,8777	7.089.949,7380	7.089.949,5982	7.089.949,5978	7.089.949,4016	
Station: 44+10									
Dist. Eixo (m):	-4,998	-4,500	-3,010	-3,000	0,000	3,000	3,010	7,284	
Cota Camada 1 (m)				12,742	12,802	12,742			
Cota Camada 3 (m)				12,662	12,722	12,662			
Cota Camada 6 (m)				12,622	12,682	12,622			
Cota Camada 7 (m)				12,472	12,532	12,472			
Cota (m):	12,590	12,922	11,832	12,322	12,382	12,322	11,832	11,917	
E:	709.225,1321	709.224,6346	709.223,1460	709.223,1360	709.220,1393	709.217,1425	709.217,1325	709.212,8633	
N:	7.089.939,9816	7.089.939,9584	7.089.939,8890	7.089.939,8886	7.089.939,7488	7.089.939,6091	7.089.939,6086	7.089.939,4096	

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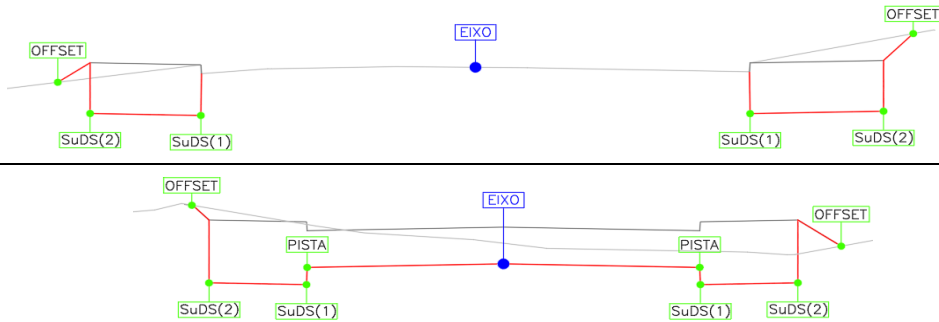
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 45+0									
Dist. Eixo (m):	-4,952	-4,500	-3,010	-3,000	0,000	3,000	3,010	6,310	
Cota Camada 1 (m)				12,711	12,771	12,711			
Cota Camada 3 (m)				12,631	12,691	12,631			
Cota Camada 6 (m)				12,591	12,651	12,591			
Cota Camada 7 (m)				12,441	12,501	12,441			
Cota (m):	12,590	12,891	11,801	12,291	12,351	12,291	11,801	11,867	
E:	709.225,5515	709.225,1004	709.223,6118	709.223,6018	709.220,6050	709.217,6083	709.217,5983	709.214,3018	
N:	7.089.929,9903	7.089.929,9693	7.089.929,8999	7.089.929,8994	7.089.929,7597	7.089.929,6200	7.089.929,6195	7.089.929,4658	
Station: 45+10									
Dist. Eixo (m):	-4,931	-4,505	-2,986	-2,976	0,000	3,000	3,010	6,059	
Cota Camada 1 (m)				12,681	12,740	12,680			
Cota Camada 3 (m)				12,601	12,660	12,600			
Cota Camada 6 (m)				12,561	12,620	12,560			
Cota Camada 7 (m)				12,411	12,470	12,410			
Cota (m):	12,577	11,801	11,771	12,261	12,320	12,260	11,770	11,831	
E:	709.225,9962	709.225,5708	709.224,0540	709.224,0440	709.221,0708	709.218,0741	709.218,0641	709.215,0185	
N:	7.089.920,0002	7.089.919,9804	7.089.919,9096	7.089.919,9092	7.089.919,7705	7.089.919,6308	7.089.919,6303	7.089.919,4883	
Station: 45+19									
Dist. Eixo (m):	-5,108	-4,593	-2,964	-2,954	0,000	3,223	3,227	4,714	
Cota Camada 1 (m)				12,653	12,712	12,648			
Cota Camada 3 (m)				12,573	12,632	12,568			
Cota Camada 6 (m)				12,533	12,592	12,528			
Cota Camada 7 (m)				12,383	12,442	12,378			
Cota (m):	12,492	12,835	11,743	12,233	12,292	12,228	11,998	11,767	
E:	709.226,5952	709.226,0813	709.224,4538	709.224,4438	709.221,4940	709.218,2740	709.218,2693	709.216,7841	
N:	7.089.910,9501	7.089.910,9262	7.089.910,8503	7.089.910,8498	7.089.910,7123	7.089.910,5621	7.089.910,5619	7.089.910,4927	
Station: 46+0									
Dist. Eixo (m):	-5,135	-4,612	-2,972	-2,962	0,000	3,248	3,258	6,445	
Cota Camada 1 (m)				12,650	12,709	12,644			
Cota Camada 3 (m)				12,570	12,629	12,564			
Cota Camada 6 (m)				12,530	12,589	12,524			
Cota Camada 7 (m)				12,380	12,439	12,374			
Cota (m):	12,484	12,833	11,740	12,230	12,289	12,224	11,734	11,798	
E:	709.226,6669	709.226,1444	709.224,5065	709.224,4965	709.221,5380	709.218,2945	709.218,2845	709.215,1013	
N:	7.089.910,0366	7.089.910,0106	7.089.909,9291	7.089.909,9286	7.089.909,7815	7.089.909,6201	7.089.909,6196	7.089.909,4613	
Station: 46+10									
Dist. Eixo (m):	-5,598	-4,985	-3,239	-3,229	0,000	3,338	3,348	6,290	
Cota Camada 1 (m)				12,614	12,678	12,611			
Cota Camada 3 (m)				12,534	12,598	12,531			
Cota Camada 6 (m)				12,494	12,558	12,491			
Cota Camada 7 (m)				12,344	12,408	12,341			
Cota (m):	12,390	12,798	11,704	12,194	12,258	12,191	11,701	11,760	
E:	709.227,7796	709.227,1693	709.225,4289	709.225,4189	709.222,2012	709.218,8742	709.218,8643	709.215,9332	
N:	7.089.900,2682	7.089.900,2174	7.089.900,0726	7.089.900,0717	7.089.899,8039	7.089.899,5270	7.089.899,5262	7.089.899,2823	
Station: 47+0									
Dist. Eixo (m):	-6,018	-5,310	-3,479	-3,469	0,000	3,453	3,463	6,000	
Cota Camada 1 (m)				12,578	12,647	12,578			
Cota Camada 3 (m)				12,498	12,567	12,498			
Cota Camada 6 (m)				12,458	12,527	12,458			
Cota Camada 7 (m)				12,308	12,377	12,308			
Cota (m):	12,292	12,764	11,668	12,158	12,227	12,158	11,668	11,719	
E:	709.229,1733	709.228,4701	709.226,6519	709.226,6420	709.223,1965	709.219,7672	709.219,7573	709.217,2371	
N:	7.089.890,5527	7.089.890,4705	7.089.890,2580	7.089.890,2568	7.089.889,8541	7.089.889,4532	7.089.889,4520	7.089.889,1574	

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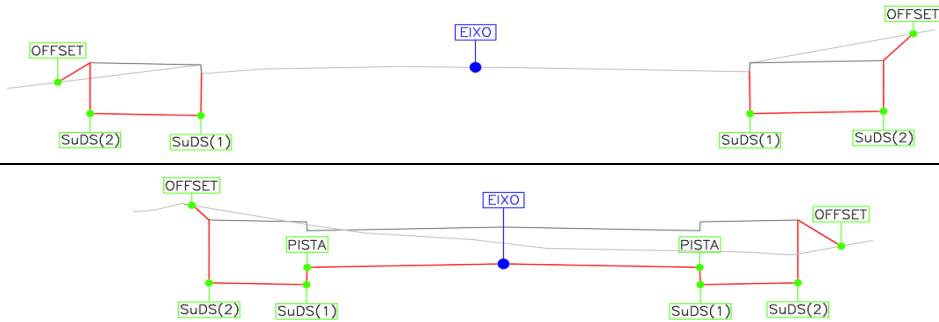
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 47+2									
Dist. Eixo (m):	-6,042	-5,319	-3,470	-3,462	0,000	3,545	3,552	5,999	
Cota Camada 1 (m)				12,447	12,640	12,569			
Cota Camada 3 (m)				12,367	12,560	12,489			
Cota Camada 6 (m)				12,327	12,520	12,449			
Cota Camada 7 (m)				12,177	12,370	12,299			
Cota (m):	12,275	12,758	11,661	12,027	12,220	12,149	11,783	11,708	
E:	709.229,4776	709.228,7599	709.226,9249	709.226,9175	709.223,4828	709.219,9645	709.219,9571	709.217,5291	
N:	7.089.888,2409	7.089.888,1512	7.089.887,9219	7.089.887,9210	7.089.887,4919	7.089.887,0523	7.089.887,0514	7.089.886,7480	
Station: 47+10									
Dist. Eixo (m):	-6,216	-5,445	-3,541	-3,531	0,000	3,740	3,750	6,000	
Cota Camada 1 (m)				12,546	12,616	12,542			
Cota Camada 3 (m)				12,466	12,536	12,462			
Cota Camada 6 (m)				12,426	12,496	12,422			
Cota Camada 7 (m)				12,276	12,346	12,272			
Cota (m):	12,219	12,734	11,636	12,126	12,196	12,122	11,632	11,677	
E:	709.230,6698	709.229,9068	709.228,0242	709.228,0143	709.224,5228	709.220,8245	709.220,8146	709.218,5899	
N:	7.089.880,8700	7.089.880,7549	7.089.880,4710	7.089.880,4695	7.089.879,9429	7.089.879,3851	7.089.879,3836	7.089.879,0480	
Station: 48+0									
Dist. Eixo (m):	-6,481	-5,846	-3,884	-3,874	0,000	3,750	3,760	6,000	
Cota Camada 1 (m)				12,508	12,585	12,510			
Cota Camada 3 (m)				12,428	12,505	12,430			
Cota Camada 6 (m)				12,388	12,465	12,390			
Cota Camada 7 (m)				12,238	12,315	12,240			
Cota (m):	12,274	12,697	11,598	12,088	12,165	12,090	11,600	11,645	
E:	709.232,5514	709.231,9275	709.229,9979	709.229,9881	709.226,1788	709.222,4916	709.222,4818	709.220,2790	
N:	7.089.871,2610	7.089.871,1455	7.089.870,7883	7.089.870,7865	7.089.870,0814	7.089.869,3989	7.089.869,3971	7.089.868,9893	
Station: 48+5									
Dist. Eixo (m):	-6,541	-6,042	-4,059	-4,050	0,000	3,769	3,779	5,999	
Cota Camada 1 (m)				12,410	12,568	12,492			
Cota Camada 3 (m)				12,330	12,488	12,412			
Cota Camada 6 (m)				12,290	12,448	12,372			
Cota Camada 7 (m)				12,140	12,298	12,222			
Cota (m):	12,345	12,676	11,577	11,990	12,148	12,072	11,582	11,627	
E:	709.233,6760	709.233,1868	709.231,2437	709.231,2355	709.227,2683	709.223,5749	709.223,5651	709.221,3901	
N:	7.089.865,8082	7.089.865,7081	7.089.865,3101	7.089.865,3084	7.089.864,4960	7.089.863,7396	7.089.863,7376	7.089.863,2921	
Station: 48+10									
Dist. Eixo (m):	-6,476	-6,083	-4,093	-4,083	0,000	3,868	3,878	6,000	
Cota Camada 1 (m)				12,473	12,555	12,477			
Cota Camada 3 (m)				12,393	12,475	12,397			
Cota Camada 6 (m)				12,353	12,435	12,357			
Cota Camada 7 (m)				12,203	12,285	12,207			
Cota (m):	12,401	12,663	11,563	12,053	12,135	12,057	11,567	11,610	
E:	709.234,4763	709.234,0914	709.232,1417	709.232,1319	709.228,1321	709.224,3429	709.224,3331	709.222,2537	
N:	7.089.861,5735	7.089.861,4947	7.089.861,0954	7.089.861,0934	7.089.860,2742	7.089.859,4982	7.089.859,4962	7.089.859,0704	
Station: 49+0									
Dist. Eixo (m):	-6,321	-6,031	-4,041	-4,031	0,000	3,970	3,980	6,001	
Cota Camada 1 (m)				12,443	12,524	12,444			
Cota Camada 3 (m)				12,363	12,444	12,364			
Cota Camada 6 (m)				12,323	12,404	12,324			
Cota Camada 7 (m)				12,173	12,254	12,174			
Cota (m):	12,439	12,633	11,533	12,023	12,104	12,024	11,534	11,575	
E:	709.236,3312	709.236,0471	709.234,0971	709.234,0873	709.230,1384	709.226,2490	709.226,2392	709.224,2594	
N:	7.089.851,7458	7.089.851,6876	7.089.851,2883	7.089.851,2863	7.089.850,4776	7.089.849,6810	7.089.849,6790	7.089.849,2736	

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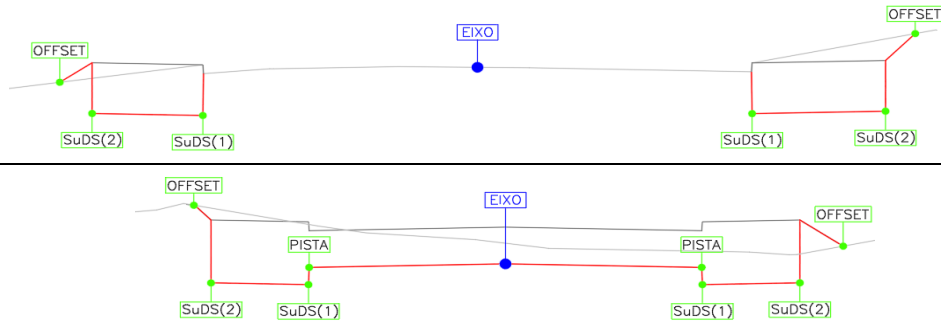
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 49+7									
Dist. Eixo (m):	-6,430	-6,089	-4,099	-4,089	0,000	3,911	3,921	6,013	
Cota Camada 1 (m)				12,419	12,501	12,422			
Cota Camada 3 (m)				12,339	12,421	12,342			
Cota Camada 6 (m)				12,299	12,381	12,302			
Cota Camada 7 (m)				12,149	12,231	12,152			
Cota (m):	12,381	12,609	11,509	11,999	12,081	12,002	11,512	11,554	
E:	709.237,9328	709.237,5984	709.235,6486	709.235,6388	709.231,6329	709.227,8012	709.227,7914	709.225,7420	
N:	7.089.844,4694	7.089.844,4009	7.089.844,0016	7.089.843,9996	7.089.843,1792	7.089.842,3945	7.089.842,3925	7.089.841,9728	
Station: 49+10									
Dist. Eixo (m):	-6,464	-6,106	-4,116	-4,106	0,000	3,894	3,904	6,021	
Cota Camada 1 (m)				12,411	12,493	12,415			
Cota Camada 3 (m)				12,331	12,413	12,335			
Cota Camada 6 (m)				12,291	12,373	12,295			
Cota Camada 7 (m)				12,141	12,223	12,145			
Cota (m):	12,362	12,600	11,501	11,991	12,073	11,995	11,505	11,547	
E:	709.238,4764	709.238,1240	709.236,1647	709.236,1548	709.232,1128	709.228,2790	709.228,2692	709.226,1854	
N:	7.089.841,8096	7.089.841,7468	7.089.841,3973	7.089.841,3956	7.089.840,6746	7.089.839,9909	7.089.839,9891	7.089.839,6175	
Station: 49+16									
Dist. Eixo (m):	-6,488	-6,088	-4,098	-4,089	0,000	3,912	3,922	6,040	
Cota Camada 1 (m)				12,374	12,474	12,396			
Cota Camada 3 (m)				12,294	12,394	12,316			
Cota Camada 6 (m)				12,254	12,354	12,276			
Cota Camada 7 (m)				12,104	12,204	12,126			
Cota (m):	12,316	12,582	11,482	11,954	12,054	11,976	11,504	11,528	
E:	709.239,4418	709.239,0451	709.237,0681	709.237,0586	709.232,9966	709.229,1114	709.229,1019	709.226,9973	
N:	7.089.835,4138	7.089.835,3676	7.089.835,1378	7.089.835,1367	7.089.834,6644	7.089.834,2127	7.089.834,2116	7.089.833,9669	
Station: 50+0									
Dist. Eixo (m):	-6,426	-6,037	-4,046	-4,036	0,000	3,960	3,970	6,052	
Cota Camada 1 (m)				12,381	12,462	12,383			
Cota Camada 3 (m)				12,301	12,382	12,303			
Cota Camada 6 (m)				12,261	12,342	12,263			
Cota Camada 7 (m)				12,111	12,192	12,113			
Cota (m):	12,312	12,571	11,471	11,961	12,042	11,963	11,473	11,514	
E:	709.239,7808	709.239,3932	709.237,4086	709.237,3986	709.233,3740	709.229,4259	709.229,4159	709.227,3397	
N:	7.089.831,2498	7.089.831,2201	7.089.831,0679	7.089.831,0672	7.089.830,7587	7.089.830,4561	7.089.830,4553	7.089.830,2962	
Station: 50+4									
Dist. Eixo (m):	-6,291	-6,097	-4,008	-4,002	0,000	4,002	4,008	6,059	
Cota Camada 1 (m)				12,191	12,447	12,367			
Cota Camada 3 (m)				12,111	12,367	12,287			
Cota Camada 6 (m)				12,071	12,327	12,247			
Cota Camada 7 (m)				11,921	12,177	12,097			
Cota (m):	12,362	12,491	11,457	11,771	12,027	11,947	11,625	11,498	
E:	709.239,9116	709.239,7172	709.237,6296	709.237,6232	709.233,6214	709.229,6232	709.229,6166	709.227,5666	
N:	7.089.826,2493	7.089.826,2436	7.089.826,1820	7.089.826,1819	7.089.826,0638	7.089.825,9459	7.089.825,9457	7.089.825,8853	
Station: 50+10									
Dist. Eixo (m):	-6,198	-6,000	-4,010	-4,000	0,000	4,000	4,010	6,049	
Cota Camada 1 (m)				12,351	12,431	12,351			
Cota Camada 3 (m)				12,271	12,351	12,271			
Cota Camada 6 (m)				12,231	12,311	12,231			
Cota Camada 7 (m)				12,081	12,161	12,081			
Cota (m):	12,409	12,541	11,441	11,931	12,011	11,931	11,441	11,482	
E:	709.239,9741	709.239,7767	709.237,7874	709.237,7774	709.233,7791	709.229,7809	709.229,7709	709.227,7325	
N:	7.089.820,9507	7.089.820,9449	7.089.820,8862	7.089.820,8859	7.089.820,7680	7.089.820,6501	7.089.820,6498	7.089.820,5897	

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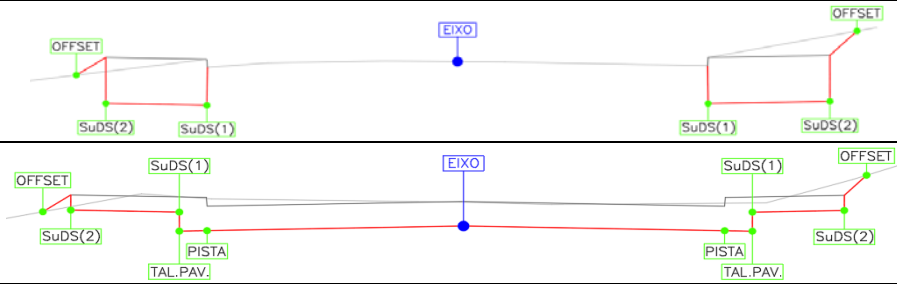
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 51+0									
Dist. Eixo (m):		-6,004	-4,010	-4,000	0,000	4,000	4,010	6,034	
Cota Camada 1 (m)				12,320	12,400	12,320			
Cota Camada 3 (m)				12,240	12,320	12,240			
Cota Camada 6 (m)				12,200	12,280	12,200			
Cota Camada 7 (m)				12,050	12,130	12,050			
Cota (m):		12,507	11,410	11,900	11,980	11,900	11,410	11,450	
E:		709.240,0755	709.238,0822	709.238,0722	709.234,0739	709.230,0757	709.230,0657	709.228,0426	
N:		7.089.810,9494	7.089.810,8906	7.089.810,8903	7.089.810,7724	7.089.810,6545	7.089.810,6542	7.089.810,5945	
Station: 51+10									
Dist. Eixo (m):		-6,000	-4,010	-4,000	0,000	4,000	4,010	6,019	
Cota Camada 1 (m)				12,289	12,369	12,289			
Cota Camada 3 (m)				12,209	12,289	12,209			
Cota Camada 6 (m)				12,169	12,249	12,169			
Cota Camada 7 (m)				12,019	12,099	12,019			
Cota (m):		12,479	11,379	11,869	11,949	11,869	11,379	11,419	
E:		709.240,3663	709.238,3770	709.238,3670	709.234,3687	709.230,3704	709.230,3604	709.228,3527	
N:		7.089.800,9536	7.089.800,8949	7.089.800,8946	7.089.800,7767	7.089.800,6588	7.089.800,6585	7.089.800,5993	
Station: 52+0									
Dist. Eixo (m):		-6,482	-4,377	-4,367	0,000	4,019	4,029	5,971	
Cota Camada 1 (m)				12,266	12,338	12,259			
Cota Camada 3 (m)				12,186	12,258	12,179			
Cota Camada 6 (m)				12,146	12,218	12,139			
Cota Camada 7 (m)				11,996	12,068	11,989			
Cota (m):		12,458	11,356	11,846	11,918	11,839	11,349	11,388	
E:		709.241,1422	709.239,0382	709.239,0282	709.234,6635	709.230,6462	709.230,6362	709.228,6949	
N:		7.089.790,9721	7.089.790,9101	7.089.790,9098	7.089.790,7811	7.089.790,6626	7.089.790,6623	7.089.790,6050	

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DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA HAROLD C. MIERS

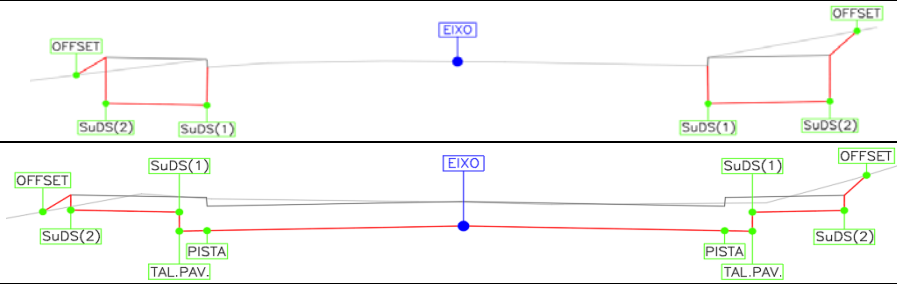
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):		-6,200	-5,010			0,000			5,010	6,200	
Cota (m):		16,557	16,533						16,533	16,557	
E:		708.821,4471	708.820,2584			708.815,2539			708.810,2494	708.809,0607	
N:		7.090.687,3754	7.090.687,3198			7.090.687,0854			7.090.686,8510	7.090.686,7953	
Station: 0+10											
Dist. Eixo (m):		-6,003	-4,031			0,000			3,930	6,005	
Cota (m):		16,630	16,591						16,593	16,634	
E:		708.821,7179	708.819,7480			708.815,7218			708.811,7961	708.809,7236	
N:		7.090.677,3772	7.090.677,2849			7.090.677,0963			7.090.676,9125	7.090.676,8154	
Station: 1+0											
Dist. Eixo (m):		-5,920	-4,051			0,000			3,910	5,989	
Cota (m):		16,641	16,604						16,606	16,648	
E:		708.822,1034	708.820,2364			708.816,1896			708.812,2837	708.810,2072	
N:		7.090.667,3843	7.090.667,2968			7.090.667,1073			7.090.666,9243	7.090.666,8271	
Station: 1+10											
Dist. Eixo (m):		-5,838	-4,072			0,000			3,890	5,973	
Cota (m):		16,688	16,653						16,656	16,698	
E:		708.822,4888	708.820,7248			708.816,6575			708.812,7713	708.810,6908	
N:		7.090.657,3913	7.090.657,3087			7.090.657,1182			7.090.656,9362	7.090.656,8388	
Station: 2+0											
Dist. Eixo (m):		-5,840	-4,092			0,000			3,868	5,957	
Cota (m):		16,739	16,704						16,709	16,751	
E:		708.822,9589	708.821,2133			708.817,1253			708.813,2619	708.811,1745	
N:		7.090.647,4024	7.090.647,3206			7.090.647,1292			7.090.646,9482	7.090.646,8505	
Station: 2+10											
Dist. Eixo (m):		-5,946	-4,075			0,000			3,836	5,942	
Cota (m):		16,785	16,747						16,752	16,794	
E:		708.823,5324	708.821,6640			708.817,5932			708.813,7618	708.811,6581	
N:		7.090.637,4183	7.090.637,3308			7.090.637,1401			7.090.636,9607	7.090.636,8621	
Station: 3+0											
Dist. Eixo (m):		-6,051	-4,049			0,000			3,803	6,075	
Cota (m):		16,820	16,780						16,785	16,830	
E:		708.824,1059	708.822,1058			708.818,0610			708.814,2618	708.811,9924	
N:		7.090.627,4342	7.090.627,3405			7.090.627,1511			7.090.626,9731	7.090.626,8668	
Station: 3+10											
Dist. Eixo (m):		-5,599	-4,465			0,000			4,325	5,617	
Cota (m):		16,704	16,681						16,732	16,758	
E:		708.824,1222	708.822,9892			708.818,5277			708.814,2084	708.812,9178	
N:		7.090.617,4240	7.090.617,3709			7.090.617,1620			7.090.616,9597	7.090.616,8992	
Station: 4+0											
Dist. Eixo (m):		-5,126	-4,898			0,000			5,125	6,091	
Cota (m):		16,583	16,578						16,584	16,603	
E:		708.824,1176	708.823,8893			708.818,9942			708.813,8771	708.812,9120	
N:		7.090.607,4128	7.090.607,4021			7.090.607,1729			7.090.606,9332	7.090.606,8880	
Station: 4+1											
Dist. Eixo (m):		-5,047	-4,970			0,000			5,052	6,091	
Cota (m):		16,562	16,561						16,562	16,583	
E:		708.824,1168	708.824,0402			708.819,0724			708.814,0283	708.812,9904	
N:		7.090.605,7348	7.090.605,7312			7.090.605,4985			7.090.605,2623	7.090.605,2136	
Station: 4+10											
Dist. Eixo (m):		-5,885	-5,010			0,000			5,010	6,066	
Cota (m):		16,564	16,546						16,546	16,587	
E:		708.825,3150	708.824,4411			708.819,4358			708.814,4305	708.813,3759	
N:		7.090.597,4376	7.090.597,3997			7.090.597,1826			7.090.596,9656	7.090.596,9198	
Station: 5+0											
Dist. Eixo (m):		-5,929	-5,010			0,000			5,010	6,031	
Cota (m):		16,484	16,465						16,465	16,486	
E:		708.825,7922	708.824,8744			708.819,8691			708.814,8638	708.813,8442	
N:		7.090.587,4489	7.090.587,4091			7.090.587,1920			7.090.586,9750	7.090.586,9307	
Station: 5+10											
Dist. Eixo (m):		-5,968	-3,921			0,000			3,868	5,996	
Cota (m):		16,335	16,294						16,295	16,338	
E:		708.826,2651	708.824,2193			708.820,3023			708.816,4383	708.814,3124	
N:		7.090.577,4600	7.090.577,3713			7.090.577,2014			7.090.577,0338	7.090.576,9417	
Station: 6+0											
Dist. Eixo (m):		-6,008	-3,920			0,000			3,878	5,961	
Cota (m):		16,125	16,084						16,084	16,126	
E:		708.826,7380	708.824,6520			708.820,7356			708.816,8616	708.814,7806	
N:		7.090.567,4711	7.090.567,3806			7.090.567,2108			7.090.567,0428	7.090.566,9526	
Station: 6+10											
Dist. Eixo (m):		-6,126	-3,920			0,000			3,888	5,926	
Cota (m):		15,916	15,872						15,872	15,913	
E:		708.827,2888	708.825,0847			708.821,1688			708.817,2848	708.815,2489	
N:		7.090.557,4856	7.090.557,3900			7.090.557,2202			7.090.557,0518	7.090.556,9635	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA HAROLD C. MIERS

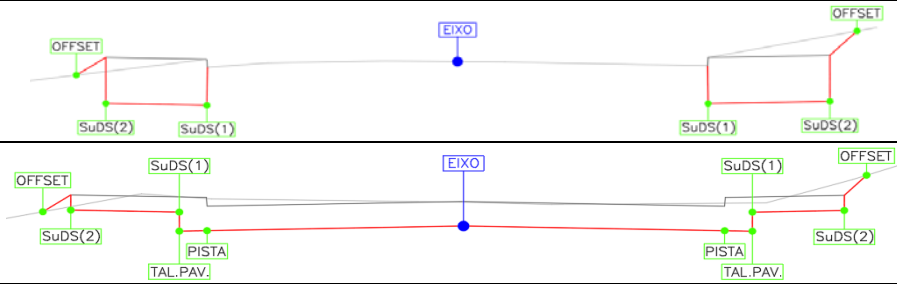
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 7+0											
Dist. Eixo (m):		-6,343	-3,919			0,000			3,898	5,942	
Cota (m):		15,654	15,606						15,606	15,647	
E:		708.827,9390	708.825,5174			708.821,6021			708.817,7081	708.815,6657	
N:		7.090.547,5044	7.090.547,3994			7.090.547,2296			7.090.547,0607	7.090.546,9721	
Station: 7+10											
Dist. Eixo (m):		-6,420	-3,918			0,000			3,908	5,958	
Cota (m):		15,384	15,334						15,334	15,375	
E:		708.828,4493	708.825,9501			708.822,0354			708.818,1314	708.816,0834	
N:		7.090.537,5171	7.090.537,4087			7.090.537,2390			7.090.537,0697	7.090.536,9809	
Station: 8+0											
Dist. Eixo (m):		-6,407	-3,918			0,000			3,918	5,932	
Cota (m):		15,221	15,172						15,172	15,212	
E:		708.828,8693	708.826,3827			708.822,4686			708.818,5547	708.816,5421	
N:		7.090.527,5259	7.090.527,4181			7.090.527,2484			7.090.527,0786	7.090.526,9913	
Station: 8+10											
Dist. Eixo (m):		-6,364	-3,917			0,000			3,936	5,907	
Cota (m):		15,060	15,011						15,011	15,050	
E:		708.829,2600	708.826,8154			708.822,9019			708.818,9694	708.817,0008	
N:		7.090.517,5335	7.090.517,4275			7.090.517,2578			7.090.517,0872	7.090.517,0018	
Station: 9+0											
Dist. Eixo (m):		-6,314	-3,917			0,000			3,977	5,881	
Cota (m):		15,014	14,966						14,966	15,003	
E:		708.829,6431	708.827,2481			708.823,3351			708.819,3618	708.817,4594	
N:		7.090.507,5407	7.090.507,4368			7.090.507,2671			7.090.507,0948	7.090.507,0123	
Station: 9+10											
Dist. Eixo (m):		-6,264	-3,916			0,000			4,018	5,876	
Cota (m):		14,980	14,933						14,931	14,968	
E:		708.830,0262	708.827,6808			708.823,7684			708.819,7543	708.817,8975	
N:		7.090.497,5479	7.090.497,4462			7.090.497,2765			7.090.497,1025	7.090.497,0219	
Station: 10+0											
Dist. Eixo (m):		-6,213	-3,915			0,000			4,059	5,917	
Cota (m):		14,923	14,877						14,875	14,912	
E:		708.830,4093	708.828,1135			708.824,2017			708.820,1468	708.818,2900	
N:		7.090.487,5551	7.090.487,4556			7.090.487,2859			7.090.487,1101	7.090.487,0296	
Station: 10+10											
Dist. Eixo (m):		-6,163	-3,915			0,000			4,099	5,958	
Cota (m):		14,866	14,821						14,817	14,854	
E:		708.830,7924	708.828,5461			708.824,6349			708.820,5393	708.818,6825	
N:		7.090.477,5623	7.090.477,4649			7.090.477,2953			7.090.477,1177	7.090.477,0372	
Station: 11+0											
Dist. Eixo (m):		-5,543	-4,349			0,000			4,021	5,211	
Cota (m):		14,645	14,621						14,628	14,652	
E:		708.830,6056	708.829,4127			708.825,0682			708.821,0513	708.819,8624	
N:		7.090.467,5448	7.090.467,4931			7.090.467,3047			7.090.467,1305	7.090.467,0789	
Station: 11+10											
Dist. Eixo (m):		-6,047	-5,023			0,000			3,922	5,114	
Cota (m):		14,424	14,404						14,434	14,443	
E:		708.831,5431	708.830,5199			708.825,5014			708.821,5829	708.820,3926	
N:		7.090.457,5761	7.090.457,5317			7.090.457,3141			7.090.457,1442	7.090.457,0925	
Station: 12+0											
Dist. Eixo (m):		-6,113	-5,010			0,000			3,867	6,063	
Cota (m):		14,271	14,249						14,272	14,316	
E:		708.832,0417	708.830,9400			708.825,9347			708.822,0712	708.819,8774	
N:		7.090.447,5883	7.090.447,5405			7.090.447,3235			7.090.447,1559	7.090.447,0608	
Station: 12+10											
Dist. Eixo (m):		-6,143	-4,136			0,000			3,835	6,041	
Cota (m):		14,189	14,149						14,155	14,199	
E:		708.832,5048	708.830,4998			708.826,3679			708.822,5368	708.820,3325	
N:		7.090.437,5990	7.090.437,5121			7.090.437,3329			7.090.437,1667	7.090.437,0711	
Station: 13+0											
Dist. Eixo (m):		-6,132	-4,112			0,000			3,809	6,019	
Cota (m):		14,103	14,063						14,069	14,113	
E:		708.832,9275	708.830,9096			708.826,8012			708.822,9960	708.820,7877	
N:		7.090.427,6079	7.090.427,5204			7.090.427,3423			7.090.427,1772	7.090.427,0815	
Station: 13+10											
Dist. Eixo (m):		-6,112	-4,114			0,000			3,783	5,997	
Cota (m):		14,058	14,018						14,024	14,068	
E:		708.833,3409	708.831,3450			708.827,2345			708.823,4553	708.821,2428	
N:		7.090.417,6165	7.090.417,5299			7.090.417,3517			7.090.417,1878	7.090.417,0918	
Station: 14+0											
Dist. Eixo (m):		-6,134	-4,139			0,000			3,757	5,955	
Cota (m):		14,026	13,986						13,994	14,037	
E:		708.833,7960	708.831,8025			708.827,6677			708.823,9145	708.821,7183	
N:		7.090.407,6268	7.090.407,5404			7.090.407,3610			7.090.407,1983	7.090.407,1030	

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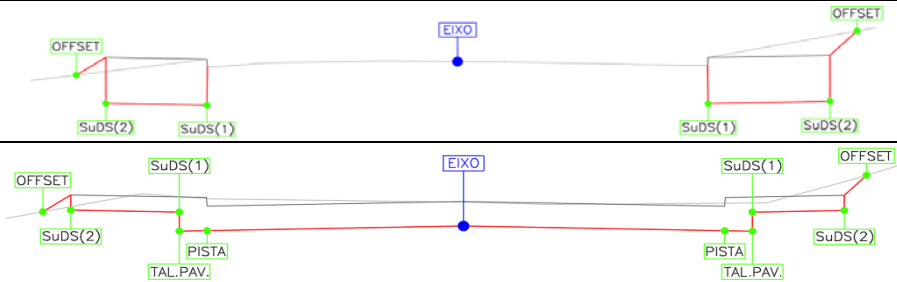
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 14+10											
Dist. Eixo (m):		-6,147	-4,189			0,000			3,731	5,990	
Cota (m):		14,001	13,962						13,971	14,016	
E:		708.834,2427	708.832,2857			708.828,1010			708.824,3737	708.822,1166	
N:		7.090.397,6368	7.090.397,5519			7.090.397,3704			7.090.397,2088	7.090.397,1109	
Station: 15+0											
Dist. Eixo (m):		-6,146	-4,236			0,000			3,705	5,827	
Cota (m):		13,983	13,945						13,955	13,998	
E:		708.834,6741	708.832,7664			708.828,5342			708.824,8329	708.822,7127	
N:		7.090.387,6461	7.090.387,5634			7.090.387,3798			7.090.387,2193	7.090.387,1274	
Station: 15+10											
Dist. Eixo (m):		-6,144	-4,246			0,000			3,680	5,664	
Cota (m):		13,971	13,933						13,945	13,984	
E:		708.835,1055	708.833,2090			708.828,9675			708.825,2905	708.823,3088	
N:		7.090.377,6554	7.090.377,5732			7.090.377,3892			7.090.377,2298	7.090.377,1438	
Station: 16+0											
Dist. Eixo (m):		-6,142	-4,178			0,000			3,703	5,684	
Cota (m):		13,989	13,950						13,959	13,999	
E:		708.835,5369	708.833,5748			708.829,4008			708.825,7010	708.823,7219	
N:		7.090.367,6647	7.090.367,5796			7.090.367,3986			7.090.367,2382	7.090.367,1523	
Station: 16+10											
Dist. Eixo (m):		-6,179	-4,142			0,000			3,726	5,789	
Cota (m):		14,027	13,987						13,995	14,036	
E:		708.836,0073	708.833,9720			708.829,8340			708.826,1115	708.824,0503	
N:		7.090.357,6757	7.090.357,5874			7.090.357,4080			7.090.357,2466	7.090.357,1572	
Station: 17+0											
Dist. Eixo (m):		-6,203	-4,088			0,000			3,749	5,793	
Cota (m):		14,057	14,015						14,022	14,063	
E:		708.836,4642	708.834,3518			708.830,2673			708.826,5220	708.824,4795	
N:		7.090.347,6861	7.090.347,5945			7.090.347,4174			7.090.347,2550	7.090.347,1664	
Station: 17+10											
Dist. Eixo (m):		-6,212	-4,147			0,000			3,779	5,797	
Cota (m):		14,044	14,002						14,010	14,050	
E:		708.836,9071	708.834,8437			708.830,7005			708.826,9249	708.824,9087	
N:		7.090.337,6959	7.090.337,6064			7.090.337,4268			7.090.337,2630	7.090.337,1756	
Station: 18+0											
Dist. Eixo (m):		-6,221	-4,206			0,000			3,023	5,801	
Cota (m):		14,243	14,203						14,226	14,282	
E:		708.837,3486	708.835,3355			708.831,1338			708.828,1137	708.825,3378	
N:		7.090.327,7057	7.090.327,6184			7.090.327,4362			7.090.327,3052	7.090.327,1848	
Station: 18+10											
Dist. Eixo (m):		-6,451	-4,438			0,000			3,418	6,031	
Cota (m):		14,324	14,284						14,304	14,356	
E:		708.838,0123	708.836,0009			708.831,5670			708.828,1523	708.825,5419	
N:		7.090.317,7251	7.090.317,6378			7.090.317,4456			7.090.317,2975	7.090.317,1843	
Station: 19+0											
Dist. Eixo (m):		-6,694	-4,680			0,000			3,816	6,273	
Cota (m):		14,361	14,321						14,338	14,387	
E:		708.838,6885	708.836,6760			708.832,0003			708.828,1880	708.825,7335	
N:		7.090.307,7450	7.090.307,6577			7.090.307,4549			7.090.307,2896	7.090.307,1832	
Station: 19+10											
Dist. Eixo (m):		-6,677	-4,235			0,000			3,879	6,253	
Cota (m):		14,538	14,489						14,496	14,544	
E:		708.839,1038	708.836,6650			708.832,4336			708.828,5579	708.826,1864	
N:		7.090.297,7536	7.090.297,6478			7.090.297,4643			7.090.297,2963	7.090.297,1934	
Station: 20+0											
Dist. Eixo (m):		-6,429	-4,102			0,000			3,874	6,232	
Cota (m):		14,702	14,655						14,660	14,707	
E:		708.839,2894	708.836,9649			708.832,8668			708.828,9967	708.826,6405	
N:		7.090.287,7523	7.090.287,6514			7.090.287,4737			7.090.287,3059	7.090.287,2037	
Station: 20+10											
Dist. Eixo (m):		-6,450	-4,063			0,000			3,868	6,211	
Cota (m):		14,840	14,792						14,796	14,843	
E:		708.839,7440	708.837,3590			708.833,3001			708.829,4355	708.827,0946	
N:		7.090.277,7626	7.090.277,6591			7.090.277,4831			7.090.277,3155	7.090.277,2140	
Station: 21+0											
Dist. Eixo (m):		-6,467	-4,024			0,000			3,895	6,085	
Cota (m):		14,946	14,897						14,900	14,944	
E:		708.840,1938	708.837,7531			708.833,7333			708.829,8425	708.827,6540	
N:		7.090.267,7727	7.090.267,6668			7.090.267,4925			7.090.267,3238	7.090.267,2289	

PREFEITURA MUNICIPAL DE JOINVILLE
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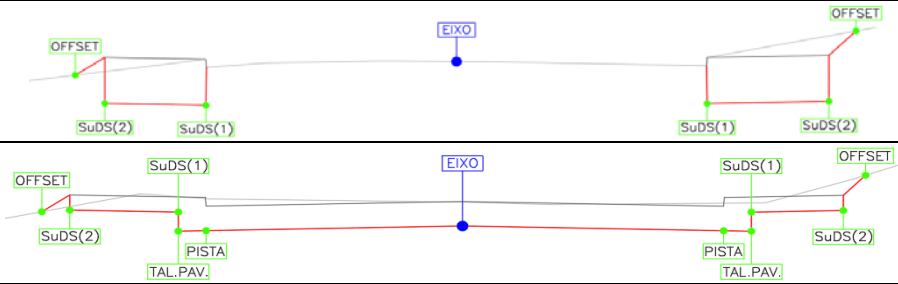
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 21+10											
Dist. Eixo (m):		-6,450	-3,984			0,000			3,919	5,789	
Cota (m):		15,052	15,003						15,004	15,041	
E:		708.840,6110	708.838,1472			708.834,1666			708.830,2510	708.828,3831	
N:		7.090.257,7814	7.090.257,6745			7.090.257,5019			7.090.257,3321	7.090.257,2511	
Station: 22+0											
Dist. Eixo (m):		-6,346	-3,945			0,000			3,919	5,815	
Cota (m):		15,078	15,030						15,031	15,069	
E:		708.840,9401	708.838,5413			708.834,5999			708.830,6844	708.828,7907	
N:		7.090.247,7862	7.090.247,6822			7.090.247,5113			7.090.247,3415	7.090.247,2594	
Station: 22+10											
Dist. Eixo (m):		-6,242	-3,958			0,000			3,864	5,840	
Cota (m):		15,095	15,050						15,052	15,091	
E:		708.841,2693	708.838,9871			708.835,0331			708.831,1726	708.829,1984	
N:		7.090.237,7911	7.090.237,6921			7.090.237,5207			7.090.237,3533	7.090.237,2676	
Station: 22+18											
Dist. Eixo (m):						0,000			4,395	9,321	
Cota (m):									15,052	15,151	
E:						708.835,4023			708.831,0112	708.826,0906	
N:						7.090.229,0069			7.090.228,8164	7.090.228,6031	
Station: 23+0											
Dist. Eixo (m):						0,000			5,667	11,222	
Cota (m):									15,027	15,138	
E:						708.835,4708			708.829,8098	708.824,2605	
N:						7.090.227,5303			7.090.227,2676	7.090.227,0101	
Station: 24+0											
Dist. Eixo (m):		-6,274	-4,278			0,000			3,656	6,552	
Cota (m):		15,315	15,275						15,287	15,345	
E:		708.842,6651	708.840,6715			708.836,3979			708.832,7462	708.829,8529	
N:		7.090.207,8426	7.090.207,7501			7.090.207,5518			7.090.207,3823	7.090.207,2481	
Station: 24+10											
Dist. Eixo (m):		-6,306	-4,304			0,000			3,623	6,512	
Cota (m):		15,282	15,242						15,255	15,313	
E:		708.843,1608	708.841,1605			708.836,8614			708.833,2420	708.830,3565	
N:		7.090.197,8548	7.090.197,7620			7.090.197,5625			7.090.197,3946	7.090.197,2607	
Station: 25+0											
Dist. Eixo (m):		-6,359	-4,298			0,000			3,591	6,450	
Cota (m):		15,243	15,201						15,215	15,273	
E:		708.843,6775	708.841,6183			708.837,3249			708.833,7377	708.830,8824	
N:		7.090.187,8680	7.090.187,7725			7.090.187,5733			7.090.187,4068	7.090.187,2743	
Station: 25+10											
Dist. Eixo (m):		-6,400	-4,292			0,000			3,559	6,339	
Cota (m):		15,136	15,093						15,108	15,164	
E:		708.844,1819	708.842,0762			708.837,7885			708.834,2335	708.831,4567	
N:		7.090.177,8807	7.090.177,7830			7.090.177,5840			7.090.177,4190	7.090.177,2902	
Station: 26+0											
Dist. Eixo (m):		-6,434	-4,287			0,000			3,567	6,205	
Cota (m):		15,019	14,976						14,990	15,043	
E:		708.844,6789	708.842,5341			708.838,2520			708.834,6888	708.832,0534	
N:		7.090.167,8930	7.090.167,7935			7.090.167,5948			7.090.167,4294	7.090.167,3071	
Station: 26+10											
Dist. Eixo (m):		-6,498	-4,263			0,000			3,618	6,035	
Cota (m):		14,855	14,810						14,823	14,871	
E:		708.845,2065	708.842,9744			708.838,7155			708.835,1013	708.832,6870	
N:		7.090.157,9067	7.090.157,8031			7.090.157,6055			7.090.157,4378	7.090.157,3258	
Station: 27+0											
Dist. Eixo (m):		-6,568	-4,223			0,000			3,669	5,864	
Cota (m):		14,667	14,621						14,632	14,676	
E:		708.845,7396	708.843,3974			708.839,1790			708.835,5139	708.833,3217	
N:		7.090.147,9207	7.090.147,8120			7.090.147,6163			7.090.147,4462	7.090.147,3445	
Station: 27+10											
Dist. Eixo (m):		-6,232	-4,182			0,000			3,720	5,834	
Cota (m):		14,455	14,414						14,423	14,465	
E:		708.845,8684	708.843,8205			708.839,6426			708.835,9265	708.833,8144	
N:		7.090.137,9159	7.090.137,8209			7.090.137,6270			7.090.137,4546	7.090.137,3566	
Station: 28+0											
Dist. Eixo (m):		-6,207	-4,142			0,000			3,778	5,975	
Cota (m):		14,270	14,229						14,236	14,280	
E:		708.846,3068	708.844,2435			708.840,1061			708.836,3326	708.834,1377	
N:		7.090.127,9255	7.090.127,8297			7.090.127,6378			7.090.127,4627	7.090.127,3608	
Station: 28+10											
Dist. Eixo (m):		-6,184	-4,101			0,000			3,849	6,115	
Cota (m):		14,100	14,058						14,063	14,108	
E:		708.846,7468	708.844,6665			708.840,5696			708.836,7247	708.834,4609	
N:		7.090.117,9351	7.090.117,8386			7.090.117,6485			7.090.117,4701	7.090.117,3650	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA HAROLD C. MIERS

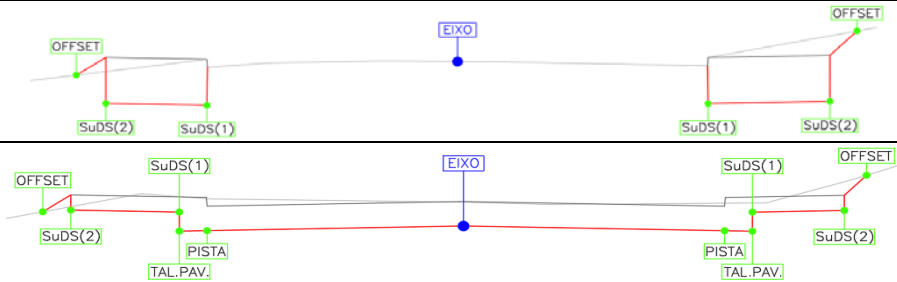
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 29+0											
Dist. Eixo (m):		-6,182	-4,061			0,000			3,921	6,150	
Cota (m):		13,957	13,914						13,917	13,962	
E:		708.847,2089	708.845,0895			708.841,0331			708.837,1167	708.834,8898	
N:		7.090.107,9458	7.090.107,8475			7.090.107,6592			7.090.107,4775	7.090.107,3742	
Station: 29+10											
Dist. Eixo (m):		-6,197	-4,054			0,000			3,919	6,006	
Cota (m):		13,843	13,800						13,802	13,844	
E:		708.847,6874	708.845,5462			708.841,4967			708.837,5814	708.835,4966	
N:		7.090.097,9573	7.090.097,8579			7.090.097,6700			7.090.097,4883	7.090.097,3916	
Station: 30+0											
Dist. Eixo (m):		-6,341	-4,043			0,000			3,902	5,538	
Cota (m):		13,760	13,714						13,717	13,750	
E:		708.848,2949	708.845,9987			708.841,9602			708.838,0626	708.836,4279	
N:		7.090.087,9747	7.090.087,8681			7.090.087,6807			7.090.087,4999	7.090.087,4240	
Station: 30+10											
Dist. Eixo (m):		-6,078	-4,017			0,000			3,931	5,513	
Cota (m):		13,689	13,648						13,649	13,681	
E:		708.848,4956	708.846,4365			708.842,4237			708.838,4972	708.836,9170	
N:		7.090.077,9732	7.090.077,8777			7.090.077,6915			7.090.077,5093	7.090.077,4360	
Station: 31+10											
Dist. Eixo (m):		-7,139	-5,925	-5,925	-5,527	0,000	4,969	5,367	5,367	7,270	7,654
Cota Camada 1 (m)					13,619	13,729	13,630				
Cota Camada 3 (m)					13,539	13,649	13,550				
Cota Camada 6 (m)					13,499	13,609	13,510				
Cota Camada 7 (m)					13,379	13,489	13,390				
Cota (m):		13,341	13,317	13,221	13,229	13,339	13,240	13,232	13,328	13,366	13,570
E:		708.850,4821	708.849,2696	708.849,2694	708.848,8718	708.843,3508	708.838,3876	708.837,9900	708.837,9900	708.836,0885	708.835,7046
N:		7.090.058,0439	7.090.057,9876	7.090.057,9876	7.090.057,9692	7.090.057,7130	7.090.057,4827	7.090.057,4642	7.090.057,4642	7.090.057,3760	7.090.057,3582
Station: 32+0											
Dist. Eixo (m):		-5,879	-4,338	-4,338	-3,940	0,000	4,060	4,458	4,458	5,810	5,960
Cota Camada 1 (m)					13,672	13,750	13,669				
Cota Camada 3 (m)					13,592	13,670	13,589				
Cota Camada 6 (m)					13,552	13,630	13,549				
Cota Camada 7 (m)					13,432	13,510	13,429				
Cota (m):		13,400	13,369	13,274	13,282	13,360	13,279	13,271	13,367	13,394	13,754
E:		708.849,6872	708.848,1473	708.848,1473	708.848,7496	708.843,8143	708.839,7582	708.839,3607	708.839,3607	708.838,0104	708.837,8607
N:		7.090.047,9963	7.090.047,9248	7.090.047,9248	7.090.047,9063	7.090.047,7237	7.090.047,5355	7.090.047,5171	7.090.047,5171	7.090.047,4544	7.090.047,4475
Station: 32+10											
Dist. Eixo (m):		-5,900	-4,336	-4,336	-3,938	0,000	4,062	4,460	4,460	5,779	6,038
Cota Camada 1 (m)					13,727	13,806	13,725				
Cota Camada 3 (m)					13,647	13,726	13,645				
Cota Camada 6 (m)					13,607	13,686	13,605				
Cota Camada 7 (m)					13,487	13,566	13,485				
Cota (m):		13,456	13,425	13,329	13,337	13,416	13,335	13,327	13,423	13,449	13,736
E:		708.850,1713	708.848,6095	708.848,6095	708.848,2117	708.844,2778	708.840,2203	708.839,8228	708.839,8228	708.838,5050	708.838,2463
N:		7.090.038,0080	7.090.037,9355	7.090.037,9355	7.090.037,9170	7.090.037,7345	7.090.037,5462	7.090.037,5278	7.090.037,5278	7.090.037,4666	7.090.037,4546
Station: 33+0											
Dist. Eixo (m):		-5,920	-4,335	-4,335	-3,937	0,000	4,063	4,461	4,461	5,756	6,112
Cota Camada 1 (m)					13,783	13,862	13,781				
Cota Camada 3 (m)					13,703	13,782	13,701				
Cota Camada 6 (m)					13,663	13,742	13,661				
Cota Camada 7 (m)					13,543	13,622	13,541				
Cota (m):		13,513	13,481	13,385	13,393	13,472	13,391	13,383	13,479	13,505	13,727
E:		708.850,6554	708.849,0716	708.849,0716	708.848,6738	708.844,7413	708.840,6824	708.840,2849	708.840,2849	708.838,9917	708.838,6362
N:		7.090.028,0197	7.090.027,9462	7.090.027,9462	7.090.027,9277	7.090.027,7452	7.090.027,5569	7.090.027,5384	7.090.027,5384	7.090.027,4784	7.090.027,4619
Station: 33+10											
Dist. Eixo (m):		-5,941	-4,333	-4,333	-3,935	0,000	4,065	4,463	4,463	5,786	6,114
Cota Camada 1 (m)					13,840	13,918	13,837				
Cota Camada 3 (m)					13,760	13,838	13,757				
Cota Camada 6 (m)					13,720	13,798	13,717				
Cota Camada 7 (m)					13,600	13,678	13,597				
Cota (m):		13,569	13,537	13,442	13,450	13,528	13,447	13,439	13,535	13,561	13,802
E:		708.851,1395	708.849,5337	708.849,5337	708.849,1359	708.845,2049	708.841,1445	708.840,7470	708.840,7470	708.839,4251	708.839,0971
N:		7.090.018,0314	7.090.017,9569	7.090.017,9569	7.090.017,9384	7.090.017,7560	7.090.017,5676	7.090.017,5491	7.090.017,5491	7.090.017,4878	7.090.017,4726
Station: 34+0											
Dist. Eixo (m):		-5,962	-4,332	-4,332	-3,934	0,000	4,066	4,464	4,464	5,816	6,158
Cota Camada 1 (m)					13,891	13,970	13,888				
Cota Camada 3 (m)					13,811	13,890	13,808				
Cota Camada 6 (m)					13,771	13,850	13,768				
Cota Camada 7 (m)					13,651	13,730	13,648				
Cota (m):		13,621	13,589	13,493	13,501	13,580	13,498	13,490	13,586	13,613	13,845
E:		708.851,6236	708.849,9958	708.849,9958	708.849,5980	708.845,6684	708.841,6066	708.841,2091	708.841,2091	708.839,8586	708.839,5174
N:		7.090.008,0431	7.090.007,9675	7.090.007,9675	7.090.007,9491	7.090.007,7667	7.090.007,5783	7.090.007,5598	7.090.007,5598	7.090.007,4971	7.090.007,4813

PREFEITURA MUNICIPAL DE JOINVILLE
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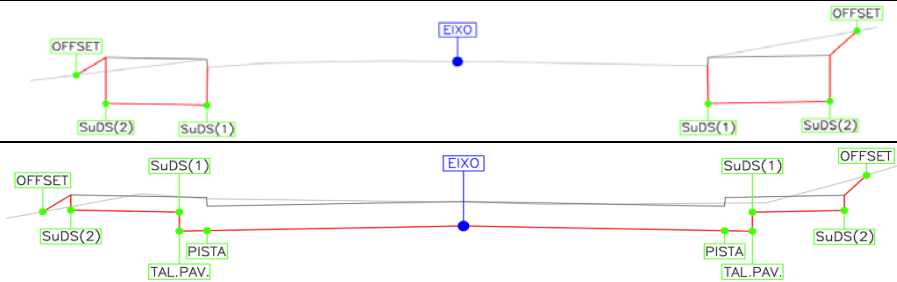
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 34+10											
Dist. Eixo (m):		-5,982	-4,331	-4,331	-3,932	0,000	4,068	4,466	4,466	5,846	6,196
Cota Camada 1 (m)					13,884	13,962	13,881				
Cota Camada 3 (m)					13,804	13,882	13,801				
Cota Camada 6 (m)					13,764	13,842	13,761				
Cota Camada 7 (m)					13,644	13,722	13,641				
Cota (m):		13,614	13,581	13,486	13,494	13,572	13,491	13,483	13,578	13,606	13,833
E:		708.852,1076	708.850,4579	708.850,4579	708.850,0601	708.846,1319	708.842,0687	708.841,6712	708.841,6712	708.840,2920	708.839,9424
N:		7.089.998,0548	7.089.997,9782	7.089.997,9782	7.089.997,9598	7.089.997,7775	7.089.997,5889	7.089.997,5705	7.089.997,5705	7.089.997,5065	7.089.997,4903
Station: 35+0											
Dist. Eixo (m):		-5,989	-4,329	-4,329	-3,931	0,000	4,069	4,467	4,467	5,876	5,987
Cota Camada 1 (m)					13,805	13,884	13,803				
Cota Camada 3 (m)					13,725	13,804	13,723				
Cota Camada 6 (m)					13,685	13,764	13,683				
Cota Camada 7 (m)					13,565	13,644	13,563				
Cota (m):		13,536	13,503	13,407	13,415	13,494	13,413	13,405	13,501	13,529	13,915
E:		708.852,5778	708.850,9200	708.850,9200	708.850,5222	708.846,5954	708.842,5308	708.842,1333	708.842,1333	708.840,7255	708.840,6153
N:		7.089.988,0658	7.089.987,9889	7.089.987,9889	7.089.987,9704	7.089.987,7882	7.089.987,5996	7.089.987,5812	7.089.987,5812	7.089.987,5159	7.089.987,5107
Station: 35+10											
Dist. Eixo (m):		-5,986	-4,328	-4,328	-3,930	0,000	4,070	4,468	4,468	5,906	6,283
Cota Camada 1 (m)					13,711	13,790	13,709				
Cota Camada 3 (m)					13,631	13,710	13,629				
Cota Camada 6 (m)					13,591	13,670	13,589				
Cota Camada 7 (m)					13,471	13,550	13,469				
Cota (m):		13,442	13,409	13,313	13,321	13,400	13,319	13,311	13,406	13,435	13,644
E:		708.853,0383	708.851,3821	708.851,3821	708.850,9843	708.847,0590	708.842,9929	708.842,5954	708.842,5954	708.841,1590	708.840,7827
N:		7.089.978,0764	7.089.977,9996	7.089.977,9996	7.089.977,9811	7.089.977,7990	7.089.977,6103	7.089.977,5919	7.089.977,5919	7.089.977,5252	7.089.977,5077
Station: 36+0											
Dist. Eixo (m):		-6,249	-5,983	-4,326	-3,928	0,000	4,072	4,470	4,470	5,936	
Cota Camada 1 (m)					13,642	13,721	13,640				
Cota Camada 3 (m)					13,562	13,641	13,560				
Cota Camada 6 (m)					13,522	13,601	13,520				
Cota Camada 7 (m)					13,402	13,481	13,400				
Cota (m):		13,656	13,373	13,340	13,244	13,331	13,250	13,242	13,338	13,367	
E:		708.853,7649	708.853,4988	708.851,8442	708.851,8442	708.847,5225	708.843,4550	708.843,0575	708.843,0575	708.841,5924	
N:		7.089.968,0994	7.089.968,0870	7.089.968,0103	7.089.968,0103	7.089.967,8097	7.089.967,6210	7.089.967,6025	7.089.967,6025	7.089.967,5346	
Station: 36+10											
Dist. Eixo (m):		-6,557	-5,980	-4,325	-3,927	0,000	4,073	4,471	4,471	5,967	
Cota Camada 1 (m)					13,636	13,714	13,633				
Cota Camada 3 (m)					13,556	13,634	13,553				
Cota Camada 6 (m)					13,516	13,594	13,513				
Cota Camada 7 (m)					13,396	13,474	13,393				
Cota (m):		13,442	13,366	13,333	13,238	13,324	13,243	13,235	13,330	13,360	
E:		708.854,5356	708.853,9593	708.852,3063	708.852,3063	708.847,9860	708.843,9171	708.843,5196	708.843,5196	708.842,0259	
N:		7.089.958,1244	7.089.958,0976	7.089.958,0209	7.089.958,0209	7.089.957,8205	7.089.957,6317	7.089.957,6132	7.089.957,6132	7.089.957,5439	
Station: 37+0											
Dist. Eixo (m):		-5,976	-4,323	-4,323	-3,925	0,000	4,075	4,473	4,473	5,997	
Cota Camada 1 (m)					13,667	13,745	13,664				
Cota Camada 3 (m)					13,587	13,665	13,584				
Cota Camada 6 (m)					13,547	13,625	13,544				
Cota Camada 7 (m)					13,427	13,505	13,424				
Cota (m):		13,397	13,364	13,269	13,277	13,355	13,274	13,266	13,362	13,392	
E:		708.854,4196	708.852,7684	708.852,7684	708.852,3707	708.848,4495	708.844,3793	708.843,9817	708.843,9817	708.842,4594	
N:		7.089.948,1082	7.089.948,0316	7.089.948,0316	7.089.948,0132	7.089.947,8312	7.089.947,6424	7.089.947,6239	7.089.947,6239	7.089.947,5533	
Station: 37+10											
Dist. Eixo (m):		-5,968	-4,322	-4,322	-3,924	0,000	4,076	4,474	4,474	6,016	
Cota Camada 1 (m)					13,647	13,725	13,644				
Cota Camada 3 (m)					13,567	13,645	13,564				
Cota Camada 6 (m)					13,527	13,605	13,524				
Cota Camada 7 (m)					13,407	13,485	13,404				
Cota (m):		13,377	13,344	13,249	13,257	13,335	13,254	13,246	13,341	13,372	
E:		708.854,8745	708.853,2305	708.853,2305	708.852,8328	708.848,9131	708.844,8414	708.844,4438	708.844,4438	708.842,9037	
N:		7.089.938,1186	7.089.938,0423	7.089.938,0423	7.089.938,0239	7.089.937,8420	7.089.937,6530	7.089.937,6346	7.089.937,6346	7.089.937,5631	
Station: 38+0											
Dist. Eixo (m):		-5,954	-4,321	-4,321	-3,922	0,000	4,078	4,475	4,475	5,983	
Cota Camada 1 (m)					13,527	13,605	13,524				
Cota Camada 3 (m)					13,447	13,525	13,444				
Cota Camada 6 (m)					13,407	13,485	13,404				
Cota Camada 7 (m)					13,287	13,365	13,284				
Cota (m):		13,257	13,225	13,129	13,137	13,215	13,134	13,126	13,222	13,252	
E:		708.855,3240	708.853,6926	708.853,6926	708.853,2949	708.849,3766	708.845,3035	708.844,9059	708.844,9059	708.843,4001	
N:		7.089.928,1287	7.089.928,0530	7.089.928,0530	7.089.928,0345	7.089.927,8527	7.089.927,6637	7.089.927,6453	7.089.927,6453	7.089.927,5754	

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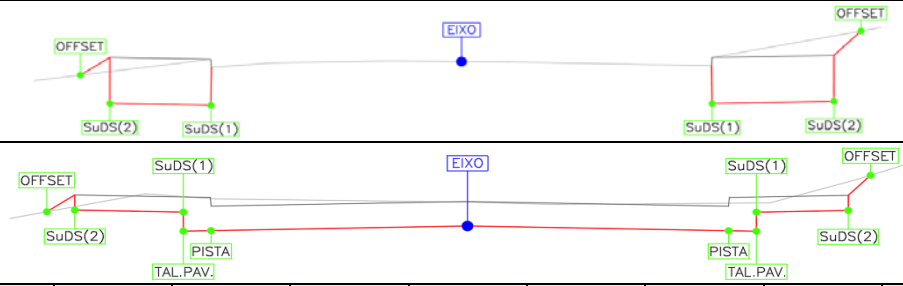
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 38+9											
Dist. Eixo (m):		-6,376	-5,574	-5,574	-5,184	0,000	5,000	5,398	5,398	6,200	
Cota Camada 1 (m)					13,384	13,488	13,388				
Cota Camada 3 (m)					13,304	13,408	13,308				
Cota Camada 6 (m)					13,264	13,368	13,268				
Cota Camada 7 (m)					13,144	13,248	13,148				
Cota (m):		13,098	13,082	12,986	12,994	13,098	12,998	12,990	13,085	13,101	
E:		708.856,1927	708.855,3915	708.855,3915	708.855,0014	708.849,8231	708.844,8285	708.844,4310	708.844,4310	708.843,6298	
N:		7.089.918,5255	7.089.918,4884	7.089.918,4884	7.089.918,4702	7.089.918,2300	7.089.917,9982	7.089.917,9798	7.089.917,9798	7.089.917,9426	
Station: 39+10											
Dist. Eixo (m):		-5,771	-3,966			0,000			3,806	5,929	
Cota (m):		12,623	12,587						12,591	12,633	
E:		708.856,5323	708.854,7285			708.850,7672			708.846,9656	708.844,8448	
N:		7.089.898,1525	7.089.898,0688			7.089.897,8850			7.089.897,7086	7.089.897,6102	
Station: 40+0											
Dist. Eixo (m):		-5,764	-3,919			0,000			3,823	5,954	
Cota (m):		12,585	12,548						12,550	12,593	
E:		708.856,9882	708.855,1456			708.851,2307			708.847,4115	708.845,2835	
N:		7.089.888,1629	7.089.888,0774			7.089.887,8957			7.089.887,7185	7.089.887,6198	
Station: 40+10											
Dist. Eixo (m):		-5,752	-3,873			0,000			3,841	5,978	
Cota (m):		12,542	12,504						12,505	12,548	
E:		708.857,4397	708.855,5627			708.851,6942			708.847,8575	708.845,7222	
N:		7.089.878,1731	7.089.878,0860			7.089.877,9065			7.089.877,7284	7.089.877,6294	
Station: 41+0											
Dist. Eixo (m):		-5,727	-3,826			0,000			3,859	6,003	
Cota (m):		12,481	12,443						12,442	12,485	
E:		708.857,8783	708.855,9798			708.852,1577			708.848,3034	708.846,1609	
N:		7.089.868,1827	7.089.868,0946			7.089.867,9172			7.089.867,7384	7.089.867,6389	
Station: 41+10											
Dist. Eixo (m):		-5,702	-3,817			0,000			3,876	6,028	
Cota (m):		12,417	12,379						12,378	12,421	
E:		708.858,3168	708.856,4337			708.852,6213			708.848,7493	708.846,5996	
N:		7.089.858,1922	7.089.858,1049			7.089.857,9280			7.089.857,7483	7.089.857,6485	
Station: 42+0											
Dist. Eixo (m):		-5,677	-3,821			0,000			3,885	6,053	
Cota (m):		12,358	12,321						12,319	12,363	
E:		708.858,7553	708.856,9014			708.853,0848			708.849,2044	708.847,0384	
N:		7.089.848,2018	7.089.848,1158			7.089.847,9387			7.089.847,7587	7.089.847,6581	
Station: 42+10											
Dist. Eixo (m):		-5,654	-3,825			0,000			3,889	6,078	
Cota (m):		12,304	12,268						12,266	12,310	
E:		708.859,1964	708.857,3691			708.853,5483			708.849,6636	708.847,4771	
N:		7.089.838,2115	7.089.838,1268			7.089.837,9495			7.089.837,7692	7.089.837,6677	
Station: 43+0											
Dist. Eixo (m):		-5,655	-3,829			0,000			3,893	6,103	
Cota (m):		12,298	12,261						12,260	12,304	
E:		708.859,6609	708.857,8369			708.854,0118			708.850,1228	708.847,9158	
N:		7.089.828,2223	7.089.828,1377			7.089.827,9602			7.089.827,7797	7.089.827,6773	
Station: 43+10											
Dist. Eixo (m):		-5,656	-3,833			0,000			3,898	6,127	
Cota (m):		12,324	12,288						12,286	12,331	
E:		708.860,1255	708.858,3046			708.854,4754			708.850,5820	708.848,3545	
N:		7.089.818,2331	7.089.818,1486			7.089.817,9710			7.089.817,7903	7.089.817,6869	
Station: 44+0											
Dist. Eixo (m):		-5,657	-3,838			0,000			3,902	6,152	
Cota (m):		12,343	12,307						12,306	12,351	
E:		708.860,5901	708.858,7723			708.854,9389			708.851,0412	708.848,7932	
N:		7.089.808,2439	7.089.808,1596			7.089.807,9817			7.089.807,8008	7.089.807,6965	
Station: 44+10											
Dist. Eixo (m):		-5,658	-3,842			0,000			3,906	6,177	
Cota (m):		12,345	12,308						12,307	12,353	
E:		708.861,0546	708.859,2400			708.855,4024			708.851,5005	708.849,2319	
N:		7.089.798,2547	7.089.798,1705			7.089.797,9925			7.089.797,8114	7.089.797,7061	
Station: 45+0											
Dist. Eixo (m):		-5,703	-3,846			0,000			3,910	6,202	
Cota (m):		12,397	12,360						12,359	12,404	
E:		708.861,5627	708.859,7078			708.855,8659			708.851,9597	708.849,6706	
N:		7.089.788,2675	7.089.788,1815			7.089.788,0032			7.089.787,8219	7.089.787,7157	
Station: 45+10											
Dist. Eixo (m):		-5,773	-3,850			0,000			3,915	6,227	
Cota (m):		12,526	12,488						12,486	12,533	
E:		708.862,0967	708.860,1755			708.856,3295			708.852,4189	708.850,1093	
N:		7.089.778,2816	7.089.778,1924			7.089.778,0139			7.089.777,8325	7.089.777,7253	

PREFEITURA MUNICIPAL DE JOINVILLE
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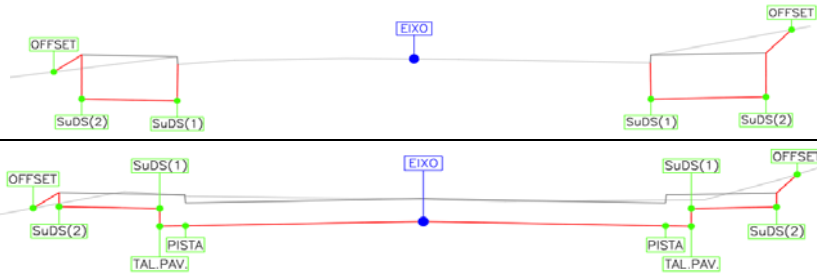
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 45+17											
Dist. Eixo (m):		-6,200	-5,010			0,000			5,010	6,200	
Cota (m):		12,591	12,567						12,567	12,591	
E:		708.862,8932	708.861,7045			708.856,6999			708.851,6953	708.850,5065	
N:		7.089.770,3187	7.089.770,2635			7.089.770,0313			7.089.769,7991	7.089.769,7439	

PREFEITURA MUNICIPAL DE JOINVILLE
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NOTA DE SERVIÇO
RUA HENZI ZIETZ

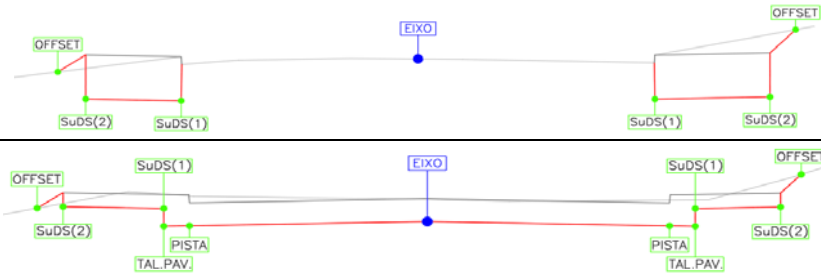
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 0+10											
Dist. Eixo (m):		-9,099	-4,156			0,000			4,007	7,728	
Cota (m):		12,678	12,579						12,582	12,656	
E:		708.365,6397	708.365,8686			708.366,0610			708.366,2465	708.366,4187	
N:		7.089.899,3780	7.089.894,4395			7.089.890,2884			7.089.886,2856	7.089.882,5692	
Station: 1+0											
Dist. Eixo (m):		-8,972	-4,151			0,000			4,012	7,903	
Cota (m):		12,689	12,592						12,595	12,673	
E:		708.375,6349	708.375,8581			708.376,0502			708.376,2360	708.376,4161	
N:		7.089.899,7137	7.089.894,8982			7.089.890,7513			7.089.886,7433	7.089.882,8568	
Station: 1+10											
Dist. Eixo (m):		-8,845	-4,147			0,000			4,024	8,080	
Cota (m):		12,707	12,613						12,615	12,696	
E:		708.385,6301	708.385,8475			708.386,0395			708.386,2258	708.386,4136	
N:		7.089.900,0494	7.089.895,3568			7.089.891,2143			7.089.887,1942	7.089.883,1430	
Station: 2+0											
Dist. Eixo (m):		-8,717	-4,143			0,000			4,045	8,278	
Cota (m):		12,706	12,614						12,616	12,701	
E:		708.395,6253	708.395,8370			708.396,0288			708.396,2160	708.396,4120	
N:		7.089.900,3851	7.089.895,8155			7.089.891,6772			7.089.887,6367	7.089.883,4081	
Station: 3+10											
Dist. Eixo (m):		-8,365	-4,125			0,000			3,991	8,289	
Cota (m):		12,669	12,584						12,587	12,673	
E:		708.425,6094	708.425,8057			708.425,9966			708.426,1814	708.426,3803	
N:		7.089.901,4224	7.089.897,1868			7.089.893,0659			7.089.889,0797	7.089.884,7862	
Station: 4+0											
Dist. Eixo (m):		-8,265	-4,073			0,000			3,986	8,509	
Cota (m):		12,714	12,630						12,632	12,722	
E:		708.435,6033	708.435,7974			708.435,9859			708.436,1704	708.436,3798	
N:		7.089.901,7851	7.089.897,5978			7.089.893,5288			7.089.889,5468	7.089.885,0287	
Station: 4+10											
Dist. Eixo (m):		-8,165	-4,021			0,000			3,982	8,730	
Cota (m):		12,740	12,657						12,658	12,753	
E:		708.445,5972	708.445,7890			708.445,9752			708.446,1595	708.446,3793	
N:		7.089.902,1478	7.089.898,0088			7.089.893,9918			7.089.890,0139	7.089.885,2711	
Station: 5+0											
Dist. Eixo (m):		-8,064	-3,996			0,000			3,995	8,951	
Cota (m):		12,737	12,656						12,656	12,755	
E:		708.455,5912	708.455,7795			708.455,9645			708.456,1494	708.456,3788	
N:		7.089.902,5105	7.089.898,4460			7.089.894,4547			7.089.890,4637	7.089.885,5136	
Station: 6+10											
Dist. Eixo (m):		-8,187	-4,047			0,000			4,061	8,655	
Cota (m):		12,766	12,684						12,683	12,775	
E:		708.485,5778	708.485,7585			708.485,9351			708.486,1124	708.486,3130	
N:		7.089.903,9596	7.089.899,8241			7.089.895,7807			7.089.891,7234	7.089.887,1337	
Station: 7+0											
Dist. Eixo (m):		-8,174	-4,013			0,000			4,085	8,762	
Cota (m):		12,789	12,705						12,704	12,797	
E:		708.495,5688	708.495,7504			708.495,9256			708.496,1039	708.496,3081	
N:		7.089.904,3830	7.089.900,2262			7.089.896,2172			7.089.892,1357	7.089.887,4631	
Station: 7+10											
Dist. Eixo (m):		-8,155	-4,018			0,000			4,110	8,870	
Cota (m):		12,798	12,715						12,713	12,808	
E:		708.505,5601	708.505,7407			708.505,9161			708.506,0955	708.506,3032	
N:		7.089.904,8007	7.089.900,6679			7.089.896,6538			7.089.892,5481	7.089.887,7926	
Station: 8+0											
Dist. Eixo (m):		-8,117	-4,023			0,000			4,134	8,977	
Cota (m):		12,784	12,702						12,699	12,796	
E:		708.515,5522	708.515,7309			708.515,9065			708.516,0870	708.516,2984	
N:		7.089.905,1992	7.089.901,1095			7.089.897,0903			7.089.892,9605	7.089.888,1220	
Station: 9+10											
Dist. Eixo (m):		-8,192	-3,993			0,000			4,176	8,713	
Cota (m):		12,824	12,740						12,736	12,827	
E:		708.545,5203	708.545,7037			708.545,8779			708.546,0602	708.546,2583	
N:		7.089.906,5843	7.089.902,3885			7.089.898,3998			7.089.894,2276	7.089.889,6952	
Station: 10+0											
Dist. Eixo (m):		-8,094	-3,979			0,000			4,152	8,707	
Cota (m):		12,872	12,789						12,786	12,877	
E:		708.555,5151	708.555,6947			708.555,8684			708.556,0497	708.556,2485	
N:		7.089.906,9222	7.089.902,8114			7.089.898,8363			7.089.894,6880	7.089.890,1373	
Station: 10+10											
Dist. Eixo (m):		-7,995	-3,999			0,000			4,128	8,702	
Cota (m):		12,906	12,826						12,823	12,915	
E:		708.565,5099	708.565,6843			708.565,8589			708.566,0391	708.566,2387	
N:		7.089.907,2601	7.089.903,2683			7.089.899,2728			7.089.895,1485	7.089.890,5795	

PREFEITURA MUNICIPAL DE JOINVILLE
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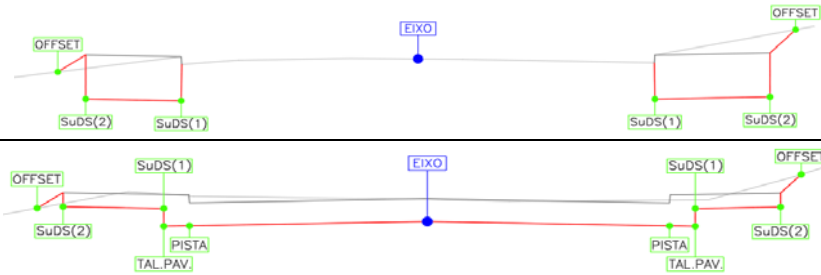
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 11+0											
Dist. Eixo (m):		-7,896	-4,025			0,000			4,103	8,696	
Cota (m):		12,920	12,842						12,841	12,932	
E:		708.575,5047	708.575,6737			708.575,8494			708.576,0285	708.576,2289	
N:		7.089.907,5980	7.089.903,7305			7.089.899,7094			7.089.895,6102	7.089.891,0216	
Station: 11+10											
Dist. Eixo (m):		-8,981	-6,110			0,000					
Cota (m):		12,866	12,809								
E:		708.585,4478	708.585,5731			708.585,8398					
N:		7.089.909,1186	7.089.906,2498			7.089.900,1459					
Station: 12+0											
Dist. Eixo (m):		-9,807	-8,941			0,000			5,829	7,019	
Cota (m):		12,781	12,763						12,826	12,849	
E:		708.595,4022	708.595,4400			708.595,8303			708.596,0847	708.596,1367	
N:		7.089.910,3798	7.089.909,5146			7.089.900,5824			7.089.894,7589	7.089.893,5700	
Station: 12+10											
Dist. Eixo (m):		-8,277	-3,940			0,000			4,042	7,383	
Cota (m):		12,956	12,869						12,867	12,934	
E:		708.605,4594	708.605,6487			708.605,8208			708.605,9972	708.606,1430	
N:		7.089.909,2884	7.089.904,9556			7.089.901,0189			7.089.896,9808	7.089.893,6430	
Station: 13+0											
Dist. Eixo (m):		-8,244	-3,894			0,000			4,076	7,534	
Cota (m):		12,956	12,869						12,866	12,935	
E:		708.615,4514	708.615,6412			708.615,8112			708.615,9891	708.616,1401	
N:		7.089.909,6917	7.089.905,3461			7.089.901,4554			7.089.897,3837	7.089.893,9281	
Station: 13+10											
Dist. Eixo (m):		-8,244	-3,861			0,000			4,070	7,582	
Cota (m):		12,956	12,868						12,864	12,934	
E:		708.625,4419	708.625,6332			708.625,8017			708.625,9793	708.626,1326	
N:		7.089.910,1276	7.089.905,7489			7.089.901,8919			7.089.897,8263	7.089.894,3176	
Station: 14+0											
Dist. Eixo (m):		-8,309	-3,883			0,000			4,063	7,651	
Cota (m):		12,954	12,865						12,862	12,934	
E:		708.635,4295	708.635,6227			708.635,7922			708.635,9695	708.636,1261	
N:		7.089.910,6291	7.089.906,2075			7.089.902,3284			7.089.898,2689	7.089.894,6849	
Station: 14+10											
Dist. Eixo (m):		-8,347	-3,905			0,000			4,057	7,736	
Cota (m):		12,952	12,863						12,860	12,933	
E:		708.645,4183	708.645,6122			708.645,7826			708.645,9597	708.646,1203	
N:		7.089.911,1036	7.089.906,6660			7.089.902,7649			7.089.898,7115	7.089.895,0368	
Station: 15+0											
Dist. Eixo (m):		-8,369	-3,927			0,000			4,051	7,857	
Cota (m):		12,877	12,789						12,786	12,862	
E:		708.655,4078	708.655,6017			708.655,7731			708.655,9499	708.656,1161	
N:		7.089.911,5621	7.089.907,1246			7.089.903,2015			7.089.899,1541	7.089.895,3521	
Station: 15+10											
Dist. Eixo (m):		-8,541	-3,949			0,000			4,032	7,978	
Cota (m):		12,805	12,713						12,711	12,790	
E:		708.665,3907	708.665,5912			708.665,7636			708.665,9396	708.666,1118	
N:		7.089.912,1712	7.089.907,5832			7.089.903,6380			7.089.899,6100	7.089.895,6673	
Station: 16+0											
Dist. Eixo (m):		-5,885	-3,976			0,000			4,011	6,124	
Cota (m):		12,675	12,637						12,637	12,679	
E:		708.675,4971	708.675,5805			708.675,7540			708.675,9291	708.676,0214	
N:		7.089.909,9544	7.089.908,0465			7.089.904,0745			7.089.900,0670	7.089.897,9564	
Station: 16+10											
Dist. Eixo (m):		-5,916	-4,003			0,000			3,991	6,144	
Cota (m):		12,600	12,562						12,562	12,605	
E:		708.685,4863	708.685,5698			708.685,7445			708.685,9187	708.686,0127	
N:		7.089.910,4209	7.089.908,5103			7.089.904,5110			7.089.900,5239	7.089.898,3733	
Station: 17+0											
Dist. Eixo (m):		-6,077	-4,085			0,000					
Cota (m):		12,476	12,436								
E:		708.695,4697	708.695,5566			708.695,7350					
N:		7.089.911,0186	7.089.909,0290			7.089.904,9475					
Station: 17+17											
Dist. Eixo (m):		-6,125	-5,626	-5,626	-5,239	0,000	5,031	5,418	5,418	7,767	
Cota (m):		12,779	12,769	12,223	12,231	12,336	12,235	12,228	12,313	12,360	
E:		708.713,2236	708.713,2454	708.713,2454	708.713,2623	708.713,4910	708.713,7106	708.713,7275	708.713,7275	708.713,8300	
N:		7.089.911,8423	7.089.911,3444	7.089.911,3444	7.089.910,9569	7.089.905,7233	7.089.900,6974	7.089.900,3101	7.089.900,3101	7.089.897,9637	

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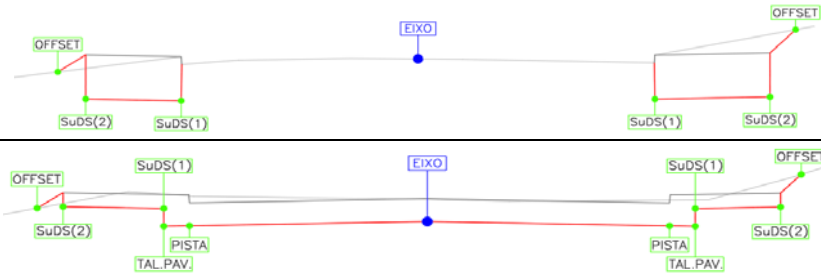
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 18+0											
Dist. Eixo (m):		-5,985	-4,663	-4,663	-4,275	0,000	4,178	4,565	4,565	6,235	
Cota Camada 1 (m)					12,840	12,695	12,842				
Cota Camada 6 (m)					12,800	12,655	12,802				
Cota Camada 7 (m)					12,630	12,485	12,632				
Cota (m):		12,794	12,768	12,222	12,230	12,315	12,232	12,224	12,310	12,343	
E:		708.715,4552	708.715,5128	708.715,5128	708.715,5297	708.715,7159	708.715,8979	708.715,9147	708.715,9147	708.715,9875	
N:		7.089.911,8000	7.089.910,4792	7.089.910,4792	7.089.910,0916	7.089.905,8203	7.089.901,6467	7.089.901,2593	7.089.901,2593	7.089.899,5910	
Station: 18+10											
Dist. Eixo (m):		-6,063	-4,334	-4,334	-3,946	0,000	4,054	4,441	4,441	5,941	
Cota Camada 1 (m)					12,786	12,635	12,783				
Cota Camada 6 (m)					12,746	12,595	12,743				
Cota Camada 7 (m)					12,576	12,425	12,573				
Cota (m):		12,288	12,253	12,168	12,176	12,255	12,173	12,166	12,251	12,281	
E:		708.725,4424	708.725,5177	708.725,5177	708.725,5345	708.725,7064	708.725,8830	708.725,8999	708.725,8999	708.725,9652	
N:		7.089.912,3132	7.089.910,5862	7.089.910,5862	7.089.910,1986	7.089.906,2558	7.089.902,2061	7.089.901,8187	7.089.901,8187	7.089.900,3202	
Station: 19+0											
Dist. Eixo (m):		-6,141	-4,289	-4,289	-3,901	0,000	4,099	4,487	4,487	5,976	
Cota Camada 1 (m)					12,780	12,628	12,776				
Cota Camada 6 (m)					12,740	12,588	12,736				
Cota Camada 7 (m)					12,570	12,418	12,566				
Cota (m):		12,285	12,248	12,162	12,170	12,248	12,166	12,158	12,243	12,273	
E:		708.735,4295	708.735,5101	708.735,5101	708.735,5270	708.735,6969	708.735,8755	708.735,8924	708.735,8924	708.735,9572	
N:		7.089.912,8266	7.089.910,9763	7.089.910,9763	7.089.910,5887	7.089.906,6914	7.089.902,5962	7.089.902,2088	7.089.902,2088	7.089.900,7207	
Station: 19+10											
Dist. Eixo (m):		-6,219	-4,243	-4,243	-3,856	0,000	4,145	4,532	4,532	6,011	
Cota Camada 1 (m)					12,797	12,644	12,791				
Cota Camada 6 (m)					12,757	12,604	12,751				
Cota Camada 7 (m)					12,587	12,434	12,581				
Cota (m):		12,304	12,265	12,179	12,187	12,264	12,181	12,173	12,258	12,288	
E:		708.745,4166	708.745,5026	708.745,5026	708.745,5195	708.745,6875	708.745,8680	708.745,8848	708.745,8848	708.745,9493	
N:		7.089.913,3400	7.089.911,3663	7.089.911,3663	7.089.910,9788	7.089.907,1269	7.089.902,9863	7.089.902,5989	7.089.902,5989	7.089.901,1212	
Station: 20+0											
Dist. Eixo (m):		-5,995	-4,198	-4,198	-3,810	0,000	4,190	4,578	4,578	6,046	
Cota Camada 1 (m)					12,814	12,660	12,806				
Cota Camada 6 (m)					12,774	12,620	12,766				
Cota Camada 7 (m)					12,604	12,450	12,596				
Cota (m):		12,317	12,281	12,196	12,204	12,280	12,196	12,189	12,274	12,303	
E:		708.755,4169	708.755,4951	708.755,4951	708.755,5120	708.755,6780	708.755,8604	708.755,8773	708.755,8773	708.755,9413	
N:		7.089.913,5514	7.089.911,7564	7.089.911,7564	7.089.911,3688	7.089.907,5624	7.089.903,3763	7.089.902,9890	7.089.902,9890	7.089.901,5217	
Station: 20+10											
Dist. Eixo (m):		-5,753	-4,153	-4,153	-3,765	0,000	4,236	4,623	4,623	6,082	
Cota Camada 1 (m)					12,831	12,676	12,821				
Cota Camada 6 (m)					12,791	12,636	12,781				
Cota Camada 7 (m)					12,621	12,466	12,611				
Cota (m):		12,330	12,298	12,213	12,221	12,296	12,211	12,204	12,289	12,318	
E:		708.765,4179	708.765,4876	708.765,4876	708.765,5045	708.765,6685	708.765,8529	708.765,8698	708.765,8698	708.765,9333	
N:		7.089.913,7456	7.089.912,1465	7.089.912,1465	7.089.911,7589	7.089.907,9979	7.089.903,7664	7.089.903,3790	7.089.903,3790	7.089.901,9221	
Station: 21+0											
Dist. Eixo (m):					-6,517	0,000	6,536				
Cota Camada 1 (m)					12,792	12,692	12,791				
Cota Camada 6 (m)					12,752	12,652	12,751				
Cota Camada 7 (m)					12,582	12,482	12,581				
Cota (m):					12,182	12,312	12,181				
E:					708.775,3752	708.775,6590	708.775,9437				
N:					7.089.914,9440	7.089.908,4335	7.089.901,9035				
Station: 21+10											
Dist. Eixo (m):		-6,059	-4,509	-4,509	-4,121	0,000	4,438	4,826	4,826	6,804	
Cota Camada 1 (m)					12,856	12,708	12,849				
Cota Camada 6 (m)					12,816	12,668	12,809				
Cota Camada 7 (m)					12,646	12,498	12,639				
Cota (m):		12,354	12,323	12,238	12,246	12,328	12,239	12,232	12,316	12,356	
E:		708.785,3856	708.785,4531	708.785,4531	708.785,4700	708.785,6495	708.785,8428	708.785,8597	708.785,8597	708.785,9458	
N:		7.089.914,9227	7.089.913,3735	7.089.913,3735	7.089.912,9859	7.089.908,8690	7.089.904,4355	7.089.904,0481	7.089.904,0481	7.089.902,0715	
Station: 21+16											
Dist. Eixo (m):		-5,729	-4,394	-4,394	-4,006	0,000	3,994	4,382	4,382	6,004	
Cota Camada 1 (m)					12,868	12,718	12,868				
Cota Camada 6 (m)					12,828	12,678	12,828				
Cota Camada 7 (m)					12,658	12,508	12,658				
Cota (m):		12,362	12,336	12,250	12,258	12,338	12,258	12,250	12,336	12,368	
E:		708.791,6708	708.791,7289	708.791,7289	708.791,7458	708.791,9203	708.792,0942	708.792,1111	708.792,1111	708.792,1818	
N:		7.089.914,8661	7.089.913,5319	7.089.913,5319	7.089.913,1443	7.089.909,1424	7.089.905,1518	7.089.904,7644	7.089.904,7644	7.089.903,1441	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA HENZI ZIETZ

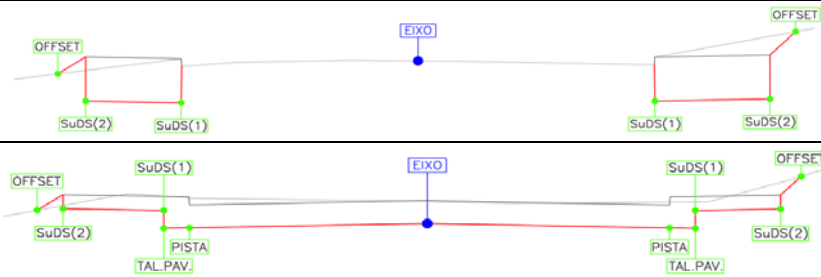
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 22+0											
Dist. Eixo (m):		-5,707	-4,403	-4,403	-4,015	0,000	3,985	4,373	4,373	6,006	
Cota Camada 1 (m)					12,874	12,724	12,874				
Cota Camada 6 (m)					12,834	12,684	12,834				
Cota Camada 7 (m)					12,664	12,514	12,664				
Cota (m):		12,367	12,341	12,256	12,264	12,344	12,264	12,257	12,342	12,375	
E:		708.795,4293	708.795,4776	708.795,4776	708.795,4920	708.795,6410	708.795,7888	708.795,8032	708.795,8032	708.795,8638	
N:		7.089.914,9834	7.089.913,6807	7.089.913,6807	7.089.913,2930	7.089.909,2805	7.089.905,2985	7.089.904,9110	7.089.904,9110	7.089.903,2785	
Station: 22+10											
Dist. Eixo (m):		-5,715	-4,429	-4,429	-4,041	0,000	3,959	4,347	4,347	6,012	
Cota Camada 1 (m)					12,889	12,740	12,891				
Cota Camada 6 (m)					12,849	12,700	12,851				
Cota Camada 7 (m)					12,679	12,530	12,681				
Cota (m):		12,383	12,357	12,271	12,279	12,360	12,281	12,273	12,359	12,392	
E:		708.805,4221	708.805,4698	708.805,4698	708.805,4842	708.805,6341	708.805,7810	708.805,7953	708.805,7953	708.805,8571	
N:		7.089.915,3623	7.089.914,0773	7.089.914,0773	7.089.913,6896	7.089.909,6515	7.089.905,6951	7.089.905,3076	7.089.905,3076	7.089.903,6433	
Station: 23+0											
Dist. Eixo (m):		-5,902	-4,455	-4,455	-4,067	0,000	3,933	4,321	4,321	6,018	
Cota Camada 1 (m)					12,905	12,756	12,907				
Cota Camada 6 (m)					12,865	12,716	12,867				
Cota Camada 7 (m)					12,695	12,546	12,697				
Cota (m):		12,401	12,372	12,287	12,295	12,376	12,297	12,290	12,375	12,409	
E:		708.815,4083	708.815,4620	708.815,4620	708.815,4764	708.815,6272	708.815,7731	708.815,7875	708.815,7875	708.815,8505	
N:		7.089.915,9199	7.089.914,4739	7.089.914,4739	7.089.914,0862	7.089.910,0224	7.089.906,0917	7.089.905,7042	7.089.905,7042	7.089.904,0082	
Station: 23+10											
Dist. Eixo (m):		-6,040	-4,480	-4,480	-4,092	0,000	3,908	4,295	4,295	6,025	
Cota Camada 1 (m)					12,964	12,816	12,968				
Cota Camada 6 (m)					12,924	12,776	12,928				
Cota Camada 7 (m)					12,754	12,606	12,758				
Cota (m):		12,463	12,432	12,346	12,354	12,436	12,358	12,350	12,435	12,470	
E:		708.825,3963	708.825,4541	708.825,4541	708.825,4685	708.825,6203	708.825,7653	708.825,7797	708.825,7797	708.825,8438	
N:		7.089.916,4294	7.089.914,8706	7.089.914,8706	7.089.914,4829	7.089.910,3934	7.089.906,4883	7.089.906,1009	7.089.906,1009	7.089.904,3730	
Station: 24+0											
Dist. Eixo (m):		-6,089	-4,506	-4,506	-4,118	0,000	3,882	4,270	4,270	5,909	
Cota Camada 1 (m)					13,161	13,013	13,165				
Cota Camada 6 (m)					13,121	12,973	13,125				
Cota Camada 7 (m)					12,951	12,803	12,955				
Cota (m):		12,660	12,628	12,543	12,551	12,633	12,555	12,548	12,633	12,666	
E:		708.835,3876	708.835,4463	708.835,4463	708.835,4607	708.835,6134	708.835,7575	708.835,7718	708.835,7718	708.835,8326	
N:		7.089.916,8491	7.089.915,2672	7.089.915,2672	7.089.914,8795	7.089.910,7644	7.089.906,8850	7.089.906,4975	7.089.906,4975	7.089.904,8599	
Station: 24+10											
Dist. Eixo (m):		-6,803	-6,660	-6,660	-1,376	0,000	5,428	5,816	5,816	8,486	
Cota Camada 1 (m)					13,495	13,293	13,415				
Cota Camada 6 (m)					13,455	13,253	13,375				
Cota Camada 7 (m)					13,285	13,083	13,205				
Cota (m):		12,777	12,780	12,779	12,885	12,913	12,805	12,797	12,883	12,936	
E:		708.845,3542	708.845,3595	708.845,3595	708.845,5555	708.845,6066	708.845,8079	708.845,8223	708.845,8223	708.845,9214	
N:		7.089.917,9335	7.089.917,7908	7.089.917,7908	7.089.912,5106	7.089.911,1353	7.089.905,7113	7.089.905,3238	7.089.905,3238	7.089.902,6553	
Station: 25+0											
Dist. Eixo (m):					-6,525	0,000	6,113	6,501	6,501	9,953	
Cota Camada 1 (m)					13,500	13,401	13,509				
Cota Camada 6 (m)					13,460	13,361	13,469				
Cota Camada 7 (m)					13,290	13,191	13,299				
Cota (m):					12,890	13,021	12,899	12,891	12,976	13,045	
E:					708.855,3576	708.855,5997	708.855,8264	708.855,8408	708.855,8408	708.855,9689	
N:					7.089.918,0273	7.089.911,5063	7.089.905,3976	7.089.905,0102	7.089.905,0102	7.089.901,5599	
Station: 25+5											
Dist. Eixo (m):		-5,952	-4,395	-4,395	-4,007	0,000	3,997	4,384	4,384	6,177	
Cota Camada 1 (m)					13,512	13,362	13,512				
Cota Camada 6 (m)					13,472	13,322	13,472				
Cota Camada 7 (m)					13,302	13,152	13,302				
Cota (m):		13,011	12,979	12,894	12,902	12,982	12,902	12,894	12,979	13,015	
E:		708.860,9675	708.861,0252	708.861,0252	708.861,0396	708.861,1883	708.861,3369	708.861,3513	708.861,3513	708.861,4180	
N:		7.089.917,6614	7.089.916,1057	7.089.916,1057	7.089.915,7180	7.089.911,7138	7.089.907,7095	7.089.907,3220	7.089.907,3220	7.089.905,5255	
Station: 25+10											
Dist. Eixo (m):		-6,018	-4,437	-4,437	-4,049	0,000	3,951	4,339	4,339	6,060	
Cota Camada 1 (m)					13,442	13,293	13,444				
Cota Camada 6 (m)					13,402	13,253	13,404				
Cota Camada 7 (m)					13,232	13,083	13,234				
Cota (m):		12,941	12,910	12,824	12,832	12,913	12,834	12,826	12,912	12,946	
E:		708.865,7934	708.865,7409	708.865,7409	708.865,7280	708.865,5934	708.865,4621	708.865,4492	708.865,4492	708.865,3920	
N:		7.089.917,5824	7.089.916,0022	7.089.916,0022	7.089.915,6144	7.089.911,5673	7.089.907,6184	7.089.907,2308	7.089.907,2308	7.089.905,5109	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA HENZI ZIETZ

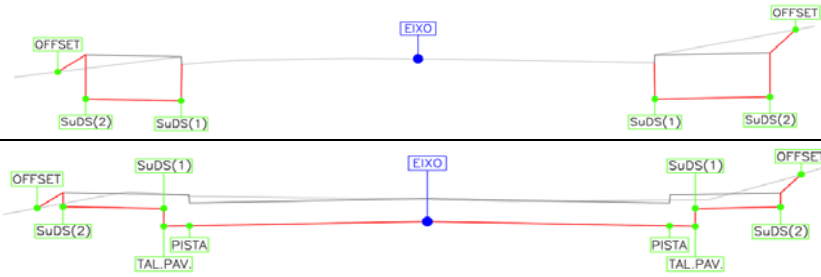
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 26+0											
Dist. Eixo (m):		-6,069	-4,549	-4,549	-4,161	0,000	3,840	4,227	4,227	5,764	
Cota Camada 1 (m)					13,280	13,133	13,286				
Cota Camada 6 (m)					13,240	13,093	13,246				
Cota Camada 7 (m)					13,070	12,923	13,076				
Cota (m):		12,778	12,748	12,662	12,670	12,753	12,676	12,669	12,754	12,785	
E:		708.875,7896	708.875,7391	708.875,7391	708.875,7262	708.875,5879	708.875,4602	708.875,4474	708.875,4474	708.875,3963	
N:		7.089.917,3009	7.089.915,7812	7.089.915,7812	7.089.915,3935	7.089.911,2349	7.089.907,3974	7.089.907,0099	7.089.907,0099	7.089.905,4741	
Station: 26+10											
Dist. Eixo (m):		-6,039	-4,660	-4,660	-4,272	0,000	3,728	4,116	4,116	5,661	
Cota Camada 1 (m)					13,172	13,028	13,183				
Cota Camada 6 (m)					13,132	12,988	13,143				
Cota Camada 7 (m)					12,962	12,818	12,973				
Cota (m):		12,668	12,640	12,554	12,562	12,648	12,573	12,566	12,651	12,682	
E:		708.885,7831	708.885,7372	708.885,7372	708.885,7244	708.885,5823	708.885,4584	708.885,4455	708.885,4455	708.885,3942	
N:		7.089.916,9377	7.089.915,5603	7.089.915,5603	7.089.915,1726	7.089.910,9025	7.089.907,1765	7.089.906,7890	7.089.906,7890	7.089.905,2451	
Station: 27+0											
Dist. Eixo (m):		-6,008	-4,772	-4,772	-4,384	0,000	3,617	4,004	4,004	5,579	
Cota Camada 1 (m)					13,156	13,013	13,171				
Cota Camada 6 (m)					13,116	12,973	13,131				
Cota Camada 7 (m)					12,946	12,803	12,961				
Cota (m):		12,648	12,623	12,538	12,546	12,633	12,561	12,553	12,639	12,670	
E:		708.895,7765	708.895,7354	708.895,7354	708.895,7225	708.895,5768	708.895,4566	708.895,4437	708.895,4437	708.895,3914	
N:		7.089.916,5745	7.089.915,3394	7.089.915,3394	7.089.914,9516	7.089.910,5701	7.089.906,9556	7.089.906,5680	7.089.906,5680	7.089.904,9938	
Station: 27+10											
Dist. Eixo (m):		-5,977	-4,883	-4,883	-4,495	0,000	3,505	3,893	3,893	5,498	
Cota Camada 1 (m)					13,176	13,036	13,196				
Cota Camada 6 (m)					13,136	12,996	13,156				
Cota Camada 7 (m)					12,966	12,826	12,986				
Cota (m):		12,665	12,644	12,558	12,566	12,656	12,586	12,578	12,663	12,695	
E:		708.905,7700	708.905,7336	708.905,7336	708.905,7207	708.905,5713	708.905,4548	708.905,4419	708.905,4419	708.905,3885	
N:		7.089.916,2112	7.089.915,1184	7.089.915,1184	7.089.914,7307	7.089.910,2377	7.089.906,7346	7.089.906,3471	7.089.906,3471	7.089.904,7426	
Station: 28+0											
Dist. Eixo (m):					-6,200	0,000	6,710	6,726	6,726	10,922	
Cota Camada 1 (m)					13,049	13,058	13,229				
Cota Camada 6 (m)					13,009	13,018	13,189				
Cota Camada 7 (m)					12,839	12,848	13,019				
Cota (m):					12,439	12,678	12,619	12,546	12,615	12,699	
E:					708.915,7718	708.915,5658	708.915,3427	708.915,3422	708.915,3422	708.915,2027	
N:					7.089.916,1016	7.089.909,9054	7.089.903,1987	7.089.903,1831	7.089.903,1831	7.089.898,9895	
Station: 28+10											
Dist. Eixo (m):		-9,373	-6,532	-6,532	-6,144	0,000	6,935	7,323	7,323	9,327	
Cota Camada 1 (m)					13,188	13,081	13,172				
Cota Camada 6 (m)					13,148	13,041	13,132				
Cota Camada 7 (m)					12,978	12,871	12,962				
Cota (m):		12,712	12,655	12,570	12,578	12,701	12,562	12,554	12,640	12,680	
E:		708.925,8718	708.925,7774	708.925,7774	708.925,7645	708.925,5602	708.925,3297	708.925,3168	708.925,3168	708.925,2502	
N:		7.089.918,9410	7.089.916,1014	7.089.916,1014	7.089.915,7136	7.089.909,5730	7.089.902,6415	7.089.902,2539	7.089.902,2539	7.089.900,2511	
Station: 28+13											
Dist. Eixo (m):		-6,260	-4,564	-4,564	-4,176	0,000	4,052	4,440	4,440	6,002	
Cota Camada 1 (m)					13,236	13,089	13,238				
Cota Camada 6 (m)					13,196	13,049	13,198				
Cota Camada 7 (m)					13,026	12,879	13,028				
Cota (m):		12,737	12,703	12,618	12,626	12,709	12,628	12,620	12,706	12,737	
E:		708.929,5939	708.929,5375	708.929,5375	708.929,5246	708.929,3858	708.929,2511	708.929,2382	708.929,2382	708.929,1863	
N:		7.089.915,7024	7.089.914,0075	7.089.914,0075	7.089.913,6197	7.089.909,4457	7.089.905,3961	7.089.905,0085	7.089.905,0085	7.089.903,4472	
Station: 29+0											
Dist. Eixo (m):		-6,004	-4,413	-4,413	-4,025	0,000	3,975	4,363	4,363	5,978	
Cota Camada 1 (m)					13,253	13,103	13,254				
Cota Camada 6 (m)					13,213	13,063	13,214				
Cota Camada 7 (m)					13,043	12,893	13,044				
Cota (m):		12,752	12,720	12,635	12,643	12,723	12,644	12,636	12,721	12,753	
E:		708.935,7556	708.935,7024	708.935,7024	708.935,6894	708.935,5547	708.935,4216	708.935,4086	708.935,4086	708.935,3546	
N:		7.089.915,2396	7.089.913,6499	7.089.913,6499	7.089.913,2622	7.089.909,2391	7.089.905,2666	7.089.904,8791	7.089.904,8791	7.089.903,2648	
Station: 29+10											
Dist. Eixo (m):		-6,000	-4,457	-4,457	-4,069	0,000	3,931	4,319	4,319	5,938	
Cota Camada 1 (m)					13,274	13,125	13,277				
Cota Camada 6 (m)					13,234	13,085	13,237				
Cota Camada 7 (m)					13,064	12,915	13,067				
Cota (m):		12,772	12,742	12,656	12,664	12,745	12,667	12,659	12,745	12,777	
E:		708.945,7499	708.945,6983	708.945,6983	708.945,6853	708.945,5491	708.945,4175	708.945,4045	708.945,4045	708.945,3503	
N:		7.089.914,9009	7.089.913,3590	7.089.913,3590	7.089.912,9713	7.089.908,9044	7.089.904,9757	7.089.904,5881	7.089.904,5881	7.089.902,9693	

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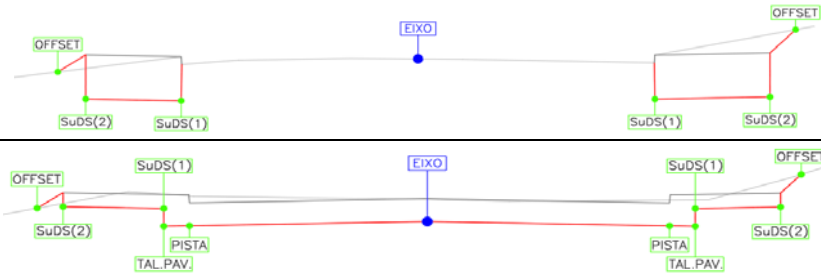
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 30+0											
Dist. Eixo (m):		-5,996	-4,501	-4,501	-4,113	0,000	3,887	4,275	4,275	5,899	
Cota Camada 1 (m)					13,296	13,148	13,300				
Cota Camada 6 (m)					13,256	13,108	13,260				
Cota Camada 7 (m)					13,086	12,938	13,090				
Cota (m):		12,793	12,763	12,678	12,686	12,768	12,690	12,682	12,768	12,800	
E:		708.955,7442	708.955,6941	708.955,6941	708.955,6811	708.955,5435	708.955,4133	708.955,4004	708.955,4004	708.955,3460	
N:		7.089.914,5621	7.089.913,0681	7.089.913,0681	7.089.912,6803	7.089.908,5697	7.089.904,6847	7.089.904,2972	7.089.904,2970	7.089.902,6737	
Station: 30+10											
Dist. Eixo (m):		-5,992	-4,545	-4,545	-4,157	0,000	3,843	4,231	4,231	5,860	
Cota Camada 1 (m)					13,317	13,170	13,323				
Cota Camada 6 (m)					13,277	13,130	13,283				
Cota Camada 7 (m)					13,107	12,960	13,113				
Cota (m):		12,814	12,785	12,699	12,707	12,790	12,713	12,706	12,790	12,823	
E:		708.965,7384	708.965,6900	708.965,6900	708.965,6770	708.965,5379	708.965,4092	708.965,3962	708.965,3962	708.965,3417	
N:		7.089.914,2234	7.089.912,7771	7.089.912,7771	7.089.912,3894	7.089.908,2350	7.089.904,3938	7.089.904,0063	7.089.904,0063	7.089.902,3782	
Station: 31+0											
Dist. Eixo (m):		-5,988	-4,589	-4,589	-4,201	0,000	3,800	4,187	4,187	5,821	
Cota Camada 1 (m)					13,339	13,193	13,347				
Cota Camada 6 (m)					13,299	13,153	13,307				
Cota Camada 7 (m)					13,129	12,983	13,137				
Cota (m):		12,834	12,806	12,721	12,729	12,813	12,737	12,729	12,814	12,847	
E:		708.975,7327	708.975,6858	708.975,6858	708.975,6729	708.975,5323	708.975,4051	708.975,3921	708.975,3921	708.975,3374	
N:		7.089.913,8847	7.089.912,4862	7.089.912,4862	7.089.912,0985	7.089.907,9003	7.089.904,1029	7.089.903,7153	7.089.903,7153	7.089.902,0827	
Station: 31+10											
Dist. Eixo (m):		-5,984	-4,590	-4,590	-4,202	0,000	4,990	5,378	5,378	7,515	
Cota Camada 1 (m)					13,361	13,215	13,345				
Cota Camada 6 (m)					13,321	13,175	13,305				
Cota Camada 7 (m)					13,151	13,005	13,135				
Cota (m):		12,856	12,828	12,743	12,751	12,835	12,735	12,727	12,812	12,855	
E:		708.985,7269	708.985,6803	708.985,6803	708.985,6673	708.985,5266	708.985,3596	708.985,3466	708.985,3466	708.985,2751	
N:		7.089.913,5460	7.089.912,1531	7.089.912,1531	7.089.911,7654	7.089.907,5655	7.089.902,5782	7.089.902,1906	7.089.902,1906	7.089.900,0547	
Station: 32+0											
Dist. Eixo (m):		-5,980	-4,499	-4,499	-4,111	0,000	7,015				
Cota Camada 1 (m)					13,386	13,238	13,327				
Cota Camada 6 (m)					13,346	13,198	13,287				
Cota Camada 7 (m)					13,176	13,028	13,117				
Cota (m):		12,883	12,853	12,768	12,776	12,858	12,717				
E:		708.995,7212	708.995,6716	708.995,6716	708.995,6586	708.995,5210	708.995,2863				
N:		7.089.913,2073	7.089.911,7272	7.089.911,7272	7.089.911,3394	7.089.907,2308	7.089.900,2202				
Station: 32+10											
Dist. Eixo (m):		-5,976	-4,408	-4,408	-4,020	0,000	3,998	4,386	4,386	6,029	
Cota Camada 1 (m)					13,423	13,273	13,423				
Cota Camada 6 (m)					13,383	13,233	13,383				
Cota Camada 7 (m)					13,213	13,063	13,213				
Cota (m):		12,922	12,890	12,805	12,813	12,893	12,813	12,805	12,890	12,923	
E:		709.005,7155	709.005,6630	709.005,6630	709.005,6500	709.005,5154	709.005,3816	709.005,3686	709.005,3686	709.005,3136	
N:		7.089.912,8685	7.089.911,3012	7.089.911,3012	7.089.910,9135	7.089.906,8961	7.089.902,9002	7.089.902,5126	7.089.902,5126	7.089.900,8701	
Station: 32+12											
Dist. Eixo (m):		-5,975	-4,388	-4,388	-4,000	0,000	4,000	4,388	4,388	6,030	
Cota Camada 1 (m)					13,433	13,283	13,433				
Cota Camada 6 (m)					13,393	13,243	13,393				
Cota Camada 7 (m)					13,223	13,073	13,223				
Cota (m):		12,932	12,900	12,815	12,823	12,903	12,823	12,815	12,900	12,933	
E:		709.007,8617	709.007,8086	709.007,8086	709.007,7956	709.007,6617	709.007,5278	709.007,5149	709.007,5149	709.007,4599	
N:		7.089.912,7958	7.089.911,2097	7.089.911,2097	7.089.910,8220	7.089.906,8242	7.089.902,8265	7.089.902,4389	7.089.902,4389	7.089.900,7973	
Station: 33+0											
Dist. Eixo (m):		-5,978	-4,388	-4,388	-4,000	0,000	4,000	4,388	4,388	6,026	
Cota Camada 1 (m)					13,476	13,326	13,476				
Cota Camada 6 (m)					13,436	13,286	13,436				
Cota Camada 7 (m)					13,266	13,116	13,266				
Cota (m):		12,975	12,943	12,858	12,866	12,946	12,866	12,858	12,943	12,976	
E:		709.015,7148	709.015,6602	709.015,6602	709.015,6469	709.015,5096	709.015,3723	709.015,3590	709.015,3590	709.015,3028	
N:		7.089.912,5297	7.089.910,9401	7.089.910,9401	7.089.910,5523	7.089.906,5547	7.089.902,5571	7.089.902,1695	7.089.902,1695	7.089.900,5321	
Station: 33+10											
Dist. Eixo (m):		-5,983	-4,388	-4,388	-4,000	0,000	4,000	4,388	4,388	6,021	
Cota Camada 1 (m)					13,531	13,381	13,531				
Cota Camada 6 (m)					13,491	13,341	13,491				
Cota Camada 7 (m)					13,321	13,171	13,321				
Cota (m):		13,031	12,999	12,913	12,921	13,001	12,921	12,914	12,999	13,032	
E:		709.025,7091	709.025,6543	709.025,6543	709.025,6410	709.025,5037	709.025,3664	709.025,3531	709.025,3531	709.025,2971	
N:		7.089.912,1909	7.089.910,5968	7.089.910,5968	7.089.910,2091	7.089.906,2115	7.089.902,2138	7.089.901,8263	7.089.901,8263	7.089.900,1941	

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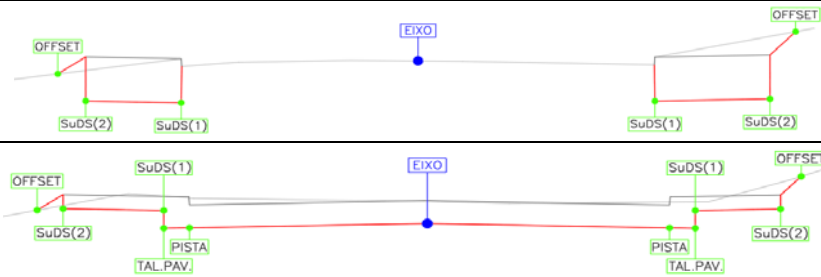
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 34+0											
Dist. Eixo (m):		-5,987	-4,388	-4,388	-4,000	0,000	4,000	4,388	4,388	6,016	
Cota Camada 1 (m)					13,549	13,399	13,549				
Cota Camada 6 (m)					13,509	13,359	13,509				
Cota Camada 7 (m)					13,339	13,189	13,339				
Cota (m):		13,048	13,016	12,931	12,939	13,019	12,939	12,931	13,016	13,049	
E:		709,035,7033	709,035,6484	709,035,6484	709,035,6351	709,035,4978	709,035,3605	709,035,3472	709,035,3472	709,035,2914	
N:		7,089,911,8522	7,089,910,2536	7,089,910,2536	7,089,909,8659	7,089,905,8683	7,089,901,8706	7,089,901,4831	7,089,901,4831	7,089,899,8562	
Station: 34+10											
Dist. Eixo (m):		-5,992	-4,388	-4,388	-4,000	0,000	4,000	4,388	4,388	6,010	
Cota Camada 1 (m)					13,520	13,370	13,520				
Cota Camada 6 (m)					13,480	13,330	13,480				
Cota Camada 7 (m)					13,310	13,160	13,310				
Cota (m):		13,020	12,988	12,902	12,910	12,990	12,910	12,902	12,988	13,020	
E:		709,045,6976	709,045,6425	709,045,6425	709,045,6292	709,045,4919	709,045,3546	709,045,3413	709,045,3413	709,045,2856	
N:		7,089,911,5135	7,089,909,9104	7,089,909,9104	7,089,909,5227	7,089,905,5250	7,089,901,5274	7,089,901,1399	7,089,901,1399	7,089,899,5182	
Station: 35+0											
Dist. Eixo (m):		-5,996	-4,388	-4,388	-4,000	0,000	4,000	4,388	4,388	6,005	
Cota Camada 1 (m)					13,482	13,332	13,482				
Cota Camada 6 (m)					13,442	13,292	13,442				
Cota Camada 7 (m)					13,272	13,122	13,272				
Cota (m):		12,981	12,949	12,864	12,872	12,952	12,872	12,864	12,949	12,981	
E:		709,055,6919	709,055,6366	709,055,6366	709,055,6233	709,055,4860	709,055,3488	709,055,3354	709,055,3354	709,055,2799	
N:		7,089,911,1748	7,089,909,5672	7,089,909,5672	7,089,909,1795	7,089,905,1818	7,089,901,1842	7,089,900,7966	7,089,900,7966	7,089,899,1803	
Station: 35+7											
Dist. Eixo (m):		-5,992	-4,382	-4,382	-3,995	0,000	4,000	4,388	4,388	6,001	
Cota Camada 1 (m)					13,453	13,303	13,453				
Cota Camada 6 (m)					13,413	13,263	13,413				
Cota Camada 7 (m)					13,243	13,093	13,243				
Cota (m):		12,953	12,921	12,835	12,843	12,923	12,843	12,835	12,921	12,953	
E:		709,063,0671	709,063,0118	709,063,0118	709,062,9984	709,062,8612	709,062,7239	709,062,7106	709,062,7106	709,062,6552	
N:		7,089,910,9248	7,089,909,3139	7,089,909,3139	7,089,908,9262	7,089,904,9285	7,089,900,9309	7,089,900,5434	7,089,900,5434	7,089,898,9309	
Station: 35+10											
Dist. Eixo (m):		-6,174	-4,515	-4,515	-4,127	0,000	4,160	4,548	4,548	6,181	11,372
Cota Camada 1 (m)					13,440	13,293	13,440				
Cota Camada 6 (m)					13,400	13,253	13,400				
Cota Camada 7 (m)					13,230	13,083	13,230				
Cota (m):		12,941	12,908	12,822	12,830	12,913	12,830	12,822	12,907	12,940	9,939
E:		709,065,3792	709,065,4067	709,065,4067	709,065,4131	709,065,4813	709,065,5501	709,065,5566	709,065,5566	709,065,5836	709,065,6694
N:		7,089,911,1452	7,089,909,4865	7,089,909,4865	7,089,909,0986	7,089,904,9719	7,089,900,8125	7,089,900,4248	7,089,900,4248	7,089,898,7921	7,089,893,6012
Station: 36+0											
Dist. Eixo (m):					-7,853	0,000	8,145				
Cota Camada 1 (m)					13,327	13,254	13,321				
Cota Camada 6 (m)					13,287	13,214	13,281				
Cota Camada 7 (m)					13,117	13,044	13,111				
Cota (m):					12,717	12,874	12,711				
E:					709,075,3501	709,075,4800	709,075,6147				
N:					7,089,912,9889	7,089,905,1373	7,089,896,9932				
Station: 36+10											
Dist. Eixo (m):		-6,503	-4,759	-4,759	-4,371	0,000	4,589	4,977	4,977	7,014	
Cota Camada 1 (m)					13,358	13,216	13,354				
Cota Camada 6 (m)					13,318	13,176	13,314				
Cota Camada 7 (m)					13,148	13,006	13,144				
Cota (m):		12,961	12,926	12,740	12,748	12,836	12,744	12,736	12,921	12,962	
E:		709,085,3711	709,085,3999	709,085,3999	709,085,4063	709,085,4786	709,085,5545	709,085,5609	709,085,5609	709,085,5946	
N:		7,089,911,8045	7,089,910,0609	7,089,910,0609	7,089,909,6730	7,089,905,3027	7,089,900,7139	7,089,900,3262	7,089,900,3262	7,089,898,2900	
Station: 36+12											
Dist. Eixo (m):		-6,006	-4,391	-4,391	-4,003	0,000	4,012	4,400	4,400	6,257	
Cota Camada 1 (m)					13,356	13,206	13,355				
Cota Camada 6 (m)					13,316	13,166	13,315				
Cota Camada 7 (m)					13,146	12,996	13,145				
Cota (m):		12,955	12,923	12,738	12,746	12,826	12,745	12,738	12,923	12,960	
E:		709,087,9564	709,087,9832	709,087,9832	709,087,9896	709,088,0558	709,088,1221	709,088,1285	709,088,1285	709,088,1593	
N:		7,089,911,3508	7,089,909,7354	7,089,909,7354	7,089,909,3475	7,089,905,3453	7,089,901,3338	7,089,900,9461	7,089,900,9461	7,089,899,0891	
Station: 37+0											
Dist. Eixo (m):		-6,066	-4,329	-4,329	-3,941	0,000	4,059	4,447	4,447	6,211	
Cota Camada 1 (m)					13,328	13,177	13,326				
Cota Camada 6 (m)					13,288	13,137	13,286				
Cota Camada 7 (m)					13,118	12,967	13,116				
Cota (m):		12,930	12,896	12,710	12,718	12,797	12,716	12,708	12,894	12,929	
E:		709,095,3622	709,095,3950	709,095,3950	709,095,4024	709,095,4769	709,095,5537	709,095,5610	709,095,5610	709,095,5944	
N:		7,089,911,5510	7,089,909,8140	7,089,909,8140	7,089,909,4261	7,089,905,4857	7,089,901,4273	7,089,901,0396	7,089,901,0396	7,089,899,2762	

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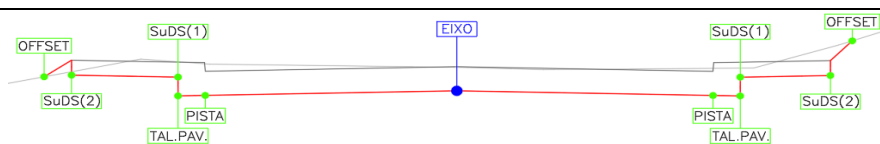
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 37+10											
Dist. Eixo (m):		-6,148	-4,246	-4,246	-3,858	0,000	4,142	4,530	4,530	6,155	
Cota Camada 1 (m)					13,291	13,138	13,285				
Cota Camada 6 (m)					13,251	13,098	13,245				
Cota Camada 7 (m)					13,081	12,928	13,075				
Cota (m):		12,897	12,859	12,673	12,681	12,758	12,675	12,668	12,853	12,885	
E:		709.105,3589	709.105,3948	709.105,3948	709.105,4022	709.105,4751	709.105,5535	709.105,5608	709.105,5608	709.105,5915	
N:		7.089.911,8212	7.089.909,9201	7.089.909,9201	7.089.909,5322	7.089.905,6748	7.089.901,5334	7.089.901,1457	7.089.901,1457	7.089.899,5212	
Station: 38+0											
Dist. Eixo (m):		-6,229	-4,163	-4,163	-3,775	0,000	4,225	4,613	4,613	6,163	
Cota Camada 1 (m)					13,254	13,100	13,245				
Cota Camada 6 (m)					13,214	13,060	13,205				
Cota Camada 7 (m)					13,044	12,890	13,035				
Cota (m):		12,863	12,822	12,636	12,644	12,720	12,635	12,627	12,813	12,844	
E:		709.115,3555	709.115,3946	709.115,3946	709.115,4019	709.115,4733	709.115,5533	709.115,5606	709.115,5606	709.115,5899	
N:		7.089.912,0914	7.089.910,0262	7.089.910,0262	7.089.909,6383	7.089.905,8639	7.089.901,6395	7.089.901,2518	7.089.901,2518	7.089.899,7023	
Station: 38+10											
Dist. Eixo (m):		-6,310	-4,080	-4,080	-3,692	0,000	4,308	4,696	4,696	6,274	
Cota Camada 1 (m)					13,217	13,061	13,205				
Cota Camada 6 (m)					13,177	13,021	13,165				
Cota Camada 7 (m)					13,007	12,851	12,995				
Cota (m):		12,829	12,785	12,599	12,607	12,681	12,595	12,587	12,772	12,804	
E:		709.125,3522	709.125,3944	709.125,3944	709.125,4017	709.125,4716	709.125,5530	709.125,5604	709.125,5604	709.125,5902	
N:		7.089.912,3616	7.089.910,1323	7.089.910,1323	7.089.909,7444	7.089.906,0530	7.089.901,7456	7.089.901,3579	7.089.901,3579	7.089.899,7800	
Station: 39+0											
Dist. Eixo (m):		-6,391	-3,997	-3,997	-3,609	0,000	4,391	4,779	4,779	6,386	
Cota Camada 1 (m)					13,180	13,022	13,164				
Cota Camada 6 (m)					13,140	12,982	13,124				
Cota Camada 7 (m)					12,970	12,812	12,954				
Cota (m):		12,795	12,748	12,562	12,570	12,642	12,554	12,547	12,732	12,764	
E:		709.135,3489	709.135,3942	709.135,3942	709.135,4015	709.135,4698	709.135,5528	709.135,5602	709.135,5602	709.135,5905	
N:		7.089.912,6318	7.089.910,2384	7.089.910,2384	7.089.909,8505	7.089.906,2422	7.089.901,8517	7.089.901,4640	7.089.901,4640	7.089.899,8576	
Station: 39+9											
Dist. Eixo (m):				-11,847	-11,501	0,000	10,182	10,528	10,528	11,000	
Cota Camada 1 (m)					13,024	12,986	13,049				
Cota Camada 6 (m)					12,984	12,946	13,009				
Cota Camada 7 (m)					12,814	12,776	12,839				
Cota (m):				12,407	12,414	12,606	12,439	12,432	12,598	12,607	
E:				709.144,6552	709.144,6617	709.144,6793	709.145,0718	709.145,0784	709.145,0784	709.145,0873	
N:				7.089.918,2654	7.089.917,9195	7.089.906,4202	7.089.896,2401	7.089.895,8944	7.089.895,8944	7.089.895,4221	

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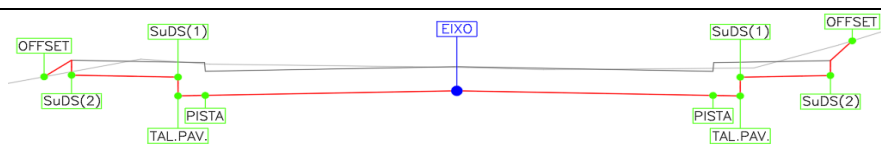
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist.eixo (m)					-8,000	0,000	8,000				
Cota Camada 1 (m)					10,688	10,848	10,688				
Cota Camada 3 (m)					10,608	10,768	10,608				
Cota Camada 6 (m)					10,568	10,728	10,568				
Cota Camada 7 (m)					10,448	10,608	10,448				
Cota (m)					10,298	10,458	10,298				
E					710,031.5206	710,023.5263	710,015.5320				
N					7,089,224.9948	7,089,224.6936	7,089,224.3925				
Station: 0+10											
Dist.eixo (m)	-6,095	-5,905	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,902	6,114
Cota Camada 1 (m)					10,791	10,871	10,791				
Cota Camada 3 (m)					10,711	10,791	10,711				
Cota Camada 6 (m)					10,671	10,751	10,671				
Cota Camada 7 (m)					10,551	10,631	10,551				
Cota (m)	10,851	10,978	10,688	10,393	10,401	10,481	10,401	10,393	10,689	10,719	10,837
E	710,029.9938	710,029.8033	710,028.2978	710,028.2978	710,027.8999	710,023.9028	710,019.9056	710,019.5079	710,019.5079	710,018.0049	710,017.7933
N	7,089,214.9302	7,089,214.9230	7,089,214.8663	7,089,214.8663	7,089,214.8513	7,089,214.7007	7,089,214.5501	7,089,214.5352	7,089,214.5352	7,089,214.4785	7,089,214.4706
Station: 1+0											
Dist.eixo (m)	-6,096	-5,928	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,912	6,154
Cota Camada 1 (m)					10,813	10,893	10,813				
Cota Camada 3 (m)					10,733	10,813	10,733				
Cota Camada 6 (m)					10,693	10,773	10,693				
Cota Camada 7 (m)					10,573	10,653	10,573				
Cota (m)	10,890	11,002	10,711	10,415	10,423	10,503	10,423	10,415	10,711	10,741	10,840
E	710,030.3706	710,030.2034	710,028.6743	710,028.6743	710,028.2764	710,024.2792	710,020.2821	710,019.8844	710,019.8844	710,018.3714	710,018.1299
N	7,089,204.9373	7,089,204.9310	7,089,204.8734	7,089,204.8734	7,089,204.8584	7,089,204.7078	7,089,204.5572	7,089,204.5422	7,089,204.5422	7,089,204.4852	7,089,204.4762
Station: 1+10											
Dist.eixo (m)	-6,055	-5,952	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,922	6,150
Cota Camada 1 (m)					10,836	10,916	10,836				
Cota Camada 3 (m)					10,756	10,836	10,756				
Cota Camada 6 (m)					10,716	10,796	10,716				
Cota Camada 7 (m)					10,596	10,676	10,596				
Cota (m)	10,956	11,025	10,734	10,438	10,446	10,526	10,446	10,438	10,734	10,764	10,872
E	710,030.7068	710,030.6035	710,029.0507	710,029.0507	710,028.6528	710,024.6557	710,020.6585	710,020.2608	710,020.2608	710,018.7378	710,018.5096
N	7,089,194.9429	7,089,194.9390	7,089,194.8805	7,089,194.8805	7,089,194.8655	7,089,194.7149	7,089,194.5643	7,089,194.5493	7,089,194.5493	7,089,194.4920	7,089,194.4834
Station: 2+0											
Dist.eixo (m)	-5,997	-5,976	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,932	6,120
Cota Camada 1 (m)					10,859	10,939	10,859				
Cota Camada 3 (m)					10,779	10,859	10,779				
Cota Camada 6 (m)					10,739	10,819	10,739				
Cota Camada 7 (m)					10,619	10,699	10,619				
Cota (m)	11,034	11,048	10,756	10,461	10,469	10,549	10,469	10,461	10,756	10,787	10,922
E	710,031.0248	710,031.0037	710,029.4272	710,029.4272	710,029.0293	710,025.0321	710,021.0350	710,020.6373	710,020.6373	710,019.1043	710,018.9170
N	7,089,184.9477	7,089,184.9470	7,089,184.8876	7,089,184.8876	7,089,184.8726	7,089,184.7220	7,089,184.5714	7,089,184.5564	7,089,184.5564	7,089,184.4987	7,089,184.4916
Station: 2+10											
Dist.eixo (m)	-6,001	-5,935	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,895	6,137
Cota Camada 1 (m)					10,881	10,961	10,881				
Cota Camada 3 (m)					10,801	10,881	10,801				
Cota Camada 6 (m)					10,761	10,841	10,761				
Cota Camada 7 (m)					10,641	10,721	10,641				
Cota (m)	11,025	11,069	10,779	10,483	10,491	10,571	10,491	10,483	10,779	10,809	10,907
E	710,031.4056	710,031.3393	710,029.8036	710,029.8036	710,029.4058	710,025.4086	710,021.4114	710,021.0138	710,021.0138	710,019.5181	710,019.2759
N	7,089,174.9550	7,089,174.9525	7,089,174.8947	7,089,174.8947	7,089,174.8797	7,089,174.7291	7,089,174.5785	7,089,174.5635	7,089,174.5635	7,089,174.5072	7,089,174.4980
Station: 3+0											
Dist.eixo (m)	-5,978	-5,919	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,867	6,140
Cota Camada 1 (m)					10,879	10,959	10,879				
Cota Camada 3 (m)					10,799	10,879	10,799				
Cota Camada 6 (m)					10,759	10,839	10,759				
Cota Camada 7 (m)					10,639	10,719	10,639				
Cota (m)	11,027	11,067	10,776	10,481	10,489	10,569	10,489	10,481	10,777	10,806	10,883
E	710,031.7593	710,031.7001	710,030.1801	710,030.1801	710,029.7822	710,025.7851	710,021.7879	710,021.3902	710,021.3902	710,019.9226	710,019.6492
N	7,089,164.9612	7,089,164.9590	7,089,164.9017	7,089,164.9017	7,089,164.8868	7,089,164.7362	7,089,164.5856	7,089,164.5706	7,089,164.5706	7,089,164.5153	7,089,164.5050
Station: 3+10											
Dist.eixo (m)	-5,977	-5,932	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,870	6,063
Cota Camada 1 (m)					10,837	10,917	10,837				
Cota Camada 3 (m)					10,757	10,837	10,757				
Cota Camada 6 (m)					10,717	10,797	10,717				
Cota Camada 7 (m)					10,597	10,677	10,597				
Cota (m)	11,071	11,026	10,735	10,439	10,447	10,527	10,447	10,439	10,736	10,765	10,896
E	710,032.1345	710,032.0891	710,030.5566	710,030.5566	710,030.1597	710,026.1615	710,022.1643	710,021.7667	710,021.7667	710,020.2952	710,020.1028
N	7,089,154.9683	7,089,154.9666	7,089,154.9088	7,089,154.9088	7,089,154.8938	7,089,154.7433	7,089,154.5927	7,089,154.5777	7,089,154.5777	7,089,154.5223	7,089,154.5150
Station: 4+0											
Dist.eixo (m)	-6,019	-5,900	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,900	5,995
Cota Camada 1 (m)					10,757	10,837	10,757				
Cota Camada 3 (m)					10,677	10,757	10,677				
Cota Camada 6 (m)					10,637	10,717	10,637				
Cota Camada 7 (m)					10,517	10,597	10,517				
Cota (m)	11,064	10,945	10,655	10,359	10,367	10,447	10,367	10,359	10,655	10,685	10,882
E	710,032.5522	710,032.4340	710,030.9330	710,030.9330	710,030.5351	710,026.5380	710,022.5408	710,022.1431	710,022.1431	710,020.6422	710,020.5473
N	7,089,144.9769	7,089,144.9725	7,089,144.9159	7,089,144.9159	7,089,144.9009	7,089,144.7503	7,089,144.5998	7,089,144.5848	7,089,144.5848	7,089,144.5282	7,089,144.5247

PREFEITURA MUNICIPAL DE JOINVILLE
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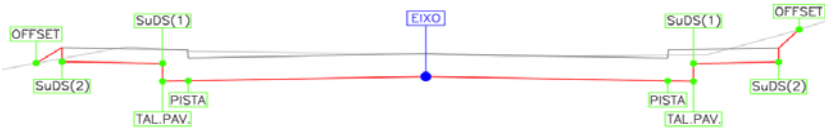
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 4+10											
Dist.eixo (m)	-5,910	-5,900	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,900	6,028
Cota Camada 1 (m)					10,663	10,743	10,663				
Cota Camada 3 (m)					10,583	10,663	10,583				
Cota Camada 6 (m)					10,543	10,623	10,543				
Cota Camada 7 (m)					10,423	10,503	10,423				
Cota (m)	10,844	10,851	10,561	10,265	10,273	10,353	10,273	10,265	10,561	10,591	10,765
E	710,032.8207	710,032.8104	710,031.3095	710,031.3095	710,030.9116	710,026.9144	710,022.9173	710,022.5196	710,022.5196	710,021.0186	710,020.8903
N	7,089,134.9799	7,089,134.9796	7,089,134.9230	7,089,134.9230	7,089,134.9080	7,089,134.7574	7,089,134.6068	7,089,134.5919	7,089,134.5919	7,089,134.5353	7,089,134.5305
Station: 4+11											
Dist.eixo (m)		-5,900	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,900	
Cota Camada 1 (m)					10,651	10,731	10,651				
Cota Camada 3 (m)					10,571	10,651	10,571				
Cota Camada 6 (m)					10,531	10,611	10,531				
Cota Camada 7 (m)					10,411	10,491	10,411				
Cota (m)		10,579	10,549	10,253	10,261	10,341	10,261	10,253	10,549	10,579	
E		710,032.8576	710,031.3569	710,031.3569	710,030.9590	710,026.9618	710,022.9647	710,022.5670	710,022.5670	710,021.0660	
N		7,089,133.7217	7,089,133.6652	7,089,133.6652	7,089,133.6502	7,089,133.4996	7,089,133.3490	7,089,133.3340	7,089,133.3340	7,089,133.2775	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA HERMÍNIO DAGNONI

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):		-10,095	-8,005	-8,005	-7,607	0,000	10,452	10,850	10,850	11,077	
Cota Camada 1 (m)					12,119	12,084	12,156				
Cota Camada 3 (m)					12,039	12,004	12,076				
Cota Camada 6 (m)					11,999	11,964	12,036				
Cota Camada 7 (m)					11,879	11,844	11,916				
Cota (m):		12,058	12,016	11,721	11,729	11,694	11,766	11,758	12,053	12,058	
E:		709.162.9026	709.162.9597	709.162.9597	709.162.9706	709.163.1789	709.163.4649	709.163.4758	709.163.4758	709.163.4820	
N:		7.089.637.3907	7.089.635.3018	7.089.635.3018	7.089.634.9038	7.089.627.2994	7.089.616.8509	7.089.616.4531	7.089.616.4531	7.089.616.2265	
Station: 0+10											
Dist. Eixo (m):	-6,054	-5,979	-4,425	-4,425	-4,027	0,000	3,973	4,371	4,371	5,846	
Cota Camada 1 (m)					11,973	12,054	11,974				
Cota Camada 3 (m)					11,893	11,974	11,894				
Cota Camada 6 (m)					11,853	11,934	11,854				
Cota Camada 7 (m)					11,733	11,814	11,734				
Cota (m):	12,112	11,902	11,871	11,575	11,583	11,664	11,584	11,576	11,873	11,902	
E:	709.173.0094	709.173.0115	709.173.0540	709.173.0540	709.173.0649	709.173.1751	709.173.2839	709.173.2948	709.173.2948	709.173.3351	
N:	7.089.633.6253	7.089.633.5502	7.089.631.9963	7.089.631.9963	7.089.631.5982	7.089.627.5731	7.089.623.6012	7.089.623.2034	7.089.623.2034	7.089.621.7298	
Station: 1+0											
Dist. Eixo (m):		-5,873	-4,423	-4,423	-4,025	0,000	3,975	4,373	4,373	5,956	6,392
Cota Camada 1 (m)					11,943	12,024	11,944				
Cota Camada 3 (m)					11,863	11,944	11,864				
Cota Camada 6 (m)					11,823	11,904	11,824				
Cota Camada 7 (m)					11,703	11,784	11,704				
Cota (m):	11,870	11,841	11,545	11,553	11,523	11,634	11,554	11,546	11,842	11,874	11,844
E:	709.183.0106	709.183.0503	709.183.0503	709.183.0612	709.183.0612	709.183.1714	709.183.2802	709.183.2910	709.183.2910	709.183.3344	709.183.3463
N:	7.089.633.7178	7.089.632.2685	7.089.632.2685	7.089.631.8705	7.089.631.8705	7.089.627.8468	7.089.623.8735	7.089.623.4757	7.089.623.4757	7.089.621.8927	7.089.621.4575
Station: 1+10											
Dist. Eixo (m):		-5,855	-4,422	-4,422	-4,024	0,000	3,976	4,374	4,374	6,067	6,470
Cota Camada 1 (m)					11,913	11,994	11,914				
Cota Camada 3 (m)					11,833	11,914	11,834				
Cota Camada 6 (m)					11,793	11,874	11,794				
Cota Camada 7 (m)					11,673	11,754	11,674				
Cota (m):	11,843	11,811	11,515	11,523	11,523	11,604	11,524	11,516	11,812	11,846	11,838
E:	709.193.0074	709.193.0466	709.193.0466	709.193.0575	709.193.0575	709.193.1676	709.193.2764	709.193.2873	709.193.2873	709.193.3337	709.193.3447
N:	7.089.633.9730	7.089.632.5407	7.089.632.5407	7.089.632.1427	7.089.632.1427	7.089.628.1205	7.089.624.1457	7.089.623.7479	7.089.623.7479	7.089.622.0556	7.089.621.6533
Station: 2+0											
Dist. Eixo (m):		-5,785	-4,420	-4,420	-4,022	0,000	3,978	4,376	4,376	6,123	
Cota Camada 1 (m)					11,884	11,964	11,884				
Cota Camada 3 (m)					11,804	11,884	11,804				
Cota Camada 6 (m)					11,764	11,844	11,764				
Cota Camada 7 (m)					11,644	11,724	11,644				
Cota (m):	11,809	11,781	11,486	11,494	11,494	11,574	11,494	11,486	11,782	11,817	
E:	709.203.0055	709.203.0429	709.203.0429	709.203.0538	709.203.0538	709.203.1639	709.203.2727	709.203.2836	709.203.2836	709.203.3315	
N:	7.089.634.1772	7.089.632.8130	7.089.632.8130	7.089.632.4150	7.089.632.4150	7.089.628.3942	7.089.624.4180	7.089.624.0202	7.089.624.0202	7.089.622.2732	
Station: 2+10											
Dist. Eixo (m):		-5,785	-4,419	-4,419	-4,021	0,000	3,979	4,377	4,377	6,011	6,234
Cota Camada 1 (m)					11,854	11,934	11,854				
Cota Camada 3 (m)					11,774	11,854	11,774				
Cota Camada 6 (m)					11,734	11,814	11,734				
Cota Camada 7 (m)					11,614	11,694	11,614				
Cota (m):	11,779	11,751	11,456	11,464	11,464	11,544	11,464	11,457	11,752	11,785	11,897
E:	709.213.0018	709.213.0392	709.213.0392	709.213.0501	709.213.0501	709.213.1601	709.213.2690	709.213.2799	709.213.2799	709.213.3247	709.213.3307
N:	7.089.634.4504	7.089.633.0852	7.089.633.0852	7.089.632.6872	7.089.632.6872	7.089.628.6679	7.089.624.6902	7.089.624.2924	7.089.624.2924	7.089.622.6589	7.089.622.4364
Station: 3+0											
Dist. Eixo (m):		-5,851	-4,418	-4,418	-4,019	0,000	3,981	4,379	4,379	5,899	6,031
Cota Camada 1 (m)					11,824	11,904	11,825				
Cota Camada 3 (m)					11,744	11,824	11,745				
Cota Camada 6 (m)					11,704	11,784	11,705				
Cota Camada 7 (m)					11,584	11,664	11,585				
Cota (m):	11,750	11,721	11,426	11,434	11,434	11,514	11,435	11,427	11,723	11,753	11,925
E:	709.222.9962	709.223.0355	709.223.0355	709.223.0464	709.223.0464	709.223.1564	709.223.2653	709.223.2762	709.223.2762	709.223.3178	709.223.3214
N:	7.089.634.7902	7.089.633.3575	7.089.633.3575	7.089.632.9595	7.089.632.9595	7.089.628.9416	7.089.624.9625	7.089.624.5647	7.089.624.5647	7.089.623.0447	7.089.622.9132
Station: 3+10											
Dist. Eixo (m):		-5,909	-4,416	-4,416	-4,018	0,000	3,982	4,380	4,380	5,854	
Cota Camada 1 (m)					11,805	11,885	11,806				
Cota Camada 3 (m)					11,725	11,805	11,726				
Cota Camada 6 (m)					11,685	11,765	11,686				
Cota Camada 7 (m)					11,565	11,645	11,566				
Cota (m):	11,733	11,703	11,407	11,415	11,415	11,495	11,416	11,408	11,704	11,733	
E:	709.232.9909	709.233.0318	709.233.0318	709.233.0427	709.233.0427	709.233.1526	709.233.2616	709.233.2725	709.233.2725	709.233.3129	
N:	7.089.635.1216	7.089.633.6297	7.089.633.6297	7.089.633.2317	7.089.633.2317	7.089.629.2153	7.089.625.2347	7.089.624.8369	7.089.624.8369	7.089.623.3636	
Station: 4+0											
Dist. Eixo (m):		-5,917	-4,415	-4,415	-4,016	0,000	3,984	4,382	4,382	5,910	5,949
Cota Camada 1 (m)					11,809	11,889	11,810				
Cota Camada 3 (m)					11,729	11,809	11,730				
Cota Camada 6 (m)					11,689	11,769	11,690				
Cota Camada 7 (m)					11,569	11,649	11,570				
Cota (m):	11,737	11,707	11,411	11,419	11,419	11,499	11,420	11,412	11,707	11,738	11,972
E:	709.242.9869	709.243.0281	709.243.0281	709.243.0390	709.243.0390	709.243.1489	709.243.2579	709.243.2688	709.243.2688	709.243.3107	709.243.3117
N:	7.089.635.4036	7.089.633.9020	7.089.633.9020	7.089.633.5040	7.089.633.5040	7.089.629.4890	7.089.625.5070	7.089.625.1091	7.089.625.1091	7.089.623.5807	7.089.623.5421

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RUA HERMÍNIO DAGNONI

Station: 4+10										
Dist. Eixo (m):		-5,925	-4,413	-4,413	-4,015	0,000	3,985	4,383	4,383	5,963
Cota Camada 1 (m)					11,824	11,904	11,824			
Cota Camada 3 (m)					11,744	11,824	11,744			
Cota Camada 6 (m)					11,704	11,784	11,704			
Cota Camada 7 (m)					11,584	11,664	11,584			
Cota (m):		11,752	11,722	11,426	11,434	11,514	11,434	11,427	11,722	11,754
E:		709.252,9830	709.253,0244	709.253,0244	709.253,0352	709.253,1451	709.253,2542	709.253,2651	709.253,2651	709.253,3083
N:		7.089.635,6854	7.089.634,1742	7.089.634,1742	7.089.633,7762	7.089.629,7627	7.089.625,7792	7.089.625,3814	7.089.625,3814	7.089.623,8023

Station: 5+0										
Dist. Eixo (m):		-5,933	-4,412	-4,412	-4,014	0,000	3,986	4,384	4,384	5,972
Cota Camada 1 (m)					11,839	11,919	11,839			
Cota Camada 3 (m)					11,759	11,839	11,759			
Cota Camada 6 (m)					11,719	11,799	11,719			
Cota Camada 7 (m)					11,599	11,679	11,599			
Cota (m):		11,767	11,737	11,441	11,449	11,529	11,449	11,441	11,737	11,769
E:		709.262,9790	709.263,0206	709.263,0206	709.263,0315	709.263,1414	709.263,2505	709.263,2614	709.263,2614	709.263,3048
N:		7.089.635,9676	7.089.634,4465	7.089.634,4465	7.089.634,0484	7.089.630,0364	7.089.626,0514	7.089.625,6536	7.089.625,6536	7.089.624,0671

Station: 5+10										
Dist. Eixo (m):		-5,942	-4,410	-4,410	-4,012	0,000	3,988	4,386	4,386	5,981
Cota Camada 1 (m)					11,854	11,934	11,854			
Cota Camada 3 (m)					11,774	11,854	11,774			
Cota Camada 6 (m)					11,734	11,814	11,734			
Cota Camada 7 (m)					11,614	11,694	11,614			
Cota (m):		11,783	11,752	11,456	11,464	11,544	11,464	11,456	11,752	11,784
E:		709.272,9750	709.273,0169	709.273,0169	709.273,0278	709.273,1376	709.273,2468	709.273,2577	709.273,2577	709.273,3013
N:		7.089.636,2496	7.089.634,7187	7.089.634,7187	7.089.634,3207	7.089.630,3101	7.089.626,3237	7.089.625,9259	7.089.625,9259	7.089.624,3318

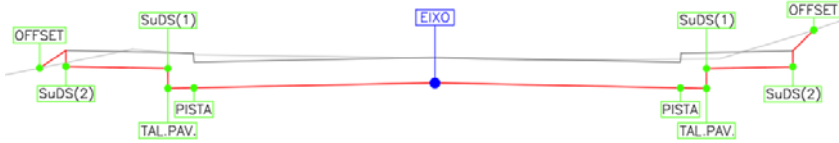
Station: 6+0										
Dist. Eixo (m):		-5,950	-4,409	-4,409	-4,011	0,000	3,989	4,387	4,387	5,989
Cota Camada 1 (m)					11,869	11,949	11,869			
Cota Camada 3 (m)					11,789	11,869	11,789			
Cota Camada 6 (m)					11,749	11,829	11,749			
Cota Camada 7 (m)					11,629	11,709	11,629			
Cota (m):		11,798	11,767	11,471	11,479	11,559	11,479	11,471	11,767	11,799
E:		709.282,9711	709.283,0132	709.283,0132	709.283,0241	709.283,1339	709.283,2431	709.283,2540	709.283,2540	709.283,2978
N:		7.089.636,5315	7.089.634,9909	7.089.634,9909	7.089.634,5929	7.089.630,5838	7.089.626,5959	7.089.626,1981	7.089.626,1981	7.089.624,5966

Station: 6+10										
Dist. Eixo (m):		-5,947	-4,407	-4,407	-4,009	0,000	3,991	4,389	4,389	5,938
Cota Camada 1 (m)					11,884	11,964	11,884			
Cota Camada 3 (m)					11,804	11,884	11,804			
Cota Camada 6 (m)					11,764	11,844	11,764			
Cota Camada 7 (m)					11,644	11,724	11,644			
Cota (m):		11,813	11,782	11,486	11,494	11,574	11,494	11,486	11,782	11,813
E:		709.292,9674	709.293,0095	709.293,0095	709.293,0204	709.293,1302	709.293,2394	709.293,2503	709.293,2503	709.293,2927
N:		7.089.636,8026	7.089.635,2632	7.089.635,2632	7.089.634,8652	7.089.630,8575	7.089.626,8682	7.089.626,4704	7.089.626,4704	7.089.624,9218

Station: 7+0										
Dist. Eixo (m):		-5,942	-4,406	-4,406	-4,008	0,000	3,992	4,390	4,390	5,868
Cota Camada 1 (m)					11,899	11,979	11,899			
Cota Camada 3 (m)					11,819	11,899	11,819			
Cota Camada 6 (m)					11,779	11,859	11,779			
Cota Camada 7 (m)					11,659	11,739	11,659			
Cota (m):		11,828	11,797	11,501	11,509	11,589	11,509	11,501	11,797	11,827
E:		709.302,9637	709.303,0057	709.303,0057	709.303,0166	709.303,1263	709.303,2356	709.303,2465	709.303,2465	709.303,2869
N:		7.089.637,0709	7.089.635,5354	7.089.635,5354	7.089.635,1374	7.089.631,1312	7.089.627,1404	7.089.626,7426	7.089.626,7426	7.089.625,2652

Station: 7+10										
Dist. Eixo (m):		-5,937	-4,404	-4,404	-4,006	0,000	3,994	4,392	4,392	5,819
Cota Camada 1 (m)					11,907	11,987	11,907			
Cota Camada 3 (m)					11,827	11,907	11,827			
Cota Camada 6 (m)					11,787	11,867	11,787			
Cota Camada 7 (m)					11,667	11,747	11,667			
Cota (m):		11,835	11,804	11,509	11,517	11,597	11,517	11,509	11,804	11,833
E:		709.312,9602	709.313,0021	709.313,0021	709.313,0130	709.313,1227	709.313,2320	709.313,2429	709.313,2429	709.313,2819
N:		7.089.637,3394	7.089.635,8077	7.089.635,8077	7.089.635,4097	7.089.631,4049	7.089.627,4127	7.089.627,0149	7.089.627,0149	7.089.625,5878

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 8+0											
Dist. Eixo (m):		-5,924	-4,403	-4,403	-4,005	0,000	3,995	4,393	4,393	5,795	
Cota Camada 1 (m)					11,899	11,980	11,900				
Cota Camada 3 (m)					11,819	11,900	11,820				
Cota Camada 6 (m)					11,779	11,860	11,780				
Cota Camada 7 (m)					11,659	11,740	11,660				
Cota (m):		11,828	11,797	11,501	11,509	11,590	11,510	11,502	11,797	11,825	
E:		709.322,9567	709.322,9983	709.322,9983	709.323,0092	709.323,1188	709.323,2282	709.323,2391	709.323,2391	709.323,2774	
N:		7.089.637,6001	7.089.636,0799	7.089.636,0799	7.089.635,6819	7.089.631,6786	7.089.627,6849	7.089.627,2871	7.089.627,2871	7.089.625,8854	

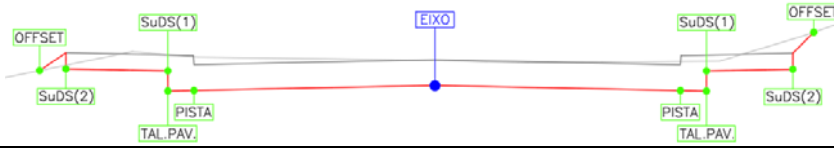
Station: 8+10											
Dist. Eixo (m):		-5,864	-4,401	-4,401	-4,003	0,000	3,997	4,395	4,395	5,772	
Cota Camada 1 (m)					11,885	11,965	11,885				
Cota Camada 3 (m)					11,805	11,885	11,805				
Cota Camada 6 (m)					11,765	11,845	11,765				
Cota Camada 7 (m)					11,645	11,725	11,645				
Cota (m):		11,812	11,783	11,487	11,495	11,575	11,495	11,487	11,782	11,810	
E:		709.332,9547	709.332,9947	709.332,9947	709.333,0056	709.333,1152	709.333,2246	709.333,2354	709.333,2354	709.333,2731	
N:		7.089.637,8146	7.089.636,3522	7.089.636,3522	7.089.635,9542	7.089.631,9523	7.089.627,9572	7.089.627,5593	7.089.627,5593	7.089.626,1829	

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Station: 9+0										
Dist. Eixo (m):	-5,805	-4,400	-4,400	-4,002	0,000	3,998	4,396	4,396	5,802	
Cota Camada 1 (m)				11,870	11,950	11,870				
Cota Camada 3 (m)				11,790	11,870	11,790				
Cota Camada 6 (m)				11,750	11,830	11,750				
Cota Camada 7 (m)				11,630	11,710	11,630				
Cota (m):	11,796	11,768	11,472	11,480	11,560	11,480	11,472	11,768	11,796	
E:	709.342,9525	709.342,9910	709.342,9910	709.343,0019	709.343,1114	709.343,2209	709.343,2317	709.343,2317	709.343,2702	
N:	7.089.636,0292	7.089.636,6244	7.089.636,6244	7.089.636,2264	7.089.632,2260	7.089.628,2294	7.089.627,8316	7.089.627,8316	7.089.626,4263	
Station: 9+10										
Dist. Eixo (m):	-8,004	-5,087	-5,087	-4,689	0,000	4,549	4,947	4,947	7,160	
Cota Camada 1 (m)				11,899	11,936	11,908				
Cota Camada 3 (m)				11,819	11,856	11,828				
Cota Camada 6 (m)				11,779	11,816	11,788				
Cota Camada 7 (m)				11,659	11,696	11,668				
Cota (m):	11,855	11,797	11,501	11,509	11,546	11,518	11,510	11,806	11,850	
E:	709.352,8886	709.352,9684	709.352,9684	709.352,9793	709.353,1077	709.353,2322	709.353,2431	709.353,2431	709.353,3036	
N:	7.089.640,5012	7.089.637,5853	7.089.637,5853	7.089.637,1872	7.089.632,4997	7.089.627,9521	7.089.627,5543	7.089.627,5543	7.089.625,3425	
Station: 9+12										
Dist. Eixo (m):	-10,000	-8,528	-8,528	-8,130	0,000	7,425	7,823	7,823	10,000	
Cota Camada 1 (m)				11,962	11,931	11,988				
Cota Camada 3 (m)				11,882	11,851	11,908				
Cota Camada 6 (m)				11,842	11,811	11,868				
Cota Camada 7 (m)				11,722	11,691	11,748				
Cota (m):	11,889	11,860	11,564	11,572	11,541	11,598	11,590	11,885	11,929	
E:	709.355,7432	709.355,7834	709.355,7834	709.355,7943	709.356,0169	709.356,2201	709.356,2310	709.356,2310	709.356,2906	
N:	7.089.642,5756	7.089.641,1044	7.089.641,1044	7.089.640,7063	7.089.632,5794	7.089.625,1567	7.089.624,7589	7.089.624,7589	7.089.622,5831	
Station: 9+13										
Dist. Eixo (m):	-12,519	-10,211	-10,211	-9,813	0,000	8,284	8,682	8,682	10,997	
Cota Camada 1 (m)				11,985	11,931	12,005				
Cota Camada 3 (m)				11,905	11,851	11,925				
Cota Camada 6 (m)				11,865	11,811	11,885				
Cota Camada 7 (m)				11,745	11,691	11,765				
Cota (m):	11,929	11,883	11,587	11,595	11,541	11,615	11,607	11,903	11,949	
E:	709.355,9653	709.356,0327	709.356,0327	709.356,0443	709.356,3310	709.356,5730	709.356,5846	709.356,5846	709.356,6523	
N:	7.089.645,1018	7.089.642,7952	7.089.642,7952	7.089.642,3972	7.089.632,5886	7.089.624,3080	7.089.623,9102	7.089.623,9102	7.089.621,5960	
Station: 10+10										
Dist. Eixo (m):	-5,988	-4,050			0,000		3,785	5,777		
Cota (m):	11,860	11,821					11,827	11,866		
E:	709.372,9244	709.372,9810					709.373,2099	709.373,2681		
N:	7.089.639,0641	7.089.637,1268					7.089.629,2956	7.089.627,3041		
Station: 11+0										
Dist. Eixo (m):	-5,980	-4,055			0,000		3,814	5,688		
Cota (m):	11,826	11,788					11,792	11,830		
E:	709.382,9203	709.382,9766					709.383,2064	709.383,2612		
N:	7.089.639,3480	7.089.637,4243					7.089.629,5586	7.089.627,6852		
Station: 11+10										
Dist. Eixo (m):	-5,904	-4,061			0,000		3,843	5,685		
Cota (m):	11,784	11,747					11,751	11,788		
E:	709.392,9183	709.392,9721					709.393,2030	709.393,2568		
N:	7.089.639,5648	7.089.637,7218					7.089.629,8217	7.089.627,9800		
Station: 12+0										
Dist. Eixo (m):	-5,910	-4,066			0,000		3,872	5,681		
Cota (m):	11,795	11,758					11,762	11,798		
E:	709.402,9139	709.402,9677					709.403,1996	709.403,2525		
N:	7.089.639,8622	7.089.638,0193					7.089.630,0848	7.089.628,2761		
Station: 12+10										
Dist. Eixo (m):	-5,858	-4,072			0,000		3,901	5,689		
Cota (m):	11,777	11,741					11,744	11,780		
E:	709.412,9111	709.412,9633					709.413,1962	709.413,2484		
N:	7.089.640,1029	7.089.638,3169					7.089.630,3479	7.089.628,5607		
Station: 13+0										
Dist. Eixo (m):	-5,817	-4,077			0,000		3,930	5,716		
Cota (m):	11,688	11,653					11,656	11,692		
E:	709.422,9080	709.422,9589					709.423,1928	709.423,2449		
N:	7.089.640,3534	7.089.638,6144					7.089.630,6110	7.089.628,8252		
Station: 13+10										
Dist. Eixo (m):	-5,832	-4,082			0,000		3,957	5,768		
Cota (m):	11,605	11,570					11,572	11,609		
E:	709.432,9033	709.432,9544					709.433,1893	709.433,2422		
N:	7.089.640,6605	7.089.638,9119					7.089.630,8762	7.089.629,0659		
Station: 14+0										
Dist. Eixo (m):	-5,868	-4,088			0,000		3,983	5,846		
Cota (m):	11,580	11,544					11,547	11,584		
E:	709.442,8980	709.442,9500					709.443,1858	709.443,2402		
N:	7.089.640,9888	7.089.639,2094					7.089.631,1419	7.089.629,2804		
Station: 14+10										
Dist. Eixo (m):	-5,924	-4,079			0,000		4,010	5,917		
Cota (m):	11,548	11,511					11,513	11,551		
E:	709.452,8921	709.452,9460					709.453,1823	709.453,2380		
N:	7.089.641,3372	7.089.639,4924					7.089.631,4075	7.089.629,5011		
Station: 15+0										
Dist. Eixo (m):	-5,996	-4,053			0,000		4,036	5,960		
Cota (m):	11,508	11,469					11,470	11,508		
E:	709.462,8857	709.462,9425					709.463,1788	709.463,2350		
N:	7.089.641,7011	7.089.639,7588					7.089.631,6732	7.089.629,7507		

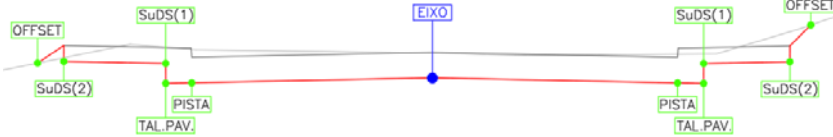
PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA HERMÍNIO DAGNONI

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 15+10											
Dist. Eixo (m):		-6,088	-4,055			0,000			4,035	6,098	
Cota (m):		11,465	11,425						11,425	11,466	
E:		709.472,8788	709.472,9382			709.473,0566			709.473,1745	709.473,2347	
N:		7.089.642,0849	7.089.640,0530			7.089.635,9998			7.089.631,9664	7.089.629,9046	

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 16+8									
Dist. Eixo (m):			-7,412	-4,189	-4,179	0,000	4,198	4,208	7,249
Cota Camada 1 (m)					11,462	11,550	11,548		
Cota Camada 3 (m)					11,382	11,470	11,468		
Cota Camada 6 (m)					11,342	11,430	11,428		
Cota Camada 7 (m)					11,222	11,310	11,308		
Cota (m):		10,816	10,752	11,072	11,160	11,158	10,838	10,899	
E:		709.491,0399	709.491,1312	709.491,1315	709.491,2499	709.491,3688	709.491,3690	709.491,4552	
N:		7.089.643,9399	7.089.640,7185	7.089.640,7085	7.089.636,5312	7.089.632,3351	7.089.632,3251	7.089.629,2849	

Station: 16+10

Dist. Eixo (m):			-6,496	-4,155	-4,145	0,000	4,014	4,024	6,233
Cota Camada 1 (m)					11,452	11,537	11,499		
Cota Camada 3 (m)					11,372	11,457	11,419		
Cota Camada 6 (m)					11,332	11,417	11,379		
Cota Camada 7 (m)					11,212	11,297	11,259		
Cota (m):		10,789	10,742	11,062	11,147	11,109	10,789	10,834	
E:		709.492,8642	709.492,9304	709.492,9307	709.493,0481	709.493,1618	709.493,1621	709.493,2247	
N:		7.089.643,0752	7.089.640,7356	7.089.640,7256	7.089.636,5821	7.089.632,5695	7.089.632,5595	7.089.630,3511	

Station: 17+0

Dist. Eixo (m):			-5,942	-4,075	-4,065	0,000	3,935	3,945	5,817
Cota Camada 1 (m)					11,385	11,466	11,388		
Cota Camada 3 (m)					11,305	11,386	11,308		
Cota Camada 6 (m)					11,265	11,346	11,268		
Cota Camada 7 (m)					11,145	11,226	11,148		
Cota (m):		10,712	10,675	10,995	11,076	11,098	10,678	10,715	
E:		709.502,8758	709.502,9287	709.502,9290	709.503,0441	709.503,1556	709.503,1559	709.503,2089	
N:		7.089.642,8054	7.089.640,9390	7.089.640,9290	7.089.636,8654	7.089.632,9322	7.089.632,9222	7.089.631,0505	

Station: 17+10

Dist. Eixo (m):			-5,930	-4,075	-4,065	0,000	3,935	3,945	5,822
Cota Camada 1 (m)					11,314	11,396	11,317		
Cota Camada 3 (m)					11,234	11,316	11,237		
Cota Camada 6 (m)					11,194	11,276	11,197		
Cota Camada 7 (m)					11,074	11,156	11,077		
Cota (m):		10,641	10,604	10,924	11,006	10,927	10,607	10,644	
E:		709.512,8721	709.512,9247	709.512,9250	709.513,0401	709.513,1516	709.513,1518	709.513,2050	
N:		7.089.643,0765	7.089.641,2222	7.089.641,2122	7.089.637,1486	7.089.633,2154	7.089.633,2054	7.089.631,3292	

Station: 18+0

Dist. Eixo (m):			-6,083	-4,075	-4,065	0,000	3,935	3,945	5,856
Cota Camada 1 (m)					11,243	11,325	11,246		
Cota Camada 3 (m)					11,163	11,245	11,166		
Cota Camada 6 (m)					11,123	11,205	11,126		
Cota Camada 7 (m)					11,003	11,085	11,006		
Cota (m):		10,573	10,533	10,853	10,935	10,856	10,536	10,574	
E:		709.522,8638	709.522,9207	709.522,9210	709.523,0361	709.523,1476	709.523,1478	709.523,2020	
N:		7.089.643,5127	7.089.641,5054	7.089.641,4954	7.089.637,4319	7.089.633,4986	7.089.633,4886	7.089.631,5786	

Station: 18+10

Dist. Eixo (m):			-6,005	-4,075	-4,065	0,000	3,935	3,945	5,891
Cota Camada 1 (m)					11,172	11,254	11,175		
Cota Camada 3 (m)					11,092	11,174	11,095		
Cota Camada 6 (m)					11,052	11,134	11,055		
Cota Camada 7 (m)					10,932	11,014	10,935		
Cota (m):		10,501	10,462	10,782	10,864	10,785	10,465	10,504	
E:		709.532,8620	709.532,9167	709.532,9169	709.533,0321	709.533,1435	709.533,1438	709.533,1990	
N:		7.089.643,7176	7.089.641,7886	7.089.641,7786	7.089.637,7151	7.089.633,7818	7.089.633,7718	7.089.631,8261	

Station: 19+0

Dist. Eixo (m):			-5,991	-4,075	-4,065	0,000	3,935	3,945	5,920
Cota Camada 1 (m)					11,110	11,192	11,113		
Cota Camada 3 (m)					11,030	11,112	11,033		
Cota Camada 6 (m)					10,990	11,072	10,993		
Cota Camada 7 (m)					10,870	10,952	10,873		
Cota (m):		10,439	10,400	10,720	10,802	10,723	10,403	10,442	
E:		709.542,8584	709.542,9127	709.542,9129	709.543,0281	709.543,1395	709.543,1398	709.543,1958	
N:		7.089.643,9872	7.089.642,0718	7.089.642,0618	7.089.637,9983	7.089.634,0650	7.089.634,0550	7.089.632,0808	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
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Station: 19+10									
Dist. Eixo (m):		-5,978	-4,075	-4,065	0,000	3,935	3,945	5,851	
Cota Camada 1 (m)				11,072	11,153	11,074			
Cota Camada 3 (m)				10,992	11,073	10,994			
Cota Camada 6 (m)				10,952	11,033	10,954			
Cota Camada 7 (m)				10,832	10,913	10,834			
Cota (m):		10,400	10,362	10,682	10,763	10,684	10,364	10,402	
E:		709.552,8548	709.552,9086	709.552,9089	709.553,0241	709.553,1355	709.553,1358	709.553,1898	
N:		7.089.644,2568	7.089.642,3550	7.089.642,3450	7.089.638,2816	7.089.634,3482	7.089.634,3382	7.089.632,4331	

Station: 20+0									
Dist. Eixo (m):		-5,971	-4,075	-4,065	0,000	3,935	3,945	5,782	
Cota Camada 1 (m)				11,048	11,129	11,050			
Cota Camada 3 (m)				10,968	11,049	10,970			
Cota Camada 6 (m)				10,928	11,009	10,930			
Cota Camada 7 (m)				10,808	10,889	10,810			
Cota (m):		10,376	10,338	10,658	10,739	10,660	10,340	10,377	
E:		709.562,8509	709.562,9046	709.562,9049	709.563,0201	709.563,1315	709.563,1318	709.563,1838	
N:		7.089.644,5334	7.089.642,6382	7.089.642,6282	7.089.638,5648	7.089.634,6314	7.089.634,6214	7.089.632,7855	

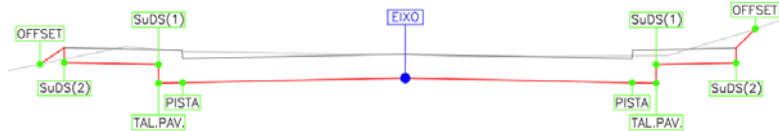
Station: 20+10									
Dist. Eixo (m):		-6,072	-4,075	-4,065	0,000	3,935	3,945	5,712	
Cota Camada 1 (m)				11,024	11,106	11,027			
Cota Camada 3 (m)				10,944	11,026	10,947			
Cota Camada 6 (m)				10,904	10,986	10,907			
Cota Camada 7 (m)				10,784	10,866	10,787			
Cota (m):		10,354	10,314	10,634	10,716	10,637	10,317	10,352	
E:		709.572,8441	709.572,9006	709.572,9009	709.573,0160	709.573,1275	709.573,1278	709.573,1778	
N:		7.089.644,9177	7.089.642,9214	7.089.642,9114	7.089.638,8481	7.089.634,9146	7.089.634,9046	7.089.633,1388	

Station: 21+0									
Dist. Eixo (m):		-6,173	-4,075	-4,065	0,000	3,935	3,945	5,639	
Cota Camada 1 (m)				11,001	11,082	11,004			
Cota Camada 3 (m)				10,921	11,002	10,924			
Cota Camada 6 (m)				10,881	10,962	10,884			
Cota Camada 7 (m)				10,761	10,842	10,764			
Cota (m):		10,333	10,291	10,611	10,692	10,614	10,294	10,327	
E:		709.582,8372	709.582,8966	709.582,8969	709.583,0120	709.583,1235	709.583,1238	709.583,1717	
N:		7.089.645,3020	7.089.643,2046	7.089.643,1946	7.089.639,1313	7.089.635,1978	7.089.635,1878	7.089.633,4947	

Station: 21+10									
Dist. Eixo (m):		-9,312	-4,075	-4,065	0,000	3,935	3,945	5,619	
Cota Camada 1 (m)				10,977	11,059	10,980			
Cota Camada 3 (m)				10,897	10,979	10,900			
Cota Camada 6 (m)				10,857	10,939	10,860			
Cota Camada 7 (m)				10,737	10,819	10,740			
Cota (m):		10,372	10,267	10,587	10,669	10,590	10,270	10,303	
E:		709.592,7443	709.592,8926	709.592,8929	709.593,0080	709.593,1195	709.593,1198	709.593,1672	
N:		7.089.648,7229	7.089.643,4878	7.089.643,4778	7.089.639,4145	7.089.635,4810	7.089.635,4710	7.089.633,7979	

Station: 22+0									
Dist. Eixo (m):		-6,065	-4,075	-4,065	0,000	3,935	3,945	5,729	
Cota Camada 1 (m)				10,954	11,035	10,957			
Cota Camada 3 (m)				10,874	10,955	10,877			
Cota Camada 6 (m)				10,834	10,915	10,837			
Cota Camada 7 (m)				10,714	10,795	10,717			
Cota (m):		10,284	10,244	10,564	10,645	10,567	10,247	10,282	
E:		709.602,8322	709.602,8886	709.602,8889	709.603,0040	709.603,1155	709.603,1157	709.603,1663	
N:		7.089.645,7602	7.089.643,7710	7.089.643,7610	7.089.639,6978	7.089.635,7642	7.089.635,7542	7.089.633,9709	

Desenho Esquemático:

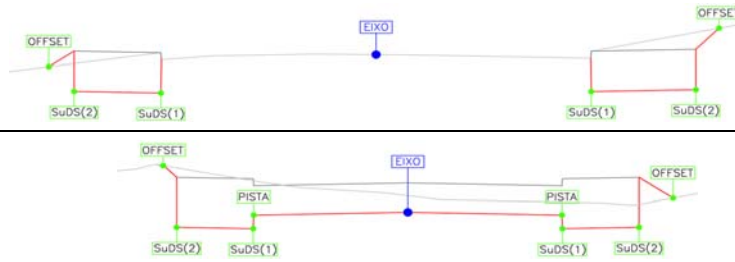


PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 22+10									
Dist. Eixo (m):		-6,065	-4,075	-4,065	0,000	3,935	3,945	5,864	
Cota Camada 1 (m)				10,930	11,012	10,933			
Cota Camada 3 (m)				10,850	10,932	10,853			
Cota Camada 6 (m)				10,810	10,892	10,813			
Cota Camada 7 (m)				10,690	10,772	10,693			
Cota (m):		10,260	10,220	10,540	10,622	10,543	10,223	10,261	
E:		709.612,8282	709.612,8846	709.612,8849	709.613,0000	709.613,1115	709.613,1117	709.613,1661	
N:		7.089.646,0434	7.089.644,0542	7.089.644,0442	7.089.639,9810	7.089.636,0474	7.089.636,0374	7.089.634,1193	

Station: 22+12									
Dist. Eixo (m):		-6,065	-4,075	-4,065	0,000	3,935	3,945	5,898	
Cota Camada 1 (m)				10,925	11,006	10,927			
Cota Camada 3 (m)				10,845	10,926	10,847			
Cota Camada 6 (m)				10,805	10,886	10,807			
Cota Camada 7 (m)				10,685	10,766	10,687			
Cota (m):		10,254	10,215	10,535	10,616	10,537	10,217	10,256	
E:		709.615,3371	709.615,3934	709.615,3937	709.615,5088	709.615,6203	709.615,6206	709.615,6759	
N:		7.089.646,1145	7.089.644,1253	7.089.644,1153	7.089.640,0521	7.089.636,1185	7.089.636,1085	7.089.634,1566	

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NOTA DE SERVIÇO
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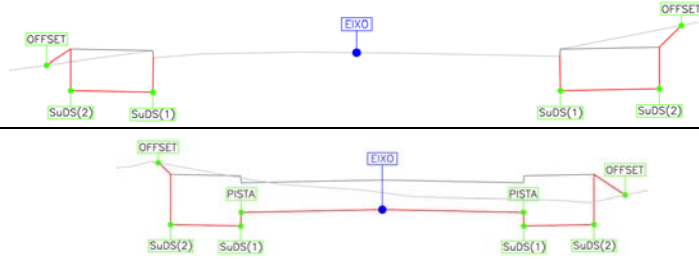
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 0+7									
Dist. Eixo (m):		-5,204	-4,014		0,000		4,012	5,860	
Cota (m):		14,041	14,017				14,017	14,054	
E:		708.406,6497	708.406,7450		708.407,0666		708.407,3884	708.407,5365	
N:		7.090.453,8065	7.090.452,6204		7.090.448,6190		7.090.444,6157	7.090.442,7726	
Station: 0+10									
Dist. Eixo (m):		-5,969	-3,991		0,000		4,010	5,834	
Cota (m):		14,066	14,027				14,026	14,063	
E:		708.409,7549	708.409,8279		708.409,9752		708.410,1232	708.410,1906	
N:		7.090.454,6912	7.090.452,7150		7.090.448,7264		7.090.444,7191	7.090.442,8962	
Station: 1+0									
Dist. Eixo (m):		-5,703	-3,929		0,000		4,008	5,858	
Cota (m):		14,093	14,058				14,088	14,093	
E:		708.419,7579	708.419,8234		708.419,9684		708.420,1164	708.420,1846	
N:		7.090.454,7942	7.090.453,0216		7.090.449,0955		7.090.445,0898	7.090.443,2416	
Station: 1+10									
Dist. Eixo (m):		-6,096	-3,884		0,000		4,055	5,888	
Cota (m):		14,136	14,091				14,088	14,125	
E:		708.429,7366	708.429,8183		708.429,9616		708.430,1113	708.430,1789	
N:		7.090.455,5562	7.090.453,3459		7.090.449,4646		7.090.445,4123	7.090.443,5805	
Station: 2+0									
Dist. Eixo (m):		-6,091	-3,897		0,000		4,102	5,889	
Cota (m):		14,171	14,127				14,123	14,159	
E:		708.439,7300	708.439,8110		708.439,9548		708.440,1062	708.440,1721	
N:		7.090.455,9204	7.090.453,7276		7.090.449,8337		7.090.445,7347	7.090.443,9489	
Station: 2+10									
Dist. Eixo (m):		-6,086	-3,909		0,000		4,148	5,889	
Cota (m):		14,203	14,159				14,154	14,189	
E:		708.449,7234	708.449,8037		708.449,9480		708.450,1011	708.450,1653	
N:		7.090.456,2845	7.090.454,1093		7.090.450,2028		7.090.446,0572	7.090.444,3174	
Station: 3+0									
Dist. Eixo (m):		-6,081	-3,922		0,000		4,174	5,890	
Cota (m):		14,221	14,178				14,173	14,207	
E:		708.459,7167	708.459,7964		708.459,9412		708.460,0952	708.460,1586	
N:		7.090.456,6487	7.090.454,4910		7.090.450,5719		7.090.446,4004	7.090.444,6859	
Station: 3+10									
Dist. Eixo (m):		-6,076	-3,934		0,000		4,170	5,891	
Cota (m):		14,225	14,183				14,178	14,212	
E:		708.469,7101	708.469,7891		708.469,9343		708.470,0883	708.470,1518	
N:		7.090.457,0128	7.090.454,8727		7.090.450,9409		7.090.446,7738	7.090.445,0543	
Station: 4+0									
Dist. Eixo (m):		-6,071	-3,947		0,000		4,166	5,890	
Cota (m):		14,187	14,144				14,140	14,175	
E:		708.479,7035	708.479,7819		708.479,9275		708.480,0813	708.480,1449	
N:		7.090.457,3770	7.090.455,2544		7.090.451,3100		7.090.447,1472	7.090.445,4241	
Station: 4+10									
Dist. Eixo (m):		-6,066	-3,960		0,000		4,161	5,888	
Cota (m):		14,146	14,104				14,100	14,134	
E:		708.489,6968	708.489,7746		708.489,9207		708.490,0743	708.490,1381	
N:		7.090.457,7412	7.090.455,6361		7.090.451,6791		7.090.447,5205	7.090.445,7948	
Station: 5+0									
Dist. Eixo (m):		-6,086	-3,972		0,000		4,145	5,887	
Cota (m):		14,088	14,046				14,042	14,077	
E:		708.499,6889	708.499,7673		708.499,9139		708.500,0669	708.500,1312	
N:		7.090.458,1404	7.090.456,0179		7.090.452,0482		7.090.447,9063	7.090.446,1655	
Station: 5+10									
Dist. Eixo (m):		-6,142	-3,985		0,000		4,126	5,885	
Cota (m):		14,031	13,988				13,985	14,020	
E:		708.509,6804	708.509,7600		708.509,9071		708.510,0594	708.510,1243	
N:		7.090.458,5547	7.090.456,3996		7.090.452,4173		7.090.448,2940	7.090.446,5362	
Station: 6+0									
Dist. Eixo (m):		-6,179	-3,998		0,000		4,108	5,884	
Cota (m):		13,988	13,944				13,942	13,977	
E:		708.519,6722	708.519,7527		708.519,9003		708.520,0519	708.520,1174	
N:		7.090.458,9616	7.090.456,7813		7.090.452,7864		7.090.448,6816	7.090.446,9068	
Station: 6+10									
Dist. Eixo (m):		-6,114	-4,010		0,000		4,089	5,890	
Cota (m):		13,943	13,900				13,899	13,935	
E:		708.529,6878	708.529,7455		708.529,8935		708.530,0444	708.530,1109	
N:		7.090.459,2650	7.090.457,1630		7.090.453,1555		7.090.449,0693	7.090.447,2695	
Station: 7+0									
Dist. Eixo (m):		-6,428	-4,023		0,000		4,071	5,908	
Cota (m):		13,903	13,855				13,854	13,891	
E:		708.539,6494	708.539,7382		708.539,8867		708.540,0369	708.540,1047	
N:		7.090.459,9486	7.090.457,8447		7.090.453,5246		7.090.449,4563	7.090.447,6204	
Station: 7+10									
Dist. Eixo (m):		-6,438	-4,035		0,000		4,054	5,926	
Cota (m):		13,857	13,809				13,809	13,846	
E:		708.549,6422	708.549,7309		708.549,8798		708.550,0295	708.550,0986	
N:		7.090.460,3268	7.090.457,9264		7.090.453,8937		7.090.449,8422	7.090.447,9713	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA HILDO NOVAES

Desenho Esquemático:



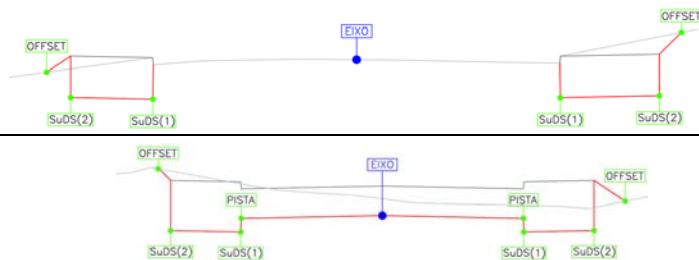
PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 8+0									
Dist. Eixo (m):		-6,447	-4,047		0,000		4,037	5,928	
Cota (m):		13,788	13,740				13,740	13,778	
E:		708.559,6351	708.559,7236		708.559,8730		708.560,0220	708.560,0918	
N:		7.090.460,7049	7.090.458,3074		7.090.454,2627		7.090.450,2281	7.090.448,3383	
Station: 8+10									
Dist. Eixo (m):		-6,456	-4,046		0,000		4,021	5,901	
Cota (m):		13,716	13,668				13,668	13,706	
E:		708.569,6279	708.569,7169		708.569,8662		708.570,0146	708.570,0840	
N:		7.090.461,0831	7.090.458,6746		7.090.454,6318		7.090.450,6140	7.090.448,7350	
Station: 9+0									
Dist. Eixo (m):		-6,465	-4,044		0,000		4,004	5,873	
Cota (m):		13,668	13,620				13,621	13,658	
E:		708.579,6208	708.579,7101		708.579,8594		708.580,0072	708.580,0762	
N:		7.090.461,4613	7.090.459,0419		7.090.455,0009		7.090.450,9999	7.090.449,1316	
Station: 9+10									
Dist. Eixo (m):		-7,009	-4,082		0,000		3,973	5,952	
Cota (m):		13,635	13,576				13,578	13,618	
E:		708.589,5939	708.589,7019		708.589,8526		708.589,9992	708.590,0723	
N:		7.090.462,3737	7.090.460,2097		7.090.455,3700		7.090.451,3994	7.090.449,4222	
Station: 10+0									
Dist. Eixo (m):		-6,802	-4,474		0,000		4,270	6,366	
Cota (m):		13,587	13,540				13,544	13,586	
E:		708.599,5947	708.599,6807		708.599,8458		708.600,0034	708.600,0807	
N:		7.090.462,5360	7.090.460,2097		7.090.455,7391		7.090.451,4718	7.090.449,3777	
Station: 11+0									
Dist. Eixo (m):		-5,851	-4,060		0,000		4,285	6,318	
Cota (m):		13,630	13,595				13,590	13,631	
E:		708.619,6162	708.619,6823		708.619,8321		708.619,9903	708.620,0653	
N:		7.090.462,3244	7.090.460,5344		7.090.456,4773		7.090.452,1947	7.090.450,1638	
Station: 11+10									
Dist. Eixo (m):		-5,893	-3,987		0,000		4,173	6,163	
Cota (m):		13,658	13,620				13,616	13,656	
E:		708.629,6078	708.629,6782		708.629,8253		708.629,9794	708.630,0528	
N:		7.090.462,7350	7.090.460,8304		7.090.456,8464		7.090.452,6761	7.090.450,6879	
Station: 12+0									
Dist. Eixo (m):		-6,148	-3,972		0,000		4,099	6,257	
Cota (m):		13,681	13,637				13,634	13,678	
E:		708.639,5916	708.639,6719		708.639,8185		708.639,9698	708.640,0495	
N:		7.090.463,3593	7.090.461,1844		7.090.457,2155		7.090.453,1192	7.090.450,9624	
Station: 12+10									
Dist. Eixo (m):		-6,413	-3,985		0,000		4,047	6,154	
Cota (m):		13,701	13,652				13,651	13,693	
E:		708.649,5750	708.649,6646		708.649,8117		708.649,9611	708.650,0388	
N:		7.090.463,9932	7.090.461,5669		7.090.457,5845		7.090.453,5401	7.090.451,4349	
Station: 13+0									
Dist. Eixo (m):		-6,653	-3,998		0,000		4,000	6,075	
Cota (m):		13,624	13,574				13,571	13,612	
E:		708.659,5593	708.659,6573		708.659,8049		708.659,9525	708.660,0291	
N:		7.090.464,6017	7.090.461,9493		7.090.457,9536		7.090.453,9559	7.090.451,8830	
Station: 13+8									
Dist. Eixo (m):		-6,858	-4,010		0,000		3,960	6,006	
Cota (m):		13,560	13,503				13,504	13,545	
E:		708.668,1725	708.668,2776		708.668,4256		708.668,5717	708.668,6473	
N:		7.090.465,1252	7.090.462,2793		7.090.458,2720		7.090.454,3147	7.090.452,2695	
Station: 13+10									
Dist. Eixo (m):		-6,937	-4,152		0,000		3,935	5,981	
Cota (m):		13,551	13,496				13,500	13,541	
E:		708.669,6376	708.669,7023		708.669,7986		708.669,8900	708.669,9375	
N:		7.090.465,2395	7.090.462,4543		7.090.458,3039		7.090.454,3695	7.090.452,3242	
Station: 14+10									
Dist. Eixo (m):		-6,978	-4,810	-4,800	0,000	4,805	4,815	6,922	
ota Camada 1 (m)				13,999	14,066	13,999			
ota Camada 3 (m)				13,919	13,986	13,919			
ota Camada 6 (m)				13,879	13,946	13,879			
ota Camada 7 (m)				13,729	13,796	13,729			
Cota (m):		13,632	13,589	13,579	13,646	13,579	13,589	13,631	
E:		708.689,4739	708.689,5721	708.689,5725	708.689,7898	708.690,0074	708.690,0078	708.690,1032	
N:		7.090.465,8388	7.090.463,6727	7.090.463,6627	7.090.458,8680	7.090.454,0678	7.090.454,0578	7.090.451,9527	
Station: 15+0									
Dist. Eixo (m):		-6,447	-4,010	-4,000	0,000	4,000	4,010	6,291	
ota Camada 1 (m)				14,077	14,157	14,077			
ota Camada 3 (m)				13,997	14,077	13,997			
ota Camada 6 (m)				13,957	14,037	13,957			
ota Camada 7 (m)				13,807	13,887	13,807			
Cota (m):		13,716	13,667	13,657	13,737	13,657	13,667	13,712	
E:		708.699,4877	708.699,5980	708.699,5985	708.699,7796	708.699,9607	708.699,9611	708.700,0644	
N:		7.090.465,7607	7.090.463,3266	7.090.463,3166	7.090.459,3207	7.090.455,3248	7.090.455,3149	7.090.453,0361	

PREFEITURA MUNICIPAL DE JOINVILLE
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RUA HILDO NOVAES

Station: 15+10											
Dist. Eixo (m):			-6,279	-4,010	-4,000	0,000	4,000	4,010	6,324		
ota Camada 1 (m)					14,168	14,248	14,168				
ota Camada 3 (m)					14,088	14,168	14,088				
ota Camada 6 (m)					14,048	14,128	14,048				
ota Camada 7 (m)					13,898	13,978	13,898				
Cota (m):			13,803	13,758	13,748	13,828	13,748	13,758	13,804		
E:			708.709,4850	708.709,5878	708.709,5882	708.709,7693	708.709,9504	708.709,9509	708.710,0556		
N:			7.090.466,0462	7.090.463,7794	7.090.463,7694	7.090.459,7735	7.090.455,7776	7.090.455,7676	7.090.453,4564		
Station: 16+0											
Dist. Eixo (m):			-6,112	-4,010	-4,000	0,000	4,000	4,010	6,356		
ota Camada 1 (m)					14,258	14,338	14,258				
ota Camada 3 (m)					14,178	14,258	14,178				
ota Camada 6 (m)					14,138	14,218	14,138				
ota Camada 7 (m)					13,988	14,068	13,988				
Cota (m):			13,890	13,848	13,838	13,918	13,838	13,848	13,895		
E:			708.719,4824	708.719,5775	708.719,5780	708.719,7591	708.719,9402	708.719,9406	708.720,0469		
N:			7.090.466,3318	7.090.464,2322	7.090.464,2222	7.090.460,2263	7.090.456,2304	7.090.456,2204	7.090.453,8766		

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA HILDO NOVAES

Desenho Esquemático:



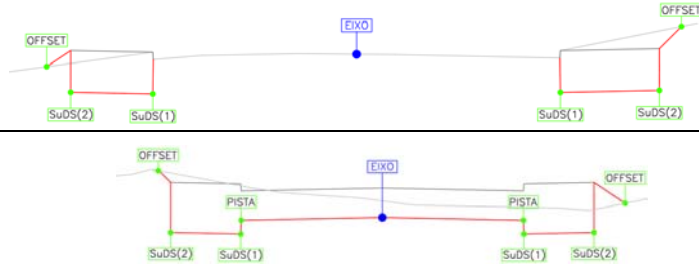
PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 16+4									
Dist. Eixo (m):		-6,036	-4,010	-4,000	0,000	4,000	4,010	6,371	
Cota Camada 1 (m)				14,299	14,379	14,299			
Cota Camada 3 (m)				14,219	14,299	14,219			
Cota Camada 6 (m)				14,179	14,259	14,179			
Cota Camada 7 (m)				14,029	14,109	14,029			
Cota (m):		13,930	13,889	13,879	13,959	13,879	13,889	13,937	
E:		708.724,0082	708.724,0999	708.724,1004	708.724,2815	708.724,4626	708.724,4630	708.724,5699	
N:		7.090.466,4610	7.090.464,4371	7.090.464,4271	7.090.460,4312	7.090.456,4353	7.090.456,4253	7.090.454,0668	
Station: 16+10									
Dist. Eixo (m):		-5,988	-4,054	-4,044	0,000	3,966	3,966	6,345	
Cota Camada 1 (m)				14,348	14,429	14,350			
Cota Camada 3 (m)				14,268	14,349	14,270			
Cota Camada 6 (m)				14,228	14,309	14,230			
Cota Camada 7 (m)				14,078	14,159	14,080			
Cota (m):		13,977	13,938	13,928	14,009	13,930	13,940	13,987	
E:		708.729,5275	708.729,5995	708.729,5999	708.729,7506	708.729,8981	708.729,8984	708.729,9871	
N:		7.090.466,6187	7.090.464,6864	7.090.464,6764	7.090.460,6352	7.090.456,6817	7.090.456,6717	7.090.454,2947	
Station: 17+0									
Dist. Eixo (m):		-5,902	-4,134	-4,124	0,000	3,876	3,886	6,343	
Cota Camada 1 (m)				14,437	14,520	14,442			
Cota Camada 3 (m)				14,357	14,440	14,362			
Cota Camada 6 (m)				14,317	14,400	14,322			
Cota Camada 7 (m)				14,167	14,250	14,172			
Cota (m):		14,073	14,027	14,017	14,100	14,022	14,032	14,081	
E:		708.739,5237	708.739,5896	708.739,5900	708.739,7437	708.739,8881	708.739,8885	708.739,9801	
N:		7.090.466,9056	7.090.465,1391	7.090.465,1292	7.090.461,0079	7.090.457,1345	7.090.457,1245	7.090.454,6698	
Station: 17+9									
Dist. Eixo (m):				-6,358	0,000	11,821			
Cota Camada 1 (m)				14,481	14,608	14,371			
Cota Camada 3 (m)				14,401	14,528	14,291			
Cota Camada 6 (m)				14,361	14,488	14,251			
Cota Camada 7 (m)				14,211	14,338	14,101			
Cota (m):				14,061	14,188	13,951			
E:				708.749,2055	708.749,4425	708.749,8831			
N:				7.090.467,7232	7.090.461,3696	7.090.449,5573			
Station: 18+10									
Dist. Eixo (m):		-5,937	-3,852		0,000		5,010	5,955	
Cota (m):		14,428	14,386				14,363	14,382	
E:		708.769,5016	708.769,5793		708.769,7228		708.769,9096	708.769,9448	
N:		7.090.468,0587	7.090.465,9752		7.090.462,1260		7.090.457,1195	7.090.456,1755	
Station: 19+0									
Dist. Eixo (m):		-5,926	-3,809		0,000		4,008	6,021	
Cota (m):		14,491	14,449				14,445	14,485	
E:		708.779,4950	708.779,5739		708.779,7159		708.779,8653	708.779,9403	
N:		7.090.468,4210	7.090.466,3056		7.090.462,4987		7.090.458,4939	7.090.456,4822	
Station: 19+10									
Dist. Eixo (m):		-5,916	-3,767		0,000		4,066	6,063	
Cota (m):		14,552	14,509				14,503	14,543	
E:		708.789,4884	708.789,5685		708.789,7089		708.789,8605	708.789,9349	
N:		7.090.468,7833	7.090.466,6359		7.090.462,8714		7.090.458,8085	7.090.456,8129	
Station: 20+0									
Dist. Eixo (m):		-5,906	-3,725		0,000		4,124	6,054	
Cota (m):		14,508	14,464				14,456	14,495	
E:		708.799,4819	708.799,5632		708.799,7020		708.799,8557	708.799,9276	
N:		7.090.469,1456	7.090.466,9663		7.090.463,2442		7.090.459,1232	7.090.457,1940	
Station: 20+10									
Dist. Eixo (m):		-5,895	-3,677		0,000		4,219	5,902	
Cota (m):		14,458	14,414				14,403	14,437	
E:		708.809,4753	708.809,5580		708.809,6950		708.809,8523	708.809,9150	
N:		7.090.469,5079	7.090.467,2918		7.090.463,6169		7.090.459,4005	7.090.457,7193	
Station: 21+0									
Dist. Eixo (m):		-11,760	-6,062		0,000		5,782	12,686	
Cota (m):		14,350	14,236				14,241	14,380	
E:		708.819,2498	708.819,4621		708.819,6881		708.819,9036	708.820,1609	
N:		7.090.475,7410	7.090.470,0476		7.090.463,9896		7.090.458,2116	7.090.451,3121	
Station: 21+10									
Dist. Eixo (m):		-12,120	-8,541		0,000		5,010	11,883	
Cota (m):		14,044	13,972				14,043	14,181	
E:		708.829,2294	708.829,3628		708.829,6811		708.829,8679	708.830,1240	
N:		7.090.476,4737	7.090.472,8975		7.090.464,3623		7.090.459,3558	7.090.452,4879	
Station: 22+0									
Dist. Eixo (m):		-6,010	-4,031		0,000		5,010	6,054	
Cota (m):		14,167	14,127				14,108	14,129	
E:		708.839,4502	708.839,5240		708.839,6742		708.839,8609	708.839,8998	
N:		7.090.470,7411	7.090.468,7632		7.090.464,7350		7.090.459,7285	7.090.458,6855	
Station: 22+10									
Dist. Eixo (m):		-6,056	-4,098		0,000		5,010	6,002	
Cota (m):		14,290	14,251				14,232	14,252	
E:		708.849,4415	708.849,5145		708.849,6672		708.849,8540	708.849,8909	
N:		7.090.471,1600	7.090.469,2025		7.090.465,1077		7.090.460,1012	7.090.459,1100	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
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Station: 23+0										
Dist. Eixo (m):			-6,094	-4,075		0,000		3,912	5,950	
Cota (m):			14,416	14,376				14,379	14,420	
E:			708.859,4332	708.859,5084		708.859,6603		708.859,8061	708.859,8821	
N:			7.090.471,5702	7.090.469,5521		7.090.465,4804		7.090.461,5716	7.090.459,5345	
Station: 23+10										
Dist. Eixo (m):			-5,876	-4,041		0,000		3,881	5,898	
Cota (m):			14,586	14,549				14,552	14,592	
E:			708.869,4344	708.869,5027		708.869,6534		708.869,7980	708.869,8732	
N:			7.090.471,7249	7.090.469,8916		7.090.465,8531		7.090.461,9751	7.090.459,9590	
Station: 24+0										
Dist. Eixo (m):			-5,776	-4,037		0,000		3,850	5,846	
Cota (m):			14,769	14,735				14,738	14,778	
E:			708.879,4311	708.879,4960		708.879,6464		708.879,7899	708.879,8643	
N:			7.090.471,9978	7.090.470,2598		7.090.466,2258		7.090.462,3786	7.090.460,3836	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA HILDO NOVAES

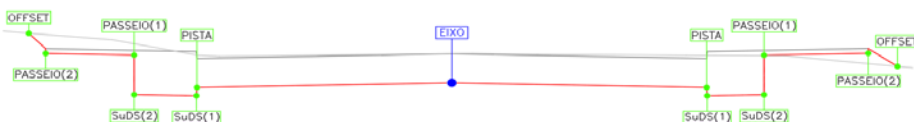
Desenho Esquemático:



PONTOS NOTÁVEIS			OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET		
Station: 24+10													
Dist. Eixo (m):				-12,422	-6,965		0,000		4,421	7,384			
Cota (m):				14,914	14,805				14,856	14,915			
E:				708.889,1765	708.889,3799		708.889,6395		708.889,8042	708.889,9147			
N:				7.090.479,0120	7.090.473,5586		7.090.466,5985		7.090.462,1807	7.090.459,2197			
Station: 25+0													
Dist. Eixo (m):				-12,362	-7,353		0,000		6,220	7,781			
Cota (m):				15,070	14,970				14,993	15,024			
E:				708.899,1718	708.899,3585		708.899,6325		708.899,8643	708.899,9225			
N:				7.090.479,3243	7.090.474,3187		7.090.466,9712		7.090.460,7553	7.090.459,1958			
Station: 25+10													
Dist. Eixo (m):				-5,962	-4,045		0,000		3,902	5,919			
Cota (m):				15,185	15,147				15,149	15,190			
E:				708.909,4033	708.909,4748		708.909,6256		708.909,7710	708.909,8462			
N:				7.090.473,3019	7.090.471,3859		7.090.467,3439		7.090.463,4442	7.090.461,4289			
Station: 26+0													
Dist. Eixo (m):				-5,923	-4,000		0,000		3,937	5,978			
Cota (m):				15,284	15,246				15,247	15,288			
E:				708.919,3978	708.919,4695		708.919,6186		708.919,7653	708.919,8414			
N:				7.090.473,6358	7.090.471,7135		7.090.467,7166		7.090.463,7825	7.090.461,7423			
Station: 26+10													
Dist. Eixo (m):				-6,951	-4,013		0,000		3,956	5,742			
Cota (m):				15,404	15,345				15,346	15,382			
E:				708.929,3526	708.929,4621		708.929,6117		708.929,7591	708.929,8257			
N:				7.090.475,3731	7.090.472,0999		7.090.468,0893		7.090.464,1359	7.090.462,3514			
Station: 27+0													
Dist. Eixo (m):				-6,916	-3,997		0,000		3,976	5,845			
Cota (m):				15,488	15,430				15,430	15,467			
E:				708.939,3470	708.939,4558		708.939,6047		708.939,7529	708.939,8226			
N:				7.090.475,3731	7.090.472,4558		7.090.468,4620		7.090.464,4892	7.090.462,6209			
Station: 27+10													
Dist. Eixo (m):				-7,023	-3,961		0,000		3,995	5,872			
Cota (m):				15,569	15,507				15,507	15,544			
E:				708.949,3360	708.949,4501		708.949,5978		708.949,7467	708.949,8166			
N:				7.090.475,8526	7.090.472,7931		7.090.468,8347		7.090.464,8425	7.090.462,9664			

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NOTA DE SERVIÇO
RUA HILDO NOVAES

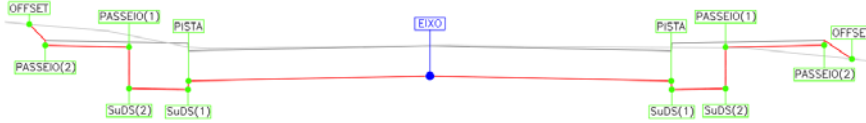
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO(2)	PASSEIO(1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO(1)	PASSEIO(2)	OFFSET
Station: 28+11													
Dist. Eixo (m):		-11,128	-10,306	-10,306	-9,316	-9,306	0,000	11,699	11,709	12,699	12,699	13,000	
Cota (m):		16,373	16,357	15,507	15,487	15,897	15,655	15,589	15,179	15,199	16,049	16,055	
E:		708.970,9891	708.971,0169	708.971,0169	708.971,0505	708.971,0508	708.971,3661	708.971,7625	708.971,7629	708.971,7964	708.971,7964	708.971,8066	
N:		7.090.480,7203	7.090.479,8994	7.090.479,8994	7.090.478,9097	7.090.478,9097	7.090.469,5990	7.090.457,9066	7.090.457,8966	7.090.456,9071	7.090.456,9071	7.090.456,6065	
Station: 28+13													
Dist. Eixo (m):		-8,868	-6,935	-6,935	-5,945	-5,935	0,000	6,327	6,337	7,327	7,327	10,146	
Cota (m):		16,289	16,250	15,401	15,381	15,791	15,685	15,630	15,220	15,240	16,091	16,147	
E:		708.973,2047	708.973,2702	708.973,2702	708.973,3037	708.973,3041	708.973,5052	708.973,7195	708.973,7199	708.973,7534	708.973,7534	708.973,8490	
N:		7.090.478,5354	7.090.476,6029	7.090.476,6029	7.090.475,6133	7.090.475,6033	7.090.469,6715	7.090.463,3485	7.090.463,3385	7.090.462,3491	7.090.462,3491	7.090.459,5309	
Station: 29+0													
Dist. Eixo (m):		-6,229	-5,148	-5,148	-4,158	-4,148	0,000	3,852	3,862	4,852	4,852	5,868	
Cota Camada 1 (m)						16,064	16,147	16,070					
Cota Camada 3 (m)						15,984	16,067	15,990					
Cota Camada 6 (m)						15,944	16,027	15,950					
Cota Camada 7 (m)						15,824	15,907	15,830					
Cota (m):		16,156	16,134	15,284	15,264	15,674	15,757	15,680	15,270	15,290	16,140	16,160	
E:		708.979,2827	708.979,3336	708.979,3336	708.979,3803	708.979,3808	708.979,5763	708.979,7579	708.979,7584	708.979,8051	708.979,8051	708.979,8529	
N:		7.090.476,1805	7.090.475,1007	7.090.475,1007	7.090.474,1116	7.090.474,1016	7.090.469,9581	7.090.466,1104	7.090.466,1004	7.090.465,1115	7.090.465,1115	7.090.464,0970	
Station: 29+10													
Dist. Eixo (m):		-6,075	-5,098	-5,098	-4,108	-4,098	0,000	3,902	3,912	4,902	4,902	5,919	
Cota Camada 1 (m)						16,184	16,266	16,188					
Cota Camada 3 (m)						16,104	16,186	16,108					
Cota Camada 6 (m)						16,064	16,146	16,068					
Cota Camada 7 (m)						15,944	16,026	15,948					
Cota (m):		16,274	16,254	15,404	15,384	15,794	15,876	15,798	15,388	15,408	16,258	16,278	
E:		708.989,2788	708.989,3249	708.989,3249	708.989,3716	708.989,3720	708.989,5652	708.989,7492	708.989,7496	708.989,7963	708.989,7963	708.989,8443	
N:		7.090.476,4976	7.090.475,5219	7.090.475,5219	7.090.474,5328	7.090.474,5228	7.090.470,4295	7.090.466,5316	7.090.466,5216	7.090.465,5327	7.090.465,5327	7.090.464,5168	
Station: 30+0													
Dist. Eixo (m):		-5,921	-5,048	-5,048	-4,058	-4,048	0,000	3,952	3,962	4,952	4,952	5,961	
Cota Camada 1 (m)						16,304	16,385	16,306					
Cota Camada 3 (m)						16,224	16,305	16,226					
Cota Camada 6 (m)						16,184	16,265	16,186					
Cota Camada 7 (m)						16,064	16,145	16,066					
Cota (m):		16,391	16,374	15,524	15,504	15,914	15,995	15,916	15,506	15,526	16,376	16,396	
E:		708.999,2750	708.999,3161	708.999,3161	708.999,3628	708.999,3633	708.999,5541	708.999,7404	708.999,7409	708.999,7876	708.999,7876	708.999,8351	
N:		7.090.476,8151	7.090.475,9431	7.090.475,9431	7.090.474,9540	7.090.474,9441	7.090.470,9009	7.090.466,9528	7.090.466,9429	7.090.465,9540	7.090.465,9540	7.090.464,9468	
Station: 30+9													
Dist. Eixo (m):		-5,774	-5,000	-5,000	-4,010	-4,000	0,000	4,000	4,010	5,000	5,000	6,003	
Cota Camada 1 (m)						16,430	16,510	16,430					
Cota Camada 3 (m)						16,350	16,430	16,350					
Cota Camada 6 (m)						16,310	16,390	16,310					
Cota Camada 7 (m)						16,190	16,270	16,190					
Cota (m):		16,515	16,500	15,650	15,630	16,040	16,120	16,040	15,630	15,650	16,500	16,520	
E:		709.008,7519	709.008,7884	709.008,7884	709.008,8351	709.008,8355	709.009,0241	709.009,2127	709.009,2131	709.009,2598	709.009,2598	709.009,3071	
N:		7.090.477,1159	7.090.476,3425	7.090.476,3425	7.090.475,3534	7.090.475,3434	7.090.471,3478	7.090.467,3522	7.090.467,3422	7.090.466,3533	7.090.466,3533	7.090.465,3519	
Station: 30+10													
Dist. Eixo (m):		-5,768	-4,990	-4,990	-4,000	-3,990	0,000	4,011	4,021	5,011	5,011	6,017	
Cota Camada 1 (m)						16,441	16,521	16,440					
Cota Camada 3 (m)						16,361	16,441	16,360					
Cota Camada 6 (m)						16,321	16,401	16,320					
Cota Camada 7 (m)						16,201	16,281	16,200					
Cota (m):		16,527	16,511	15,661	15,641	16,051	16,131	16,050	15,640	15,660	16,510	16,530	
E:		709.009,2934	709.009,3271	709.009,3271	709.009,3699	709.009,3704	709.009,5431	709.009,7167	709.009,7171	709.009,7600	709.009,7600	709.009,8035	
N:		7.090.477,1331	7.090.476,3561	7.090.476,3561	7.090.475,3668	7.090.475,3568	7.090.471,3703	7.090.467,3627	7.090.467,3527	7.090.466,3636	7.090.466,3636	7.090.465,3588	

PREFEITURA MUNICIPAL DE JOINVILLE
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NOTA DE SERVIÇO
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Desenho Esquemático:



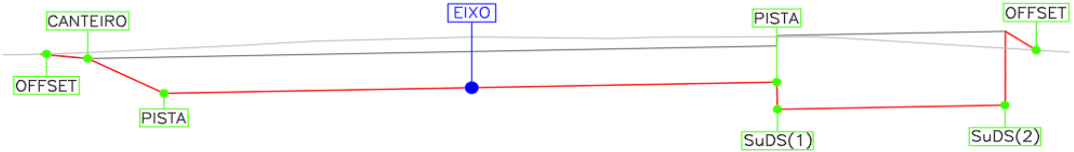
PONTOS NOTÁVEIS	OFFSET	PASSEIO(2)	PASSEIO(1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO(1)	PASSEIO(2)	OFFSET
Station: 31+0													
Dist. Eixo (m):		-5,652	-4,788	-4,788	-3,797	-3,787	0,000	4,214	4,224	5,214	5,214		6,311
ota Camada 1 (m)						16,794	16,870	16,786					
ota Camada 3 (m)						16,714	16,790	16,706					
ota Camada 6 (m)						16,674	16,750	16,666					
ota Camada 7 (m)						16,554	16,630	16,546					
Cota (m):		16,881	16,864	16,014	15,994	16,404	16,480	16,396	15,986	16,005	16,855	16,877	
E:		709.019.2891	709.019.3265	709.019.3265	709.019.3694	709.019.3698	709.019.5337	709.019.7161	709.019.7165	709.019.7594	709.019.7594	709.019.8069	
N:		7.090.477.4501	7.090.476.5862	7.090.476.5862	7.090.475.5969	7.090.475.5870	7.090.471.8031	7.090.467.5928	7.090.467.5828	7.090.466.5937	7.090.466.5937	7.090.465.4978	
Station: 31+10													
Dist. Eixo (m):		-5,537	-4,585	-4,585	-3,595	-3,585	0,000	4,417	4,427	5,417	5,417		6,605
ota Camada 1 (m)						17,404	17,475	17,387					
ota Camada 3 (m)						17,324	17,395	17,307					
ota Camada 6 (m)						17,284	17,355	17,267					
ota Camada 7 (m)						17,164	17,235	17,147					
Cota (m):		17,492	17,473	16,624	16,604	17,014	17,085	16,997	16,587	16,607	17,456	17,480	
E:		709.029.2847	709.029.3259	709.029.3259	709.029.3688	709.029.3692	709.029.5243	709.029.7155	709.029.7160	709.029.7588	709.029.7588	709.029.8102	
N:		7.090.477.7674	7.090.476.8164	7.090.476.8164	7.090.475.8271	7.090.475.8171	7.090.472.2359	7.090.467.8229	7.090.467.8130	7.090.466.8239	7.090.466.8239	7.090.465.6367	
Station: 32+0													
Dist. Eixo (m):		-10,621	-9,665	-9,665	-8,675	-8,665	0,000	10,487	10,497	11,487	11,487		12,392
ota Camada 1 (m)						18,225	18,139	17,932					
ota Camada 3 (m)						18,145	18,059	17,852					
ota Camada 6 (m)						18,105	18,019	17,812					
ota Camada 7 (m)						17,985	17,899	17,692					
Cota (m):		18,314	18,295	17,445	17,425	17,835	17,749	17,542	17,132	17,152	18,002	18,020	
E:		709.039.0553	709.039.0966	709.039.0966	709.039.1395	709.039.1399	709.039.5150	709.039.9688	709.039.9693	709.040.0121	709.040.0121	709.040.0513	
N:		7.090.483.2797	7.090.482.3249	7.090.482.3249	7.090.481.3357	7.090.481.3257	7.090.472.6687	7.090.462.1918	7.090.462.1819	7.090.461.1928	7.090.461.1928	7.090.460.2879	
Station: 32+8													
Dist. Eixo (m):		-7,000	-6,000	-6,000	-5,010	-5,000	0,000	9,675					
ota Camada 1 (m)						18,215	18,315	18,213					
ota Camada 3 (m)						18,135	18,235	18,133					
ota Camada 6 (m)						18,095	18,195	18,093					
ota Camada 7 (m)						17,975	18,075	17,973					
Cota (m):		18,305	18,285	17,435	17,415	17,825	17,925	17,823					
E:		709.047.4354	709.047.4786	709.047.4786	709.047.5215	709.047.5219	709.047.7383	709.048.1571					
N:		7.090.480.0186	7.090.479.0196	7.090.479.0196	7.090.478.0303	7.090.478.0203	7.090.473.0250	7.090.463.3595					
Station: 32+10													
Dist. Eixo (m):		-11,874	-7,945	-7,945	-6,955	-6,945	0,000	5,717	5,727	6,717	6,717		10,067
ota Camada 1 (m)						18,653	18,450	18,482					
ota Camada 3 (m)						18,573	18,370	18,402					
ota Camada 6 (m)						18,533	18,330	18,362					
ota Camada 7 (m)						18,413	18,210	18,242					
Cota (m):		18,802	18,723	17,873	17,853	18,263	18,060	18,092	17,682	17,702	18,552	18,619	
E:		709.048.9917	709.049.1617	709.049.1617	709.049.2046	709.049.2050	709.049.5056	709.049.7531	709.049.7535	709.049.7963	709.049.7963	709.049.9413	
N:		7.090.484.9642	7.090.481.0390	7.090.481.0390	7.090.480.0497	7.090.480.0397	7.090.473.1015	7.090.467.3894	7.090.467.3794	7.090.466.3904	7.090.466.3904	7.090.463.0443	
Station: 32+14													
Dist. Eixo (m):		-5,643	-5,063	-5,063	-4,073	-4,063	0,000	4,000	4,010	4,999	4,999		6,314
ota Camada 1 (m)						18,950	18,973	18,893					
ota Camada 3 (m)						18,870	18,893	18,813					
ota Camada 6 (m)						18,830	18,853	18,773					
ota Camada 7 (m)						18,710	18,733	18,653					
Cota (m):		19,032	19,020	18,170	18,150	18,560	18,583	18,503	18,093	18,113	18,963	18,989	
E:		709.054.2058	709.054.2309	709.054.2309	709.054.2738	709.054.2742	709.054.4501	709.054.6233	709.054.6238	709.054.6666	709.054.6666	709.054.7235	
N:		7.090.478.9535	7.090.478.3741	7.090.478.3741	7.090.477.3848	7.090.477.3748	7.090.473.3158	7.090.469.3165	7.090.469.3065	7.090.468.3174	7.090.468.3174	7.090.467.0032	
Station: 33+0													
Dist. Eixo (m):		-5,750	-5,000	-5,000	-4,010	-4,000	0,000	4,000	4,010	5,000	5,000		6,164
ota Camada 1 (m)						19,549	19,629	19,549					
ota Camada 3 (m)						19,469	19,549	19,469					
ota Camada 6 (m)						19,429	19,509	19,429					
ota Camada 7 (m)						19,309	19,389	19,309					
Cota (m):		19,634	19,619	18,769	18,749	19,159	19,239	19,159	18,749	18,769	19,619	19,642	
E:		709.059.4756	709.059.4789	709.059.4789	709.059.4832	709.059.4833	709.059.5009	709.059.5185	709.059.5186	709.059.5229	709.059.5229	709.059.5281	
N:		7.090.479.0882	7.090.478.3382	7.090.478.3382	7.090.477.3480	7.090.477.3380	7.090.473.3380	7.090.469.3380	7.090.469.3280	7.090.468.3381	7.090.468.3381	7.090.467.1738	
Station: 33+4													
Dist. Eixo (m):		-5,879	-4,999	-4,999	-4,009	-3,999	0,000	4,000	4,010	5,000	5,000		6,026
ota Camada 1 (m)						20,080	20,160	20,080					
ota Camada 3 (m)						20,000	20,080	20,000					
ota Camada 6 (m)						19,960	20,040	19,960					
ota Camada 7 (m)						19,840	19,920	19,840					
Cota (m):		20,168	20,150	19,300	19,280	19,690	19,770	19,690	19,280	19,300	20,150	20,171	
E:		709.063.9053	709.063.9091	709.063.9091	709.063.9135	709.063.9136	709.063.9312	709.063.9488	709.063.9488	709.063.9532	709.063.9532	709.063.9577	
N:		7.090.479.2385	7.090.478.3577	7.090.478.3577	7.090.477.3675	7.090.477.3575	7.090.473.3575	7.090.469.3576	7.090.469.3476	7.090.468.3576	7.090.468.3576	7.090.467.3311	
Station: 33+10													
Dist. Eixo (m):		-5,914	-5,000	-5,000	-4,010	-4,000	0,000	4,000	4,010	5,000	5,000		5,980
ota Camada 1 (m)						20,545	20,625	20,545					
ota Camada 3 (m)						20,465	20,545	20,465					
ota Camada 6 (m)						20,425	20,505	20,425					
ota Camada 7 (m)						20,305	20,385	20,305					
Cota (m):		20,633	20,615	19,765	19,745	20,155	20,235	20,155	19,745	19,765	20,614	20,634	
E:		709.069.3358	709.069.3610	709.069.3610	709.069.3883	709.069.3886	709.069.4988	709.069.6089	709.069.6092	709.069.6365	709.069.6365	709.069.6635	
N:		7.090.479.4228	7.090.478.5093	7.090.478.5093	7.090.477.5194	7.090.477.5095	7.090.473.5110	7.090.469.5125	7.090.469.5025	7.090.468.5129	7.090.468.5129	7.090.467.5337	
Station: 33+16													
Dist. Eixo (m):		-5,958	-5,000	-5,000	-4,010	-4,000	0,000	4,000	4,010	5,000	5,000		5,924
ota Camada 1 (m)						20,934	21,014	20,934					
ota Camada 3 (m)						20,854	20,934	20,854					
ota Camada 6 (m)						20,814	20,894	20,814					
ota Camada 7 (m)						20,694	20,774	20,694					
Cota (m):		21,023	21,003	20,154	20,134	20,544	20,624	20,544	20,134	20,153	21,004	21,022	
E:		709.076.3120	709.076.3384	709.076.3384	709.076.3657	709.076.3659	709.076.4761	709.076.5863	709.076.5866	709.076.6139	709.076.6139	709.07	

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Station: 34+0												
Dist. Eixo (m):	-5,945	-5,000	-5,000	-4,010	-4,000	0,000	4,000	4,010	5,000	5,000	5,933	
ota Camada 1 (m)					21,100	21,180	21,100					
ota Camada 3 (m)					21,020	21,100	21,020					
ota Camada 6 (m)					20,980	21,060	20,980					
ota Camada 7 (m)					20,860	20,940	20,860					
Cota (m):	21,189	21,170	20,320	20,300	20,710	20,790	20,710	20,300	20,320	21,170	21,189	
E:	709.079,2657	709.079,3020	709.079,3020	709.079,3400	709.079,3404	709.079,4939	709.079,6474	709.079,6478	709.079,6858	709.079,6858	709.079,7216	
N:	7.090.479,7598	7.090.478,8157	7.090.478,8157	7.090.477,8262	7.090.477,8162	7.090.473,8192	7.090.469,8221	7.090.469,8121	7.090.468,8228	7.090.468,8228	7.090.467,8908	
Station: 34+10												
Dist. Eixo (m):	-5,900	-5,000	-5,000	-4,010	-4,000	0,000	4,000	4,010	5,000	5,000	5,962	
ota Camada 1 (m)					21,652	21,732	21,652					
ota Camada 3 (m)					21,572	21,652	21,572					
ota Camada 6 (m)					21,532	21,612	21,532					
ota Camada 7 (m)					21,412	21,492	21,412					
Cota (m):	21,740	21,722	20,872	20,852	21,262	21,342	21,262	20,852	20,872	21,722	21,741	
E:	709.089,2601	709.089,2946	709.089,2946	709.089,3326	709.089,3330	709.089,4865	709.089,6400	709.089,6404	709.089,6784	709.089,6784	709.089,7153	
N:	7.090.480,0990	7.090.479,1995	7.090.479,1995	7.090.478,2100	7.090.478,2000	7.090.474,2029	7.090.470,2059	7.090.470,1959	7.090.469,2066	7.090.469,2066	7.090.468,2456	
Station: 35+0												
Dist. Eixo (m):	-5,856	-5,000	-5,000	-4,010	-4,000	0,000	4,000	4,010	5,000	5,000	5,991	
ota Camada 1 (m)					22,256	22,336	22,256					
ota Camada 3 (m)					22,176	22,256	22,176					
ota Camada 6 (m)					22,136	22,216	22,136					
ota Camada 7 (m)					22,016	22,096	22,016					
Cota (m):	22,343	22,325	21,476	21,456	21,866	21,946	21,866	21,456	21,475	22,325	22,345	
E:	709.099,2544	709.099,2872	709.099,2872	709.099,3253	709.099,3256	709.099,4791	709.099,6327	709.099,6330	709.099,6710	709.099,6710	709.099,7091	
N:	7.090.480,4381	7.090.479,5832	7.090.479,5832	7.090.478,5938	7.090.478,5838	7.090.474,5867	7.090.470,5897	7.090.470,5797	7.090.469,5904	7.090.469,5904	7.090.468,6005	
Station: 35+10												
Dist. Eixo (m):	-5,853	-5,000	-5,000	-4,010	-4,000	0,000	4,000	4,010	5,000	5,000	6,020	
ota Camada 1 (m)					22,989	23,069	22,989					
ota Camada 3 (m)					22,909	22,989	22,909					
ota Camada 6 (m)					22,869	22,949	22,869					
ota Camada 7 (m)					22,749	22,829	22,749					
Cota (m):	23,076	23,059	22,209	22,189	22,599	22,679	22,599	22,189	22,209	23,060	23,080	
E:	709.109,2471	709.109,2799	709.109,2799	709.109,3179	709.109,3183	709.109,4718	709.109,6253	709.109,6257	709.109,6637	709.109,6637	709.109,7028	
N:	7.090.480,8194	7.090.479,9670	7.090.479,9670	7.090.478,9775	7.090.478,9675	7.090.474,9705	7.090.470,9734	7.090.470,9634	7.090.469,9742	7.090.469,9742	7.090.468,9553	
Station: 36+0												
Dist. Eixo (m):	-6,697	-5,121	-5,121	-4,131	-4,121	0,000	4,161	4,171	5,161	5,161	6,327	
ota Camada 1 (m)					24,531	23,883	23,554					
ota Camada 3 (m)					24,451	23,803	23,474					
ota Camada 6 (m)					24,411	23,763	23,434					
ota Camada 7 (m)					24,291	23,643	23,314					
Cota (m):	24,633	24,601	23,751	23,731	24,141	23,493	23,164	22,754	22,774	23,624	23,647	
E:	709.119,2074	709.119,2679	709.119,2679	709.119,3059	709.119,3063	709.119,4644	709.119,6241	709.119,6245	709.119,6625	709.119,6625	709.119,7072	
N:	7.090.482,0462	7.090.480,4714	7.090.480,4714	7.090.479,4819	7.090.479,4719	7.090.475,3543	7.090.471,1967	7.090.471,1867	7.090.470,1974	7.090.470,1974	7.090.469,0320	
Station: 36+6												
Dist. Eixo (m):	-11,944	-11,175	-11,175	-10,185	-10,175	0,000	11,960	11,970	12,960	12,960	13,000	
ota Camada 1 (m)					25,970	24,404	22,747					
ota Camada 3 (m)					25,890	24,324	22,667					
ota Camada 6 (m)					25,850	24,284	22,627					
ota Camada 7 (m)					25,730	24,164	22,507					
Cota (m):	26,055	26,040	25,190	25,170	25,580	24,014	22,357	21,947	21,967	22,889	22,890	
E:	709.125,4060	709.125,4355	709.125,4355	709.125,4735	709.125,4739	709.125,8643	709.126,3233	709.126,3237	709.126,3617	709.126,3617	709.126,3633	
N:	7.090.487,5355	7.090.486,7670	7.090.486,7668	7.090.485,7775	7.090.485,7676	7.090.475,6001	7.090.463,6489	7.090.463,6390	7.090.462,6497	7.090.462,6497	7.090.462,6096	

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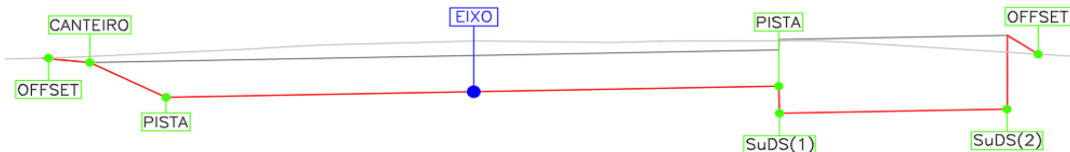
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	CANTEIRO	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0								
Dist.eixo (m)	-5,462	-5,100	-4,100	0,000	5,000	5,510	10,393	
Cota Camada 1 (m)			11,838	11,903	11,770			
Cota Camada 6 (m)			11,798	11,863	11,730			
Cota Camada 7 (m)			11,618	11,683	11,550			
Cota (m)	11,577	11,818	11,318	11,383	11,250	11,261	11,918	
E	709,446.0376	709,446.0197	709,445.9701	709,445.7669	709,445.5190	709,445.4938	709,445.2517	
N	7,089,214.1343	7,089,213.7731	7,089,212.7744	7,089,208.6794	7,089,203.6856	7,089,203.1764	7,089,198.2990	
Station: 0+10								
Dist.eixo (m)	-5,501	-5,097	-4,097	0,000	4,159	4,669	9,431	
Cota Camada 1 (m)			11,629	11,700	11,655			
Cota Camada 6 (m)			11,589	11,660	11,615			
Cota Camada 7 (m)			11,409	11,480	11,435			
Cota (m)	11,341	11,609	11,109	11,180	11,135	11,145	11,801	
E	709,455.7494	709,455.7500	709,455.7513	709,455.7567	709,455.7622	709,455.7629	709,455.7691	
N	7,089,213.7492	7,089,213.3459	7,089,212.3459	7,089,208.2485	7,089,204.0892	7,089,203.5794	7,089,198.8173	
Station: 1+0								
Dist.eixo (m)	-5,460	-5,231	-4,231	0,000	4,880	5,390	9,016	
Cota Camada 1 (m)			11,471	11,550	11,574			
Cota Camada 6 (m)			11,431	11,510	11,534			
Cota Camada 7 (m)			11,251	11,330	11,354			
Cota (m)	11,299	11,451	10,951	11,030	11,054	11,064	11,696	
E	709,465.6956	709,465.6981	709,465.7092	709,465.7561	709,465.8102	709,465.8158	709,465.8560	
N	7,089,213.8163	7,089,213.5875	7,089,212.5876	7,089,208.3569	7,089,203.4774	7,089,202.9677	7,089,199.3415	
Station: 1+10								
Dist.eixo (m)	-5,591	-5,383	-4,383	0,000	5,600			
Cota Camada 1 (m)			11,398	11,486	11,598			
Cota Camada 6 (m)			11,358	11,446	11,558			
Cota Camada 7 (m)			11,188	11,276	11,388			
Cota (m)	11,239	11,378	10,788	10,876	10,988			
E	709,475.6935	709,475.6958	709,475.7069	709,475.7555	709,475.8175			
N	7,089,214.0582	7,089,213.8500	7,089,212.8500	7,089,208.4678	7,089,202.8681			
Station: 2+0								
Dist.eixo (m)	-5,832	-5,534	-4,534	0,000	5,455			
Cota Camada 1 (m)			11,365	11,455	11,564			
Cota Camada 6 (m)			11,325	11,415	11,524			
Cota Camada 7 (m)			11,155	11,245	11,354			
Cota (m)	11,146	11,345	10,755	10,845	10,954			
E	709,485.6902	709,485.6935	709,485.7046	709,485.7549	709,485.8153			
N	7,089,214.4107	7,089,214.1124	7,089,213.1125	7,089,208.5786	7,089,203.1243			
Station: 2+10								
Dist.eixo (m)			-4,624	0,000	5,260			
Cota Camada 1 (m)			11,332	11,425	11,530			
Cota Camada 6 (m)			11,292	11,385	11,490			
Cota Camada 7 (m)			11,122	11,215	11,320			
Cota (m)			10,722	10,815	10,920			
E			709,495.7030	709,495.7543	709,495.8126			
N			7,089,213.3134	7,089,208.6894	7,089,203.4296			
Station: 3+0								
Dist.eixo (m)			-4,818	0,000	5,031	5,629	8,356	
Cota Camada 1 (m)			11,298	11,394	11,495			
Cota Camada 6 (m)			11,258	11,354	11,455			
Cota Camada 7 (m)			11,088	11,184	11,285			
Cota (m)			10,688	10,784	10,885	10,896	11,601	
E			709,505.7002	709,505.7536	709,505.8094	709,505.8160	709,505.8462	
N			7,089,213.6179	7,089,208.8003	7,089,203.7693	7,089,203.1711	7,089,200.4448	
Station: 3+10								
Dist.eixo (m)	-6,617	-6,000	-5,000	0,000	4,948	5,546	8,041	
Cota Camada 1 (m)			11,264	11,364	11,463			
Cota Camada 6 (m)			11,224	11,324	11,423			
Cota Camada 7 (m)			11,054	11,154	11,253			
Cota (m)	10,833	11,244	10,654	10,754	10,853	10,865	11,565	

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PONTOS NOTÁVEIS	OFFSET	CANTEIRO	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
E	709,515.5055	709,515.5282	709,515.5651	709,515.7492	709,515.9314	709,515.9535	709,516.0453	
N	7,089,215.6825	7,089,215.0664	7,089,214.0671	7,089,209.0705	7,089,204.1257	7,089,203.5280	7,089,201.0350	

Station: 4+0

Dist.eixo (m)	-6,587	-6,000	-5,000	0,000	4,964	5,562	8,028	
Cota Camada 1 (m)			11,233	11,333	11,433			
Cota Camada 6 (m)			11,193	11,293	11,393			
Cota Camada 7 (m)			11,023	11,123	11,223			
Cota (m)	10,822	11,213	10,623	10,723	10,823	10,835	11,534	
E	709,525.4998	709,525.5215	709,525.5583	709,525.7424	709,525.9252	709,525.9473	709,526.0381	
N	7,089,216.0212	7,089,215.4347	7,089,214.4353	7,089,209.4387	7,089,204.4777	7,089,203.8800	7,089,201.4161	

Station: 4+10

Dist.eixo (m)	-6,588	-6,000	-5,000	0,000	4,981	5,579	8,015	
Cota Camada 1 (m)			11,203	11,303	11,403			
Cota Camada 6 (m)			11,163	11,263	11,363			
Cota Camada 7 (m)			10,993	11,093	11,193			
Cota (m)	10,791	11,183	10,593	10,693	10,793	10,805	11,503	
E	709,535.4930	709,535.5147	709,535.5515	709,535.7356	709,535.9191	709,535.9411	709,536.0308	
N	7,089,216.3904	7,089,215.8029	7,089,214.8036	7,089,209.8070	7,089,204.8297	7,089,204.2321	7,089,201.7972	

Station: 5+0

Dist.eixo (m)	-6,617	-6,000	-5,000	0,000	4,997	5,595	8,002	
Cota Camada 1 (m)			11,173	11,273	11,373			
Cota Camada 6 (m)			11,133	11,233	11,333			
Cota Camada 7 (m)			10,963	11,063	11,163			
Cota (m)	10,741	11,153	10,563	10,663	10,763	10,775	11,472	
E	709,545.4852	709,545.5079	709,545.5447	709,545.7289	709,545.9129	709,545.9349	709,546.0236	
N	7,089,216.7882	7,089,216.1712	7,089,215.1719	7,089,210.1753	7,089,205.1817	7,089,204.5841	7,089,202.1783	

Station: 5+10

Dist.eixo (m)	-6,567	-6,000	-5,000	0,000	4,999			
Cota Camada 1 (m)			11,142	11,242	11,342			
Cota Camada 6 (m)			11,102	11,202	11,302			
Cota Camada 7 (m)			10,932	11,032	11,132			
Cota (m)	10,744	11,122	10,532	10,632	10,732			
E	709,555.4036	709,555.4308	709,555.4787	709,555.7183	709,555.9578			
N	7,089,217.1926	7,089,216.6265	7,089,215.6276	7,089,210.6334	7,089,205.6399			

Station: 6+0

Dist.eixo (m)	-6,389	-6,000	-5,000	0,000	4,999			
Cota Camada 1 (m)			11,112	11,212	11,312			
Cota Camada 6 (m)			11,072	11,172	11,272			
Cota Camada 7 (m)			10,902	11,002	11,102			
Cota (m)	10,832	11,092	10,502	10,602	10,702			
E	709,565.4006	709,565.4193	709,565.4672	709,565.7068	709,565.9463			
N	7,089,217.4943	7,089,217.1056	7,089,216.1068	7,089,211.1125	7,089,206.1194			

Station: 6+10

Dist.eixo (m)	-6,516	-6,000	-5,000	0,000	5,000	5,598	8,102	
Cota Camada 1 (m)			11,081	11,181	11,281			
Cota Camada 6 (m)			11,041	11,141	11,241			
Cota Camada 7 (m)			10,871	10,971	11,071			
Cota (m)	10,717	11,061	10,471	10,571	10,671	10,683	11,383	
E	709,575.4669	709,575.4851	709,575.5205	709,575.6974	709,575.8742	709,575.8954	709,575.9840	
N	7,089,218.0538	7,089,217.5378	7,089,216.5384	7,089,211.5415	7,089,206.5448	7,089,205.9472	7,089,203.4451	

Station: 7+0

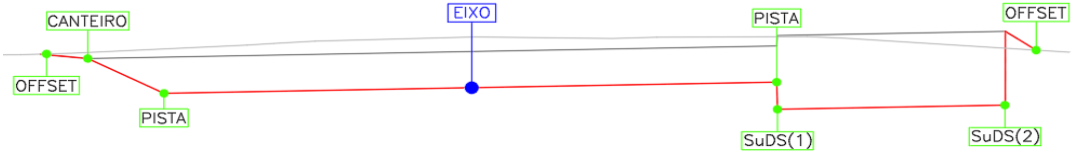
Dist.eixo (m)	-6,569	-6,000	-5,000	0,000	5,000	5,598	8,246	
Cota Camada 1 (m)			11,051	11,151	11,251			
Cota Camada 6 (m)			11,011	11,111	11,211			
Cota Camada 7 (m)			10,841	10,941	11,041			
Cota (m)	10,652	11,031	10,441	10,541	10,641	10,653	11,356	
E	709,585.4588	709,585.4789	709,585.5142	709,585.6911	709,585.8680	709,585.8891	709,585.9828	
N	7,089,218.4598	7,089,217.8915	7,089,216.8921	7,089,211.8953	7,089,206.8986	7,089,206.3009	7,089,203.6542	

Station: 7+10

Dist.eixo (m)	-6,454	-6,000	-5,000	0,000	5,000	5,598	8,210	
Cota Camada 1 (m)			11,020	11,120	11,220			
Cota Camada 6 (m)			10,980	11,080	11,180			

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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	CANTEIRO	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Cota Camada 7 (m)			10,810	10,910	11,010			
Cota (m)	10,698	11,000	10,410	10,510	10,610	10,622	11,324	
E	709,595.4565	709,595.4726	709,595.5080	709,595.6849	709,595.8617	709,595.8829	709,595.9753	
N	7,089,218.6992	7,089,218.2453	7,089,217.2459	7,089,212.2490	7,089,207.2523	7,089,206.6547	7,089,204.0439	

Station: 8+0

Dist.eixo (m)	-6,479	-6,000	-5,000	0,000	5,000	5,598	8,112	
Cota Camada 1 (m)			10,990	11,090	11,190			
Cota Camada 6 (m)			10,950	11,050	11,150			
Cota Camada 7 (m)			10,780	10,880	10,980			
Cota (m)	10,651	10,970	10,380	10,480	10,580	10,592	11,292	
E	709,605.4494	709,605.4664	709,605.5017	709,605.6786	709,605.8555	709,605.8766	709,605.9656	
N	7,089,219.0773	7,089,218.5990	7,089,217.5996	7,089,212.6028	7,089,207.6061	7,089,207.0084	7,089,204.4956	

Station: 8+10

Dist.eixo (m)	-6,479	-6,000	-5,000	0,000	5,000	5,598	8,097	
Cota Camada 1 (m)			10,958	11,058	11,158			
Cota Camada 6 (m)			10,918	11,018	11,118			
Cota Camada 7 (m)			10,748	10,848	10,948			
Cota (m)	10,618	10,938	10,348	10,448	10,548	10,560	11,260	
E	709,615.4431	709,615.4601	709,615.4955	709,615.6723	709,615.8492	709,615.8704	709,615.9588	
N	7,089,219.4319	7,089,218.9528	7,089,217.9534	7,089,212.9565	7,089,207.9598	7,089,207.3621	7,089,204.8649	

Station: 9+0

Dist.eixo (m)	-6,400	-6,000	-5,000	0,000	5,000	5,598	8,127	
Cota Camada 1 (m)			10,914	11,014	11,114			
Cota Camada 6 (m)			10,874	10,974	11,074			
Cota Camada 7 (m)			10,704	10,804	10,904			
Cota (m)	10,628	10,894	10,304	10,404	10,504	10,516	11,216	
E	709,625.4397	709,625.4538	709,625.4892	709,625.6661	709,625.8430	709,625.8641	709,625.9536	
N	7,089,219.7058	7,089,219.3065	7,089,218.3071	7,089,213.3103	7,089,208.3135	7,089,207.7159	7,089,205.1887	

Station: 9+10

Dist.eixo (m)	-6,321	-6,000	-5,000	0,000	5,000	5,598	8,194	
Cota Camada 1 (m)			10,858	10,958	11,058			
Cota Camada 6 (m)			10,818	10,918	11,018			
Cota Camada 7 (m)			10,648	10,748	10,848			
Cota (m)	10,623	10,838	10,248	10,348	10,448	10,459	11,161	
E	709,635.4362	709,635.4476	709,635.4830	709,635.6598	709,635.8367	709,635.8578	709,635.9497	
N	7,089,219.9812	7,089,219.6602	7,089,218.6609	7,089,213.6640	7,089,208.6673	7,089,208.0696	7,089,205.4753	

Station: 10+0

Dist.eixo (m)	-6,450	-6,000	-5,000	0,000	5,000	5,598	8,325	
Cota Camada 1 (m)			10,799	10,899	10,999			
Cota Camada 6 (m)			10,759	10,859	10,959			
Cota Camada 7 (m)			10,589	10,689	10,789			
Cota (m)	10,479	10,779	10,189	10,289	10,389	10,401	11,106	
E	709,645.4254	709,645.4413	709,645.4767	709,645.6536	709,645.8304	709,645.8516	709,645.9481	
N	7,089,220.4642	7,089,220.0140	7,089,219.0146	7,089,214.0177	7,089,209.0210	7,089,208.4233	7,089,205.6975	

Station: 10+10

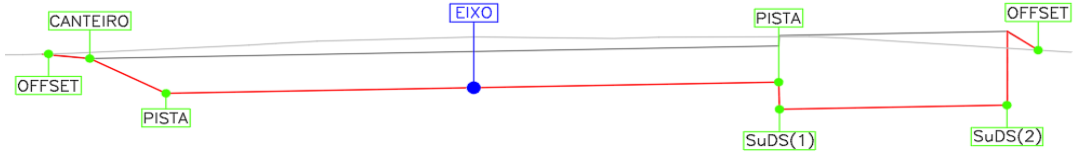
Dist.eixo (m)	-6,515	-6,000	-5,000	0,000	5,000	5,598	8,281	
Cota Camada 1 (m)			10,741	10,841	10,941			
Cota Camada 6 (m)			10,701	10,801	10,901			
Cota Camada 7 (m)			10,531	10,631	10,731			
Cota (m)	10,378	10,721	10,131	10,231	10,331	10,343	11,046	
E	709,655.4169	709,655.4351	709,655.4704	709,655.6473	709,655.8242	709,655.8453	709,655.9403	
N	7,089,220.8821	7,089,220.3677	7,089,219.3684	7,089,214.3715	7,089,209.3747	7,089,208.7771	7,089,206.0952	

Station: 11+0

Dist.eixo (m)	-6,366	-6,000	-5,000	0,000	5,000	5,598	8,237	
Cota Camada 1 (m)			10,683	10,783	10,883			
Cota Camada 6 (m)			10,643	10,743	10,843			
Cota Camada 7 (m)			10,473	10,573	10,673			
Cota (m)	10,419	10,663	10,073	10,173	10,273	10,285	10,987	
E	709,665.4159	709,665.4288	709,665.4642	709,665.6410	709,665.8179	709,665.8391	709,665.9324	
N	7,089,221.0873	7,089,220.7215	7,089,219.7221	7,089,214.7252	7,089,209.7285	7,089,209.1308	7,089,206.4929	

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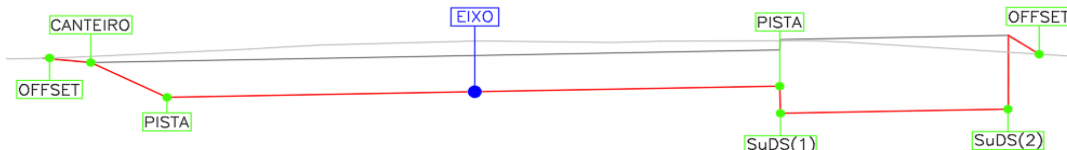
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	CANTEIRO	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 11+10								
Dist.eixo (m)			-7,050	0,000	5,000	5,598	8,199	
Cota Camada 1 (m)			10,583	10,724	10,824			
Cota Camada 6 (m)			10,543	10,684	10,784			
Cota Camada 7 (m)			10,373	10,514	10,614			
Cota (m)			9,973	10,114	10,214	10,225	10,928	
E			709,675.3854	709,675.6348	709,675.8117	709,675.8328	709,675.9248	
N			7,089,222.1241	7,089,215.0790	7,089,210.0824	7,089,209.4845	7,089,206.8850	
Station: 12+0								
Dist.eixo (m)			-10,180	0,000	5,000	5,598	8,182	8,877
Cota Camada 1 (m)			10,463	10,666	10,766			
Cota Camada 6 (m)			10,423	10,626	10,726			
Cota Camada 7 (m)			10,253	10,456	10,556			
Cota (m)			9,853	10,056	10,156	10,167	10,870	10,516
E			709,685.2684	709,685.6285	709,685.8054	709,685.8266	709,685.9180	709,685.9426
N			7,089,225.6066	7,089,215.4327	7,089,210.4362	7,089,209.8383	7,089,207.2559	7,089,206.5611
Station: 12+10								
Dist.eixo (m)	-6,149	-6,000	-5,000	0,000	5,000	5,510	8,165	
Cota Camada 1 (m)			10,508	10,608	10,708			
Cota Camada 6 (m)			10,468	10,568	10,668			
Cota Camada 7 (m)			10,288	10,388	10,488			
Cota (m)	10,389	10,488	9,988	10,088	10,188	10,198	10,811	
E	709,695.4048	709,695.4100	709,695.4454	709,695.6223	709,695.7991	709,695.8172	709,695.9111	
N	7,089,221.9316	7,089,221.7827	7,089,220.7833	7,089,215.7865	7,089,210.7897	7,089,210.2802	7,089,207.6267	
Station: 13+0								
Dist.eixo (m)	-6,246	-6,000	-5,000	0,000	5,000	5,510	8,148	8,617
Cota Camada 1 (m)			10,466	10,566	10,666			
Cota Camada 6 (m)			10,426	10,526	10,626			
Cota Camada 7 (m)			10,246	10,346	10,446			
Cota (m)	10,282	10,446	9,946	10,046	10,146	10,156	10,768	10,566
E	709,705.3951	709,705.4038	709,705.4391	709,705.6160	709,705.7929	709,705.8109	709,705.9042	709,705.9208
N	7,089,222.3820	7,089,222.1365	7,089,221.1371	7,089,216.1402	7,089,211.1434	7,089,210.6339	7,089,207.9975	7,089,207.5290
Station: 13+10								
Dist.eixo (m)	-6,700	-6,000	-5,000	0,000	5,000	5,510	8,131	8,652
Cota Camada 1 (m)			10,455	10,555	10,655			
Cota Camada 6 (m)			10,415	10,515	10,615			
Cota Camada 7 (m)			10,235	10,335	10,435			
Cota (m)	9,968	10,435	9,935	10,035	10,135	10,145	10,758	10,520
E	709,715.3727	709,715.3975	709,715.4329	709,715.6098	709,715.7866	709,715.8047	709,715.8974	709,715.9158
N	7,089,223.1902	7,089,222.4902	7,089,221.4908	7,089,216.4940	7,089,211.4972	7,089,210.9877	7,089,208.3684	7,089,207.8473
Station: 14+0								
Dist.eixo (m)	-6,935	-6,000	-5,000	0,000	5,000	5,510	8,114	8,654
Cota Camada 1 (m)			10,461	10,561	10,661			
Cota Camada 6 (m)			10,421	10,521	10,621			
Cota Camada 7 (m)			10,241	10,341	10,441			
Cota (m)	9,817	10,441	9,941	10,041	10,141	10,151	10,763	10,512
E	709,725.3582	709,725.3912	709,725.4266	709,725.6035	709,725.7804	709,725.7984	709,725.8905	709,725.9096
N	7,089,223.7782	7,089,222.8440	7,089,221.8446	7,089,216.8477	7,089,211.8509	7,089,211.3414	7,089,208.7392	7,089,208.1988
Station: 14+10								
Dist.eixo (m)	-6,974	-6,000	-5,000	0,000	5,000	5,510	8,096	8,515
Cota Camada 1 (m)			10,466	10,566	10,666			
Cota Camada 6 (m)			10,426	10,526	10,626			
Cota Camada 7 (m)			10,246	10,346	10,446			
Cota (m)	9,797	10,446	9,946	10,046	10,146	10,156	10,768	10,599
E	709,735.3505	709,735.3850	709,735.4204	709,735.5972	709,735.7741	709,735.7921	709,735.8836	709,735.8985
N	7,089,224.1714	7,089,223.1977	7,089,222.1983	7,089,217.2015	7,089,212.2046	7,089,211.6952	7,089,209.1100	7,089,208.6913
Station: 15+0								
Dist.eixo (m)	-6,903	-6,000	-5,000	0,000	5,000	5,510	8,079	8,674
Cota Camada 1 (m)			10,472	10,572	10,672			
Cota Camada 6 (m)			10,432	10,532	10,632			
Cota Camada 7 (m)			10,252	10,352	10,452			
Cota (m)	9,849	10,452	9,952	10,052	10,152	10,162	10,773	10,487

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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	CAANTEIRO	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
E	709,745.3468	709,745.3787	709,745.4141	709,745.5910	709,745.7679	709,745.7859	709,745.8768	709,745.8978
N	7,089,224.4544	7,089,223.5514	7,089,222.5521	7,089,217.5552	7,089,212.5584	7,089,212.0489	7,089,209.4809	7,089,208.8867

Station: 15+10

Dist.eixo (m)	-6,603	-6,000	-5,000	0,000	5,000	5,510	8,062	8,753
Cota Camada 1 (m)			10,477	10,577	10,677			
Cota Camada 6 (m)			10,437	10,537	10,637			
Cota Camada 7 (m)			10,257	10,357	10,457			
Cota (m)	10,055	10,457	9,957	10,057	10,157	10,167	10,778	10,427
E	709,755.3512	709,755.3725	709,755.4078	709,755.5847	709,755.7616	709,755.7796	709,755.8699	709,755.8944
N	7,089,224.5076	7,089,223.9052	7,089,222.9058	7,089,217.9089	7,089,212.9121	7,089,212.4026	7,089,209.8517	7,089,209.1610

Station: 16+0

Dist.eixo (m)	-6,443	-6,000	-5,000	0,000	5,000	5,510	8,045	
Cota Camada 1 (m)			10,483	10,583	10,683			
Cota Camada 6 (m)			10,443	10,543	10,643			
Cota Camada 7 (m)			10,263	10,363	10,463			
Cota (m)	10,167	10,463	9,963	10,063	10,163	10,173	10,783	
E	709,765.3505	709,765.3662	709,765.4016	709,765.5785	709,765.7553	709,765.7734	709,765.8631	
N	7,089,224.7018	7,089,224.2589	7,089,223.2596	7,089,218.2627	7,089,213.2658	7,089,212.7564	7,089,210.2225	

Station: 16+10

Dist.eixo (m)	-6,443	-6,000	-5,000	0,000	5,000	5,510	8,028	
Cota Camada 1 (m)			10,488	10,588	10,688			
Cota Camada 6 (m)			10,448	10,548	10,648			
Cota Camada 7 (m)			10,268	10,368	10,468			
Cota (m)	10,173	10,468	9,968	10,068	10,168	10,178	10,788	
E	709,775.3443	709,775.3600	709,775.3953	709,775.5722	709,775.7491	709,775.7671	709,775.8562	
N	7,089,225.0550	7,089,224.6127	7,089,223.6133	7,089,218.6164	7,089,213.6196	7,089,213.1101	7,089,210.5934	

Station: 17+0

Dist.eixo (m)	-6,574	-6,000	-5,000	0,000	5,000	5,510	8,011	8,863
Cota Camada 1 (m)			10,494	10,594	10,694			
Cota Camada 6 (m)			10,454	10,554	10,654			
Cota Camada 7 (m)			10,274	10,374	10,474			
Cota (m)	10,091	10,474	9,974	10,074	10,174	10,184	10,794	10,336
E	709,785.3334	709,785.3537	709,785.3891	709,785.5659	709,785.7428	709,785.7609	709,785.8493	709,785.8795
N	7,089,225.5401	7,089,224.9664	7,089,223.9671	7,089,218.9702	7,089,213.9733	7,089,213.4638	7,089,210.9642	7,089,210.1130

Station: 17+10

Dist.eixo (m)	-6,652	-6,000	-5,000	0,000	5,000			
Cota Camada 1 (m)			10,499	10,599	10,699			
Cota Camada 6 (m)			10,459	10,559	10,659			
Cota Camada 7 (m)			10,279	10,379	10,479			
Cota (m)	10,044	10,479	9,979	10,079	10,179			
E	709,795.3119	709,795.3361	709,795.3734	709,795.5594	709,795.7455			
N	7,089,225.9779	7,089,225.3264	7,089,224.3271	7,089,219.3305	7,089,214.3340			

Station: 18+0

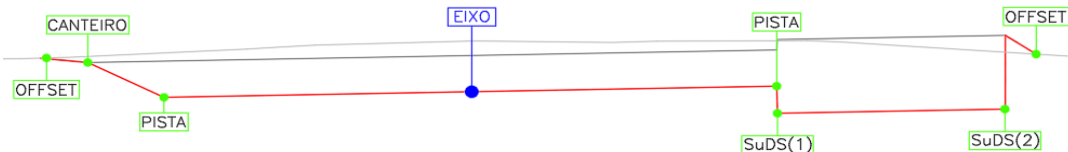
Dist.eixo (m)	-6,497	-6,000	-5,000	0,000	5,000			
Cota Camada 1 (m)			10,504	10,604	10,704			
Cota Camada 6 (m)			10,464	10,564	10,664			
Cota Camada 7 (m)			10,284	10,384	10,484			
Cota (m)	10,153	10,484	9,984	10,084	10,184			
E	709,805.3107	709,805.3292	709,805.3664	709,805.5525	709,805.7386			
N	7,089,226.1957	7,089,225.6986	7,089,224.6992	7,089,219.7027	7,089,214.7062			

Station: 18+10

Dist.eixo (m)	-6,455	-6,000	-5,000	0,000	5,000			
Cota Camada 1 (m)			10,510	10,610	10,710			
Cota Camada 6 (m)			10,470	10,570	10,670			
Cota Camada 7 (m)			10,290	10,390	10,490			
Cota (m)	10,187	10,490	9,990	10,090	10,190			
E	709,815.3053	709,815.3223	709,815.3595	709,815.5456	709,815.7317			
N	7,089,226.5252	7,089,226.0707	7,089,225.0714	7,089,220.0749	7,089,215.0785			

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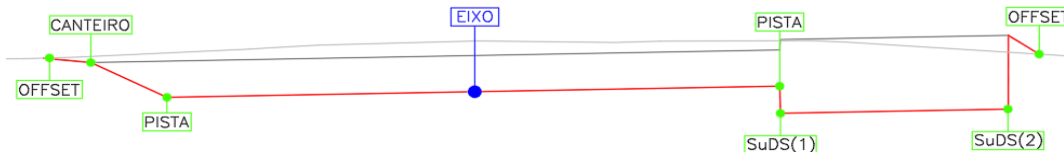
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	CANTEIRO	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 19+0								
Dist.eixo (m)	-6,531	-6,000	-5,000	0,000	5,000	5,510	7,982	
Cota Camada 1 (m)			10,515	10,615	10,715			
Cota Camada 6 (m)			10,475	10,575	10,675			
Cota Camada 7 (m)			10,295	10,395	10,495			
Cota (m)	10,141	10,495	9,995	10,095	10,195	10,206	10,815	
E	709,825.3239	709,825.3415	709,825.3746	709,825.5400	709,825.7055	709,825.7224	709,825.8042	
N	7,089,226.9355	7,089,226.4045	7,089,225.4051	7,089,220.4078	7,089,215.4105	7,089,214.9010	7,089,212.4297	
Station: 19+10								
Dist.eixo (m)	-6,570	-6,000	-5,000	0,000	5,000	5,510	7,965	7,993
Cota Camada 1 (m)			10,521	10,621	10,721			
Cota Camada 6 (m)			10,481	10,581	10,681			
Cota Camada 7 (m)			10,301	10,401	10,501			
Cota (m)	10,121	10,501	10,001	10,101	10,201	10,211	10,820	10,912
E	709,835.3172	709,835.3360	709,835.3691	709,835.5346	709,835.7000	709,835.7169	709,835.7981	709,835.7990
N	7,089,227.3049	7,089,226.7354	7,089,225.7360	7,089,220.7387	7,089,215.7414	7,089,215.2319	7,089,212.7781	7,089,212.7504
Station: 20+0								
Dist.eixo (m)	-6,235	-6,000	-5,000	0,000	5,000	5,510	7,921	7,982
Cota Camada 1 (m)			10,526	10,626	10,726			
Cota Camada 6 (m)			10,486	10,586	10,686			
Cota Camada 7 (m)			10,306	10,406	10,506			
Cota (m)	10,349	10,506	10,006	10,106	10,206	10,217	10,825	10,996
E	709,845.3228	709,845.3306	709,845.3636	709,845.5291	709,845.6945	709,845.7114	709,845.7912	709,845.7932
N	7,089,227.3016	7,089,227.0663	7,089,226.0668	7,089,221.0696	7,089,216.0723	7,089,215.5628	7,089,213.1528	7,089,213.0918
Station: 20+10								
Dist.eixo (m)	-6,022	-5,998	-4,998	0,000	5,012	5,522	7,868	7,937
Cota Camada 1 (m)			10,532	10,632	10,732			
Cota Camada 6 (m)			10,492	10,592	10,692			
Cota Camada 7 (m)			10,312	10,412	10,512			
Cota (m)	10,536	10,512	10,012	10,112	10,212	10,222	10,829	11,008
E	709,855.2593	709,855.2603	709,855.3041	709,855.5232	709,855.7428	709,855.7652	709,855.8680	709,855.8710
N	7,089,227.4281	7,089,227.4042	7,089,226.4051	7,089,221.4120	7,089,216.4050	7,089,215.8957	7,089,213.5515	7,089,213.4830
Station: 21+0								
Dist.eixo (m)	-6,052	-5,988	-4,988	0,000	5,274			
Cota Camada 1 (m)			10,538	10,637	10,743			
Cota Camada 6 (m)			10,498	10,597	10,703			
Cota Camada 7 (m)			10,318	10,417	10,523			
Cota (m)	10,524	10,518	10,018	10,117	10,223			
E	709,864.9313	709,864.9374	709,865.0311	709,865.4985	709,865.9927			
N	7,089,228.1256	7,089,228.0611	7,089,227.0655	7,089,222.0998	7,089,216.8485			
Station: 21+10								
Dist.eixo (m)	-6,401	-5,947	-4,947	0,000	5,283			
Cota Camada 1 (m)			10,544	10,643	10,749			
Cota Camada 6 (m)			10,504	10,603	10,709			
Cota Camada 7 (m)			10,324	10,423	10,529			
Cota (m)	10,569	10,524	10,024	10,123	10,229			
E	709,874.5390	709,874.6020	709,874.7408	709,875.4272	709,876.1603			
N	7,089,229.6220	7,089,229.1722	7,089,228.1819	7,089,223.2832	7,089,218.0515			
Station: 22+0								
Dist.eixo (m)	-6,021	-5,934	-4,934	0,000	5,313			
Cota Camada 1 (m)			10,549	10,647	10,754			
Cota Camada 6 (m)			10,509	10,607	10,714			
Cota Camada 7 (m)			10,329	10,427	10,534			
Cota (m)	10,537	10,529	10,029	10,127	10,234			
E	709,884.8834	709,884.8902	709,884.9681	709,885.3526	709,885.7667			
N	7,089,230.4873	7,089,230.4010	7,089,229.4040	7,089,224.4849	7,089,219.1880			
Station: 22+10								
Dist.eixo (m)	-6,272	-6,000	-5,000	0,000	5,003	5,513	6,927	
Cota Camada 1 (m)			10,542	10,642	10,742			
Cota Camada 6 (m)			10,502	10,602	10,702			
Cota Camada 7 (m)			10,322	10,422	10,522			
Cota (m)	10,341	10,522	10,022	10,122	10,222	10,232	10,821	

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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	CANTEIRO	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
E	709,895.0871	709,895.0981	709,895.1385	709,895.3407	709,895.5431	709,895.5637	709,895.6209	
N	7,089,231.2263	7,089,230.9550	7,089,229.9558	7,089,224.9597	7,089,219.9609	7,089,219.4515	7,089,218.0379	

Station: 23+0

Dist.eixo (m)	-6,973	-6,000	-5,000	0,000	5,002	5,512	7,032	
Cota Camada 1 (m)			10,527	10,627	10,727			
Cota Camada 6 (m)			10,487	10,587	10,687			
Cota Camada 7 (m)			10,307	10,407	10,507			
Cota (m)	9,858	10,507	10,007	10,107	10,207	10,217	10,807	
E	709,905.0505	709,905.0899	709,905.1303	709,905.3326	709,905.5349	709,905.5555	709,905.6169	
N	7,089,232.3315	7,089,231.3594	7,089,230.3602	7,089,225.3642	7,089,220.3660	7,089,219.8566	7,089,218.3380	

Station: 23+10

Dist.eixo (m)	-6,938	-6,000	-5,000	0,000	5,002	5,511	7,100	7,155
Cota Camada 1 (m)			10,509	10,609	10,709			
Cota Camada 6 (m)			10,469	10,569	10,669			
Cota Camada 7 (m)			10,289	10,389	10,489			
Cota (m)	9,864	10,489	9,989	10,089	10,189	10,199	10,791	10,864
E	709,915.0438	709,915.0817	709,915.1221	709,915.3244	709,915.5267	709,915.5473	709,915.6115	709,915.6138
N	7,089,232.7008	7,089,231.7638	7,089,230.7646	7,089,225.7686	7,089,220.7711	7,089,220.2617	7,089,218.6742	7,089,218.6193

Station: 24+0

Dist.eixo (m)	-6,569	-6,000	-5,000	0,000	5,001	5,511	7,054	7,060
Cota Camada 1 (m)			10,491	10,591	10,691			
Cota Camada 6 (m)			10,451	10,551	10,651			
Cota Camada 7 (m)			10,271	10,371	10,471			
Cota (m)	10,092	10,471	9,971	10,071	10,171	10,182	10,772	10,888
E	709,925.0505	709,925.0735	709,925.1140	709,925.3162	709,925.5184	709,925.5391	709,925.6015	709,925.6017
N	7,089,232.7371	7,089,232.1682	7,089,231.1690	7,089,226.1731	7,089,221.1762	7,089,220.6668	7,089,219.1249	7,089,219.1191

Station: 24+10

Dist.eixo (m)	-6,444	-6,000	-5,000	0,000	5,000	5,510	7,004	7,338
Cota Camada 1 (m)			10,474	10,574	10,674			
Cota Camada 6 (m)			10,434	10,534	10,634			
Cota Camada 7 (m)			10,254	10,354	10,454			
Cota (m)	10,158	10,454	9,954	10,054	10,154	10,164	10,754	10,641
E	709,935.0474	709,935.0653	709,935.1058	709,935.3080	709,935.5102	709,935.5309	709,935.5913	709,935.6048
N	7,089,233.0164	7,089,232.5726	7,089,231.5734	7,089,226.5775	7,089,221.5813	7,089,221.0719	7,089,219.5794	7,089,219.2453

Station: 25+0

Dist.eixo (m)	-6,370	-6,000	-5,000	0,000	5,000			
Cota Camada 1 (m)			10,456	10,556	10,656			
Cota Camada 6 (m)			10,416	10,516	10,616			
Cota Camada 7 (m)			10,236	10,336	10,436			
Cota (m)	10,190	10,436	9,936	10,036	10,136			
E	709,945.0264	709,945.0422	709,945.0851	709,945.2992	709,945.5134			
N	7,089,233.3600	7,089,232.9908	7,089,231.9917	7,089,226.9963	7,089,222.0009			

Station: 25+10

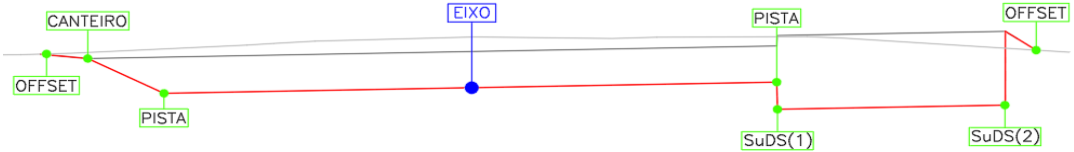
Dist.eixo (m)	-6,377	-6,000	-5,000	0,000	5,000			
Cota Camada 1 (m)			10,452	10,552	10,652			
Cota Camada 6 (m)			10,412	10,512	10,612			
Cota Camada 7 (m)			10,232	10,332	10,432			
Cota (m)	10,181	10,432	9,932	10,032	10,132			
E	709,955.0169	709,955.0331	709,955.0759	709,955.2900	709,955.5042			
N	7,089,233.7958	7,089,233.4191	7,089,232.4201	7,089,227.4246	7,089,222.4292			

Station: 26+0

Dist.eixo (m)	-6,250	-6,000	-5,000	0,000	5,000	5,510	7,203	
Cota Camada 1 (m)			10,472	10,572	10,672			
Cota Camada 6 (m)			10,432	10,532	10,632			
Cota Camada 7 (m)			10,252	10,352	10,452			
Cota (m)	10,285	10,452	9,952	10,052	10,152	10,162	10,756	
E	709,965.0782	709,965.0863	709,965.1189	709,965.2817	709,965.4445	709,965.4610	709,965.5162	
N	7,089,234.0791	7,089,233.8286	7,089,232.8291	7,089,227.8320	7,089,222.8347	7,089,222.3251	7,089,220.6326	

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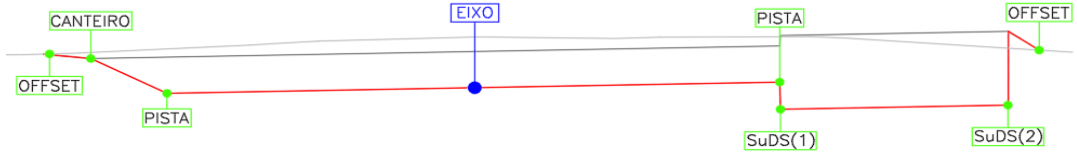
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	CANTEIRO	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 26+10								
Dist.eixo (m)	-6,125	-6,000	-5,000	0,000	5,000	5,510	7,006	
Cota Camada 1 (m)			10,502	10,602	10,702			
Cota Camada 6 (m)			10,462	10,562	10,662			
Cota Camada 7 (m)			10,282	10,382	10,482			
Cota (m)	10,399	10,482	9,982	10,082	10,182	10,193	10,782	
E	709,975.0769	709,975.0810	709,975.1136	709,975.2764	709,975.4391	709,975.4557	709,975.5045	
N	7,089,234.2795	7,089,234.1542	7,089,233.1547	7,089,228.1576	7,089,223.1603	7,089,222.6507	7,089,221.1552	
Station: 27+0								
Dist.eixo (m)		-6,000	-5,000	0,000	5,000	5,510	6,932	
Cota Camada 1 (m)			10,533	10,633	10,733			
Cota Camada 6 (m)			10,493	10,593	10,693			
Cota Camada 7 (m)			10,313	10,413	10,513			
Cota (m)		10,513	10,013	10,113	10,213	10,223	10,811	
E		709,985.0757	709,985.1083	709,985.2711	709,985.4338	709,985.4504	709,985.4967	
N		7,089,234.4800	7,089,233.4804	7,089,228.4832	7,089,223.4858	7,089,222.9763	7,089,221.5550	
Station: 27+10								
Dist.eixo (m)	-6,066	-6,000	-5,000	0,000	5,000	5,510	6,870	
Cota Camada 1 (m)			10,563	10,663	10,763			
Cota Camada 6 (m)			10,523	10,623	10,723			
Cota Camada 7 (m)			10,343	10,443	10,543			
Cota (m)	10,609	10,543	10,043	10,143	10,243	10,253	10,840	
E	709,995.0682	709,995.0704	709,995.1030	709,995.2658	709,995.4285	709,995.4451	709,995.4894	
N	7,089,234.8718	7,089,234.8055	7,089,233.8060	7,089,228.8088	7,089,223.8114	7,089,223.3019	7,089,221.9428	
Station: 28+0								
Dist.eixo (m)	-6,035	-6,000	-5,000	0,000	5,000	5,510	7,010	7,061
Cota Camada 1 (m)			10,593	10,693	10,793			
Cota Camada 6 (m)			10,553	10,653	10,753			
Cota Camada 7 (m)			10,373	10,473	10,573			
Cota (m)	10,609	10,573	10,073	10,173	10,273	10,284	10,873	10,950
E	710,005.0639	710,005.0651	710,005.0977	710,005.2605	710,005.4232	710,005.4398	710,005.4887	710,005.4903
N	7,089,235.1666	7,089,235.1311	7,089,234.1317	7,089,229.1344	7,089,224.1370	7,089,223.6275	7,089,222.1277	7,089,222.0774
Station: 28+10								
Dist.eixo (m)	-6,037	-6,000	-5,000	0,000	4,999			
Cota Camada 1 (m)			10,624	10,724	10,824			
Cota Camada 6 (m)			10,584	10,684	10,784			
Cota Camada 7 (m)			10,404	10,504	10,604			
Cota (m)	10,579	10,604	10,104	10,204	10,304			
E	710,015.0501	710,015.0513	710,015.0853	710,015.2550	710,015.4247			
N	7,089,235.4990	7,089,235.4617	7,089,234.4623	7,089,229.4651	7,089,224.4686			
Station: 29+0								
Dist.eixo (m)	-6,461	-6,000	-5,000	0,000	4,998			
Cota Camada 1 (m)			10,654	10,754	10,854			
Cota Camada 6 (m)			10,614	10,714	10,814			
Cota Camada 7 (m)			10,434	10,534	10,634			
Cota (m)	10,327	10,634	10,134	10,234	10,334			
E	710,025.0299	710,025.0456	710,025.0795	710,025.2492	710,025.4189			
N	7,089,236.2617	7,089,235.8011	7,089,234.8017	7,089,229.8046	7,089,224.8090			
Station: 29+10								
Dist.eixo (m)	-6,773	-6,000	-5,000	0,000	4,998	5,508	6,999	7,044
Cota Camada 1 (m)			10,684	10,784	10,884			
Cota Camada 6 (m)			10,644	10,744	10,844			
Cota Camada 7 (m)			10,464	10,564	10,664			
Cota (m)	10,149	10,664	10,164	10,264	10,364	10,374	10,964	11,044
E	710,035.0136	710,035.0398	710,035.0738	710,035.2435	710,035.4131	710,035.4304	710,035.4810	710,035.4825
N	7,089,236.9133	7,089,236.1405	7,089,235.1411	7,089,230.1440	7,089,225.1483	7,089,224.6388	7,089,223.1491	7,089,223.1040

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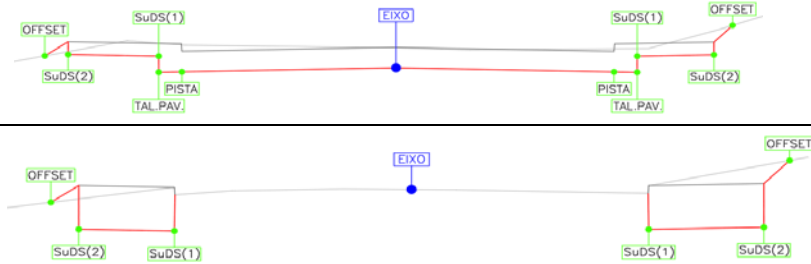
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	CANTEIRO	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 30+0								
Dist.eixo (m)	-6,957	-6,000	-5,000	0,000	5,000	5,510	7,000	
Cota Camada 1 (m)			10,715	10,815	10,915			
Cota Camada 6 (m)			10,675	10,775	10,875			
Cota Camada 7 (m)			10,495	10,595	10,695			
Cota (m)	10,057	10,695	10,195	10,295	10,395	10,405	10,994	
E	710,045.0164	710,045.0469	710,045.0788	710,045.2383	710,045.3978	710,045.4140	710,045.4616	
N	7,089,237.4191	7,089,236.4628	7,089,235.4633	7,089,230.4659	7,089,225.4684	7,089,224.9589	7,089,223.4694	
Station: 30+10								
Dist.eixo (m)	-6,605	-6,000	-5,000	0,000	5,000	5,510	7,000	
Cota Camada 1 (m)			10,745	10,845	10,945			
Cota Camada 6 (m)			10,705	10,805	10,905			
Cota Camada 7 (m)			10,525	10,625	10,725			
Cota (m)	10,322	10,725	10,225	10,325	10,425	10,435	11,025	
E	710,055.0225	710,055.0418	710,055.0737	710,055.2332	710,055.3927	710,055.4089	710,055.4565	
N	7,089,237.3863	7,089,236.7818	7,089,235.7823	7,089,230.7849	7,089,225.7874	7,089,225.2779	7,089,223.7884	
Station: 30+14								
Dist.eixo (m)	-6,364	-6,000	-5,000	0,000	5,000	5,510	7,000	
Cota Camada 1 (m)			10,759	10,859	10,959			
Cota Camada 6 (m)			10,719	10,819	10,919			
Cota Camada 7 (m)			10,539	10,639	10,739			
Cota (m)	10,497	10,739	10,239	10,339	10,439	10,449	11,039	
E	710,059.7265	710,059.7381	710,059.7700	710,059.9295	710,060.0890	710,060.1053	710,060.1528	
N	7,089,237.2951	7,089,236.9317	7,089,235.9322	7,089,230.9347	7,089,225.9373	7,089,225.4277	7,089,223.9383	

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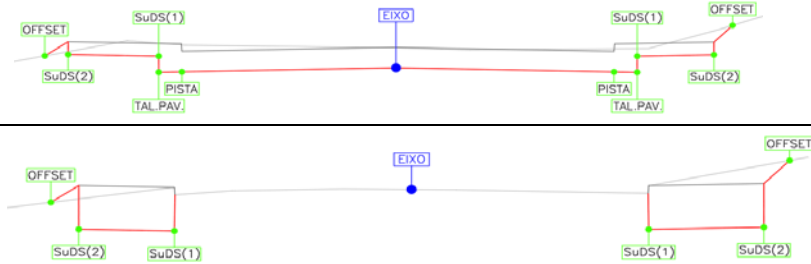
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):		-7,956	-5,431	-5,431	-5,002	0,000	5,000	5,429	5,429	7,638	
Cota (m):		13,766	13,715	13,588	13,597	13,697	13,597	13,588	13,715	13,759	
E:		708.313,2648	708.313,3534	708.313,3534	708.313,3684	708.313,5439	708.313,7194	708.313,7344	708.313,7344	708.313,8119	
N:		7.090.209,5466	7.090.207,0232	7.090.207,0232	7.090.206,5947	7.090.201,5954	7.090.196,5985	7.090.196,1702	7.090.196,1702	7.090.193,9619	
Station: 0+10											
Dist. Eixo (m):		-8,053	-5,377	-5,377	-4,948	0,000	5,230	5,659	5,659	7,619	
Cota (m):		13,525	13,472	13,344	13,353	13,452	13,347	13,339	13,466	13,505	
E:		708.323,2553	708.323,3491	708.323,3491	708.323,3642	708.323,5378	708.323,7213	708.323,7363	708.323,7363	708.323,8051	
N:		7.090.209,9945	7.090.207,3197	7.090.207,3197	7.090.206,8912	7.090.201,9463	7.090.196,7192	7.090.196,2909	7.090.196,2909	7.090.194,3322	
Station: 1+0											
Dist. Eixo (m):		-8,533	-5,743	-5,743	-5,314	0,000	5,806	6,235	6,235	8,358	
Cota (m):		13,312	13,256	13,129	13,138	13,244	13,128	13,119	13,247	13,289	
E:		708.333,2322	708.333,3302	708.333,3302	708.333,3452	708.333,5316	708.333,7353	708.333,7504	708.333,7504	708.333,8249	
N:		7.090.210,8252	7.090.208,0362	7.090.208,0362	7.090.207,6077	7.090.202,2971	7.090.196,4947	7.090.196,0664	7.090.196,0664	7.090.193,9443	
Station: 1+5											
Dist. Eixo (m):		-12,862	-11,526	-11,526	-11,097	0,000					
Cota (m):		13,127	13,100	12,973	12,982	13,204					
E:		708.338,3521	708.338,3990	708.338,3990	708.338,4141	708.338,8034					
N:		7.090.215,3367	7.090.214,0007	7.090.214,0007	7.090.213,5722	7.090.202,4822					
Station: 1+13											
Dist. Eixo (m):		-6,200	-5,429	-5,429	-5,000	0,000	10,000				
Cota (m):		13,222	13,206	13,079	13,088	13,188	12,988				
E:		708.346,6089	708.346,6360	708.346,6360	708.346,6510	708.346,8264	708.347,1773				
N:		7.090.208,9600	7.090.208,1893	7.090.208,1893	7.090.207,7608	7.090.202,7638	7.090.192,7700				
Station: 2+0											
Dist. Eixo (m):		-8,590	-5,772	-5,772	-5,344	0,000	4,868	5,297	5,297	8,122	
Cota (m):		13,284	13,228	13,100	13,109	13,216	13,119	13,110	13,238	13,294	
E:		708.353,2179	708.353,3168	708.353,3168	708.353,3318	708.353,5193	708.353,6901	708.353,7052	708.353,7052	708.353,8043	
N:		7.090.211,5837	7.090.208,7675	7.090.208,7675	7.090.208,3390	7.090.202,9988	7.090.198,1334	7.090.197,7050	7.090.197,7050	7.090.194,8818	
Station: 2+10											
Dist. Eixo (m):		-8,177	-5,637	-5,637	-5,208	0,000	4,792	5,220	5,220	7,792	
Cota (m):		13,323	13,272	13,145	13,154	13,258	13,162	13,154	13,281	13,332	
E:		708.363,2263	708.363,3154	708.363,3154	708.363,3304	708.363,5132	708.363,6813	708.363,6963	708.363,6963	708.363,7865	
N:		7.090.211,5220	7.090.208,9833	7.090.208,9833	7.090.208,5548	7.090.203,3496	7.090.198,5609	7.090.198,1326	7.090.198,1326	7.090.195,5627	
Station: 3+0											
Dist. Eixo (m):		-8,203	-5,612	-5,612	-5,183	0,000	4,817	5,245	5,245	7,817	
Cota (m):		13,367	13,315	13,187	13,196	13,300	13,204	13,195	13,322	13,373	
E:		708.373,2190	708.373,3101	708.373,3101	708.373,3252	708.373,5070	708.373,6760	708.373,6910	708.373,6910	708.373,7812	
N:		7.090.211,9036	7.090.209,3091	7.090.209,3091	7.090.208,8806	7.090.203,7005	7.090.198,8867	7.090.198,4584	7.090.198,4584	7.090.195,8886	
Station: 3+10											
Dist. Eixo (m):		-8,129	-5,587	-5,587	-5,158	0,000	4,842	5,270	5,270	7,842	
Cota (m):		13,408	13,357	13,230	13,239	13,342	13,245	13,237	13,364	13,415	
E:		708.383,2157	708.383,3048	708.383,3048	708.383,3199	708.383,5008	708.383,6707	708.383,6857	708.383,6857	708.383,7760	
N:		7.090.212,1751	7.090.209,6350	7.090.209,6350	7.090.209,2065	7.090.204,0513	7.090.199,2126	7.090.198,7843	7.090.198,7843	7.090.196,2144	
Station: 4+0											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					13,284	13,384	13,284				
E:					708.393,3193	708.393,4947	708.393,6701				
N:					7.090.209,3990	7.090.204,4021	7.090.199,4052				
Station: 4+10											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					13,326	13,426	13,326				
E:					708.403,3131	708.403,4885	708.403,6640				
N:					7.090.209,7499	7.090.204,7530	7.090.199,7560				
Station: 5+0											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					13,356	13,456	13,356				
E:					708.413,3070	708.413,4824	708.413,6578				
N:					7.090.210,1007	7.090.205,1038	7.090.200,1069				
Station: 5+10											
Dist. Eixo (m):		-8,023	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	7,876	
Cota (m):		13,501	13,449	13,322	13,331	13,431	13,331	13,322	13,449	13,498	
E:		708.423,1947	708.423,2858	708.423,2858	708.423,3008	708.423,4762	708.423,6516	708.423,6667	708.423,6667	708.423,7525	
N:		7.090.213,4727	7.090.210,8801	7.090.210,8801	7.090.210,4516	7.090.205,4546	7.090.200,4577	7.090.200,0294	7.090.200,0294	7.090.197,5839	
Station: 6+0											
Dist. Eixo (m):		-7,868	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	8,025	
Cota (m):		13,472	13,424	13,296	13,305	13,405	13,305	13,297	13,424	13,476	
E:		708.433,1940	708.433,2796	708.433,2796	708.433,2946	708.433,4701	708.433,6455	708.433,6605	708.433,6605	708.433,7516	
N:		7.090.213,6691	7.090.211,2309	7.090.211,2309	7.090.210,8024	7.090.205,8055	7.090.200,8085	7.090.200,3802	7.090.200,3802	7.090.197,7856	
Station: 6+6											
Dist. Eixo (m):		-7,762	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	7,942	
Cota (m):		13,453	13,406	13,279	13,288	13,388	13,288	13,279	13,406	13,456	
E:		708.440,0771	708.440,1590	708.440,1590	708.440,1740	708.440,3495	708.440,5249	708.440,5399	708.440,5399	708.440,6281	
N:		7.090.213,8043	7.090.211,4724	7.090.211,4724	7.090.211,0439	7.090.206,0470	7.090.201,0500	7.090.200,6217	7.090.200,6217	7.090.198,1101	

PREFEITURA MUNICIPAL DE JOINVILLE
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NOTA DE SERVIÇO
RUA JOÃO C. G. DE OLIVEIRA (T1)

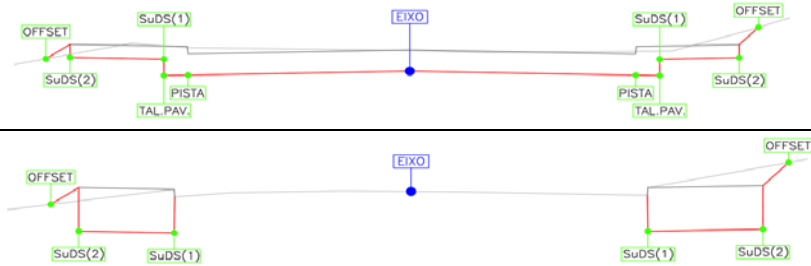
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 6+10											
Dist. Eixo (m):		-7,714	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	7,916	
Cota (m):		13,444	13,398	13,271	13,280	13,380	13,280	13,271	13,398	13,448	
E:		708.443,1933	708.443,2734	708.443,2734	708.443,2885	708.443,4639	708.443,6393	708.443,6544	708.443,6544	708.443,7416	
N:		7.090.213,8654	7.090.211,5817	7.090.211,5817	7.090.211,1532	7.090.206,1563	7.090.201,1594	7.090.200,7311	7.090.200,7311	7.090.198,2451	
Station: 7+0											
Dist. Eixo (m):		-7,555	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	8,237	
Cota (m):		13,415	13,373	13,245	13,254	13,354	13,254	13,246	13,373	13,429	
E:		708.453,1927	708.453,2673	708.453,2673	708.453,2823	708.453,4578	708.453,6332	708.453,6482	708.453,6482	708.453,7467	
N:		7.090.214,0577	7.090.211,9326	7.090.211,9326	7.090.211,5041	7.090.206,5071	7.090.201,5102	7.090.201,0819	7.090.201,0819	7.090.198,2756	
Station: 7+4											
Dist. Eixo (m):		-10,000	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	10,000	
Cota (m):		13,453	13,361	13,234	13,243	13,343	13,243	13,235	13,361	13,453	
E:		708.457,5262	708.457,6866	708.457,6866	708.457,7016	708.457,8770	708.458,0524	708.458,0675	708.458,0675	708.458,2279	
N:		7.090.216,6561	7.090.212,0877	7.090.212,0877	7.090.211,6592	7.090.206,6623	7.090.201,6654	7.090.201,2370	7.090.201,2370	7.090.196,6684	
Station: 8+0											
Dist. Eixo (m):		-7,975	-4,978			0,000			5,781	7,735	
Cota (m):		13,368	13,308						13,292	13,331	
E:		708.473,1656	708.473,2708			708.473,4454			708.473,6482	708.473,7168	
N:		7.090.215,1793	7.090.212,1834			7.090.207,2088			7.090.201,4318	7.090.199,4786	
Station: 8+10											
Dist. Eixo (m):		-7,929	-5,001			0,000			5,085	7,478	
Cota (m):		13,387	13,328						13,327	13,375	
E:		708.483,1611	708.483,2638			708.483,4393			708.483,6177	708.483,7016	
N:		7.090.215,4839	7.090.212,5576			7.090.207,5596			7.090.202,4782	7.090.200,0862	
Station: 9+0											
Dist. Eixo (m):		-7,853	-5,024			0,000			5,064	7,573	
Cota (m):		13,399	13,343						13,342	13,392	
E:		708.493,1576	708.493,2569			708.493,4331			708.493,6108	708.493,6988	
N:		7.090.215,7591	7.090.212,9318			7.090.207,9105			7.090.202,8496	7.090.200,3421	
Station: 9+10											
Dist. Eixo (m):		-8,155	-5,048			0,000			4,984	7,668	
Cota (m):		13,396	13,334						13,336	13,389	
E:		708.503,1409	708.503,2499			708.503,4270			708.503,6018	708.503,6960	
N:		7.090.216,4112	7.090.213,3059			7.090.208,2613			7.090.203,2803	7.090.200,5979	
Station: 11+10											
Dist. Eixo (m):		-7,915	-5,025			0,000			5,007	7,842	
Cota (m):		13,344	13,286						13,286	13,343	
E:		708.543,1246	708.543,2260			708.543,4023			708.543,5780	708.543,6775	
N:		7.090.217,5752	7.090.214,6869			7.090.209,6647			7.090.204,6606	7.090.201,8278	
Station: 12+0											
Dist. Eixo (m):		-7,936	-5,067			0,000			5,003	7,866	
Cota (m):		13,378	13,320						13,322	13,379	
E:		708.553,1178	708.553,2184			708.553,3962			708.553,5717	708.553,6722	
N:		7.090.217,9471	7.090.215,0797			7.090.210,0155			7.090.205,0152	7.090.202,1545	
Station: 12+10											
Dist. Eixo (m):		-7,958	-5,109			0,000			5,000	7,890	
Cota (m):		13,378	13,321						13,323	13,381	
E:		708.563,1109	708.563,2108			708.563,3900			708.563,5654	708.563,6668	
N:		7.090.218,3189	7.090.215,4725			7.090.210,3663			7.090.205,3697	7.090.202,4812	
Station: 13+0											
Dist. Eixo (m):		-7,947	-5,145			0,000			4,996	7,914	
Cota (m):		13,372	13,316						13,319	13,377	
E:		708.573,1051	708.573,2034			708.573,3839			708.573,5592	708.573,6615	
N:		7.090.218,6592	7.090.215,8594			7.090.210,7172			7.090.205,7243	7.090.202,8079	
Station: 13+10											
Dist. Eixo (m):		-7,934	-5,073			0,000			4,995	7,938	
Cota (m):		13,364	13,307						13,309	13,367	
E:		708.583,0994	708.583,1997			708.583,3777			708.583,5530	708.583,6562	
N:		7.090.218,9974	7.090.216,1378			7.090.211,0680			7.090.206,0756	7.090.203,1347	
Station: 13+11											
Dist. Eixo (m):		-7,933	-5,065			0,000			4,996	7,941	
Cota (m):		13,363	13,306						13,307	13,366	
E:		708.584,1937	708.584,2944			708.584,4720			708.584,6473	708.584,7506	
N:		7.090.219,0344	7.090.216,1683			7.090.211,1064			7.090.206,1134	7.090.203,1704	
Station: 14+0											
Dist. Eixo (m):		-7,922	-5,000			0,000			5,000	7,962	
Cota (m):		13,355	13,297						13,297	13,356	
E:		708.593,0937	708.593,1961			708.593,3716			708.593,5470	708.593,6509	
N:		7.090.219,3355	7.090.216,4162			7.090.211,4188			7.090.206,4215	7.090.203,4614	
Station: 14+10											
Dist. Eixo (m):		-7,909	-4,928			0,000			5,005	7,986	
Cota (m):		13,324	13,264						13,263	13,322	
E:		708.603,0879	708.603,1925			708.603,3654			708.603,5410	708.603,6456	
N:		7.090.219,6736	7.090.216,6945			7.090.211,7697			7.090.206,7673	7.090.203,7881	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA JOÃO C. G. DE OLIVEIRA (T2)

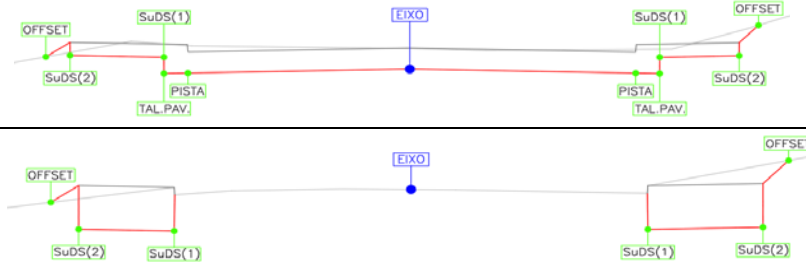
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 15+0											
Dist. Eixo (m):		-12,622	-6,450			0,000			8,200	13,086	
Cota (m):		15,254	15,131						15,096	15,193	
E:		708.840,3187	708.840,5441			708.840,7795			708.841,0789	708.841,2573	
N:		7.090.233,6183	7.090.227,4501			7.090.221,0048			7.090.212,8105	7.090.207,9271	
Station: 15+10											
Dist. Eixo (m):		-7,884	-4,919			0,000			5,138	7,927	
Cota (m):		15,285	15,226						15,221	15,277	
E:		708.850,4851	708.850,5933			708.850,7729			708.850,9605	708.851,0623	
N:		7.090.229,2484	7.090.226,2858			7.090.221,3699			7.090.216,2352	7.090.213,4481	
Station: 15+19											
Dist. Eixo (m):		-7,845	-5,012			0,000			5,071	7,907	
Cota (m):		15,446	15,389						15,388	15,444	
E:		708.860,4798	708.860,5832			708.860,7662			708.860,9513	708.861,0549	
N:		7.090.229,5748	7.090.226,7433			7.090.221,7349			7.090.216,6671	7.090.213,8328	
Station: 16+9											
Dist. Eixo (m):		-7,809	-5,040			0,000			5,010	8,038	
Cota (m):		15,602	15,546						15,547	15,608	
E:		708.869,6237	708.869,7248			708.869,9088			708.870,0917	708.870,2023	
N:		7.090.229,8731	7.090.227,1058			7.090.222,0689			7.090.217,0623	7.090.214,0356	
Station: 16+10											
Dist. Eixo (m):		-7,818	-5,431	-5,431	-5,032	0,000	4,968	5,366	5,366	8,045	
Cota (m):		15,624	15,577	15,481	15,489	15,589	15,490	15,482	15,577	15,631	
E:		708.870,5516	708.870,6152	708.870,6152	708.870,6258	708.870,7598	708.870,8921	708.870,9027	708.870,9027	708.870,9741	
N:		7.090.229,9067	7.090.227,5203	7.090.227,5203	7.090.227,1223	7.090.222,0916	7.090.217,1258	7.090.216,7280	7.090.216,7280	7.090.214,0496	
Station: 16+19											
Dist. Eixo (m):		-7,913	-5,434	-5,434	-5,036	0,000	4,964	5,362	5,362	8,144	
Cota (m):		15,891	15,841	15,745	15,753	15,854	15,755	15,747	15,842	15,898	
E:		708.880,5455	708.880,6115	708.880,6115	708.880,6221	708.880,7563	708.880,8885	708.880,8991	708.880,8991	708.880,9732	
N:		7.090.230,2687	7.090.227,7904	7.090.227,7904	7.090.227,3924	7.090.222,3580	7.090.217,3959	7.090.216,9981	7.090.216,9981	7.090.214,2170	
Station: 17+10											
Dist. Eixo (m):		-8,009	-5,438	-5,438	-5,040	0,000	4,960	5,358	5,358	7,851	
Cota (m):		16,157	16,105	16,010	16,018	16,118	16,019	16,011	16,107	16,157	
E:		708.890,5394	708.890,6079	708.890,6079	708.890,6185	708.890,7527	708.890,8848	708.890,8954	708.890,8954	708.890,9618	
N:		7.090.230,6306	7.090.228,0605	7.090.228,0605	7.090.227,6625	7.090.222,6244	7.090.217,6660	7.090.217,2682	7.090.217,2682	7.090.214,7765	
Station: 17+19											
Dist. Eixo (m):		-13,109	-8,089	-8,089	-7,692	0,000	7,101	7,499	7,499	10,625	
Cota (m):		16,655	16,555	16,459	16,467	16,365	16,236	16,228	16,323	16,386	
E:		708.899,7104	708.899,8442	708.899,8442	708.899,8548	708.900,0600	708.900,2491	708.900,2597	708.900,2597	708.900,3430	
N:		7.090.235,9918	7.090.230,9685	7.090.230,9685	7.090.230,5705	7.090.222,8724	7.090.215,7740	7.090.215,3762	7.090.215,3762	7.090.212,2516	
Station: 18+0											
Dist. Eixo (m):		-13,107	-8,428	-8,428	-8,030	0,000	8,402	8,800	8,800	12,881	
Cota (m):		16,673	16,580	16,484	16,492	16,383	16,267	16,259	16,355	16,437	
E:		708.899,7621	708.900,1139	708.900,1139	708.900,1438	708.900,7475	708.901,3791	708.901,4090	708.901,4090	708.901,7158	
N:		7.090.235,9937	7.090.231,3283	7.090.231,3283	7.090.230,9313	7.090.222,9242	7.090.214,5457	7.090.214,1488	7.090.214,1488	7.090.210,0793	
Station: 18+9											
Dist. Eixo (m):		-10,357	-9,959	-9,959	-9,952	0,000	8,817	9,219	9,219	12,984	
Cota (m):		16,337	16,249	16,249	16,249	16,448	16,272	16,263	16,360	16,435	
E:		708.909,9403	708.909,9702	708.909,9702	708.909,9707	708.910,7189	708.911,3820	708.911,4123	708.911,4123	708.911,6955	
N:		7.090.234,0032	7.090.233,6064	7.090.233,6064	7.090.233,6000	7.090.223,6759	7.090.214,8804	7.090.214,4788	7.090.214,4788	7.090.210,7214	
Station: 18+10											
Dist. Eixo (m):		-12,308	-10,119	-10,119	-9,721	0,000	8,675	9,072	9,072	12,988	
Cota (m):		16,387	16,343	16,247	16,255	16,450	16,276	16,268	16,364	16,442	
E:		708.909,8883	708.910,0529	708.910,0529	708.910,0828	708.910,8136	708.911,4663	708.911,4962	708.911,4962	708.911,7909	
N:		7.090.235,9564	7.090.233,7733	7.090.233,7733	7.090.233,3762	7.090.223,6831	7.090.215,0250	7.090.214,6282	7.090.214,6282	7.090.210,7199	
Station: 19+0											
Dist. Eixo (m):		-7,915	-5,502	-5,502	-5,104	0,000	4,896	5,294	5,294	7,696	
Cota (m):		16,654	16,606	16,510	16,518	16,620	16,522	16,514	16,610	16,658	
E:		708.920,4546	708.920,5335	708.920,5335	708.920,5466	708.920,7136	708.920,8738	708.920,8868	708.920,8868	708.920,9654	
N:		7.090.231,9184	7.090.229,5067	7.090.229,5067	7.090.229,1088	7.090.224,0072	7.090.219,1141	7.090.218,7164	7.090.218,7164	7.090.216,3156	
Station: 19+10											
Dist. Eixo (m):		-7,903	-5,480	-5,480	-5,081	0,000	4,919	5,317	5,317	7,674	
Cota (m):		16,755	16,706	16,611	16,619	16,720	16,622	16,614	16,710	16,757	
E:		708.930,4496	708.930,5289	708.930,5289	708.930,5420	708.930,7082	708.930,8692	708.930,8822	708.930,8822	708.930,9594	
N:		7.090.232,2335	7.090.229,8110	7.090.229,8110	7.090.229,4131	7.090.224,3344	7.090.219,4184	7.090.219,0207	7.090.219,0207	7.090.216,6643	
Station: 19+19											
Dist. Eixo (m):		-7,874	-5,457	-5,457	-5,058	0,000	4,942	5,340	5,340	7,644	
Cota (m):		16,633	16,585	16,489	16,497	16,598	16,500	16,492	16,587	16,633	
E:		708.940,4452	708.940,5243	708.940,5243	708.940,5373	708.940,7029	708.940,8646	708.940,8776	708.940,8776	708.940,9530	
N:		7.090.232,5313	7.090.230,1153	7.090.230,1153	7.090.229,7173	7.090.224,6617	7.090.219,7227	7.090.219,3249	7.090.219,3249	7.090.217,0218	
Station: 20+10											
Dist. Eixo (m):		-7,842	-5,434	-5,434	-5,035	0,000	4,965	5,363	5,363	7,671	
Cota (m):		16,357	16,309	16,213	16,221	16,322	16,223	16,215	16,311	16,357	
E:		708.950,4409	708.950,5197	708.950,5197	708.950,5327	708.950,6975	708.950,8600	708.950,8730	708.950,8730	708.950,9485	
N:		7.090.232,8264	7.090.230,4196	7.090.230,4196	7.090.230,0216	7.090.224,9889	7.090.220,0269	7.090.219,6292	7.090.219,6292	7.090.217,3223	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA JOÃO C. G. DE OLIVEIRA (T2)

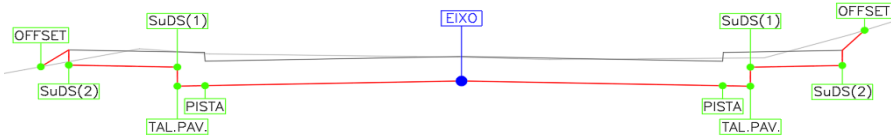
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 21+0											
Dist. Eixo (m):		-7,974	-5,411	-5,411	-5,012	0,000	4,988	5,386	5,386	7,311	
Cota (m):		16,080	16,029	15,933	15,941	16,041	15,941	15,933	16,030	16,068	
E:		708.960,4312	708.960,5151	708.960,5151	708.960,5281	708.960,6922	708.960,8554	708.960,8684	708.960,8684	708.960,9314	
N:		7.090.233,2858	7.090.230,7238	7.090.230,7238	7.090.230,3259	7.090.225,3161	7.090.220,3312	7.090.219,9335	7.090.219,9335	7.090.218,0093	
Station: 21+10											
Dist. Eixo (m):		-10,120	-6,826	-6,826	-6,428	0,000	6,172	6,570	6,570	8,430	
Cota (m):		15,784	15,719	15,623	15,631	15,760	15,637	15,629	15,725	15,762	
E:		708.970,3557	708.970,4634	708.970,4634	708.970,4765	708.970,6868	708.970,8888	708.970,9018	708.970,9018	708.970,9627	
N:		7.090.235,7580	7.090.232,4655	7.090.232,4655	7.090.232,0676	7.090.225,6434	7.090.219,4748	7.090.219,0771	7.090.219,0771	7.090.217,2176	
Station: 21+13											
Dist. Eixo (m):		-13,646	-5,395	-5,395	-4,998	0,000	10,558	10,955	10,955	12,546	
Cota (m):		15,816	15,651	15,555	15,563	15,663	15,452	15,444	15,539	15,571	
E:		708.973,6890	708.973,9592	708.973,9592	708.973,9722	708.974,1358	708.974,4813	708.974,4943	708.974,4943	708.974,5463	
N:		7.090.239,4021	7.090.231,1516	7.090.231,1516	7.090.230,7536	7.090.225,7563	7.090.215,2044	7.090.214,8067	7.090.214,8067	7.090.213,2169	
Station: 22+1											
Dist. Eixo (m):						0,000	4,999	5,397	5,397	6,198	
Cota (m):						15,470	15,370	15,362	15,458	15,474	
E:						708.982,2572	708.982,5782	708.982,6037	708.982,6037	708.982,6552	
N:						7.090.226,2788	7.090.221,2891	7.090.220,8920	7.090.220,8920	7.090.220,0916	
Station: 22+10											
Dist. Eixo (m):		-8,256	-5,654	-5,654	-5,255	0,000	4,745	5,143	5,143	7,745	
Cota (m):		15,406	15,354	15,258	15,266	15,371	15,276	15,268	15,364	15,416	
E:		708.990,3209	708.990,4281	708.990,4281	708.990,4445	708.990,6610	708.990,8565	708.990,8729	708.990,8729	708.990,9801	
N:		7.090.234,8739	7.090.232,2741	7.090.232,2741	7.090.231,8763	7.090.226,6253	7.090.221,8842	7.090.221,4866	7.090.221,4866	7.090.218,8871	
Station: 22+16											
Dist. Eixo (m):		-8,188	-5,586	-5,586	-5,188	0,000	4,813	5,156	5,156	7,463	
Cota (m):		15,387	15,335	15,239	15,247	15,351	15,255	15,248	15,342	15,388	
E:		708.996,6352	708.996,7424	708.996,7424	708.996,7588	708.996,9725	708.997,1708	708.997,1850	708.997,1850	708.997,2800	
N:		7.090.235,0668	7.090.232,4670	7.090.232,4670	7.090.232,0691	7.090.226,8855	7.090.222,0771	7.090.221,7335	7.090.221,7335	7.090.219,4290	
Station: 23+0											
Dist. Eixo (m):		-8,149	-5,547	-5,547	-5,149	0,000	4,852	5,250	5,250	7,886	
Cota (m):		15,379	15,327	15,231	15,239	15,342	15,245	15,237	15,332	15,385	
E:		709.000,3168	709.000,4240	709.000,4240	709.000,4404	709.000,6525	709.000,8524	709.000,8688	709.000,8688	709.000,9774	
N:		7.090.235,1792	7.090.232,5794	7.090.232,5794	7.090.232,1816	7.090.227,0372	7.090.222,1895	7.090.221,7919	7.090.221,7919	7.090.219,1577	
Station: 23+10											
Dist. Eixo (m):		-8,042	-5,440	-5,440	-5,042	0,000	4,959	5,357	5,357	7,894	
Cota (m):		15,356	15,304	15,209	15,217	15,317	15,218	15,210	15,306	15,357	
E:		709.010,3128	709.010,4199	709.010,4199	709.010,4364	709.010,6441	709.010,8483	709.010,8647	709.010,8647	709.010,9693	
N:		7.090.235,4845	7.090.232,8846	7.090.232,8846	7.090.232,4868	7.090.227,4492	7.090.222,4947	7.090.222,0971	7.090.222,0971	7.090.219,5617	
Station: 23+13											
Dist. Eixo (m):		-8,000	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	7,872	
Cota (m):		15,348	15,296	15,200	15,208	15,308	15,208	15,200	15,296	15,345	
E:		709.014,2113	709.014,3185	709.014,3185	709.014,3349	709.014,5408	709.014,7468	709.014,7632	709.014,7632	709.014,8651	
N:		7.090.235,6035	7.090.233,0037	7.090.233,0037	7.090.232,6059	7.090.227,6098	7.090.222,6141	7.090.222,2165	7.090.222,2165	7.090.219,7447	

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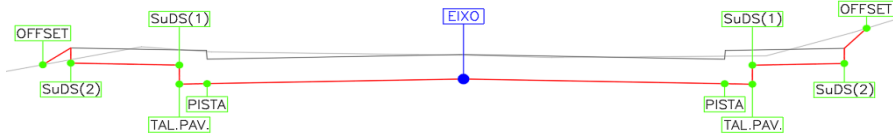
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 0+10											
Dist. Eixo (m):		-5,927	-3,697			0,000			3,662	5,432	
Cota (m):		13,846	13,802						13,803	13,838	
E:		708.467,8447	708.465,6162			708.461,9209			708.458,2611	708.456,4919	
N:		7.090.284,4929	7.090.284,4210			7.090.284,3018			7.090.284,1837	7.090.284,1266	
Station: 0+14											
Dist. Eixo (m):		-5,891	-3,716			0,000			3,717	5,491	
Cota (m):		13,751	13,708						13,708	13,743	
E:		708.467,9671	708.465,7936			708.462,0793			708.458,3644	708.456,5907	
N:		7.090.279,5828	7.090.279,5126			7.090.279,3928			7.090.279,2729	7.090.279,2157	
Station: 1+0											
Dist. Eixo (m):		-5,996	-4,144	-4,144	-3,715	0,000	3,748	4,176	4,176	5,553	
Cota Camada 1 (m)					13,925	13,999	13,924				
Cota Camada 3 (m)					13,845	13,919	13,844				
Cota Camada 6 (m)					13,805	13,879	13,804				
Cota Camada 7 (m)					13,655	13,729	13,654				
Cota (m):		13,660	13,623	13,496	13,505	13,579	13,504	13,496	13,622	13,650	
E:		708.468,2358	708.466,3854	708.466,3854	708.465,9569	708.462,2434	708.458,4977	708.458,0694	708.458,0694	708.456,6931	
N:		7.090.274,5003	7.090.274,4406	7.090.274,4406	7.090.274,4268	7.090.274,3070	7.090.274,1861	7.090.274,1723	7.090.274,1723	7.090.274,1279	
Station: 1+10											
Dist. Eixo (m):		-5,967	-4,162	-4,162	-3,733	0,000	3,828	4,256	4,256	5,675	
Cota Camada 1 (m)					13,770	13,844	13,768				
Cota Camada 3 (m)					13,690	13,764	13,688				
Cota Camada 6 (m)					13,650	13,724	13,648				
Cota Camada 7 (m)					13,500	13,574	13,498				
Cota (m):		13,504	13,468	13,341	13,350	13,424	13,348	13,339	13,466	13,494	
E:		708.468,5295	708.466,7253	708.466,7253	708.466,2967	708.462,5659	708.458,7400	708.458,3116	708.458,3116	708.456,8943	
N:		7.090.264,5046	7.090.264,4464	7.090.264,4464	7.090.264,4326	7.090.264,3122	7.090.264,1887	7.090.264,1749	7.090.264,1749	7.090.264,1292	
Station: 2+0											
Dist. Eixo (m):		-5,938	-4,179	-4,179	-3,750	0,000	3,908	4,337	4,337	5,796	
Cota Camada 1 (m)					13,699	13,774	13,695				
Cota Camada 3 (m)					13,619	13,694	13,615				
Cota Camada 6 (m)					13,579	13,654	13,575				
Cota Camada 7 (m)					13,429	13,504	13,425				
Cota (m):		13,432	13,397	13,270	13,279	13,354	13,275	13,267	13,394	13,423	
E:		708.468,8231	708.467,0651	708.467,0651	708.466,6366	708.462,8884	708.458,9823	708.458,5539	708.458,5539	708.457,0955	
N:		7.090.254,5089	7.090.254,4522	7.090.254,4522	7.090.254,4383	7.090.254,3174	7.090.254,1914	7.090.254,1775	7.090.254,1775	7.090.254,1305	
Station: 2+10											
Dist. Eixo (m):		-5,909	-4,196	-4,196	-3,767	0,000	3,988	4,417	4,417	5,917	
Cota Camada 1 (m)					13,687	13,762	13,682				
Cota Camada 3 (m)					13,607	13,682	13,602				
Cota Camada 6 (m)					13,567	13,642	13,562				
Cota Camada 7 (m)					13,417	13,492	13,412				
Cota (m):		13,419	13,385	13,258	13,267	13,342	13,262	13,254	13,381	13,411	
E:		708.469,1167	708.467,4050	708.467,4050	708.466,9764	708.463,2109	708.459,2246	708.458,7962	708.458,7962	708.457,2967	
N:		7.090.244,5131	7.090.244,4579	7.090.244,4579	7.090.244,4441	7.090.244,3226	7.090.244,1940	7.090.244,1801	7.090.244,1801	7.090.244,1318	
Station: 3+0											
Dist. Eixo (m):		-5,880	-4,214	-4,214	-3,785	0,000	4,069	4,497	4,497	6,039	
Cota Camada 1 (m)					13,677	13,753	13,671				
Cota Camada 3 (m)					13,597	13,673	13,591				
Cota Camada 6 (m)					13,557	13,633	13,551				
Cota Camada 7 (m)					13,407	13,483	13,401				
Cota (m):		13,408	13,375	13,248	13,257	13,333	13,251	13,243	13,370	13,401	
E:		708.469,4106	708.467,7448	708.467,7448	708.467,3163	708.463,5334	708.459,4669	708.459,0385	708.459,0385	708.457,4979	
N:		7.090.234,5174	7.090.234,4637	7.090.234,4637	7.090.234,4498	7.090.234,3278	7.090.234,1966	7.090.234,1828	7.090.234,1828	7.090.234,1330	
Station: 3+10											
Dist. Eixo (m):		-5,851	-4,231	-4,231	-3,802	0,000	4,149	4,577	4,577	6,160	
Cota Camada 1 (m)					13,667	13,743	13,660				
Cota Camada 3 (m)					13,587	13,663	13,580				
Cota Camada 6 (m)					13,547	13,623	13,540				
Cota Camada 7 (m)					13,397	13,473	13,390				
Cota (m):		13,398	13,366	13,238	13,247	13,323	13,240	13,232	13,358	13,390	
E:		708.469,7042	708.468,0847	708.468,0847	708.467,6561	708.463,8559	708.459,7091	708.459,2808	708.459,2808	708.457,6991	
N:		7.090.224,5217	7.090.224,4694	7.090.224,4694	7.090.224,4556	7.090.224,3330	7.090.224,1992	7.090.224,1854	7.090.224,1854	7.090.224,1343	
Station: 4+0											
Dist. Eixo (m):					-4,974	0,000	6,026				
Cota Camada 1 (m)					13,654	13,734	13,787				
Cota Camada 3 (m)					13,574	13,654	13,707				
Cota Camada 6 (m)					13,534	13,614	13,667				
Cota Camada 7 (m)					13,384	13,464	13,517				
Cota (m):					13,234	13,314	13,367				
E:					708.469,1502	708.464,1784	708.458,1559				
N:					7.090.214,4986	7.090.214,3382	7.090.214,1439				
Station: 4+1											
Dist. Eixo (m):					-6,623	0,000	6,723				
Cota Camada 1 (m)					13,650	13,732	13,814				
Cota Camada 3 (m)					13,570	13,652	13,734				
Cota Camada 6 (m)					13,530	13,612	13,694				
Cota Camada 7 (m)					13,380	13,462	13,544				
Cota (m):					13,230	13,312	13,394				
E:					708.470,8479	708.464,2279	708.457,5078				
N:					7.090.213,0182	7.090.212,8046	7.090.212,5877				

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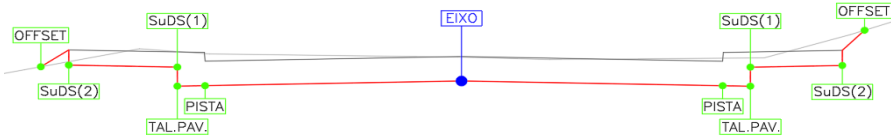
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 4+2											
Dist. Eixo (m):					-7,000	0,000	6,711				
Cota Camada 1 (m)					13,668	13,732	13,815				
Cota Camada 3 (m)					13,588	13,652	13,735				
Cota Camada 6 (m)					13,548	13,612	13,695				
Cota Camada 7 (m)					13,398	13,462	13,545				
Cota (m):					13,248	13,312	13,395				
E:					708.471,2402	708.464,2413	708.457,5314				
N:					7.090.212,1548	7.090.212,0332	7.090.211,9167				
Station: 5+10											
Dist. Eixo (m):		-5,876	-4,052			0,000			3,963	5,960	
Cota (m):		13,307	13,271						13,272	13,312	
E:		708.470,8511	708.468,8282			708.464,7769			708.460,8152	708.458,8186	
N:		7.090.184,4770	7.090.184,4359			7.090.184,3444			7.090.184,2549	7.090.184,2098	
Station: 6+0											
Dist. Eixo (m):		-5,856	-4,063			0,000			3,949	6,052	
Cota (m):		13,289	13,253						13,256	13,298	
E:		708.470,8572	708.469,0648			708.465,0027			708.461,0544	708.458,9522	
N:		7.090.174,4791	7.090.174,4387			7.090.174,3469			7.090.174,2578	7.090.174,2103	
Station: 6+10											
Dist. Eixo (m):		-5,836	-4,058			0,000			3,961	6,114	
Cota (m):		13,232	13,197						13,198	13,241	
E:		708.471,0633	708.469,2849			708.465,2284			708.461,2680	708.459,1164	
N:		7.090.164,4812	7.090.164,4411			7.090.164,3495			7.090.164,2600	7.090.164,2115	
Station: 7+0											
Dist. Eixo (m):		-5,817	-4,052			0,000			3,966	6,030	
Cota (m):		13,183	13,147						13,149	13,190	
E:		708.471,2694	708.469,5050			708.465,4542			708.461,4890	708.459,4253	
N:		7.090.154,4833	7.090.154,4335			7.090.154,3520			7.090.154,2625	7.090.154,2159	
Station: 7+10											
Dist. Eixo (m):		-5,834	-4,043			0,000			3,964	5,950	
Cota (m):		13,194	13,158						13,159	13,199	
E:		708.471,5128	708.469,7220			708.465,6800			708.461,7167	708.459,7319	
N:		7.090.144,4863	7.090.144,4459			7.090.144,3546			7.090.144,2651	7.090.144,2203	
Station: 8+0											
Dist. Eixo (m):		-5,855	-4,031			0,000			3,962	5,892	
Cota (m):		13,207	13,170						13,172	13,210	
E:		708.471,7589	708.469,9358			708.465,9057			708.461,9443	708.460,0151	
N:		7.090.134,4893	7.090.134,4481			7.090.134,3571			7.090.134,2677	7.090.134,2241	
Station: 8+10											
Dist. Eixo (m):		-5,875	-4,019			0,000			3,987	5,917	
Cota (m):		13,233	13,196						13,196	13,235	
E:		708.472,0051	708.470,1497			708.466,1315			708.462,1451	708.460,2158	
N:		7.090.124,4923	7.090.124,4504			7.090.124,3597			7.090.124,2696	7.090.124,2261	
Station: 9+0											
Dist. Eixo (m):		-5,913	-4,007			0,000			4,030	5,977	
Cota (m):		13,253	13,215						13,215	13,254	
E:		708.472,2687	708.470,3635			708.466,3573			708.462,3282	708.460,3821	
N:		7.090.114,4957	7.090.114,4527			7.090.114,3622			7.090.114,2712	7.090.114,2273	
Station: 9+10											
Dist. Eixo (m):		-5,952	-3,995			0,000			4,073	5,924	
Cota (m):		13,239	13,200						13,198	13,235	
E:		708.472,5338	708.470,5774			708.466,5830			708.462,5114	708.460,6604	
N:		7.090.104,4992	7.090.104,4550			7.090.104,3648			7.090.104,2728	7.090.104,2310	
Station: 10+0											
Dist. Eixo (m):		-5,992	-3,984			0,000			4,110	5,917	
Cota (m):		13,212	13,172						13,169	13,205	
E:		708.472,7990	708.470,7915			708.466,8088			708.462,7002	708.460,8931	
N:		7.090.094,5026	7.090.094,4573			7.090.094,3673			7.090.094,2745	7.090.094,2337	
Station: 10+10											
Dist. Eixo (m):		-6,048	-3,972			0,000			4,143	5,857	
Cota (m):		13,157	13,115						13,112	13,146	
E:		708.473,0815	708.471,0056			708.467,0346			708.462,8930	708.461,1788	
N:		7.090.084,5064	7.090.084,4595			7.090.084,3699			7.090.084,2763	7.090.084,2376	
Station: 11+0											
Dist. Eixo (m):		-6,114	-3,960			0,000			4,176	5,806	
Cota (m):		13,094	13,051						13,047	13,080	
E:		708.473,3724	708.471,2198			708.467,2603			708.463,0857	708.461,4562	
N:		7.090.074,5104	7.090.074,4618			7.090.074,3724			7.090.074,2781	7.090.074,2413	
Station: 11+10											
Dist. Eixo (m):		-6,226	-3,949			0,000			4,128	5,907	
Cota (m):		13,031	12,986						12,982	13,018	
E:		708.473,7105	708.471,4339			708.467,4861			708.463,3596	708.461,5805	
N:		7.090.064,5155	7.090.064,4641			7.090.064,3750			7.090.064,2818	7.090.064,2416	
Station: 13+0											
Dist. Eixo (m):		-5,929	-4,014			0,000			4,191	5,956	
Cota (m):		12,849	12,810						12,807	12,842	
E:		708.474,1000	708.472,1849			708.468,1725			708.463,9826	708.462,2180	
N:		7.090.034,5324	7.090.034,4841			7.090.034,3828			7.090.034,2771	7.090.034,2326	

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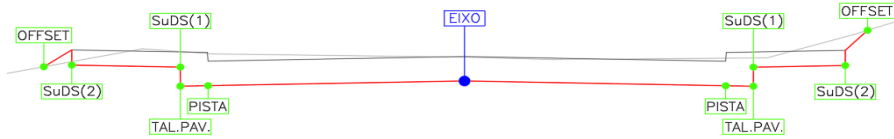
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 13+10											
Dist. Eixo (m):		-5,937	-4,025			0,000			4,167	5,876	
Cota (m):		12,846	12,807						12,805	12,839	
E:		708.474,3598	708.472,4479			708.468,4247			708.464,2589	708.462,5505	
N:		7.090.024,5357	7.090.024,4875			7.090.024,3860			7.090.024,2809	7.090.024,2378	
Station: 14+0											
Dist. Eixo (m):		-5,945	-4,035			0,000			4,155	5,796	
Cota (m):		12,849	12,811						12,808	12,841	
E:		708.474,6196	708.472,7109			708.468,6769			708.464,5234	708.462,8831	
N:		7.090.014,5391	7.090.014,4910			7.090.014,3892			7.090.014,2844	7.090.014,2430	
Station: 14+10											
Dist. Eixo (m):		-5,952	-4,046			0,000			4,143	5,715	
Cota (m):		12,861	12,822						12,821	12,852	
E:		708.474,8794	708.472,9740			708.468,9291			708.464,7879	708.463,2157	
N:		7.090.004,5425	7.090.004,4944			7.090.004,3924			7.090.004,2879	7.090.004,2462	
Station: 15+0											
Dist. Eixo (m):		-5,960	-4,057			0,000			4,130	5,635	
Cota (m):		12,868	12,830						12,828	12,858	
E:		708.475,1393	708.473,2370			708.469,1814			708.465,0524	708.463,5482	
N:		7.089.994,5459	7.089.994,4979			7.089.994,3956			7.089.994,2914	7.089.994,2534	
Station: 15+10											
Dist. Eixo (m):		-6,019	-4,068			0,000			4,118	5,620	
Cota (m):		12,839	12,800						12,799	12,829	
E:		708.475,4509	708.473,5000			708.469,4336			708.465,3169	708.463,8152	
N:		7.089.984,5505	7.089.984,5013			7.089.984,3987			7.089.984,2949	7.089.984,2570	
Station: 16+0											
Dist. Eixo (m):		-6,113	-4,079			0,000			4,106	5,668	
Cota (m):		12,809	12,768						12,768	12,799	
E:		708.475,7966	708.473,7630			708.469,6858			708.465,5811	708.464,0196	
N:		7.089.974,5561	7.089.974,5048			7.089.974,4019			7.089.974,2984	7.089.974,2590	
Station: 16+10											
Dist. Eixo (m):		-6,093	-4,089			0,000			4,097	5,716	
Cota (m):		12,794	12,754						12,753	12,786	
E:		708.476,0287	708.474,0260			708.469,9380			708.465,8422	708.464,2240	
N:		7.089.964,5588	7.089.964,5082			7.089.964,4051			7.089.964,3018	7.089.964,2609	
Station: 17+0											
Dist. Eixo (m):		-6,073	-4,100			0,000			4,088	5,764	
Cota (m):		12,762	12,723						12,723	12,756	
E:		708.476,2609	708.474,2890			708.470,1902			708.466,1033	708.464,4284	
N:		7.089.954,5614	7.089.954,5117			7.089.954,4083			7.089.954,3052	7.089.954,2629	
Station: 17+10											
Dist. Eixo (m):		-6,052	-4,111			0,000			4,055	5,811	
Cota (m):		12,724	12,685						12,686	12,721	
E:		708.476,4930	708.474,5520			708.470,4424			708.466,3891	708.464,6328	
N:		7.089.944,5641	7.089.944,5151			7.089.944,4115			7.089.944,3092	7.089.944,2649	
Station: 18+0											
Dist. Eixo (m):		-6,032	-4,122			0,000			4,017	5,859	
Cota (m):		12,672	12,634						12,636	12,673	
E:		708.476,7251	708.474,8152			708.470,6946			708.466,6793	708.464,8372	
N:		7.089.934,5668	7.089.934,5186			7.089.934,4146			7.089.934,3133	7.089.934,2669	
Station: 18+10											
Dist. Eixo (m):		-6,012	-4,133			0,000			3,979	5,907	
Cota (m):		12,610	12,572						12,575	12,614	
E:		708.476,9573	708.475,0789			708.470,9469			708.466,9694	708.465,0416	
N:		7.089.924,5695	7.089.924,5221			7.089.924,4178			7.089.924,3175	7.089.924,2688	
Station: 19+0											
Dist. Eixo (m):		-6,089	-4,144			0,000			3,941	5,916	
Cota (m):		12,540	12,501						12,505	12,545	
E:		708.477,2866	708.475,3415			708.471,1991			708.467,2596	708.465,2846	
N:		7.089.914,5746	7.089.914,5255			7.089.914,4210			7.089.914,3216	7.089.914,2718	
Station: 19+10											
Dist. Eixo (m):		-8,964	-5,534			0,000			5,025	7,839	
Cota (m):		12,469	12,401						12,411	12,467	
E:		708.480,4119	708.476,9835			708.471,4513			708.466,4283	708.463,6147	
N:		7.089.904,6503	7.089.904,6388			7.089.904,4242			7.089.904,2975	7.089.904,2265	
Station: 20+10											
Dist. Eixo (m):		-7,883	-4,704			0,000			3,932	5,994	
Cota (m):		12,574	12,510						12,525	12,567	
E:		708.479,8367	708.476,6580			708.471,9557			708.468,0246	708.465,9636	
N:		7.089.884,6294	7.089.884,5492			7.089.884,4305			7.089.884,3314	7.089.884,2794	
Station: 21+0											
Dist. Eixo (m):		-5,982	-4,164			0,000			3,940	5,883	
Cota (m):		12,627	12,591						12,595	12,634	
E:		708.478,1881	708.476,3701			708.472,2079			708.468,2688	708.466,3271	
N:		7.089.874,5846	7.089.874,5387			7.089.874,4337			7.089.874,3343	7.089.874,2854	
Station: 21+10											
Dist. Eixo (m):		-6,005	-4,119			0,000			3,953	5,881	
Cota (m):		12,619	12,581						12,584	12,623	
E:		708.478,4636	708.476,5774			708.472,4602			708.468,5081	708.466,5809	
N:		7.089.864,5884	7.089.864,5408			7.089.864,4369			7.089.864,3372	7.089.864,2886	

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RUA JOÃO SANCHO MOREIRA

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 22+0											
Dist. Eixo (m):		-6,009	-4,080			0,000			3,979	5,880	
Cota (m):		12,510	12,571						12,573	12,611	
E:		708.478,7190	708.476,7909			708.472,7124			708.468,7345	708.466,8346	
N:		7.089.854,5916	7.089.854,5430			7.089.854,4401			7.089.854,3397	7.089.854,2918	
Station: 22+10											
Dist. Eixo (m):		-6,012	-4,080			0,000			4,002	5,878	
Cota (m):		12,531	12,492						12,494	12,532	
E:		708.478,9744	708.477,0432			708.472,9646			708.468,9643	708.467,0884	
N:		7.089.844,5949	7.089.844,5462			7.089.844,4433			7.089.844,3423	7.089.844,2950	
Station: 23+0											
Dist. Eixo (m):		-5,997	-4,074			0,000			4,020	5,877	
Cota (m):		12,432	12,394						12,395	12,432	
E:		708.479,2122	708.477,2897			708.473,2168			708.469,1980	708.467,3421	
N:		7.089.834,5977	7.089.834,5492			7.089.834,4464			7.089.834,3451	7.089.834,2982	
Station: 23+10											
Dist. Eixo (m):		-5,976	-4,047			0,000			4,039	5,875	
Cota (m):		12,370	12,331						12,332	12,368	
E:		708.479,4434	708.477,5150			708.473,4690			708.469,4317	708.467,5959	
N:		7.089.824,6004	7.089.824,5517			7.089.824,4496			7.089.824,3478	7.089.824,3015	
Station: 24+0											
Dist. Eixo (m):		-5,955	-4,011			0,000			4,091	5,873	
Cota (m):		12,349	12,310						12,308	12,344	
E:		708.479,6746	708.477,7314			708.473,7212			708.469,6315	708.467,8497	
N:		7.089.814,6030	7.089.814,5540			7.089.814,4528			7.089.814,3496	7.089.814,3047	
Station: 24+10											
Dist. Eixo (m):		-5,916	-4,036			0,000			4,162	5,872	
Cota (m):		12,302	12,264						12,262	12,296	
E:		708.479,8872	708.478,0085			708.473,9734			708.469,8128	708.468,1034	
N:		7.089.804,6052	7.089.804,5578			7.089.804,4560			7.089.804,3510	7.089.804,3079	
Station: 25+0											
Dist. Eixo (m):		-5,868	-4,018			0,000			4,233	5,870	
Cota (m):		12,201	12,164						12,160	12,193	
E:		708.480,0915	708.478,2424			708.474,2257			708.469,9940	708.468,3572	
N:		7.089.794,6072	7.089.794,5605			7.089.794,4592			7.089.794,3524	7.089.794,3111	
Station: 25+4											
Dist. Eixo (m):		-5,200	-4,010			0,000			5,010	6,200	
Cota (m):		12,144	12,121						12,101	12,124	
E:		708.479,5339	708.478,3443			708.474,3355			708.469,3271	708.468,1375	
N:		7.089.790,2350	7.089.790,2050			7.089.790,1039			7.089.789,9775	7.089.789,9475	

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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET		SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)		OFFSET
Station: 0+0									
Dist. Eixo (m):			-10,236	-9,027	0,000	12,323	13,652		
Cota (m):			12,125	12,101		12,035	12,033		
E:			709.545,2291	709.544,0212	709.534,9992	709.522,6830	709.521,3545		
N:			7.090.786,8854	7.090.786,8447	7.090.786,5402	7.090.786,1245	7.090.786,0797		
Station: 0+10									
Dist. Eixo (m):			-6,195	-4,002	0,000	4,522	6,638		
Cota (m):			12,101	12,057		12,047	12,089		
E:			709.541,5220	709.539,3305	709.535,3307	709.530,8116	709.528,6969		
N:			7.090.776,9236	7.090.776,8496	7.090.776,7146	7.090.776,5621	7.090.776,4908		
Station: 1+0									
Dist. Eixo (m):			-5,988	-3,957	0,000	3,952	5,952		
Cota (m):			11,971	11,931		11,931	11,971		
E:			709.541,6530	709.539,6224	709.535,6680	709.531,7178	709.529,7195		
N:			7.090.766,9223	7.090.766,8538	7.090.766,7203	7.090.766,5870	7.090.766,5196		
Station: 1+10									
Dist. Eixo (m):			-5,820	-3,911	0,000	3,938	5,973		
Cota (m):			11,943	11,905		11,904	11,945		
E:			709.541,8216	709.539,9144	709.536,0053	709.532,0693	709.530,0361		
N:			7.090.756,9223	7.090.756,8579	7.090.756,7260	7.090.756,5932	7.090.756,5246		
Station: 2+0									
Dist. Eixo (m):			-5,943	-3,890	0,000	3,924	5,993		
Cota (m):			11,927	11,886		11,885	11,926		
E:			709.542,2821	709.540,2305	709.536,3426	709.532,4208	709.530,3527		
N:			7.090.746,9322	7.090.746,8629	7.090.746,7317	7.090.746,5994	7.090.746,5296		
Station: 2+10									
Dist. Eixo (m):			-5,974	-3,920	0,000	3,910	6,014		
Cota (m):			11,880	11,839		11,839	11,881		
E:			709.542,6503	709.540,5974	709.536,6799	709.532,7723	709.530,6692		
N:			7.090.736,9389	7.090.736,8696	7.090.736,7374	7.090.736,6055	7.090.736,5345		
Station: 3+0									
Dist. Eixo (m):			-5,920	-3,949	0,000	3,928	6,114		
Cota (m):			11,837	11,798		11,798	11,842		
E:			709.542,9338	709.540,9642	709.537,0172	709.533,0909	709.530,9071		
N:			7.090.726,9428	7.090.726,8763	7.090.726,7431	7.090.726,6106	7.090.726,5369		
Station: 3+10									
Dist. Eixo (m):			-5,843	-3,979	0,000	3,949	6,220		
Cota (m):			11,806	11,768		11,769	11,814		
E:			709.543,1942	709.541,3309	709.537,3545	709.533,4072	709.531,1380		
N:			7.090.716,9459	7.090.716,8830	7.090.716,7488	7.090.716,6156	7.090.716,5390		
Station: 4+0									
Dist. Eixo (m):			-5,779	-3,969	0,000	3,968	7,120		
Cota (m):			11,891	11,855		11,855	11,918		
E:			709.543,4674	709.541,6581	709.537,6918	709.533,7260	709.530,5760		
N:			7.090.706,9494	7.090.706,8883	7.090.706,7545	7.090.706,6206	7.090.706,5143		
Station: 4+10									
Dist. Eixo (m):			-5,824	-3,958	0,000	3,984	7,071		
Cota (m):			11,767	11,730		11,729	11,791		
E:			709.543,8499	709.541,9853	709.538,0291	709.534,0473	709.530,9620		
N:			7.090.696,9566	7.090.696,8937	7.090.696,7602	7.090.696,6258	7.090.696,5217		
Station: 5+0									
Dist. Eixo (m):			-5,922	-3,948	0,000	4,000	7,017		
Cota (m):			11,597	11,557		11,556	11,617		
E:			709.544,2848	709.542,3125	709.538,3663	709.534,3684	709.531,3536		
N:			7.090.686,9656	7.090.686,8990	7.090.686,7658	7.090.686,6309	7.090.686,5292		
Station: 5+10									
Dist. Eixo (m):			-6,040	-3,945	0,000	4,017	6,919		
Cota (m):			11,556	11,514		11,513	11,571		
E:			709.544,7400	709.542,6460	709.538,7036	709.534,6885	709.531,7882		
N:			7.090.676,9753	7.090.676,9046	7.090.676,7715	7.090.676,6360	7.090.676,5382		
Station: 6+0									
Dist. Eixo (m):			-6,158	-3,958	0,000	4,035	6,822		
Cota (m):			11,500	11,456		11,455	11,510		
E:			709.545,1951	709.542,9966	709.539,0409	709.535,0086	709.532,2228		
N:			7.090.666,9849	7.090.666,9107	7.090.666,7772	7.090.666,6411	7.090.666,5471		
Station: 6+10									
Dist. Eixo (m):			-5,981	-3,968	0,000	4,065	6,725		
Cota (m):			11,436	11,395		11,393	11,447		
E:			709.545,3557	709.543,3441	709.539,3782	709.535,3158	709.532,6574		
N:			7.090.656,9846	7.090.656,9168	7.090.656,7829	7.090.656,6458	7.090.656,5561		
Station: 7+0									
Dist. Eixo (m):			-5,977	-3,978	0,000				
Cota (m):			11,359	11,319					
E:			709.545,6893	709.543,6908	709.539,7155				
N:			7.090.646,9902	7.090.646,9228	7.090.646,7886				

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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET		SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)		OFFSET
Station: 7+10									
Dist. Eixo (m):			-5,974	-4,002	0,000				
Cota (m):			11,261	11,222					
E:			709.546,0229	709.544,0527	709.540,0528				
N:			7.090.636,9958	7.090.636,9293	7.090.636,7943				
Station: 8+0									
Dist. Eixo (m):			-5,970	-4,027	0,000	4,105	5,947		
Cota (m):			11,260	11,221		11,220	11,255		
E:			709.546,3565	709.544,4146	709.540,3901	709.536,2877	709.534,4464		
N:			7.090.627,0013	7.090.626,9358	7.090.626,8000	7.090.626,6615	7.090.626,5994		

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET		SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)		OFFSET
Station: 8+10									
Dist. Eixo (m):			-5,966	-4,010	0,000	3,927	5,905		
Cota (m):			11,239	11,200		11,202	11,242		
E:			709.546,6902	709.544,7355	709.540,7274	709.536,8027	709.534,8253		
N:			7.090.617,0069	7.090.616,9409	7.090.616,8057	7.090.616,6732	7.090.616,6065		
Station: 9+0									
Dist. Eixo (m):			-5,963	-3,977	0,000	3,962	5,901		
Cota (m):			11,225	11,185		11,185	11,224		
E:			709.547,0238	709.545,0391	709.541,0647	709.537,1049	709.535,1671		
N:			7.090.607,0125	7.090.606,9455	7.090.606,8114	7.090.606,6777	7.090.606,6123		
Station: 9+10									
Dist. Eixo (m):			-5,961	-3,945	0,000	3,997	5,777		
Cota (m):			11,215	11,175		11,174	11,209		
E:			709.547,3600	709.545,3447	709.541,4020	709.537,4070	709.535,6283		
N:			7.090.597,0181	7.090.596,9501	7.090.596,8171	7.090.596,6822	7.090.596,6222		
Station: 10+0									
Dist. Eixo (m):			-5,961	-3,944	0,000	4,004	5,720		
Cota (m):			11,195	11,155		11,154	11,188		
E:			709.547,6966	709.545,6814	709.541,7392	709.537,7378	709.536,0222		
N:			7.090.587,0238	7.090.586,9558	7.090.586,8227	7.090.586,6877	7.090.586,6298		
Station: 10+10									
Dist. Eixo (m):			-5,960	-3,944	0,000	3,991	5,753		
Cota (m):			11,206	11,166		11,165	11,200		
E:			709.548,0333	709.546,0180	709.542,0765	709.538,0881	709.536,3267		
N:			7.090.577,0295	7.090.576,9615	7.090.576,8284	7.090.576,6938	7.090.576,6344		
Station: 11+0									
Dist. Eixo (m):			-5,960	-3,943	0,000	3,978	5,877		
Cota (m):			11,326	11,285		11,285	11,323		
E:			709.548,3699	709.546,3547	709.542,4138	709.538,4385	709.536,5406		
N:			7.090.567,0351	7.090.566,9671	7.090.566,8341	7.090.566,7000	7.090.566,6359		
Station: 11+10									
Dist. Eixo (m):			-5,956	-3,942	0,000	3,965	5,947		
Cota (m):			11,435	11,394		11,394	11,434		
E:			709.548,7039	709.546,6913	709.542,7511	709.538,7888	709.536,8074		
N:			7.090.557,0407	7.090.556,9728	7.090.556,8398	7.090.556,7061	7.090.556,6392		
Station: 12+0									
Dist. Eixo (m):			-5,948	-3,942	0,000	3,951	6,034		
Cota (m):			11,530	11,490		11,490	11,532		
E:			709.549,0332	709.547,0280	709.543,0884	709.539,1392	709.537,0581		
N:			7.090.547,0461	7.090.546,9785	7.090.546,8455	7.090.546,7122	7.090.546,6420		
Station: 12+10									
Dist. Eixo (m):			-5,940	-3,941	0,000	3,938	6,085		
Cota (m):			11,582	11,542		11,542	11,585		
E:			709.549,3624	709.547,3646	709.543,4257	709.539,4896	709.537,3439		
N:			7.090.537,0515	7.090.536,9841	7.090.536,8512	7.090.536,7184	7.090.536,6459		
Station: 13+0									
Dist. Eixo (m):			-5,932	-3,941	0,000	3,973	5,909		
Cota (m):			11,614	11,574		11,573	11,612		
E:			709.549,6917	709.547,7013	709.543,7630	709.539,7927	709.537,8572		
N:			7.090.527,0570	7.090.526,9898	7.090.526,8569	7.090.526,7229	7.090.526,6576		
Station: 13+10									
Dist. Eixo (m):			-5,932	-3,941	0,000	4,041	6,255		
Cota (m):			11,634	11,595		11,593	11,634		
E:			709.550,0284	709.548,0391	709.544,1003	709.540,0612	709.537,8492		
N:			7.090.517,0626	7.090.516,9955	7.090.516,8626	7.090.516,7263	7.090.516,6516		

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NOTA DE SERVIÇO
RUA JOAQUIM GIRARDI

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET		SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)			OFFSET
Station: 14+0										
Dist. Eixo (m):			-5,933	-3,943	0,000	4,110	6,109			
Cota (m):			11,640	11,600		11,597	11,637			
E:			709.550,3671	709.548,3781	709.544,4376	709.540,3297	709.538,3321			
N:			7.090.507,0684	7.090.507,0012	7.090.506,8683	7.090.506,7296	7.090.506,6622			
Station: 14+6										
Dist. Eixo (m):			-6,446	-3,944	0,000	4,299	6,356			
Cota (m):			11,636	11,602		11,595	11,636			
E:			709.551,1159	709.548,6153	709.544,6737	709.540,3772	709.538,3216			
N:			7.090.500,0898	7.090.500,0054	7.090.499,8724	7.090.499,7274	7.090.499,6580			
Station: 14+10										
Dist. Eixo (m):			-6,000	-4,854	0,000	5,977	8,465			
Cota (m):			11,647	11,624		11,602	11,652			
E:			709.550,7707	709.549,6249	709.544,7741	709.538,8000	709.536,3139			
N:			7.090.497,0748	7.090.497,0364	7.090.496,8739	7.090.496,6738	7.090.496,5905			

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO(2)	PASSEIO(1)	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	PASSEIO(1)	PASSEIO(2)	OFFSET
Station: 15+10											
Dist. Eixo (m):		-6,041	-4,910	-4,910	-3,920	0,000	4,059	5,049	5,049	6,041	
Cota (m):		12,513	12,491	11,841	11,821		11,818	11,838	12,488	12,508	
E:		709.551,4812	709.550,3509	709.550,3509	709.549,3612	709.545,4437	709.541,3874	709.540,3980	709.540,3980	709.539,4061	
N:		7.090.477,0874	7.090.477,0495	7.090.477,0495	7.090.477,0164	7.090.476,8851	7.090.476,7493	7.090.476,7161	7.090.476,7161	7.090.476,6829	
Station: 16+0											
Dist. Eixo (m):		-6,034	-4,911	-4,911	-3,921	0,000	4,068	5,058	5,058	6,232	
Cota (m):		12,460	12,437	11,788	11,768		11,765	11,785	12,435	12,458	
E:		709.551,8095	709.550,6867	709.550,6867	709.549,6970	709.545,7785	709.541,7131	709.540,7237	709.540,7237	709.539,5496	
N:		7.090.467,0928	7.090.467,0552	7.090.467,0552	7.090.467,0220	7.090.466,8907	7.090.466,7546	7.090.466,7214	7.090.466,7214	7.090.466,6821	
Station: 16+10											
Dist. Eixo (m):		-6,055	-4,912	-4,912	-3,922	0,000	4,074	5,064	5,064	6,424	
Cota (m):		12,407	12,384	11,735	11,715		11,711	11,731	12,381	12,408	
E:		709.552,1653	709.551,0225	709.551,0225	709.550,0329	709.546,1134	709.542,0421	709.541,0527	709.541,0527	709.539,6931	
N:		7.090.457,0991	7.090.457,0608	7.090.457,0608	7.090.457,0277	7.090.456,8964	7.090.456,7600	7.090.456,7268	7.090.456,7268	7.090.456,6813	
Station: 17+0											
Dist. Eixo (m):		-6,021	-4,916	-4,916	-3,926	0,000	4,079	5,069	5,069	6,431	
Cota (m):		12,382	12,360	11,710	11,690		11,687	11,707	12,357	12,384	
E:		709.552,4658	709.551,3616	709.551,3616	709.550,3720	709.546,4482	709.542,3710	709.541,3816	709.541,3816	709.540,0210	
N:		7.090.447,1036	7.090.447,0666	7.090.447,0666	7.090.447,0334	7.090.446,9020	7.090.446,7654	7.090.446,7322	7.090.446,7322	7.090.446,6866	
Station: 17+10											
Dist. Eixo (m):		-5,927	-4,938	-4,938	-3,947	0,000	4,085	5,075	5,075	6,312	
Cota (m):		12,361	12,341	11,691	11,671		11,668	11,688	12,338	12,363	
E:		709.552,7065	709.551,7178	709.551,7178	709.550,7281	709.546,7830	709.542,6999	709.541,7104	709.541,7104	709.540,4750	
N:		7.090.437,1060	7.090.437,0729	7.090.437,0729	7.090.437,0397	7.090.436,9076	7.090.436,7708	7.090.436,7376	7.090.436,7376	7.090.436,6962	
Station: 18+0											
Dist. Eixo (m):		-5,833	-4,959	-4,959	-3,969	0,000	4,091	5,081	5,081	6,192	
Cota (m):		12,318	12,301	11,651	11,631		11,629	11,648	12,299	12,321	
E:		709.552,9471	709.552,0739	709.552,0739	709.551,0843	709.547,1178	709.543,0287	709.542,0393	709.542,0393	709.540,9289	
N:		7.090.427,1085	7.090.427,0792	7.090.427,0792	7.090.427,0461	7.090.426,9132	7.090.426,7762	7.090.426,7430	7.090.426,7430	7.090.426,7058	
Station: 18+10											
Dist. Eixo (m):		-6,220	-4,961	-4,961	-3,970	0,000	4,023	5,013	5,013	6,073	
Cota (m):		12,275	12,250	11,600	11,580		11,579	11,599	12,249	12,270	
E:		709.553,6696	709.552,4104	709.552,4104	709.551,4207	709.547,4526	709.543,4315	709.542,4420	709.542,4420	709.541,3829	
N:		7.090.417,1271	7.090.417,0849	7.090.417,0849	7.090.417,0517	7.090.416,9188	7.090.416,7841	7.090.416,7509	7.090.416,7509	7.090.416,7154	
Station: 19+0											
Dist. Eixo (m):		-6,266	-4,926	-4,926	-3,935	0,000	3,954	4,944	4,944	6,032	
Cota (m):		12,249	12,222	11,572	11,552		11,552	11,572	12,221	12,243	
E:		709.554,0497	709.552,7103	709.552,7103	709.551,7207	709.547,7874	709.543,8355	709.542,8461	709.542,8461	709.541,7592	
N:		7.090.407,1342	7.090.407,0893	7.090.407,0893	7.090.407,0562	7.090.406,9244	7.090.406,7920	7.090.406,7589	7.090.406,7589	7.090.406,7224	
Station: 19+5											
Dist. Eixo (m):		-6,327	-4,906	-4,906	-3,916	0,000	3,916	4,906	4,906	5,975	
Cota (m):		12,246	12,214	11,564	11,544		11,544	11,564	12,214	12,235	
E:		709.554,2954	709.552,8756	709.552,8756	709.551,8860	709.547,9719	709.544,0581	709.543,0687	709.543,0687	709.541,9999	
N:		7.090.401,6296	7.090.401,5820	7.090.401,5820	7.090.401,5488	7.090.401,4177	7.090.401,2866	7.090.401,2535	7.090.401,2535	7.090.401,2177	
Station: 19+10											
Dist. Eixo (m):		-6,381	-4,893	-4,893	-3,903	0,000	3,912	4,902	4,902	5,931	
Cota (m):		12,245	12,207	11,558	11,538		11,537	11,557	12,207	12,228	
E:		709.554,5008	709.553,0136	709.553,0136	709.552,0240	709.548,1232	709.544,2131	709.543,2237	709.543,2237	709.542,1960	
N:		7.090.397,1450	7.090.397,0949	7.090.397,0949	7.090.397,0615	7.090.396,9300	7.090.396,7982	7.090.396,7649	7.090.396,7649	7.090.396,7303	

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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO(2)	PASSEIO(1)	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	PASSEIO(1)	PASSEIO(2)	OFFSET
Station: 20+0											
Dist. Eixo (m):		-6,454	-4,899	-4,899	-3,909	0,000	3,922	4,912	4,912	5,864	
Cota (m):		12,270	12,239	11,590	11,570		11,569	11,589	12,239	12,258	
E:		709.554,9100	709.553,3565	709.553,3565	709.552,3669	709.548,4600	709.544,5404	709.543,5510	709.543,5510	709.542,5991	
N:		7.090.387,1531	7.090.387,1007	7.090.387,1007	7.090.387,0674	7.090.386,9357	7.090.386,8036	7.090.386,7702	7.090.386,7702	7.090.386,7382	
Station: 20+10											
Dist. Eixo (m):		-6,320	-4,905	-4,905	-3,915	0,000	3,931	4,921	4,921	5,883	
Cota (m):		12,337	12,309	11,659	11,639		11,639	11,659	12,309	12,328	
E:		709.555,1128	709.553,6994	709.553,6994	709.552,7098	709.548,7969	709.544,8677	709.543,8783	709.543,8783	709.542,9174	
N:		7.090.377,1542	7.090.377,1066	7.090.377,1066	7.090.377,0733	7.090.376,9414	7.090.376,8089	7.090.376,7756	7.090.376,7756	7.090.376,7432	
Station: 21+0											
Dist. Eixo (m):		-6,211	-4,897	-4,897	-3,907	0,000	3,941	4,931	4,931	5,903	
Cota (m):		12,518	12,492	11,842	11,822		11,821	11,841	12,492	12,511	
E:		709.555,3415	709.554,0277	709.554,0277	709.553,0380	709.549,1337	709.545,1950	709.544,2056	709.544,2056	709.543,2338	
N:		7.090.367,1563	7.090.367,1120	7.090.367,1120	7.090.367,0786	7.090.366,9471	7.090.366,8143	7.090.366,7810	7.090.366,7810	7.090.366,7482	
Station: 21+10											
Dist. Eixo (m):		-6,229	-4,888	-4,888	-3,898	0,000	3,950	4,940	4,940	5,967	
Cota (m):		12,752	12,725	12,075	12,055		12,054	12,074	12,723	12,744	
E:		709.555,6963	709.554,3558	709.554,3558	709.553,3662	709.549,4705	709.545,5223	709.544,5329	709.544,5329	709.543,5067	
N:		7.090.357,1626	7.090.357,1174	7.090.357,1174	7.090.357,0840	7.090.356,9527	7.090.356,8197	7.090.356,7863	7.090.356,7863	7.090.356,7517	
Station: 22+0											
Dist. Eixo (m):		-6,210	-4,882	-4,882	-3,891	0,000					
Cota (m):		13,109	13,083	12,433	12,413						
E:		709.556,0140	709.554,6862	709.554,6862	709.553,6966	709.549,8074					
N:		7.090.347,1676	7.090.347,1228	7.090.347,1228	7.090.347,0895	7.090.346,9584					
Station: 22+10											
Dist. Eixo (m):		-6,120	-4,881	-4,881	-3,890	0,000					
Cota (m):		13,572	13,547	12,897	12,877						
E:		709.556,2608	709.555,0221	709.555,0221	709.554,0325	709.550,1442					
N:		7.090.337,1702	7.090.337,1285	7.090.337,1285	7.090.337,0951	7.090.336,9641					
Station: 23+0											
Dist. Eixo (m):		-6,051	-4,880	-4,880	-3,889	0,000	5,010	6,000			
Cota (m):		14,264	14,240	13,590	13,570		13,548	13,568			
E:		709.556,5283	709.555,3580	709.555,3580	709.554,3684	709.550,4811	709.545,4739	709.544,4845			
N:		7.090.327,1736	7.090.327,1341	7.090.327,1341	7.090.327,1008	7.090.326,9697	7.090.326,8010	7.090.326,7676			
Station: 23+10											
Dist. Eixo (m):		-6,017	-4,879	-4,879	-3,889	0,000	5,010	6,000			
Cota (m):		15,082	15,059	14,409	14,389		14,367	14,386			
E:		709.556,8319	709.555,6939	709.555,6939	709.554,7042	709.550,8179	709.545,8108	709.544,8213			
N:		7.090.317,1781	7.090.317,1398	7.090.317,1398	7.090.317,1064	7.090.316,9754	7.090.316,8067	7.090.316,7733			
Station: 24+0											
Dist. Eixo (m):		-6,012	-4,878	-4,878	-3,888	0,000	3,914	4,904	4,904	6,046	
Cota (m):		15,903	15,880	15,230	15,210		15,210	15,229	15,879	15,902	
E:		709.557,1636	709.556,0298	709.556,0298	709.555,0401	709.551,1548	709.547,2426	709.546,2532	709.546,2532	709.545,1123	
N:		7.090.307,1836	7.090.307,1454	7.090.307,1454	7.090.307,1120	7.090.306,9811	7.090.306,8492	7.090.306,8159	7.090.306,8159	7.090.306,7774	
Station: 24+6											
Dist. Eixo (m):		-6,000	-4,877	-4,877	-3,887	0,000	3,887	4,877	4,877	6,081	
Cota (m):		16,462	16,439	15,789	15,769		15,769	15,789	16,439	16,463	
E:		709.557,3816	709.556,2596	709.556,2596	709.555,2700	709.551,3853	709.547,5003	709.546,5108	709.546,5108	709.545,3074	
N:		7.090.300,3436	7.090.300,3058	7.090.300,3058	7.090.300,2725	7.090.300,1415	7.090.300,0106	7.090.299,9773	7.090.299,9773	7.090.299,9367	
Station: 24+10											
Dist. Eixo (m):		-6,008	-4,875	-4,875	-3,885	0,000	3,876	4,866	4,866	6,084	
Cota (m):		16,720	16,697	16,047	16,027		16,027	16,047	16,698	16,722	
E:		709.557,4973	709.556,3656	709.556,3656	709.555,3759	709.551,4932	709.547,6192	709.546,6298	709.546,6298	709.545,4129	
N:		7.090.297,1922	7.090.297,1535	7.090.297,1535	7.090.297,1196	7.090.296,9868	7.090.296,8543	7.090.296,8205	7.090.296,8205	7.090.296,7789	
Station: 25+0											
Dist. Eixo (m):		-6,063	-4,869	-4,869	-3,879	0,000	3,842	4,832	4,832	6,082	
Cota (m):		17,122	17,098	16,449	16,429		16,429	16,449	17,099	17,124	
E:		709.557,8942	709.556,7014	709.556,7014	709.555,7118	709.551,8350	709.547,9957	709.547,0062	709.547,0062	709.545,7564	
N:		7.090.287,1999	7.090.287,1591	7.090.287,1591	7.090.287,1253	7.090.286,9927	7.090.286,8614	7.090.286,8275	7.090.286,8275	7.090.286,7848	
Station: 25+10											
Dist. Eixo (m):		-6,089	-4,863	-4,863	-3,873	0,000	3,807	4,797	4,797	6,190	
Cota (m):		17,438	17,414	16,764	16,744		16,745	16,765	17,415	17,443	
E:		709.558,2622	709.557,0373	709.557,0373	709.556,0477	709.552,1768	709.548,3722	709.547,3827	709.547,3827	709.545,9902	
N:		7.090.277,2066	7.090.277,1647	7.090.277,1647	7.090.277,1309	7.090.276,9985	7.090.276,8684	7.090.276,8346	7.090.276,8346	7.090.276,7869	
Station: 26+0											
Dist. Eixo (m):		-6,105	-4,857	-4,857	-3,867	0,000	3,749	4,739	4,739	6,160	
Cota (m):		17,178	17,153	16,503	16,483		16,485	16,505	17,155	17,183	
E:		709.558,6205	709.557,3732	709.557,3732	709.556,3836	709.552,5186	709.548,7720	709.547,7826	709.547,7826	709.546,3625	
N:		7.090.267,2130	7.090.267,1704	7.090.267,1704	7.090.267,1365	7.090.267,0044	7.090.266,8762	7.090.266,8424	7.090.266,8424	7.090.266,7938	

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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET		SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)		OFFSET
Station: 28+0									
Dist. Eixo (m):			-6,114	-4,010	0,000	4,255	6,127		
Cota (m):			15,214	15,172		15,167	15,204		
E:			709.559,9919	709.557,8893	709.553,8816	709.549,6295	709.547,7586		
N:			7.090.227,2338	7.090.227,1628	7.090.227,0276	7.090.226,8841	7.090.226,8209		
Station: 28+10									
Dist. Eixo (m):			-6,040	-3,960	0,000	4,238	6,105		
Cota (m):			15,109	15,068		15,062	15,100		
E:			709.560,2556	709.558,1762	709.554,2189	709.549,9832	709.548,1170		
N:			7.090.217,2370	7.090.217,1668	7.090.217,0333	7.090.216,8903	7.090.216,8273		
Station: 29+0									
Dist. Eixo (m):			-5,998	-3,952	0,000	4,222	6,076		
Cota (m):			15,087	15,046		15,041	15,078		
E:			709.560,5509	709.558,5057	709.554,5562	709.550,3368	709.548,4838		
N:			7.090.207,2413	7.090.207,1723	7.090.207,0390	7.090.206,8966	7.090.206,8340		
Station: 29+10									
Dist. Eixo (m):			-5,990	-3,944	0,000	4,205	6,018		
Cota (m):			15,039	14,998		14,992	15,029		
E:			709.560,8799	709.558,8351	709.554,8935	709.550,6905	709.548,8788		
N:			7.090.197,2467	7.090.197,1777	7.090.197,0447	7.090.196,9028	7.090.196,8417		
Station: 30+0									
Dist. Eixo (m):			-6,005	-3,936	0,000	4,189	5,975		
Cota (m):			14,944	14,903		14,897	14,933		
E:			709.561,2326	709.559,1645	709.555,2308	709.551,0441	709.549,2592		
N:			7.090.187,2529	7.090.187,1831	7.090.187,0503	7.090.186,9091	7.090.186,8488		
Station: 30+10									
Dist. Eixo (m):			-6,021	-3,928	0,000	4,173	5,972		
Cota (m):			14,650	14,608		14,603	14,639		
E:			709.561,5852	709.559,4939	709.555,5681	709.551,3977	709.549,5998		
N:			7.090.177,2591	7.090.177,1885	7.090.177,0560	7.090.176,9153	7.090.176,8546		
Station: 31+0									
Dist. Eixo (m):			-5,978	-3,911	0,000	4,156	5,961		
Cota (m):			14,152	14,111	14,799	14,106	14,142		
E:			709.561,8800	709.559,8138	709.555,9054	709.551,7514	709.549,9474		
N:			7.090.167,2634	7.090.167,1936	7.090.167,0617	7.090.166,9215	7.090.166,8607		
Station: 31+10									
Dist. Eixo (m):			-5,969	-3,893	0,000	4,140	5,930		
Cota (m):			13,648	13,606		13,601	13,637		
E:			709.562,2080	709.560,1330	709.556,2427	709.552,1050	709.550,3162		
N:			7.090.157,2687	7.090.157,1987	7.090.157,0674	7.090.156,9278	7.090.156,8674		

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET		SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)		OFFSET
Station: 32+0									
Dist. Eixo (m):			-6,041	-3,902	0,000	4,124	5,879		
Cota (m):			13,077	13,035		13,030	13,065		
E:			709.562,6172	709.560,4794	709.556,5800	709.552,4586	709.550,7045		
N:			7.090.147,2769	7.090.147,2047	7.090.147,0731	7.090.146,9340	7.090.146,8748		
Station: 32+10									
Dist. Eixo (m):			-6,038	-3,954	0,000	4,107	5,785		
Cota (m):			12,534	12,492		12,489	12,523		
E:			709.562,9521	709.560,8692	709.556,9173	709.552,8123	709.551,1356		
N:			7.090.137,2825	7.090.137,2122	7.090.137,0788	7.090.136,9403	7.090.136,8837		
Station: 33+0									
Dist. Eixo (m):			-5,953	-3,985	0,000	4,091	6,196		
Cota (m):			12,178	12,139		12,137	12,179		
E:			709.563,2042	709.561,2377	709.557,2545	709.553,1659	709.551,0616		
N:			7.090.127,2853	7.090.127,2189	7.090.127,0845	7.090.126,9465	7.090.126,8755		
Station: 33+10									
Dist. Eixo (m):			-5,948	-4,007	0,000	4,075	6,258		
Cota (m):			11,886	11,847		11,846	11,890		
E:			709.563,5365	709.561,5963	709.557,5918	709.553,5196	709.551,3371		
N:			7.090.117,2908	7.090.117,2253	7.090.117,0902	7.090.116,9527	7.090.116,8791		
Station: 34+0									
Dist. Eixo (m):			-5,943	-4,028	0,000	4,058	5,346		
Cota (m):			11,776	11,737		11,737	11,762		
E:			709.563,8689	709.561,9549	709.557,9291	709.553,8732	709.552,5861		
N:			7.090.107,2963	7.090.107,2317	7.090.107,0959	7.090.106,9590	7.090.106,9156		

PREFEITURA MUNICIPAL DE JOINVILLE
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NOTA DE SERVIÇO
RUA JOAQUIM GIRARDI

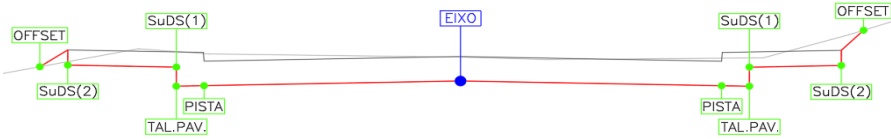
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET		SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)			OFFSET
Station: 34+10										
Dist. Eixo (m):			-5,938	-4,010	0,000					
Cota (m):			11,680	11,641						
E:			709.564,2012	709.562,2740	709.558,2664					
N:			7.090.097,3018	7.090.097,2368	7.090.097,1016					
Station: 35+0										
Dist. Eixo (m):			-5,933	-3,982	0,000					
Cota (m):			11,648	11,609						
E:			709.564,5338	709.562,5833	709.558,6037					
N:			7.090.087,3074	7.090.087,2415	7.090.087,1072					
Station: 35+10										
Dist. Eixo (m):			-5,929	-3,962	0,000	4,042	6,120			
Cota (m):			11,657	11,618		11,616	11,658			
E:			709.564,8669	709.562,9008	709.558,9410	709.554,9013	709.552,8240			
N:			7.090.077,3129	7.090.077,2466	7.090.077,1129	7.090.076,9766	7.090.076,9065			
Station: 36+0										
Dist. Eixo (m):			-5,925	-3,964	0,000	4,047	6,217			
Cota (m):			11,654	11,614		11,613	11,656			
E:			709.565,2000	709.563,2397	709.559,2783	709.555,2338	709.553,0647			
N:			7.090.067,3185	7.090.067,2523	7.090.067,1186	7.090.066,9821	7.090.066,9089			
Station: 36+10										
Dist. Eixo (m):			-5,921	-3,965	0,000	4,036	6,286			
Cota (m):			11,654	11,614		11,613	11,658			
E:			709.565,5331	709.563,5786	709.559,6156	709.555,5820	709.553,3329			
N:			7.090.057,3240	7.090.057,2581	7.090.057,1243	7.090.056,9882	7.090.056,9123			
Station: 37+0										
Dist. Eixo (m):			-5,923	-3,927	0,000	4,024	6,069			
Cota (m):			11,702	11,662		11,660	11,701			
E:			709.565,8727	709.563,8778	709.559,9529	709.555,9309	709.553,8875			
N:			7.090.047,3298	7.090.047,2625	7.090.047,1300	7.090.046,9943	7.090.046,9253			
Station: 37+10										
Dist. Eixo (m):			-5,926	-3,886	0,000	4,013	6,108			
Cota (m):			11,780	11,739		11,737	11,778			
E:			709.566,2126	709.564,1742	709.560,2901	709.556,2798	709.554,1853			
N:			7.090.037,3356	7.090.037,2668	7.090.037,1357	7.090.037,0004	7.090.036,9297			
Station: 38+0										
Dist. Eixo (m):			-5,876	-3,859	0,000	4,003	6,029			
Cota (m):			11,835	11,795		11,792	11,833			
E:			709.566,5002	709.564,4844	709.560,6274	709.556,6269	709.554,6024			
N:			7.090.027,3396	7.090.027,2715	7.090.027,1414	7.090.027,0064	7.090.026,9380			
Station: 38+10										
Dist. Eixo (m):			-5,865	-3,894	0,000	4,003	6,064			
Cota (m):			11,845	11,805		11,803	11,844			
E:			709.566,8266	709.564,8570	709.560,9647	709.556,9640	709.554,9046			
N:			7.090.017,3449	7.090.017,2784	7.090.017,1471	7.090.017,0121	7.090.016,9426			
Station: 39+0										
Dist. Eixo (m):			-5,904	-3,930	0,000	4,003	6,091			
Cota (m):			11,833	11,794		11,792	11,834			
E:			709.567,2026	709.565,2296	709.561,3020	709.557,3011	709.555,2145			
N:			7.090.007,3519	7.090.007,2853	7.090.007,1528	7.090.007,0177	7.090.006,9473			
Station: 39+10										
Dist. Eixo (m):			-5,943	-3,965	0,000	4,003	6,100			
Cota (m):			11,790	11,751		11,750	11,792			
E:			709.567,5786	709.565,6022	709.561,6393	709.557,6382	709.555,5428			
N:			7.089.997,3589	7.089.997,2922	7.089.997,1585	7.089.997,0234	7.089.996,9527			
Station: 40+0										
Dist. Eixo (m):			-5,982	-3,996	0,000	4,004	6,187			
Cota (m):			11,727	11,688		11,688	11,731			
E:			709.567,9551	709.565,9699	709.561,9766	709.557,9753	709.555,7935			
N:			7.089.987,3659	7.089.987,2989	7.089.987,1641	7.089.987,0291	7.089.986,9555			
Station: 40+10										
Dist. Eixo (m):			-5,994	-3,995	0,000	3,993	6,266			
Cota (m):			11,644	11,604		11,604	11,650			
E:			709.568,3048	709.566,3066	709.562,3139	709.558,3230	709.556,0515			
N:			7.089.977,3720	7.089.977,3046	7.089.977,1698	7.089.977,0351	7.089.976,9585			
Station: 41+0										
Dist. Eixo (m):			-5,998	-3,994	0,000	3,973	6,509			
Cota (m):			11,531	11,491		11,491	11,542			
E:			709.568,6459	709.566,6432	709.562,6512	709.558,6801	709.556,1463			
N:			7.089.967,3778	7.089.967,3102	7.089.967,1755	7.089.967,0415	7.089.966,9560			

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RUA JUVENTINO J. DA SILVA JR

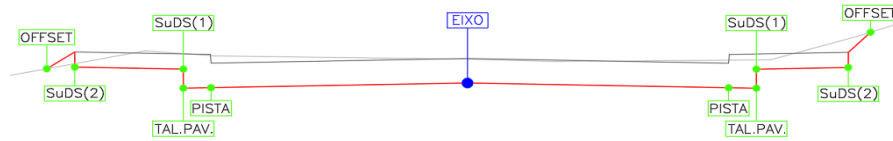
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):		-6,012	-4,869	-4,869	-4,011	0,000	4,122	4,979	4,979	6,123	
Cota Camada 1 (m)					14,382	14,463	14,380				
Cota Camada 6 (m)					14,342	14,423	14,340				
Cota Camada 7 (m)					14,192	14,273	14,190				
Cota Camada 8 (m)					14,042	14,123	14,040				
Cota (m):		14,312	14,289	13,525	13,542	13,623	13,540	13,523	14,287	14,310	
E:		708.305,18	708.305,21	708.305,2129	708.305,24	708.305,35	708.305,47	708.305,49	708.305,4928	708.305,53	
N:		7.090.450,13	7.090.448,99	7.090.448,9882	7.090.448,13	7.090.444,12	7.090.440,00	7.090.439,14	7.090.439,1441	7.090.438,00	
Station: 0+10											
Dist. Eixo (m):		-5,897	-4,863	-4,863	-4,005	0,000	4,058	4,915	4,915	5,887	
Cota Camada 1 (m)					14,333	14,413	14,332				
Cota Camada 6 (m)					14,293	14,373	14,292				
Cota Camada 7 (m)					14,143	14,223	14,142				
Cota Camada 8 (m)					13,993	14,073	13,992				
Cota (m):		14,261	14,240	13,476	13,493	13,573	13,492	13,475	14,239	14,258	
E:		708.315,18	708.315,21	708.315,2090	708.315,23	708.315,35	708.315,46	708.315,49	708.315,4870	708.315,51	
N:		7.090.450,30	7.090.449,27	7.090.449,2663	7.090.448,41	7.090.444,41	7.090.440,35	7.090.439,49	7.090.439,4922	7.090.438,52	
Station: 1+0											
Dist. Eixo (m):		-6,022	-4,904	-4,904	-4,047	0,000	4,262	5,119	5,119	6,193	
Cota Camada 1 (m)					14,283	14,363	14,278				
Cota Camada 6 (m)					14,243	14,323	14,238				
Cota Camada 7 (m)					14,093	14,173	14,088				
Cota Camada 8 (m)					13,943	14,023	13,938				
Cota (m):		14,212	14,189	13,426	13,443	13,523	13,438	13,421	14,186	14,207	
E:		708.325,17	708.325,20	708.325,2038	708.325,23	708.325,34	708.325,46	708.325,49	708.325,4887	708.325,52	
N:		7.090.450,71	7.090.449,59	7.090.449,5923	7.090.448,74	7.090.444,69	7.090.440,43	7.090.439,57	7.090.439,5733	7.090.438,50	
Station: 1+2											
Dist. Eixo (m):		-6,882	-5,378	-5,378	-4,520	0,000	5,043	5,900	5,900	7,276	
Cota Camada 1 (m)					14,261	14,352	14,251				
Cota Camada 6 (m)					14,221	14,312	14,211				
Cota Camada 7 (m)					14,071	14,162	14,061				
Cota Camada 8 (m)					13,921	14,012	13,911				
Cota (m):		14,198	14,168	13,404	13,421	13,512	13,411	13,394	14,157	14,185	
E:		708.327,55	708.327,59	708.327,5934	708.327,62	708.327,75	708.327,89	708.327,91	708.327,9140	708.327,95	
N:		7.090.451,64	7.090.450,13	7.090.450,1336	7.090.449,28	7.090.444,76	7.090.439,72	7.090.438,86	7.090.438,8602	7.090.437,48	
Station: 1+17											
Dist. Eixo (m):		-8,985	-5,932	-5,932	-5,074	0,000	4,283	5,140	5,140	6,983	
Cota (m):		14,198	14,137	13,373	13,390	13,492	13,406	13,389	14,153	14,190	
E:		708.342,62	708.342,71	708.342,7105	708.342,73	708.342,88	708.343,00	708.343,03	708.343,0252	708.343,08	
N:		7.090.454,17	7.090.451,12	7.090.451,1179	7.090.450,26	7.090.445,19	7.090.440,91	7.090.440,05	7.090.440,0504	7.090.438,21	
Station: 2+0											
Dist. Eixo (m):		-6,912	-5,169	-5,169	-4,312	0,000	3,790	4,647	4,647	5,577	
Cota Camada 1 (m)					14,273	14,359	14,283				
Cota Camada 6 (m)					14,233	14,319	14,243				
Cota Camada 7 (m)					14,083	14,169	14,093				
Cota Camada 8 (m)					13,933	14,019	13,943				
Cota (m):		14,215	14,180	13,416	13,433	13,519	13,443	13,426	14,190	14,209	
E:		708.345,14	708.345,19	708.345,1882	708.345,21	708.345,34	708.345,44	708.345,47	708.345,4672	708.345,49	
N:		7.090.452,17	7.090.450,43	7.090.450,4253	7.090.449,57	7.090.445,26	7.090.441,47	7.090.440,61	7.090.440,6134	7.090.439,68	
Station: 2+10											
Dist. Eixo (m):		-6,151	-5,109	-5,109	-4,251	0,000	3,749	4,606	4,606	5,600	
Cota Camada 1 (m)					14,339	14,424	14,349				
Cota Camada 6 (m)					14,299	14,384	14,309				
Cota Camada 7 (m)					14,149	14,234	14,159				
Cota Camada 8 (m)					13,999	14,084	14,009				
Cota (m):		14,267	14,246	13,482	13,499	13,584	13,509	13,492	14,256	14,276	
E:		708.355,16	708.355,19	708.355,1858	708.355,21	708.355,33	708.355,44	708.355,46	708.355,4620	708.355,49	
N:		7.090.451,69	7.090.450,65	7.090.450,6492	7.090.449,79	7.090.445,54	7.090.441,80	7.090.440,94	7.090.440,9386	7.090.439,95	
Station: 3+0											
Dist. Eixo (m):		-6,196	-5,153	-5,153	-4,296	0,000	3,704	4,561	4,561	5,661	
Cota Camada 1 (m)					14,333	14,419	14,345				
Cota Camada 6 (m)					14,293	14,379	14,305				
Cota Camada 7 (m)					14,143	14,229	14,155				
Cota Camada 8 (m)					13,993	14,079	14,005				
Cota (m):		14,261	14,240	13,476	13,493	13,579	13,505	13,488	14,252	14,274	
E:		708.365,15	708.365,18	708.365,1805	708.365,20	708.365,33	708.365,43	708.365,46	708.365,4567	708.365,49	
N:		7.090.452,02	7.090.450,98	7.090.450,9782	7.090.450,12	7.090.445,83	7.090.442,12	7.090.441,27	7.090.441,2676	7.090.440,17	
Station: 3+10											
Dist. Eixo (m):		-6,241	-5,198	-5,198	-4,341	0,000	3,532	4,389	4,389	5,432	
Cota Camada 1 (m)					14,326	14,413	14,342				
Cota Camada 6 (m)					14,286	14,373	14,302				
Cota Camada 7 (m)					14,136	14,223	14,152				
Cota Camada 8 (m)					13,986	14,073	14,002				
Cota (m):		14,254	14,233	13,469	13,486	13,573	13,502	13,485	14,249	14,270	
E:		708.375,15	708.375,18	708.375,1752	708.375,20	708.375,32	708.375,42	708.375,45	708.375,4477	708.375,48	
N:		7.090.452,35	7.090.451,31	7.090.451,3072	7.090.450,45	7.090.446,11	7.090.442,58	7.090.441,72	7.090.441,7243	7.090.440,68	

PREFEITURA MUNICIPAL DE JOINVILLE
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NOTA DE SERVIÇO
RUA JUVENTINO J. DA SILVA JR

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 3+16											
Dist. Eixo (m):		-6,264	-5,219	-5,219	-4,363	0,000	3,422	4,279	4,279	5,323	
Cota Camada 1 (m)					14,322	14,409	14,341				
Cota Camada 6 (m)					14,282	14,369	14,301				
Cota Camada 7 (m)					14,132	14,219	14,151				
Cota Camada 8 (m)					13,982	14,069	14,001				
Cota (m):		14,250	14,229	13,465	13,482	13,569	13,501	13,483	14,247	14,268	
E:		708.381,34	708.381,37	708.381,3669	708.381,39	708.381,52	708.381,61	708.381,64	708.381,6371	708.381,67	
N:		7.090.452,56	7.090.451,51	7.090.451,5110	7.090.450,65	7.090.446,29	7.090.442,87	7.090.442,01	7.090.442,0097	7.090.440,97	
Station: 3+18											
Dist. Eixo (m):		-6,208	-5,130	-5,130	-4,273	0,000	5,000	5,857	5,857	6,200	
Cota Camada 1 (m)					14,322	14,408	14,308				
Cota Camada 6 (m)					14,282	14,368	14,268				
Cota Camada 7 (m)					14,132	14,218	14,118				
Cota Camada 8 (m)					13,982	14,068	13,968				
Cota (m):		14,251	14,229	13,465	13,482	13,568	13,468	13,451	14,214	14,221	
E:		708.383,28	708.383,36	708.383,3623	708.383,43	708.383,76	708.384,14	708.384,21	708.384,2093	708.384,24	
N:		7.090.452,65	7.090.451,58	7.090.451,5758	7.090.450,72	7.090.446,46	7.090.441,48	7.090.440,62	7.090.440,6210	7.090.440,28	

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DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA LEOPOLDO BENINCA

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO(2)	PASSEIO(1)	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	PASSEIO(1)	PASSEIO(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):		-13,755	-9,370	-9,370	-8,380	0,000	8,140	9,130	9,130	12,689	
Cota (m):		11,240	11,153	10,503	10,483	11,250	10,488	10,507	11,157	11,229	
E:		709.656,4757	709.656,6581	709.656,6581	709.656,6992	709.657,0477	709.657,3862	709.657,4273	709.657,4273	709.657,5753	
N:		7.090.263,2193	7.090.258,8382	7.090.258,8382	7.090.257,8489	7.090.249,4766	7.090.241,3438	7.090.240,3547	7.090.240,3547	7.090.236,7984	
Station: 0+9											
Dist. Eixo (m):		-8,053	-6,223	-6,223	-5,233	0,000	5,230	6,220	6,220	7,666	
Cota (m):		11,181	11,144	10,494	10,474	11,179	10,474	10,494	11,144	11,173	
E:		709.666,2617	709.666,3378	709.666,3378	709.666,3790	709.666,5966	709.666,8141	709.666,8553	709.666,8553	709.666,9154	
N:		7.090.257,9203	7.090.256,0917	7.090.256,0917	7.090.255,1024	7.090.249,8740	7.090.244,6483	7.090.243,6591	7.090.243,6591	7.090.242,2148	
Station: 0+10											
Dist. Eixo (m):		-8,049	-6,222	-6,222	-5,231	0,000	5,217	6,207	6,207	7,664	
Cota (m):		11,177	11,140	10,490	10,471	11,175	10,471	10,491	11,141	11,170	
E:		709.666,7043	709.666,7803	709.666,7803	709.666,8215	709.667,0390	709.667,2560	709.667,2972	709.667,2972	709.667,3577	
N:		7.090.257,9347	7.090.256,1086	7.090.256,1086	7.090.255,1193	7.090.249,8924	7.090.244,6798	7.090.243,6906	7.090.243,6906	7.090.242,2347	
Station: 1+0											
Dist. Eixo (m):		-7,959	-6,187	-6,187	-5,197	0,000	5,043	6,033	6,033	7,630	
Cota (m):		11,091	11,056	10,406	10,386	11,090	10,389	10,409	11,059	11,091	
E:		709.676,6994	709.676,7731	709.676,7731	709.676,8143	709.677,0304	709.677,2401	709.677,2812	709.677,2812	709.677,3477	
N:		7.090.258,2802	7.090.256,4901	7.090.256,4901	7.090.255,5008	7.090.250,3082	7.090.245,2700	7.090.244,2809	7.090.244,2809	7.090.242,6850	
Station: 1+10											
Dist. Eixo (m):		-7,868	-6,153	-6,153	-5,163	0,000	5,042	6,032	6,032	7,595	
Cota (m):		11,040	11,005	10,355	10,336	11,039	10,338	10,358	11,008	11,039	
E:		709.686,6945	709.686,7659	709.686,7659	709.686,8070	709.687,0217	709.687,2314	709.687,2726	709.687,2726	709.687,3376	
N:		7.090.258,5857	7.090.256,8717	7.090.256,8717	7.090.255,8823	7.090.250,7241	7.090.245,6864	7.090.244,6972	7.090.244,6972	7.090.243,1353	
Station: 2+0											
Dist. Eixo (m):		-7,778	-6,119	-6,119	-5,128	0,000	5,042	6,032	6,032	7,561	
Cota (m):		10,997	10,963	10,313	10,294	10,996	10,295	10,315	10,965	10,996	
E:		709.696,6896	709.696,7586	709.696,7586	709.696,7998	709.697,0131	709.697,2227	709.697,2639	709.697,2639	709.697,3275	
N:		7.090.259,9112	7.090.257,2532	7.090.257,2532	7.090.256,2639	7.090.251,1399	7.090.246,1027	7.090.245,1136	7.090.245,1136	7.090.243,5855	
Station: 2+10											
Dist. Eixo (m):		-7,688	-6,084	-6,084	-5,094	0,000	5,065	6,055	6,055	7,526	
Cota (m):		10,968	10,933	10,283	10,264	10,965	10,264	10,284	10,934	10,963	
E:		709.706,6848	709.706,7514	709.706,7514	709.706,7926	709.707,0044	709.707,2150	709.707,2562	709.707,2562	709.707,3174	
N:		7.090.259,2366	7.090.257,6348	7.090.257,6348	7.090.256,6454	7.090.251,5558	7.090.246,4955	7.090.245,5063	7.090.245,5063	7.090.244,0358	
Station: 2+14											
Dist. Eixo (m):		-7,651	-6,068	-6,068	-5,078	0,000	5,078	6,068	6,068	7,513	
Cota (m):		10,953	10,921	10,271	10,252	10,953	10,252	10,271	10,921	10,950	
E:		709.710,6909	709.710,7567	709.710,7567	709.710,7979	709.711,0091	709.711,2202	709.711,2614	709.711,2614	709.711,3215	
N:		7.090.259,3671	7.090.257,7855	7.090.257,7855	7.090.256,7961	7.090.251,7224	7.090.246,6487	7.090.245,6595	7.090.245,6595	7.090.244,2163	
Station: 3+0											
Dist. Eixo (m):		-7,654	-6,067	-6,067	-5,077	0,000	5,075	6,065	6,065	7,469	
Cota (m):		10,943	10,911	10,261	10,241	10,943	10,241	10,261	10,911	10,939	
E:		709.716,7082	709.716,7680	709.716,7680	709.716,8053	709.716,9967	709.717,1880	709.717,2253	709.717,2253	709.717,2782	
N:		7.090.259,5968	7.090.258,0110	7.090.258,0110	7.090.257,0215	7.090.251,9483	7.090.246,8770	7.090.245,8877	7.090.245,8877	7.090.244,4847	
Station: 3+10											
Dist. Eixo (m):		-8,182	-6,065	-6,065	-5,075	0,000	5,069	6,059	6,059	7,454	
Cota (m):		10,945	10,903	10,253	10,233	10,935	10,233	10,253	10,903	10,931	
E:		709.726,6812	709.726,7610	709.726,7610	709.726,7983	709.726,9996	709.727,1807	709.727,2180	709.727,2180	709.727,2706	
N:		7.090.260,5011	7.090.258,3859	7.090.258,3859	7.090.257,3964	7.090.252,3252	7.090.247,2599	7.090.246,2706	7.090.246,2706	7.090.244,8769	
Station: 4+0											
Dist. Eixo (m):		-8,112	-6,063	-6,063	-5,073	0,000	5,063	6,053	6,053	7,496	
Cota (m):		10,936	10,895	10,245	10,225	10,927	10,226	10,245	10,895	10,924	
E:		709.736,6767	709.736,7540	709.736,7540	709.736,7913	709.736,9825	709.737,1733	709.737,2107	709.737,2107	709.737,2651	
N:		7.090.260,8084	7.090.258,7607	7.090.258,7607	7.090.257,7712	7.090.252,7022	7.090.247,6428	7.090.246,6535	7.090.246,6535	7.090.245,2113	
Station: 4+10											
Dist. Eixo (m):		-8,042	-6,061	-6,061	-5,071	0,000	5,058	6,048	6,048	7,782	
Cota (m):		10,907	10,868	10,218	10,198	10,899	10,198	10,218	10,868	10,903	
E:		709.746,6722	709.746,7469	709.746,7469	709.746,7843	709.746,9754	709.747,1660	709.747,2033	709.747,2033	709.747,2687	
N:		7.090.261,1157	7.090.259,1356	7.090.259,1356	7.090.258,1461	7.090.253,0791	7.090.248,0250	7.090.247,0357	7.090.247,0357	7.090.245,3029	
Station: 5+0											
Dist. Eixo (m):		-7,973	-6,059	-6,059	-5,069	0,000	5,061	6,051	6,051	8,041	
Cota (m):		10,880	10,842	10,192	10,172	10,873	10,172	10,192	10,842	10,882	
E:		709.756,6678	709.756,7399	709.756,7399	709.756,7772	709.756,9683	709.757,1590	709.757,1964	709.757,1964	709.757,2714	
N:		7.090.261,4231	7.090.259,5105	7.090.259,5105	7.090.258,5210	7.090.253,4560	7.090.248,3987	7.090.247,4094	7.090.247,4094	7.090.245,4208	
Station: 5+10											
Dist. Eixo (m):		-7,903	-6,057	-6,057	-5,066	0,000	5,064	6,054	6,054	8,030	
Cota (m):		10,902	10,865	10,215	10,195	10,897	10,195	10,215	10,865	10,905	
E:		709.766,6633	709.766,7329	709.766,7329	709.766,7702	709.766,9612	709.767,1521	709.767,1894	709.767,1894	709.767,2639	
N:		7.090.261,7304	7.090.259,8853	7.090.259,8853	7.090.258,8958	7.090.253,8330	7.090.248,7724	7.090.247,7831	7.090.247,7831	7.090.245,8083	
Station: 5+14											
Dist. Eixo (m):		-7,873	-6,056	-6,056	-5,066	0,000	5,065	6,055	6,055	8,026	
Cota (m):		10,912	10,875	10,225	10,205	10,907	10,205	10,225	10,875	10,915	
E:		709.771,0262	709.771,0947	709.771,0947	709.771,1320	709.771,3230	709.771,5139	709.771,5512	709.771,5512	709.771,6255	
N:		7.090.261,8646	7.090.260,0489	7.090.260,0489	7.090.259,0595	7.090.253,9975	7.090.248,9355	7.090.247,9462	7.090.247,9462	7.090.245,9774	
Station: 6+0											
Dist. Eixo (m):		-7,877	-6,099	-6,099	-5,109	0,000	5,024	6,014	6,014	7,976	
Cota (m):		10,922	10,886	10,236	10,217	10,918	10,218	10,238	10,888	10,927	
E:		709.776,7201	709.776,7732	709.776,7732	709.776,8028	709.776,9556	709.777,1057	709.777,1353	709.777,1353	709.777,1940	
N:		7.090.262,0396	7.090.260,2619	7.090.260,2619	7.090.259,2722	7.090.254,1660	7.090.249,1446	7.090.248,1551	7.090.248,1551	7.090.246,1933	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA LEOPOLDO BENINCA

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO(2)	PASSEIO(1)	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	PASSEIO(1)	PASSEIO(2)	OFFSET
Station: 6+10											
Dist. Eixo (m):		-7,879	-6,175	-6,175	-5,184	0,000	4,998	5,988	5,988	7,888	
Cota (m):		10,960	10,926	10,276	10,257	10,960	10,260	10,280	10,930	10,968	
E:		709.786,7155	709.786,7665	709.786,7665	709.786,7961	709.786,9511	709.787,1005	709.787,1301	709.787,1301	709.787,1869	
N:		7.090.262,3408	7.090.260,6368	7.090.260,6368	7.090.259,9471	7.090.254,4649	7.090.249,4694	7.090.248,4799	7.090.248,4799	7.090.246,5808	
Station: 7+0											
Dist. Eixo (m):		-7,878	-6,176	-6,176	-5,186	0,000	5,001	5,991	5,991	7,803	
Cota (m):		10,999	10,965	10,315	10,295	10,999	10,299	10,319	10,969	11,005	
E:		709.796,7111	709.796,7620	709.796,7620	709.796,7916	709.796,9466	709.797,0961	709.797,1257	709.797,1257	709.797,1799	
N:		7.090.262,6386	7.090.260,9368	7.090.260,9368	7.090.259,9471	7.090.254,7638	7.090.249,7651	7.090.248,7756	7.090.248,7756	7.090.246,9646	
Station: 7+10											
Dist. Eixo (m):		-7,877	-6,148	-6,148	-5,158	0,000	5,004	5,994	5,994	7,719	
Cota (m):		10,986	10,951	10,301	10,281	10,984	10,284	10,304	10,954	10,989	
E:		709.806,7067	709.806,7584	709.806,7584	709.806,7880	709.806,9421	709.807,0917	709.807,1213	709.807,1213	709.807,1729	
N:		7.090.262,9364	7.090.261,2085	7.090.261,2085	7.090.260,2187	7.090.255,0628	7.090.250,0608	7.090.249,0713	7.090.249,0713	7.090.247,3468	
Station: 8+0											
Dist. Eixo (m):		-7,876	-6,121	-6,121	-5,131	0,000	5,007	5,997	5,997	7,636	
Cota (m):		10,970	10,935	10,285	10,265	10,968	10,268	10,287	10,937	10,970	
E:		709.816,7022	709.816,7547	709.816,7547	709.816,7843	709.816,9377	709.817,0874	709.817,1170	709.817,1170	709.817,1659	
N:		7.090.263,2342	7.090.261,4801	7.090.261,4801	7.090.260,4903	7.090.255,3617	7.090.250,3566	7.090.249,3670	7.090.249,3670	7.090.247,7291	
Station: 8+10											
Dist. Eixo (m):		-7,875	-6,094	-6,094	-5,104	0,000	5,011	6,001	6,001	7,553	
Cota (m):		10,890	10,855	10,205	10,185	10,887	10,187	10,207	10,857	10,888	
E:		709.826,6978	709.826,7510	709.826,7510	709.826,7806	709.826,9332	709.827,0830	709.827,1126	709.827,1126	709.827,1590	
N:		7.090.263,5320	7.090.261,7517	7.090.261,7517	7.090.260,7620	7.090.255,6606	7.090.250,6523	7.090.249,6627	7.090.249,6627	7.090.248,1114	
Station: 8+17											
Dist. Eixo (m):		-7,874	-6,074	-6,074	-5,084	0,000	5,086	6,076	6,076	7,494	
Cota (m):		10,831	10,795	10,145	10,126	10,827	10,126	10,145	10,795	10,824	
E:		709.833,7806	709.833,8344	709.833,8344	709.833,8640	709.834,0160	709.834,1680	709.834,1976	709.834,1976	709.834,2400	
N:		7.090.263,7430	7.090.261,9442	7.090.261,9442	7.090.260,9544	7.090.255,8724	7.090.250,7889	7.090.249,7994	7.090.249,7994	7.090.248,3823	
Station: 9+0											
Dist. Eixo (m):		-7,874	-6,067	-6,067	-5,077	0,000					
Cota (m):		10,807	10,771	10,121	10,101	10,802					
E:		709.836,6944	709.836,7482	709.836,7482	709.836,7777	709.836,9288					
N:		7.090.263,8298	7.090.262,0234	7.090.262,0234	7.090.261,0336	7.090.255,9592					
Station: 9+10											
Dist. Eixo (m):		-7,874	-6,062	-6,062	-5,071	0,000					
Cota (m):		10,874	10,838	10,188	10,168	10,870					
E:		709.846,6900	709.846,7439	709.846,7439	709.846,7734	709.846,9243					
N:		7.090.264,1275	7.090.262,3157	7.090.262,3157	7.090.261,3259	7.090.256,2568					
Station: 10+0											
Dist. Eixo (m):		-7,874	-6,080	-6,080	-5,089	0,000					
Cota (m):		10,950	10,914	10,264	10,244	10,945					
E:		709.856,6855	709.856,7389	709.856,7389	709.856,7684	709.856,9199					
N:		7.090.264,4253	7.090.262,6314	7.090.262,6314	7.090.261,6416	7.090.256,5544					
Station: 10+10											
Dist. Eixo (m):		-7,875	-6,098	-6,098	-5,107	0,000	5,245	6,235	6,235	7,468	
Cota (m):		10,947	10,911	10,261	10,241	10,943	10,239	10,259	10,909	10,933	
E:		709.866,6811	709.866,7340	709.866,7340	709.866,7634	709.866,9155	709.867,0716	709.867,1010	709.867,1010	709.867,1377	
N:		7.090.264,7231	7.090.262,9470	7.090.262,9470	7.090.261,9573	7.090.256,8521	7.090.251,6094	7.090.250,6199	7.090.250,6199	7.090.249,3876	
Station: 11+0											
Dist. Eixo (m):		-7,875	-6,116	-6,116	-5,126	0,000	5,276	6,266	6,266	7,472	
Cota (m):		10,914	10,879	10,229	10,209	10,911	10,206	10,226	10,876	10,900	
E:		709.876,6767	709.876,7290	709.876,7290	709.876,7585	709.876,9110	709.877,0681	709.877,0975	709.877,0975	709.877,1334	
N:		7.090.265,0209	7.090.263,2627	7.090.263,2627	7.090.262,2730	7.090.257,1497	7.090.251,8756	7.090.250,8860	7.090.250,8860	7.090.249,6809	
Station: 11+10											
Dist. Eixo (m):		-7,875	-6,134	-6,134	-5,144	0,000	5,308	6,298	6,298	7,476	
Cota (m):		10,890	10,855	10,205	10,185	10,888	10,182	10,202	10,852	10,875	
E:		709.886,6722	709.886,7240	709.886,7240	709.886,7535	709.886,9066	709.887,0646	709.887,0940	709.887,0940	709.887,1291	
N:		7.090.265,3192	7.090.263,5784	7.090.263,5784	7.090.262,5887	7.090.257,4473	7.090.252,1418	7.090.251,1522	7.090.251,1522	7.090.249,9742	
Station: 12+0											
Dist. Eixo (m):		-7,877	-6,152	-6,152	-5,162	0,000	5,201	6,191	6,191	7,481	
Cota (m):		10,891	10,856	10,206	10,187	10,890	10,186	10,206	10,856	10,881	
E:		709.896,6677	709.896,7191	709.896,7191	709.896,7485	709.896,9022	709.897,0570	709.897,0864	709.897,0864	709.897,1248	
N:		7.090.265,6181	7.090.263,8941	7.090.263,8941	7.090.262,9044	7.090.257,7449	7.090.252,5464	7.090.251,5569	7.090.251,5569	7.090.250,2676	
Station: 12+2											
Dist. Eixo (m):		-7,877	-6,157	-6,157	-5,167	0,000	5,163	6,153	6,153	7,482	
Cota (m):		10,891	10,857	10,207	10,187	10,890	10,187	10,207	10,857	10,884	
E:		709.899,5089	709.899,5601	709.899,5601	709.899,5896	709.899,7434	709.899,8970	709.899,9265	709.899,9265	709.899,9661	
N:		7.090.265,7030	7.090.263,9839	7.090.263,9839	7.090.262,9941	7.090.257,8295	7.090.252,6693	7.090.251,6797	7.090.251,6797	7.090.250,3510	
Station: 12+10											
Dist. Eixo (m):		-7,839	-6,131	-6,131	-5,140	0,000	5,105	6,095	6,095	7,524	
Cota (m):		10,893	10,859	10,209	10,189	10,891	10,189	10,209	10,859	10,888	
E:		709.906,6201	709.906,6803	709.906,6803	709.906,7152	709.906,8965	709.907,0765	709.907,1114	709.907,1114	709.907,1618	
N:		7.090.265,9156	7.090.264,2087	7.090.264,2087	7.090.263,2192	7.090.258,0819	7.090.252,9798	7.090.251,9904	7.090.251,9904	7.090.250,5621	
Station: 13+0											
Dist. Eixo (m):		-7,785	-6,101	-6,101	-5,111	0,000	5,026	6,016	6,016	7,584	
Cota (m):		10,889	10,855	10,205	10,185	10,887	10,187	10,207	10,857	10,888	
E:		709.916,6157	709.916,6751	709.916,6751	709.916,7100	709.916,8902	709.917,0675	709.917,1024	709.917,1024	709.917,1576	
N:		7.090.266,2145	7.090.264,5321	7.090.264,5321	7.090.263,5425	7.090.258,4345	7.090.253,4118	7.090.252,4225	7.090.252,4225	7.090.250,8555	

PREFEITURA MUNICIPAL DE JOINVILLE
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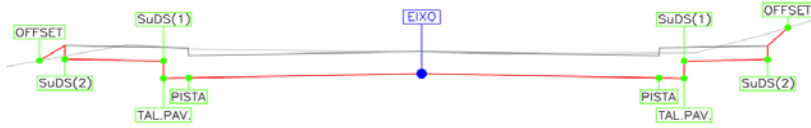
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO(2)	PASSEIO(1)	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	PASSEIO(1)	PASSEIO(2)	OFFSET
Station: 13+10											
Dist. Eixo (m):		-7,739	-6,094	-6,094	-5,104	0,000	5,004	5,994	5,994	7,643	
Cota (m):		10,884	10,852	10,202	10,182	10,884	10,184	10,204	10,854	10,887	
E:		709.926,6111	709.926,6692	709.926,6692	709.926,7041	709.926,8840	709.927,0605	709.927,0954	709.927,0954	709.927,1535	
N:		7.090.266,5216	7.090.264,8772	7.090.264,8772	7.090.263,8876	7.090.258,7871	7.090.253,7867	7.090.252,7973	7.090.252,7973	7.090.251,1488	
Station: 13+0											
Dist. Eixo (m):		-7,763	-6,086	-6,086	-5,096	0,000	5,024	6,014	6,014	7,702	
Cota (m):		10,877	10,844	10,194	10,174	10,876	10,175	10,195	10,845	10,879	
E:		709.936,6041	709.936,6632	709.936,6632	709.936,6981	709.936,8778	709.937,0550	709.937,0899	709.937,0899	709.937,1494	
N:		7.090.266,8978	7.090.265,2224	7.090.265,2224	7.090.264,2328	7.090.259,1397	7.090.254,1188	7.090.253,1294	7.090.253,1294	7.090.251,4422	
Station: 14+10											
Dist. Eixo (m):		-7,786	-6,079	-6,079	-5,089	0,000	5,045	6,035	6,035	7,762	
Cota (m):		10,889	10,855	10,205	10,185	10,887	10,186	10,206	10,856	10,891	
E:		709.946,5970	709.946,6572	709.946,6572	709.946,6922	709.946,8716	709.947,0495	709.947,0844	709.947,0844	709.947,1453	
N:		7.090.267,2739	7.090.265,5675	7.090.265,5675	7.090.264,5779	7.090.259,4923	7.090.254,4508	7.090.253,4614	7.090.253,4614	7.090.251,7355	
Station: 15+0											
Dist. Eixo (m):		-7,810	-6,071	-6,071	-5,081	0,000	5,010	6,000	6,000	7,821	
Cota (m):		10,920	10,886	10,236	10,216	10,917	10,217	10,237	10,887	10,923	
E:		709.956,5900	709.956,6513	709.956,6513	709.956,6862	709.956,8654	709.957,0420	709.957,0769	709.957,0769	709.957,1411	
N:		7.090.267,6501	7.090.265,9126	7.090.265,9126	7.090.264,9230	7.090.259,8449	7.090.254,8380	7.090.253,8487	7.090.253,8487	7.090.252,0289	
Station: 15+10											
Dist. Eixo (m):		-7,834	-6,064	-6,064	-5,074	0,000	5,010	6,000	6,000	7,880	
Cota (m):		10,951	10,916	10,266	10,246	10,947	10,247	10,267	10,917	10,954	
E:		709.966,5829	709.966,6453	709.966,6453	709.966,6802	709.966,8592	709.967,0358	709.967,0707	709.967,0707	709.967,1370	
N:		7.090.268,0263	7.090.266,2577	7.090.266,2577	7.090.265,2682	7.090.260,1975	7.090.255,1906	7.090.254,2013	7.090.254,2013	7.090.252,3222	
Station: 16+0											
Dist. Eixo (m):		-7,839	-6,057	-6,057	-5,066	0,000	5,010	6,000	6,000	7,939	
Cota (m):		11,066	11,031	10,381	10,361	11,062	10,362	10,382	11,032	11,071	
E:		709.976,5765	709.976,6394	709.976,6394	709.976,6743	709.976,8529	709.977,0296	709.977,0645	709.977,0645	709.977,1329	
N:		7.090.268,3843	7.090.266,6029	7.090.266,6029	7.090.265,6133	7.090.260,5501	7.090.255,5432	7.090.254,5539	7.090.254,5539	7.090.252,6156	
Station: 16+10											
Dist. Eixo (m):		-7,843	-6,049	-6,049	-5,059	0,000	5,010	6,000	6,000	8,031	
Cota (m):		11,185	11,150	10,500	10,480	11,181	10,481	10,501	11,151	11,191	
E:		709.986,5702	709.986,6334	709.986,6334	709.986,6683	709.986,8467	709.987,0234	709.987,0583	709.987,0583	709.987,1299	
N:		7.090.268,7405	7.090.266,9480	7.090.266,9480	7.090.265,9584	7.090.260,9027	7.090.255,8958	7.090.254,9065	7.090.254,9065	7.090.252,8765	
Station: 17+0											
Dist. Eixo (m):		-7,846	-6,061	-6,061	-5,071	0,000	5,010	6,000	6,000	8,173	
Cota (m):		11,453	11,417	10,767	10,747	11,448	10,748	10,768	11,418	11,462	
E:		709.996,5638	709.996,6268	709.996,6268	709.996,6617	709.996,8405	709.997,0172	709.997,0521	709.997,0521	709.997,1287	
N:		7.090.269,0968	7.090.267,3124	7.090.267,3124	7.090.266,3228	7.090.261,2553	7.090.256,2484	7.090.255,2591	7.090.255,2591	7.090.253,0877	
Station: 17+6											
Dist. Eixo (m):		-7,849	-6,078	-6,078	-5,088	0,000	5,010	6,000	6,000	8,271	
Cota (m):		11,661	11,625	10,975	10,955	11,657	10,957	10,977	11,627	11,672	
E:		710.003,4957	710.003,5581	710.003,5581	710.003,5931	710.003,7725	710.003,9491	710.003,9840	710.003,9840	710.004,0641	
N:		7.090.269,3439	7.090.267,5741	7.090.267,5741	7.090.266,5845	7.090.261,4999	7.090.256,4930	7.090.255,5036	7.090.255,5036	7.090.253,2343	
Station: 17+10											
Dist. Eixo (m):		-7,848	-6,083	-6,083	-5,093	0,000	5,010	6,000	6,000	8,316	
Cota (m):		11,752	11,717	11,067	11,047	11,749	11,049	11,069	11,719	11,765	
E:		710.006,5517	710.006,6152	710.006,6152	710.006,6509	710.006,8342	710.007,0146	710.007,0502	710.007,0502	710.007,1336	
N:		7.090.269,4528	7.090.267,6895	7.090.267,6895	7.090.266,6999	7.090.261,6102	7.090.256,6034	7.090.255,6141	7.090.255,6141	7.090.253,2991	
Station: 17+17											
Dist. Eixo (m):		-7,670	-6,096	-6,096	-5,106	0,000	5,010	6,000	6,000	8,427	
Cota (m):		11,987	11,956	11,306	11,286	11,988	11,288	11,308	11,958	12,006	
E:		710.013,9598	710.014,0164	710.014,0164	710.014,0521	710.014,2359	710.014,4162	710.014,4518	710.014,4518	710.014,5392	
N:		7.090.269,5415	7.090.267,9689	7.090.267,9689	7.090.266,9793	7.090.261,8768	7.090.256,8701	7.090.255,8807	7.090.255,8807	7.090.253,4556	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist.eixo (m)					-8,000	0,000	5,000	5,398	5,398	8,000	
Cota Camada 1 (m)					10,543	10,703	10,603				
Cota Camada 3 (m)					10,463	10,623	10,523				
Cota Camada 6 (m)					10,423	10,583	10,483				
Cota Camada 7 (m)					10,303	10,463	10,363				
Cota (m)					10,153	10,313	10,213	10,205	10,501	10,553	
E					709,812.1869	709,804.1914	709,799.1942	709,798.7965	709,798.7965	709,796.1959	
N					7,089,214.9399	7,089,214.6706	7,089,214.5023	7,089,214.4889	7,089,214.4889	7,089,214.4013	
Station: 0+10											
Dist.eixo (m)		-6,058	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,999	6,373
Cota Camada 1 (m)					10,678	10,758	10,678				
Cota Camada 3 (m)					10,598	10,678	10,598				
Cota Camada 6 (m)					10,558	10,638	10,558				
Cota Camada 7 (m)					10,438	10,518	10,438				
Cota (m)	10,609	10,576	10,280	10,288	10,368	10,288	10,288	10,280	10,576	10,608	10,618
E	709,810.5824	709,808.9232	709,808.9232	709,808.5253	709,804.5280	709,800.5298	709,800.1321	709,800.1321	709,798.5329	709,798.1583	
N	7,089,204.8802	7,089,204.8243	7,089,204.8243	7,089,204.8109	7,089,204.6763	7,089,204.5416	7,089,204.5282	7,089,204.5282	7,089,204.4744	7,089,204.4618	
Station: 1+0											
Dist.eixo (m)		-6,051	-4,397	-4,397	-3,999	0,000	4,001	4,399	4,399	5,986	6,335
Cota Camada 1 (m)					10,733	10,813	10,733				
Cota Camada 3 (m)					10,653	10,733	10,653				
Cota Camada 6 (m)					10,613	10,693	10,613				
Cota Camada 7 (m)					10,493	10,573	10,493				
Cota (m)	10,664	10,631	10,335	10,343	10,423	10,343	10,335	10,631	10,663	10,690	
E	709,810.9125	709,809.2594	709,809.2594	709,808.8614	709,804.8646	709,800.8660	709,800.4682	709,800.4682	709,798.8823	709,798.5330	
N	7,089,194.8857	7,089,194.8300	7,089,194.8300	7,089,194.8166	7,089,194.6820	7,089,194.5473	7,089,194.5339	7,089,194.5339	7,089,194.4805	7,089,194.4687	
Station: 1+10											
Dist.eixo (m)	-6,141	-6,045	-4,397	-4,397	-3,999	0,000	4,001	4,399	4,399	5,973	6,208
Cota Camada 1 (m)					10,788	10,868	10,788				
Cota Camada 3 (m)					10,708	10,788	10,708				
Cota Camada 6 (m)					10,668	10,748	10,668				
Cota Camada 7 (m)					10,548	10,628	10,548				
Cota (m)	10,915	10,979	10,686	10,390	10,398	10,398	10,390	10,686	10,717	10,821	
E	709,811.3386	709,811.2427	709,809.5955	709,809.5955	709,809.1976	709,805.2013	709,801.2021	709,800.8044	709,800.8044	709,799.2317	709,798.9972
N	7,089,184.8944	7,089,184.8911	7,089,184.8356	7,089,184.8356	7,089,184.8222	7,089,184.6876	7,089,184.5529	7,089,184.5396	7,089,184.5396	7,089,184.4866	7,089,184.4757
Station: 2+0											
Dist.eixo (m)	-6,210	-6,054	-4,396	-4,396	-3,998	0,000	4,002	4,400	4,400	5,960	6,297
Cota Camada 1 (m)					10,843	10,923	10,843				
Cota Camada 3 (m)					10,763	10,843	10,763				
Cota Camada 6 (m)					10,723	10,803	10,723				
Cota Camada 7 (m)					10,603	10,683	10,603				
Cota (m)	10,929	11,034	10,741	10,445	10,453	10,453	10,445	10,741	10,772	10,807	
E	709,811.7447	709,811.5881	709,809.9316	709,809.9316	709,809.5337	709,805.5379	709,801.5382	709,801.1405	709,801.1405	709,799.5811	709,799.2442
N	7,089,174.9024	7,089,174.8971	7,089,174.8413	7,089,174.8413	7,089,174.8279	7,089,174.6933	7,089,174.5586	7,089,174.5452	7,089,174.5452	7,089,174.4927	7,089,174.4813
Station: 2+10											
Dist.eixo (m)	-6,237	-6,049	-4,396	-4,396	-3,998	0,000	4,002	4,400	4,400	5,947	6,331
Cota Camada 1 (m)					10,898	10,978	10,898				
Cota Camada 3 (m)					10,818	10,898	10,818				
Cota Camada 6 (m)					10,778	10,858	10,778				
Cota Camada 7 (m)					10,658	10,738	10,658				
Cota (m)	10,963	11,089	10,796	10,500	10,508	10,508	10,500	10,796	10,827	10,831	
E	709,812.1082	709,811.9197	709,810.2678	709,810.2678	709,809.8699	709,805.8745	709,801.8744	709,801.4767	709,801.4767	709,799.9305	709,799.5475
N	7,089,164.9089	7,089,164.9026	7,089,164.8469	7,089,164.8469	7,089,164.8335	7,089,164.6990	7,089,164.5642	7,089,164.5509	7,089,164.5509	7,089,164.4988	7,089,164.4859
Station: 3+0											
Dist.eixo (m)	-6,205	-6,020	-4,395	-4,395	-3,997	0,000	4,003	4,401	4,401	5,935	6,338
Cota Camada 1 (m)					10,953	11,033	10,953				
Cota Camada 3 (m)					10,873	10,953	10,873				
Cota Camada 6 (m)					10,833	10,913	10,833				
Cota Camada 7 (m)					10,713	10,793	10,713				
Cota (m)	11,020	11,143	10,851	10,555	10,563	10,563	10,555	10,851	10,882	10,872	
E	709,812.4126	709,812.2278	709,810.6039	709,810.6039	709,810.2060	709,806.2111	709,802.2105	709,801.8128	709,801.8128	709,800.2800	709,799.8763
N	7,089,154.9135	7,089,154.9073	7,089,154.8526	7,089,154.8526	7,089,154.8392	7,089,154.7046	7,089,154.5699	7,089,154.5565	7,089,154.5565	7,089,154.5049	7,089,154.4913
Station: 3+10											
Dist.eixo (m)		-5,991	-4,395	-4,395	-3,997	0,000	4,003	4,401	4,401	5,924	
Cota Camada 1 (m)					11,007	11,087	11,007				
Cota Camada 3 (m)					10,927	11,007	10,927				
Cota Camada 6 (m)					10,887	10,967	10,887				
Cota Camada 7 (m)					10,767	10,847	10,767				
Cota (m)	10,937	10,905	10,609	10,617	10,697	10,617	10,609	10,906	10,936		
E	709,812.5356	709,810.9401	709,810.9401	709,810.5421	709,806.5477	709,802.5467	709,802.1489	709,802.1489	709,800.6276		
N	7,089,144.9120	7,089,144.8583	7,089,144.8583	7,089,144.8448	7,089,144.7103	7,089,144.5756	7,089,144.5622	7,089,144.5622	7,089,144.5109		
Station: 4+0											
Dist.eixo (m)		-5,963	-4,394	-4,394	-3,996	0,000	4,004	4,402	4,402	5,930	
Cota Camada 1 (m)					11,018	11,098	11,018				
Cota Camada 3 (m)					10,938	11,018	10,938				
Cota Camada 6 (m)					10,898	10,978	10,898				
Cota Camada 7 (m)					10,778	10,858	10,778				
Cota (m)	10,947	10,916	10,620	10,628	10,708	10,628	10,620	10,915	10,946		
E	709,812.8437	709,811.2762	709,811.2762	709,810.8783	709,806.8844	709,802.8828	709,802.4851	709,802.4851	709,800.9575		
N	7,089,134.9167	7,089,134.8639	7,089,134.8639	7,089,134.8505	7,089,134.7160	7,089,134.5812	7,089,134.5678	7,089,134.5678	7,089,134.5164		






1439DGLR0015-04-Vol 03_Tomo III_Etapa 01_Parte 02

Relatório de auditoria final

2021-11-10

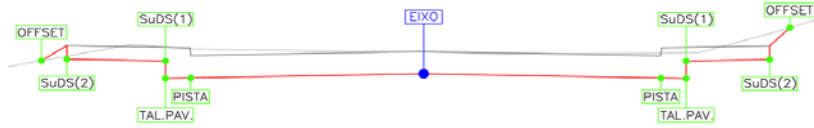
Criado em:	2021-11-10
Por:	Sirleide Dias (sirleide@engecorps.com.br)
Status:	Assinado
ID da transação:	CBJCHBCAABAAVwitC_SkxUH3XrVgLYSZZ8-xooTiv2kA

Histórico de "1439DGLR0015-04-Vol 03_Tomo III_Etapa 01_Parte 02"

-  Documento criado por Sirleide Dias (sirleide@engecorps.com.br)
2021-11-10 - 13:53:48 GMT- Endereço IP: 131.72.63.141
-  Documento enviado por email para Maria Bernardete Sousa Sender (bernadete@engecorps.com.br) para assinatura
2021-11-10 - 13:55:19 GMT
-  Email visualizado por Maria Bernardete Sousa Sender (bernadete@engecorps.com.br)
2021-11-10 - 15:43:13 GMT- Endereço IP: 201.87.155.154
-  Documento assinado eletronicamente por Maria Bernardete Sousa Sender (bernadete@engecorps.com.br)
Data da assinatura: 2021-11-10 - 15:43:30 GMT - Fonte da hora: servidor- Endereço IP: 201.87.155.154
-  Contrato finalizado.
2021-11-10 - 15:43:30 GMT

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA LUCIANO DE O. CERCAL

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 4+10											
Dist.eixo (m)	-6,087	-5,972	-4,394	-4,394	-3,996	0,000	4,004	4,402	4,402	5,937	
Cota Camada 1 (m)					10,962	11,042	10,962				
Cota Camada 3 (m)					10,882	10,962	10,882				
Cota Camada 6 (m)					10,842	10,922	10,842				
Cota Camada 7 (m)					10,722	10,802	10,722				
Cota (m)	11,075	11,152	10,860	10,564	10,572	10,652	10,572	10,564	10,860	10,891	
E	709,813.3045	709,813.1896	709,811.6124	709,811.6124	709,811.2144	709,807.2210	709,803.2190	709,802.8212	709,802.8212	709,801.2873	
N	7,089,124.9265	7,089,124.9227	7,089,124.8696	7,089,124.8696	7,089,124.8562	7,089,124.7216	7,089,124.5869	7,089,124.5735	7,089,124.5735	7,089,124.5218	
Station: 5+0											
Dist.eixo (m)	-5,996	-5,987	-4,393	-4,393	-3,995	0,000	4,005	4,403	4,403	5,974	
Cota Camada 1 (m)					10,883	10,963	10,883				
Cota Camada 3 (m)					10,803	10,883	10,803				
Cota Camada 6 (m)					10,763	10,843	10,763				
Cota Camada 7 (m)					10,643	10,723	10,643				
Cota (m)	11,066	11,073	10,781	10,485	10,493	10,573	10,493	10,485	10,781	10,812	
E	709,813.5507	709,813.5412	709,811.9485	709,811.9485	709,811.5506	709,807.5576	709,803.5551	709,803.1574	709,803.1574	709,801.5865	
N	7,089,114.9292	7,089,114.9288	7,089,114.8752	7,089,114.8752	7,089,114.8618	7,089,114.7273	7,089,114.5925	7,089,114.5791	7,089,114.5791	7,089,114.5262	
Station: 5+10											
Dist.eixo (m)		-5,999	-4,397	-4,397	-3,999	0,000	4,001	4,399	4,399	6,001	6,057
Cota Camada 1 (m)					10,804	10,884	10,804				
Cota Camada 3 (m)					10,724	10,804	10,724				
Cota Camada 6 (m)					10,684	10,764	10,684				
Cota Camada 7 (m)					10,564	10,644	10,564				
Cota (m)		10,734	10,702	10,406	10,414	10,494	10,414	10,406	10,702	10,734	10,956
E		709,813.8894	709,812.2885	709,812.2885	709,811.8906	709,807.8942	709,803.8951	709,803.4974	709,803.4974	709,801.8962	709,801.8405
N		7,089,104.9349	7,089,104.8810	7,089,104.8810	7,089,104.8676	7,089,104.7330	7,089,104.5983	7,089,104.5849	7,089,104.5849	7,089,104.5310	7,089,104.5291
Station: 5+12											
Dist.eixo (m)		-6,001	-4,399	-4,399	-4,001	0,000	3,999	4,397	4,397	5,999	6,014
Cota Camada 1 (m)					10,785	10,865	10,785				
Cota Camada 3 (m)					10,705	10,785	10,705				
Cota Camada 6 (m)					10,665	10,745	10,665				
Cota Camada 7 (m)					10,545	10,625	10,545				
Cota (m)		10,714	10,682	10,387	10,395	10,475	10,395	10,387	10,682	10,714	10,965
E		709,813.9731	709,812.3722	709,812.3722	709,811.9742	709,807.9760	709,803.9788	709,803.5810	709,803.5810	709,801.9799	709,801.9651
N		7,089,102.5080	7,089,102.4541	7,089,102.4541	7,089,102.4407	7,089,102.3060	7,089,102.1714	7,089,102.1580	7,089,102.1580	7,089,102.1040	7,089,102.1035

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NOTA DE SERVIÇO
RUA MANOEL MAURÍCIO FILHO

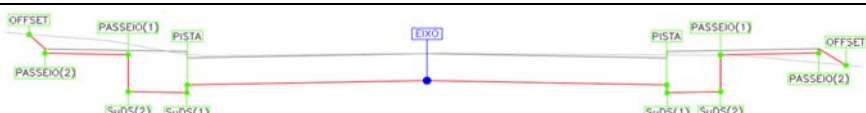
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 0+0													
Dist. Eixo (m):		-12,861	-10,202	-10,202	-9,212	-9,202	0,000	12,459	12,469	13,459			
Cota Camada 1 (m)						11,200	11,384	11,135					
Cota Camada 3 (m)						11,120	11,304	11,055					
Cota Camada 6 (m)						11,080	11,264	11,015					
Cota Camada 7 (m)						10,930	11,114	10,865					
Cota (m):		11,423	11,270	10,620	10,600	10,780	10,964	10,715	10,535	10,554			
E:		709.666.1981	709.666.2597	709.666.2597	709.666.2826	709.666.2828	709.666.4960	709.666.7847	709.666.7850	709.666.8079			
N:		7.089.883.2491	7.089.880.5907	7.089.880.5907	7.089.879.6008	7.089.879.5908	7.089.870.3913	7.089.857.9355	7.089.857.9255	7.089.856.9358			
Station: 0+10													
Dist. Eixo (m):		-7,401	-5,974	-5,974	-4,984	-4,974	0,000	5,026	5,036	6,026	6,026	8,095	
Cota Camada 1 (m)						11,261	11,360	11,260					
Cota Camada 3 (m)						11,181	11,280	11,180					
Cota Camada 6 (m)						11,141	11,240	11,140					
Cota Camada 7 (m)						10,991	11,090	10,990					
Cota (m):		11,459	11,331	10,681	10,661	10,841	10,940	10,840	10,660	10,680	11,330	11,371	
E:		709.676.3219	709.676.3549	709.676.3549	709.676.3779	709.676.3781	709.676.4934	709.676.6098	709.676.6100	709.676.6330	709.676.6330	709.676.6809	
N:		7.089.878.0224	7.089.876.5955	7.089.876.5955	7.089.875.6056	7.089.875.5956	7.089.870.6230	7.089.865.5982	7.089.865.5882	7.089.864.5985	7.089.864.5985	7.089.862.5301	
Station: 1+0													
Dist. Eixo (m):		-7,247	-6,002	-6,002	-5,012	-5,002	0,000	4,998	5,008	5,998	5,998	8,345	
Cota Camada 1 (m)						11,237	11,337	11,237					
Cota Camada 3 (m)						11,157	11,257	11,157					
Cota Camada 6 (m)						11,117	11,217	11,117					
Cota Camada 7 (m)						10,967	11,067	10,967					
Cota (m):		11,432	11,307	10,657	10,637	10,817	10,917	10,817	10,637	10,657	11,307	11,354	
E:		709.666.3228	709.666.3516	709.666.3516	709.666.3746	709.666.3748	709.666.4907	709.666.6065	709.666.6067	709.666.6296	709.666.6296	709.666.6840	
N:		7.089.878.1002	7.089.876.8554	7.089.876.8554	7.089.875.8655	7.089.875.8555	7.089.870.8547	7.089.865.8582	7.089.865.8481	7.089.864.8584	7.089.864.8584	7.089.862.5115	
Station: 1+10													
Dist. Eixo (m):		-7,318	-6,031	-6,031	-5,040	-5,030	0,000	4,970	4,980	5,970	5,970	8,596	
Cota Camada 1 (m)						11,213	11,314	11,214					
Cota Camada 3 (m)						11,133	11,234	11,134					
Cota Camada 6 (m)						11,093	11,194	11,094					
Cota Camada 7 (m)						10,943	11,044	10,944					
Cota (m):		11,309	11,283	10,633	10,613	10,793	10,894	10,794	10,614	10,634	11,284	11,337	
E:		709.696.3184	709.696.3483	709.696.3483	709.696.3712	709.696.3714	709.696.4880	709.696.6031	709.696.6034	709.696.6263	709.696.6263	709.696.6872	
N:		7.089.878.4028	7.089.877.1153	7.089.877.1153	7.089.876.1254	7.089.876.1154	7.089.871.0864	7.089.866.1180	7.089.866.1080	7.089.865.1183	7.089.865.1183	7.089.862.4929	
Station: 2+0													
Dist. Eixo (m):		-7,390	-6,059	-6,059	-5,069	-5,059	0,000	4,941	4,951	5,941	5,941	8,604	
Cota Camada 1 (m)						11,189	11,290	11,191					
Cota Camada 3 (m)						11,109	11,210	11,111					
Cota Camada 6 (m)						11,069	11,170	11,071					
Cota Camada 7 (m)						10,919	11,020	10,921					
Cota (m):		11,285	11,259	10,609	10,589	10,769	10,870	10,771	10,591	10,611	11,261	11,314	
E:		709.706.3141	709.706.3449	709.706.3449	709.706.3679	709.706.3681	709.706.4853	709.706.5998	709.706.6000	709.706.6230	709.706.6230	709.706.6847	
N:		7.089.878.7057	7.089.877.3752	7.089.877.3752	7.089.876.3852	7.089.876.3752	7.089.871.3180	7.089.866.3779	7.089.866.3679	7.089.865.3781	7.089.865.3781	7.089.862.7159	
Station: 2+10													
Dist. Eixo (m):		-7,461	-6,087	-6,087	-5,097	-5,087	0,000	4,913	4,923	5,913	5,913	8,265	
Cota Camada 1 (m)						11,165	11,267	11,168					
Cota Camada 3 (m)						11,085	11,187	11,088					
Cota Camada 6 (m)						11,045	11,147	11,048					
Cota Camada 7 (m)						10,895	10,997	10,898					
Cota (m):		11,262	11,235	10,585	10,565	10,745	10,847	10,748	10,568	10,588	11,238	11,285	
E:		709.716.3098	709.716.3416	709.716.3416	709.716.3645	709.716.3648	709.716.4826	709.716.5965	709.716.5967	709.716.6196	709.716.6196	709.716.6741	
N:		7.089.879.0086	7.089.877.6350	7.089.877.6350	7.089.876.6451	7.089.876.6351	7.089.871.5497	7.089.866.6378	7.089.866.6278	7.089.865.6380	7.089.865.6380	7.089.863.2865	
Station: 3+0													
Dist. Eixo (m):		-7,532	-6,115	-6,115	-5,125	-5,115	0,000	4,885	4,895	5,885	5,885	8,253	
Cota Camada 1 (m)						11,141	11,243	11,146					
Cota Camada 3 (m)						11,061	11,163	11,066					
Cota Camada 6 (m)						11,021	11,123	11,026					
Cota Camada 7 (m)						10,871	10,973	10,876					
Cota (m):		11,239	11,211	10,561	10,541	10,721	10,823	10,726	10,546	10,565	11,216	11,263	
E:		709.726.3054	709.726.3383	709.726.3383	709.726.3612	709.726.3614	709.726.4799	709.726.5931	709.726.5934	709.726.6163	709.726.6163	709.726.6712	
N:		7.089.879.3114	7.089.877.8949	7.089.877.8947	7.089.876.9050	7.089.876.8950	7.089.871.7814	7.089.866.8976	7.089.866.8876	7.089.865.8979	7.089.865.8979	7.089.863.5305	
Station: 3+10													
Dist. Eixo (m):		-7,590	-6,143	-6,143	-5,153	-5,143	0,000	4,857	4,867	5,857	5,857	8,192	
Cota Camada 1 (m)						11,117	11,220	11,123					
Cota Camada 3 (m)						11,037	11,140	11,043					
Cota Camada 6 (m)						10,997	11,100	11,003					
Cota Camada 7 (m)						10,847	10,950	10,853					
Cota (m):		11,216	11,187	10,537	10,517	10,697	10,800	10,703	10,523	10,542	11,192	11,239	
E:		709.736.3014	709.736.3349	709.736.3349	709.736.3579	709.736.3581	709.736.4773	709.736.5898	709.736.5900	709.736.6130	709.736.6130	709.736.6671	
N:		7.089.879.6013	7.089.878.1548	7.089.878.1548	7.089.877.1649	7.089.877.1549	7.089.872.0131	7.089.867.1575	7.089.867.1475	7.089.866.1578	7.089.866.1578	7.089.863.8228	
Station: 4+0													
Dist. Eixo (m):		-7,630	-6,172	-6,172	-5,181	-5,171	0,000	4,829	4,839	5,829	5,829	8,326	
Cota Camada 1 (m)						11,093	11,196	11,100					
Cota Camada 3 (m)						11,013	11,116	11,020					
Cota Camada 6 (m)						10,973	11,076	10,980					
Cota Camada 7 (m)						10,823	10,926	10,830					
Cota (m):		11,192	11,163	10,513	10,493	10,673	10,776	10,680	10,500	10,520	11,170	11,220	
E:		709.746.2978	709.746.3316	709.746.3316	709.746.3545	709.746.3548	709.746.4746	709.746.5865	709.746.5867	709.746.6096	709.746.6096	709.746.6675	
N:		7.089.879.8723	7.089.878.4147	7.089.878.4147	7.089.877.4248	7.089.877.4148	7.089.872.2448	7.089.867.4174	7.089.867.4074	7.089.866.4177	7.089.866.4177	7.089.863.9209	
Station: 4+10													
Dist. Eixo (m):		-8,132	-6,200	-6,200	-5,210	-5,200	0,000	4,801	4,811	5,801	5,801	7,731	
Cota Camada 1 (m)						11,069	11,173	11,077					
Cota Camada 3 (m)						10,989	11,093	10,997					
Cota Camada 6 (m)						10,949	11,053	10,957					
Cota Camada 7 (m)						10,799	10,903	10,807					
Cota (m):		11,177	11,139	10,489	10,469	10,649	10,753	10,657	10,477	10,497	11,146	11,185	
E:		709.756.2835	709.756.3282	709.756.3282	709.756.3512	709.756.3514	709.756.4719	709.756.5831	709.756.5833	709.756.6063	709.756.6063	709.756.6510	
N:													

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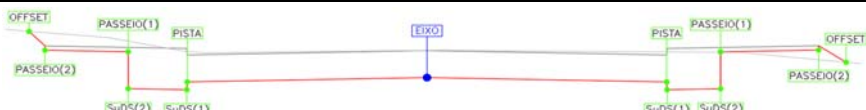
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 5+10													
Dist. Eixo (m):		-8,251	-6,256	-6,256	-5,266	-5,266	0,000	4,744	4,754	5,744	5,744		7,753
Cota Camada 1 (m)						11,021	11,126	11,031					
Cota Camada 3 (m)						10,941	11,046	10,951					
Cota Camada 6 (m)						10,901	11,006	10,911					
Cota Camada 7 (m)						10,751	10,856	10,761					
Cota (m):		11,131	11,091	10,441	10,421	10,601	10,706	10,611	10,431	10,451	11,101	11,141	
E:		709.776,2753	709.776,3216	709.776,3216	709.776,3445	709.776,3447	709.776,4665	709.776,5764	709.776,5767	709.776,5996	709.776,5996	709.776,6462	
N:		7.089.881,1887	7.089.879,1943	7.089.879,1943	7.089.878,2044	7.089.878,1944	7.089.872,9399	7.089.868,1971	7.089.868,1871	7.089.867,1973	7.089.867,1973	7.089.865,1889	
Station: 6+0													
Dist. Eixo (m):		-8,158	-6,284	-6,284	-5,294	-5,284	0,000	4,716	4,726	5,716	5,716		7,732
Cota Camada 1 (m)						10,997	11,103	11,008					
Cota Camada 3 (m)						10,917	11,023	10,928					
Cota Camada 6 (m)						10,877	10,983	10,888					
Cota Camada 7 (m)						10,727	10,833	10,738					
Cota (m):		11,104	11,067	10,417	10,397	10,577	10,683	10,588	10,408	10,428	11,078	11,118	
E:		709.776,2748	709.786,3182	709.786,3182	709.786,3412	709.786,3414	709.786,4638	709.786,5731	709.786,5733	709.786,5963	709.786,5963	709.786,6430	
N:		7.089.881,3273	7.089.879,4542	7.089.879,4542	7.089.878,4643	7.089.878,4543	7.089.873,1716	7.089.868,4569	7.089.868,4469	7.089.867,4572	7.089.867,4572	7.089.865,4421	
Station: 6+10													
Dist. Eixo (m):		-8,111	-6,279	-6,279	-5,289	-5,279	0,000	4,721	4,731	5,721	5,721		7,731
Cota Camada 1 (m)						10,974	11,079	10,985					
Cota Camada 3 (m)						10,894	10,999	10,905					
Cota Camada 6 (m)						10,854	10,959	10,865					
Cota Camada 7 (m)						10,704	10,809	10,715					
Cota (m):		11,080	11,043	10,394	10,374	10,554	10,659	10,565	10,385	10,405	11,055	11,095	
E:		709.796,2732	709.796,3157	709.796,3157	709.796,3386	709.796,3388	709.796,4612	709.796,5705	709.796,5708	709.796,5937	709.796,5937	709.796,6403	
N:		7.089.881,5122	7.089.879,6805	7.089.879,6805	7.089.878,6906	7.089.878,6806	7.089.873,4033	7.089.868,6831	7.089.868,6731	7.089.867,6834	7.089.867,6834	7.089.865,6747	
Station: 7+0													
Dist. Eixo (m):		-8,064	-6,226	-6,226	-5,236	-5,226	0,000	4,774	4,784	5,774	5,774		7,784
Cota Camada 1 (m)						10,951	11,056	10,960					
Cota Camada 3 (m)						10,871	10,976	10,880					
Cota Camada 6 (m)						10,831	10,936	10,840					
Cota Camada 7 (m)						10,681	10,786	10,690					
Cota (m):		11,058	11,021	10,371	10,351	10,531	10,636	10,540	10,360	10,380	11,030	11,070	
E:		709.806,2716	709.806,3142	709.806,3142	709.806,3371	709.806,3374	709.806,4595	709.806,5691	709.806,5693	709.806,5922	709.806,5922	709.806,6388	
N:		7.089.881,6971	7.089.879,8596	7.089.879,8596	7.089.878,8696	7.089.878,8596	7.089.873,6350	7.089.868,8622	7.089.868,8522	7.089.867,8624	7.089.867,8624	7.089.865,8527	
Station: 7+10													
Dist. Eixo (m):		-8,059	-6,174	-6,174	-5,183	-5,173	0,000	4,827	4,837	5,827	5,827		7,843
Cota Camada 1 (m)						10,929	11,032	10,936					
Cota Camada 3 (m)						10,849	10,952	10,856					
Cota Camada 6 (m)						10,809	10,912	10,816					
Cota Camada 7 (m)						10,659	10,762	10,666					
Cota (m):		11,036	10,999	10,349	10,329	10,509	10,612	10,516	10,336	10,356	11,006	11,046	
E:		709.816,2691	709.816,3127	709.816,3127	709.816,3357	709.816,3359	709.816,4558	709.816,5676	709.816,5678	709.816,5908	709.816,5908	709.816,6375	
N:		7.089.881,9237	7.089.880,0366	7.089.880,0366	7.089.879,0487	7.089.879,0387	7.089.873,8667	7.089.869,0412	7.089.869,0312	7.089.868,0415	7.089.868,0415	7.089.866,0255	
Station: 8+0													
Dist. Eixo (m):		-8,030	-6,121	-6,121	-5,131	-5,121	0,000	4,879	4,889	5,879	5,879		7,874
Cota Camada 1 (m)						10,907	11,009	10,911					
Cota Camada 3 (m)						10,827	10,929	10,831					
Cota Camada 6 (m)						10,787	10,889	10,791					
Cota Camada 7 (m)						10,637	10,739	10,641					
Cota (m):		11,015	10,976	10,327	10,307	10,487	10,589	10,491	10,311	10,331	10,981	11,021	
E:		709.826,2670	709.826,3113	709.826,3113	709.826,3342	709.826,3345	709.826,4531	709.826,5662	709.826,5664	709.826,5893	709.826,5893	709.826,6355	
N:		7.089.882,1266	7.089.880,2176	7.089.880,2176	7.089.879,2277	7.089.879,2177	7.089.874,0984	7.089.869,2202	7.089.869,2102	7.089.868,2205	7.089.868,2205	7.089.866,2269	
Station: 8+10													
Dist. Eixo (m):		-7,960	-6,068	-6,068	-5,078	-5,068	0,000	4,932	4,942	5,932	5,932		7,930
Cota Camada 1 (m)						10,884	10,985	10,887					
Cota Camada 3 (m)						10,804	10,905	10,807					
Cota Camada 6 (m)						10,764	10,865	10,767					
Cota Camada 7 (m)						10,614	10,715	10,617					
Cota (m):		11,092	10,954	10,304	10,284	10,464	10,565	10,467	10,287	10,307	10,957	10,997	
E:		709.836,2660	709.836,3098	709.836,3098	709.836,3328	709.836,3330	709.836,4504	709.836,5647	709.836,5649	709.836,5879	709.836,5879	709.836,6342	
N:		7.089.882,2884	7.089.880,3967	7.089.880,3967	7.089.879,4067	7.089.879,3967	7.089.874,3301	7.089.869,3993	7.089.869,3893	7.089.868,3995	7.089.868,3995	7.089.866,4018	
Station: 9+0													
Dist. Eixo (m):		-7,915	-6,016	-6,016	-5,025	-5,015	0,000	4,985	4,995	5,985	5,985		7,920
Cota Camada 1 (m)						10,862	10,962	10,862					
Cota Camada 3 (m)						10,782	10,882	10,782					
Cota Camada 6 (m)						10,742	10,842	10,742					
Cota Camada 7 (m)						10,592	10,692	10,592					
Cota (m):		11,070	10,932	10,282	10,262	10,442	10,542	10,442	10,262	10,282	10,932	10,971	
E:		709.846,2644	709.846,3084	709.846,3084	709.846,3313	709.846,3315	709.846,4477	709.846,5632	709.846,5635	709.846,5864	709.846,5864	709.846,6312	
N:		7.089.882,4742	7.089.880,5757	7.089.880,5757	7.089.879,5858	7.089.879,5758	7.089.874,5618	7.089.869,5783	7.089.869,5683	7.089.868,5786	7.089.868,5786	7.089.866,6434	
Station: 9+2													
Dist. Eixo (m):		-7,969	-5,998	-5,998	-5,008	-4,998	0,000	5,000	5,010	6,000	6,000		7,900
Cota Camada 1 (m)						10,855	10,955	10,855					
Cota Camada 3 (m)						10,775	10,875	10,775					
Cota Camada 6 (m)						10,735	10,835	10,735					
Cota Camada 7 (m)						10,585	10,685	10,585					
Cota (m):		11,064	10,925	10,275	10,255	10,435	10,535	10,435	10,255	10,275	10,925	10,963	
E:		709.849,1620	709.849,2076	709.849,2076	709.849,2306	709.849,2308	709.849,3467	709.849,4625	709.849,4627	709.849,4857	709.849,4857	709.849,5297	
N:		7.089.882,5990	7.089.880,6276	7.089.880,6276	7.089.879,6377	7.089.879,6277	7.089.874,6290	7.089.869,6302	7.089.869,6202	7.089.868,6305	7.089.868,6305	7.089.866,7313	
Station: 9+10													
Dist. Eixo (m):		-12,978	-9,416	-9,416	-8,425	-8,415	0,000	8,633	8,643	9,633	9,633		13,347
Cota Camada 1 (m)						10,770	10,939	10,766					
Cota Camada 3 (m)						10,690	10,859	10,686					
Cota Camada 6 (m)						10,650	10,819	10,646					
Cota Camada 7 (m)						10,500	10,669	10,496					
Cota (m):		11,012	10,840	10,190	10,170	10,350	10,519	10,346	10,166	10,186	10,836	10,910	
E:		709.855,7586</											

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NOTA DE SERVIÇO
RUA MANOEL MAURÍCIO FILHO

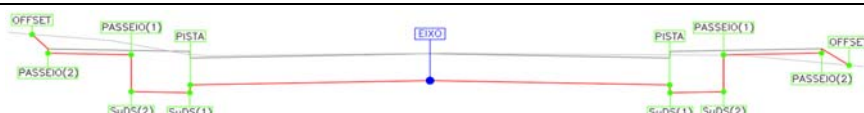
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 10+1													
Dist. Eixo (m):		-12,913	-11,831	-11,831	-10,841	-10,834	0,000	11,782	11,782	12,782	12,782	13,930	
Cota Camada 1 (m)						10,662	10,937	10,701					
Cota Camada 3 (m)						10,582	10,857	10,621					
Cota Camada 6 (m)						10,542	10,817	10,581					
Cota Camada 7 (m)						10,392	10,667	10,431					
Cota (m):		10,925	10,790	10,140	10,120	10,242	10,517	10,281	10,101	10,121	10,771	10,794	
E:		709.867.1663	709.867.2229	709.867.2229	709.867.2747	709.867.2750	709.867.8416	709.868.4577	709.868.4577	709.868.5100	709.868.5100	709.868.5701	
N:		7.089.888.4931	7.089.887.4120	7.089.887.4120	7.089.886.4232	7.089.886.4164	7.089.875.5975	7.089.863.8318	7.089.863.8318	7.089.862.8332	7.089.862.8332	7.089.861.6864	
Station: 10+8													
Dist. Eixo (m):	-7,513	-7,288	-6,029	-6,029	-5,038	-5,028	0,000	5,002	5,012	6,002	6,002	9,013	9,328
Cota Camada 1 (m)						10,814	10,915	10,815					
Cota Camada 3 (m)						10,734	10,835	10,735					
Cota Camada 6 (m)						10,694	10,795	10,695					
Cota Camada 7 (m)						10,544	10,645	10,545					
Cota (m):	11,234	11,009	10,884	10,234	10,214	10,394	10,495	10,395	10,215	10,234	10,885	10,945	10,835
E:	709.874.9459	709.874.9577	709.875.0235	709.875.0235	709.875.0753	709.875.0758	709.875.3388	709.875.6004	709.875.6009	709.875.6527	709.875.6527	709.875.8102	709.875.8267
N:	7.089.883.4924	7.089.883.2679	7.089.882.0105	7.089.882.0105	7.089.881.0217	7.089.881.0117	7.089.875.9901	7.089.870.9942	7.089.870.9942	7.089.869.9955	7.089.869.9955	7.089.866.9884	7.089.866.6736
Station: 10+10													
Dist. Eixo (m):	-7,470	-7,255	-6,008	-6,008	-5,018	-5,008	0,000	4,994	5,004	5,994	5,994	8,870	
Cota Camada 1 (m)						10,811	10,912	10,812					
Cota Camada 3 (m)						10,731	10,832	10,732					
Cota Camada 6 (m)						10,691	10,792	10,692					
Cota Camada 7 (m)						10,541	10,642	10,542					
Cota (m):	11,222	11,006	10,881	10,231	10,211	10,391	10,492	10,392	10,212	10,232	10,881	10,939	
E:	709.876.1203	709.876.1286	709.876.1771	709.876.1771	709.876.2156	709.876.2159	709.876.4105	709.876.6046	709.876.6050	709.876.6434	709.876.6434	709.876.7552	
N:	7.089.883.4962	7.089.883.2810	7.089.882.0352	7.089.882.0352	7.089.881.0458	7.089.881.0358	7.089.876.0318	7.089.871.0418	7.089.871.0318	7.089.870.0425	7.089.870.0425	7.089.867.1684	
Station: 11+0													
Dist. Eixo (m):	-7,115	-6,977	-5,831	-5,831	-4,840	-4,830	0,000	5,171	5,181	6,171	6,171	9,060	
Cota Camada 1 (m)						10,706	10,807	10,707					
Cota Camada 3 (m)						10,626	10,727	10,627					
Cota Camada 6 (m)						10,486	10,587	10,487					
Cota Camada 7 (m)						10,336	10,437	10,337					
Cota (m):	11,117	10,979	10,855	10,206	10,186	10,366	10,467	10,359	10,179	10,199	10,848	10,906	
E:	709.886.1265	709.886.1319	709.886.1764	709.886.1764	709.886.2149	709.886.2153	709.886.4030	709.886.6039	709.886.6043	709.886.6428	709.886.6428	709.886.7550	
N:	7.089.883.5303	7.089.883.3923	7.089.882.2465	7.089.882.2465	7.089.881.2571	7.089.881.2471	7.089.876.4203	7.089.871.2531	7.089.871.2431	7.089.870.2538	7.089.870.2538	7.089.867.3669	
Station: 11+10													
Dist. Eixo (m):		-6,878	-5,653	-5,653	-4,663	-4,653	0,000	5,349	5,359	6,349	6,349	9,031	
Cota Camada 1 (m)						10,760	10,861	10,746					
Cota Camada 3 (m)						10,680	10,781	10,666					
Cota Camada 6 (m)						10,640	10,741	10,626					
Cota Camada 7 (m)						10,490	10,591	10,476					
Cota (m):	10,854	10,830	10,180	10,160	10,340	10,433	10,433	10,326	10,146	10,166	10,815	10,869	
E:	709.896.1282	709.896.1758	709.896.1758	709.896.2142	709.896.2146	709.896.2146	709.896.3954	709.896.6032	709.896.6036	709.896.6421	709.896.6421	709.896.7463	
N:	7.089.883.6814	7.089.882.4578	7.089.882.4578	7.089.881.4684	7.089.881.4584	7.089.881.4584	7.089.876.8089	7.089.871.4644	7.089.871.4544	7.089.870.4651	7.089.870.4651	7.089.867.7844	
Station: 12+0													
Dist. Eixo (m):		-6,828	-5,529	-5,529	-4,538	-4,528	0,000	5,469	5,479	6,469	6,469	8,762	
Cota Camada 1 (m)						10,733	10,834	10,714					
Cota Camada 3 (m)						10,653	10,754	10,634					
Cota Camada 6 (m)						10,613	10,714	10,594					
Cota Camada 7 (m)						10,463	10,564	10,444					
Cota (m):	10,829	10,803	10,153	10,133	10,313	10,404	10,404	10,294	10,114	10,134	10,784	10,830	
E:	709.906.1226	709.906.1730	709.906.1730	709.906.2115	709.906.2119	709.906.2119	709.906.3879	709.906.6004	709.906.6008	709.906.6392	709.906.6392	709.906.7283	
N:	7.089.884.0203	7.089.882.7220	7.089.882.7220	7.089.881.7325	7.089.881.7225	7.089.881.7225	7.089.877.1975	7.089.871.7323	7.089.871.7223	7.089.870.7330	7.089.870.7330	7.089.868.4420	
Station: 12+10													
Dist. Eixo (m):		-6,867	-5,568	-5,568	-4,577	-4,567	0,000	5,431	5,441	6,431	6,431	8,453	
Cota Camada 1 (m)						10,703	10,804	10,686					
Cota Camada 3 (m)						10,623	10,724	10,606					
Cota Camada 6 (m)						10,583	10,684	10,566					
Cota Camada 7 (m)						10,433	10,534	10,416					
Cota (m):	10,799	10,773	10,123	10,103	10,283	10,374	10,374	10,266	10,086	10,106	10,756	10,796	
E:	709.916.1135	709.916.1640	709.916.1640	709.916.2025	709.916.2028	709.916.2028	709.916.3803	709.916.5913	709.916.5917	709.916.6302	709.916.6302	709.916.7088	
N:	7.089.884.4477	7.089.883.1493	7.089.883.1493	7.089.882.1599	7.089.882.1499	7.089.882.1499	7.089.877.5860	7.089.872.1594	7.089.872.1494	7.089.871.1601	7.089.871.1601	7.089.869.1397	
Station: 13+0													
Dist. Eixo (m):		-6,906	-5,606	-5,606	-4,616	-4,606	0,000	5,392	5,402	6,392	6,392	8,143	
Cota Camada 1 (m)						10,673	10,774	10,657					
Cota Camada 3 (m)						10,593	10,694	10,577					
Cota Camada 6 (m)						10,553	10,654	10,537					
Cota Camada 7 (m)						10,403	10,504	10,387					
Cota (m):	10,769	10,743	10,093	10,073	10,253	10,345	10,345	10,237	10,057	10,077	10,727	10,762	
E:	709.926.1044	709.926.1549	709.926.1549	709.926.1934	709.926.1938	709.926.1938	709.926.3728	709.926.5823	709.926.5827	709.926.6211	709.926.6211	709.926.6892	
N:	7.089.884.8751	7.089.883.5767	7.089.883.5767	7.089.882.5872	7.089.882.5772	7.089.882.5772	7.089.877.9746	7.089.872.5865	7.089.872.5765	7.089.871.5872	7.089.871.5872	7.089.869.8374	
Station: 13+10													
Dist. Eixo (m):	-7,062	-6,905	-5,645	-5,645	-4,655	-4,645	0,000	5,354	5,364	6,354	6,354	7,923	8,204
Cota Camada 1 (m)						10,643	10,744	10,629					
Cota Camada 3 (m)						10,563	10,664	10,549					
Cota Camada 6 (m)						10,523	10,624	10,509					
Cota Camada 7 (m)						10,373	10,474	10,359					
Cota (m):	10,673	10,738	10,713	10,063	10,043	10,223	10,316	10,209	10,029	10,048	10,699	10,730	10,629
E:	709.936.0908	709.936.0969	709.936.1459	709.936.1459	709.936.1843	709.936.1847	709.936.3652	709.936.5732	709.936.5736	709.936.6121	709.936.6121	709.936.6731	709.936.6840
N:	7.089.885.4194	7.089.885.2627	7.089.884.0040	7.089.884.0038	7.089.883.0146	7.089.883.0046	7.089.878.3631	7.089.873.0136	7.089.873.0036	7.089.872.0143	7.089.872.0143	7.089.870.4457	7.089.870.1654
Station: 14+0													
Dist. Eixo (m):	-7,253	-6,899	-5,684	-5,684	-4,694	-4,684	0,000	5,315	5,325	6,315	6,315	7,911	
Cota Camada 1 (m													

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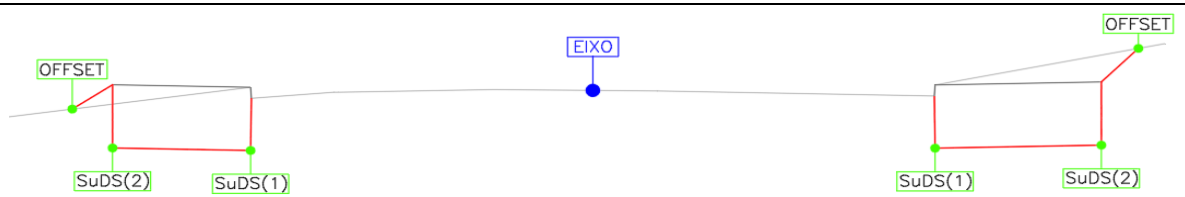
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 15+0													
Dist. Eixo (m):	-6,886	-5,762	-5,762	-4,771	-4,761	0,000	5,238	5,248	6,238	6,238	7,538		
Cota Camada 1 (m)						10,552	10,648	10,543					
Cota Camada 3 (m)						10,472	10,568	10,463					
Cota Camada 6 (m)						10,432	10,528	10,423					
Cota Camada 7 (m)						10,282	10,378	10,273					
Cota (m):	10,745	10,622	9,972	9,952	10,132	10,228	10,123	9,943	9,963	10,613	10,639		
E:	709.966,0750	709.966,1187	709.966,1187	709.966,1572	709.966,1575	709.966,3428	709.966,5461	709.966,5465	709.966,5849	709.966,5849	709.966,6354		
N:	7.089.886,4095	7.089.885,2861	7.089.885,2861	7.089.884,2967	7.089.884,2867	7.089.879,5288	7.089.874,2949	7.089.874,2849	7.089.873,2956	7.089.873,2956	7.089.871,9969		
Station: 15+10													
Dist. Eixo (m):	-6,879	-5,801	-5,801	-4,810	-4,800	0,000	5,199	5,209	6,199	6,199	7,496		
Cota Camada 1 (m)						10,522	10,618	10,514					
Cota Camada 3 (m)						10,442	10,538	10,434					
Cota Camada 6 (m)						10,402	10,498	10,394					
Cota Camada 7 (m)						10,252	10,348	10,244					
Cota (m):	10,614	10,592	9,942	9,922	10,102	10,198	10,094	9,914	9,934	10,584	10,610		
E:	709.976,0677	709.976,1096	709.976,1096	709.976,1481	709.976,1485	709.976,3350	709.976,5370	709.976,5374	709.976,5759	709.976,5759	709.976,6263		
N:	7.089.887,3612	7.089.885,7135	7.089.885,7135	7.089.884,7240	7.089.884,7141	7.089.879,9174	7.089.874,7220	7.089.874,7120	7.089.873,7227	7.089.873,7227	7.089.872,4273		
Station: 16+0													
Dist. Eixo (m):	-7,061	-5,839	-5,839	-4,849	-4,839	0,000	5,161	5,171	6,161	6,161	7,442		
Cota Camada 1 (m)						10,492	10,589	10,486					
Cota Camada 3 (m)						10,412	10,509	10,406					
Cota Camada 6 (m)						10,372	10,469	10,366					
Cota Camada 7 (m)						10,222	10,319	10,216					
Cota (m):	10,587	10,562	9,912	9,892	10,072	10,169	10,066	9,886	9,906	10,555	10,581		
E:	709.996,0531	709.996,1006	709.996,1006	709.996,1300	709.996,1304	709.996,3199	709.996,5189	709.996,5193	709.996,5578	709.996,5578	709.996,6166		
N:	7.089.887,8929	7.089.886,5682	7.089.886,5682	7.089.885,5788	7.089.885,5688	7.089.880,8945	7.089.875,1491	7.089.875,1391	7.089.874,1498	7.089.874,1498	7.089.872,8694		
Station: 16+10													
Dist. Eixo (m):	-7,204	-5,878	-5,878	-4,888	-4,878	0,000	5,122	5,132	6,122	6,122	7,465		
Cota Camada 1 (m)						10,462	10,560	10,457					
Cota Camada 3 (m)						10,382	10,480	10,377					
Cota Camada 6 (m)						10,342	10,440	10,337					
Cota Camada 7 (m)						10,192	10,290	10,187					
Cota (m):	10,559	10,532	9,882	9,862	10,042	10,140	10,037	9,857	9,877	10,527	10,572		
E:	709.996,0400	709.996,0915	709.996,0915	709.996,1300	709.996,1304	709.996,3199	709.996,5189	709.996,5193	709.996,5578	709.996,5578	709.996,6166		
N:	7.089.887,8929	7.089.886,5682	7.089.886,5682	7.089.885,5788	7.089.885,5688	7.089.880,8945	7.089.875,5762	7.089.875,5662	7.089.874,5769	7.089.874,5769	7.089.872,3159		
Station: 17+0													
Dist. Eixo (m):	-7,289	-5,917	-5,917	-4,927	-4,917	0,000	5,084	5,094	6,084	6,084	7,465		
Cota Camada 1 (m)						10,432	10,530	10,429					
Cota Camada 3 (m)						10,352	10,450	10,349					
Cota Camada 6 (m)						10,312	10,410	10,309					
Cota Camada 7 (m)						10,162	10,260	10,159					
Cota (m):	10,529	10,502	9,852	9,832	10,012	10,110	10,009	9,829	9,849	10,498	10,526		
E:	710.006,0291	710.006,0824	710.006,0824	710.006,1209	710.006,1213	710.006,3124	710.006,5099	710.006,5103	710.006,5487	710.006,5487	710.006,6024		
N:	7.089.888,3662	7.089.886,9956	7.089.886,9956	7.089.886,0061	7.089.885,9961	7.089.881,0830	7.089.876,0033	7.089.875,9933	7.089.875,0041	7.089.875,0041	7.089.873,6235		
Station: 17+10													
Dist. Eixo (m):	-7,411	-7,359	-5,956	-5,956	-4,966	-4,956	0,000	5,045	5,055	6,045	6,045	7,446	7,676
Cota Camada 1 (m)						10,402	10,501	10,400					
Cota Camada 3 (m)						10,322	10,421	10,320					
Cota Camada 6 (m)						10,282	10,381	10,280					
Cota Camada 7 (m)						10,132	10,231	10,130					
Cota (m):	10,499	10,500	10,472	9,822	9,802	9,982	10,081	9,980	9,800	9,820	10,470	10,498	10,531
E:	710.016,0168	710.016,0189	710.016,0734	710.016,0734	710.016,1119	710.016,1122	710.016,3048	710.016,5008	710.016,5012	710.016,5397	710.016,5397	710.016,5941	710.016,6030
N:	7.089.888,8768	7.089.888,8251	7.089.887,4230	7.089.887,4230	7.089.886,4335	7.089.886,4235	7.089.881,4716	7.089.876,4304	7.089.876,4204	7.089.875,4312	7.089.875,4312	7.089.874,0312	7.089.873,8018
Station: 18+0													
Dist. Eixo (m):	-7,564	-7,430	-5,995	-5,995	-5,004	-4,994	0,000	5,006	5,016	6,006	6,006	7,427	7,508
Cota Camada 1 (m)						10,372	10,472	10,372					
Cota Camada 3 (m)						10,292	10,392	10,292					
Cota Camada 6 (m)						10,252	10,352	10,252					
Cota Camada 7 (m)						10,102	10,202	10,102					
Cota (m):	10,480	10,570	10,442	9,792	9,772	9,952	10,052	9,952	9,772	9,791	10,442	10,470	10,516
E:	710.026,0033	710.026,0096	710.026,0643	710.026,0643	710.026,1028	710.026,1032	710.026,2972	710.026,4918	710.026,4922	710.026,5306	710.026,5306	710.026,5858	710.026,5890
N:	7.089.889,4189	7.089.889,2843	7.089.887,8503	7.089.887,8503	7.089.886,8609	7.089.886,8509	7.089.881,8602	7.089.876,8575	7.089.876,8475	7.089.875,8583	7.089.875,8583	7.089.874,4390	7.089.874,3578
Station: 18+1													
Dist. Eixo (m):	-6,130	-6,000	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	6,000	7,000	7,078	
Cota Camada 1 (m)						10,367	10,467	10,367					
Cota Camada 3 (m)						10,287	10,387	10,287					
Cota Camada 6 (m)						10,247	10,347	10,247					
Cota Camada 7 (m)						10,097	10,197	10,097					
Cota (m):	10,451	10,537	9,787	9,767	9,947	10,047	9,947	9,767	9,787	10,437	10,457	10,505	
E:	710.027,6040	710.027,6090	710.027,6090	710.027,6475	710.027,6479	710.027,8422	710.028,0365	710.028,0369	710.028,0753	710.028,0753	710.028,1142	710.028,1172	
N:	7.089.888,0453	7.089.887,9159	7.089.887,9159	7.089.886,9265	7.089.886,9165	7.089.881,9202	7.089.876,9240	7.089.876,9140	7.089.875,9248	7.089.875,9248	7.089.874,9255	7.089.874,8480	

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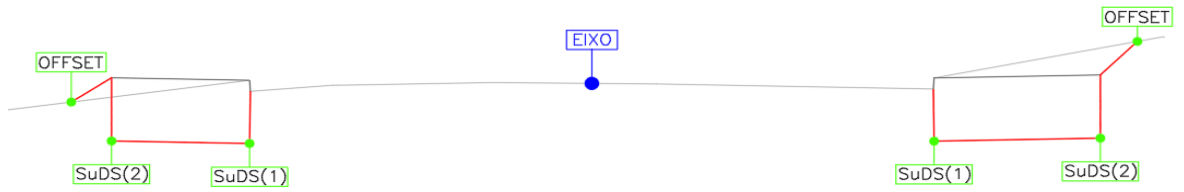
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0							
Dist. Eixo (m):		-10,385	-7,039	0,000	7,832	11,489	
Cota (m):		12,088	12,021	12,772	12,005	12,078	
E:		708.716,8638	708.713,5217	708.706,4895	708.698,6654	708.695,0120	
N:		7.089.900,7235	7.089.900,5715	7.089.900,2517	7.089.899,8959	7.089.899,7297	
Station: 0+10							
Dist. Eixo (m):		-5,990	-3,917	0,000	3,971	5,962	
Cota (m):		12,098	12,057	12,745	12,056	12,096	
E:		708.712,9278	708.710,8563	708.706,9438	708.702,9774	708.700,9875	
N:		7.089.890,5341	7.089.890,4399	7.089.890,2620	7.089.890,0816	7.089.889,9911	
Station: 1+0							
Dist. Eixo (m):		-5,952	-3,966	0,000	3,999	5,989	
Cota (m):		12,069	12,029	12,718	12,029	12,068	
E:		708.713,3440	708.711,3599	708.707,3981	708.703,4036	708.701,4151	
N:		7.089.880,5427	7.089.880,4525	7.089.880,2723	7.089.880,0907	7.089.880,0002	
Station: 1+10							
Dist. Eixo (m):		-5,971	-4,004	0,000	3,988	5,913	
Cota (m):		12,043	12,004	12,693	12,004	12,042	
E:		708.713,8174	708.711,8524	708.707,8524	708.703,8687	708.701,9454	
N:		7.089.870,5539	7.089.870,4646	7.089.870,2826	7.089.870,1015	7.089.870,0140	
Station: 2+0							
Dist. Eixo (m):		-6,228	-4,015	0,000	3,956	5,837	
Cota (m):		12,039	11,995	12,685	11,996	12,034	
E:		708.714,5284	708.712,3175	708.708,3067	708.704,3550	708.702,4757	
N:		7.089.860,5759	7.089.860,4754	7.089.860,2930	7.089.860,1133	7.089.860,0278	
Station: 2+10							
Dist. Eixo (m):		-6,321	-4,026	0,000	3,924	5,761	
Cota (m):		12,021	11,975	12,665	11,977	12,014	
E:		708.715,0759	708.712,7825	708.708,7610	708.704,8413	708.703,0060	
N:		7.089.850,5905	7.089.850,4862	7.089.850,3033	7.089.850,1250	7.089.850,0416	
Station: 3+0							
Dist. Eixo (m):		-6,162	-4,054	0,000	3,892	5,726	
Cota (m):		12,014	11,972	12,663	11,975	12,012	
E:		708.715,3708	708.713,2649	708.709,2153	708.705,3276	708.703,4951	
N:		7.089.840,5935	7.089.840,4978	7.089.840,3136	7.089.840,1368	7.089.840,0535	
Station: 3+10							
Dist. Eixo (m):		-6,135	-4,089	0,000	3,885	5,696	
Cota (m):		12,036	11,995	12,687	12,000	12,036	
E:		708.715,7983	708.713,7545	708.709,6696	708.705,7889	708.703,9790	
N:		7.089.830,6027	7.089.830,5097	7.089.830,3239	7.089.830,1475	7.089.830,0652	
Station: 4+0							
Dist. Eixo (m):		-6,153	-4,124	0,000	3,889	5,660	
Cota (m):		12,049	12,008	12,701	12,013	12,048	
E:		708.716,2700	708.714,2441	708.710,1238	708.706,2387	708.704,4695	
N:		7.089.820,6138	7.089.820,5216	7.089.820,3343	7.089.820,1576	7.089.820,0771	
Station: 4+10							
Dist. Eixo (m):		-6,170	-4,160	0,000	3,894	5,605	
Cota (m):		11,999	11,959	12,652	11,964	11,998	
E:		708.716,7417	708.714,7336	708.710,5781	708.706,6885	708.704,9785	
N:		7.089.810,6249	7.089.810,5336	7.089.810,3446	7.089.810,1677	7.089.810,0899	
Station: 5+0							
Dist. Eixo (m):		-6,187	-4,146	0,000	3,889	5,617	
Cota (m):		11,964	11,923	12,616	11,929	11,963	
E:		708.717,2134	708.715,1739	708.711,0324	708.707,1478	708.705,4210	
N:		7.089.800,6360	7.089.800,5433	7.089.800,3549	7.089.800,1783	7.089.800,0997	

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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Station: 5+10							
Dist. Eixo (m):		-6,217	-4,110	0,000	3,875	5,637	
Cota (m):		11,930	11,888	12,580	11,892	11,928	
E:		708.717,6972	708.715,5927	708.711,4867	708.707,6160	708.705,8558	
N:		7.089.790,6477	7.089.790,5520	7.089.790,3652	7.089.790,1892	7.089.790,1092	
Station: 6+0							
Dist. Eixo (m):		-6,248	-4,083	0,000	3,861	5,656	
Cota (m):		11,890	11,847	12,538	11,851	11,887	
E:		708.718,1829	708.716,0198	708.711,9410	708.708,0843	708.706,2905	
N:		7.089.780,6594	7.089.780,5611	7.089.780,3756	7.089.780,2002	7.089.780,1186	
Station: 6+10							
Dist. Eixo (m):		-6,285	-4,060	0,000	3,841	5,676	
Cota (m):		11,869	11,825	12,516	11,829	11,866	
E:		708.718,6742	708.716,4515	708.712,3953	708.708,5582	708.706,7253	
N:		7.089.770,6714	7.089.770,5704	7.089.770,3859	7.089.770,2114	7.089.770,1280	
Station: 7+0							
Dist. Eixo (m):		-6,330	-4,038	0,000	3,814	5,695	
Cota (m):		11,874	11,828	12,519	11,833	11,870	
E:		708.719,1729	708.716,8833	708.712,8496	708.709,0395	708.707,1600	
N:		7.089.760,6838	7.089.760,5796	7.089.760,3962	7.089.760,2229	7.089.760,1375	
Station: 7+10							
Dist. Eixo (m):		-6,374	-4,015	0,000	3,787	5,715	
Cota (m):		11,880	11,833	12,523	11,837	11,876	
E:		708.719,6716	708.717,3150	708.713,3039	708.709,5207	708.707,5948	
N:		7.089.750,6961	7.089.750,5889	7.089.750,4065	7.089.750,2345	7.089.750,1469	
Station: 7+12							
Dist. Eixo (m):		-6,385	-4,010	0,000	3,781	5,720	
Cota (m):		11,881	11,834	12,524	11,838	11,877	
E:		708.719,7881	708.717,4158	708.713,4099	708.709,6331	708.707,6963	
N:		7.089.748,3639	7.089.748,2560	7.089.748,0738	7.089.747,9021	7.089.747,8140	

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Desenho Esquemático:



PONTOS NOTÁVEIS			SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)		
Station: 0+0									
Dist. Eixo (m):			-12,380	-11,190	0,000	5,709	9,782		
Cota (m):			14,209	14,185		14,295	14,376		
E:			709.331,2705	709.330,0805	709.318,8907	709.313,1817	709.309,1084		
N:			7.090.803,4410	7.090.803,4429	7.090.803,4603	7.090.803,4692	7.090.803,4756		
Station: 0+4									
Dist. Eixo (m):			-7,617	-4,577	0,000	4,375	6,191		
Cota (m):			14,391	14,329		14,333	14,370		
E:			709.326,5056	709.323,4636	709.318,8837	709.314,5086	709.312,6930		
N:			7.090.798,9311	7.090.798,9358	7.090.798,9430	7.090.798,9498	7.090.798,9526		
Station: 0+10									
Dist. Eixo (m):			-5,677	-3,672	0,000	4,349	6,297		
Cota (m):			14,450	14,410		14,396	14,435		
E:			709.324,7398	709.322,7364	709.319,0663	709.314,7196	709.312,7733		
N:			7.090.793,6524	7.090.793,5857	7.090.793,4634	7.090.793,3185	7.090.793,2536		
Station: 1+0									
Dist. Eixo (m):			-5,696	-3,715	0,000	4,308	6,345		
Cota (m):			14,476	14,437		14,425	14,466		
E:			709.325,0920	709.323,1128	709.319,3994	709.315,0939	709.313,0577		
N:			7.090.783,6586	7.090.783,5927	7.090.783,4689	7.090.783,3254	7.090.783,2576		
Station: 1+10									
Dist. Eixo (m):			-5,728	-3,759	0,000	4,267	6,351		
Cota (m):			14,494	14,454		14,444	14,486		
E:			709.325,4568	709.323,4892	709.319,7325	709.315,4683	709.313,3853		
N:			7.090.773,6652	7.090.773,5997	7.090.773,4745	7.090.773,3324	7.090.773,2629		
Station: 2+0									
Dist. Eixo (m):			-5,759	-3,802	0,000	4,225	6,327		
Cota (m):			14,553	14,514		14,505	14,547		
E:			709.325,8215	709.323,8656	709.320,0655	709.315,8427	709.313,7424		
N:			7.090.763,6718	7.090.763,6066	7.090.763,4800	7.090.763,3393	7.090.763,2693		
Station: 2+10									
Dist. Eixo (m):			-5,772	-3,846	0,000				
Cota (m):			14,703	14,665					
E:			709.326,1678	709.324,2420	709.320,3986				
N:			7.090.753,6778	7.090.753,6136	7.090.753,4856				
Station: 3+0									
Dist. Eixo (m):			-5,785	-3,889	0,000	4,143	6,282		
Cota (m):			14,896	14,858		14,853	14,896		
E:			709.326,5132	709.324,6184	709.320,7317	709.316,5915	709.314,4528		
N:			7.090.743,6838	7.090.743,6206	7.090.743,4911	7.090.743,3531	7.090.743,2818		
Station: 3+10									
Dist. Eixo (m):			-5,841	-3,932	0,000	4,101	6,106		
Cota (m):			15,173	15,135		15,131	15,171		
E:			709.326,9023	709.324,9948	709.321,0648	709.316,9659	709.314,9624		
N:			7.090.733,6912	7.090.733,6276	7.090.733,4967	7.090.733,3601	7.090.733,2933		
Station: 4+0									
Dist. Eixo (m):			-6,013	-3,976	0,000	4,060	6,016		
Cota (m):			15,458	15,417		15,415	15,454		
E:			709.327,4078	709.325,3712	709.321,3979	709.317,3403	709.315,3848		
N:			7.090.723,7025	7.090.723,6346	7.090.723,5022	7.090.723,3670	7.090.723,3018		
Station: 4+7									
Dist. Eixo (m):			-6,089	-4,010	0,000	4,027	5,976		
Cota (m):			15,692	15,648		15,648	15,686		
E:			709.327,7488	709.325,6708	709.321,6630	709.317,6383	709.315,6904		
N:			7.090.715,7492	7.090.715,6799	7.090.715,5464	7.090.715,4122	7.090.715,3473		
Station: 4+10									
Dist. Eixo (m):			-6,088	-4,009	0,000	4,028	6,537		
Cota (m):			15,759	15,718		15,717	15,768		
E:			709.327,8270	709.325,7497	709.321,7435	709.317,7182	709.315,2113		
N:			7.090.713,7486	7.090.713,6665	7.090.713,5082	7.090.713,3492	7.090.713,2501		
Station: 5+0									
Dist. Eixo (m):			-6,098	-4,009	0,000	4,032	7,000		
Cota (m):			15,919	15,878		15,877	15,937		
E:			709.328,2315	709.326,1445	709.322,1383	709.318,1091	709.315,1438		
N:			7.090.703,7567	7.090.703,6743	7.090.703,5160	7.090.703,3568	7.090.703,2397		
Station: 5+4									
Dist. Eixo (m):			-6,103	-4,009	0,000	4,005	6,192		
Cota (m):			15,858	15,816		15,817	15,860		
E:			709.328,4316	709.326,3398	709.322,3337	709.318,3313	709.316,1467		
N:			7.090.698,8125	7.090.698,7298	7.090.698,5716	7.090.698,4134	7.090.698,3271		
Station: 5+10									
Dist. Eixo (m):			-6,099	-4,031	0,000	3,989	5,974		
Cota (m):			15,632	15,590		15,591	15,631		
E:			709.328,6066	709.326,5397	709.322,5115	709.318,5246	709.316,5411		
N:			7.090.693,7377	7.090.693,6649	7.090.693,5230	7.090.693,3825	7.090.693,3126		
Station: 6+0									
Dist. Eixo (m):			-6,065	-4,063	0,000	3,957	5,944		
Cota (m):			15,175	15,135		15,137	15,177		
E:			709.328,9246	709.326,9238	709.322,8636	709.318,9087	709.316,9235		
N:			7.090.683,7427	7.090.683,6722	7.090.683,5292	7.090.683,3899	7.090.683,3199		

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Desenho Esquemático:



PONTOS NOTÁVEIS			SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)		
Station: 6+10									
Dist. Eixo (m):			-6,027	-4,095	0,000	3,925	5,914		
Cota (m):			14,709	14,671		14,674	14,714		
E:			709.329,2392	709.327,3078	709.323,2157	709.319,2927	709.317,3058		
N:			7.090.673,7476	7.090.673,6796	7.090.673,5354	7.090.673,3972	7.090.673,3272		
Station: 6+17									
Dist. Eixo (m):			-5,995	-4,120	0,000	3,900	5,890		
Cota (m):			14,340	14,302		14,307	14,346		
E:			709.329,4863	709.327,6127	709.323,4952	709.319,5976	709.317,6093		
N:			7.090.665,8133	7.090.665,7473	7.090.665,6022	7.090.665,4649	7.090.665,3949		
Station: 7+0									
Dist. Eixo (m):			-5,996	-4,113	0,000	4,069	5,877		
Cota (m):			14,247	14,210		14,211	14,247		
E:			709.329,5536	709.327,6721	709.323,5611	709.319,4942	709.317,6874		
N:			7.090.663,7330	7.090.663,6728	7.090.663,5414	7.090.663,4113	7.090.663,3535		
Station: 7+9									
Dist. Eixo (m):			-6,052	-4,049	0,000	3,979	5,957		
Cota (m):			13,989	13,949		13,950	13,990		
E:			709.329,8989	709.327,8965	709.323,8499	709.319,8731	709.317,8956		
N:			7.090.654,7047	7.090.654,6407	7.090.654,5113	7.090.654,3841	7.090.654,3209		
Station: 7+10									
Dist. Eixo (m):			-6,051	-4,045	0,000	3,976	5,959		
Cota (m):			13,966	13,926		13,927	13,967		
E:			709.329,9340	709.327,9302	709.323,8882	709.319,9148	709.317,9336		
N:			7.090.653,7866	7.090.653,7071	7.090.653,5467	7.090.653,3891	7.090.653,3105		
Station: 8+0									
Dist. Eixo (m):			-6,036	-4,010	0,000	4,011	5,980		
Cota (m):			13,798	13,758		13,758	13,797		
E:			709.330,3161	709.328,2909	709.324,2846	709.320,2772	709.318,3094		
N:			7.090.643,7939	7.090.643,7135	7.090.643,5546	7.090.643,3956	7.090.643,3176		
Station: 8+10									
Dist. Eixo (m):			-6,022	-3,997	0,000				
Cota (m):			13,703	13,663					
E:			709.330,6982	709.328,6751	709.324,6810				
N:			7.090.633,8012	7.090.633,7209	7.090.633,5625				
Station: 8+17									
Dist. Eixo (m):			-6,011	-4,010	0,000	4,054	6,002		
Cota (m):			13,850	13,810		13,809	13,848		
E:			709.330,9785	709.328,9786	709.324,9718	709.320,9206	709.318,9750		
N:			7.090.626,4697	7.090.626,3904	7.090.626,2314	7.090.626,0707	7.090.625,9935		
Station: 9+0									
Dist. Eixo (m):			-6,012	-4,010	0,000	4,010	6,005		
Cota (m):			13,663	13,623		13,623	13,663		
E:			709.331,0806	709.329,0802	709.325,0731	709.321,0660	709.319,0729		
N:			7.090.623,7989	7.090.623,7227	7.090.623,5702	7.090.623,4176	7.090.623,3417		
Station: 9+10									
Dist. Eixo (m):			-5,981	-4,010	0,000	4,010	6,021		
Cota (m):			13,717	13,678		13,678	13,718		
E:			709.331,4300	709.329,4606	709.325,4535	709.321,4464	709.319,4365		
N:			7.090.613,8049	7.090.613,7300	7.090.613,5774	7.090.613,4248	7.090.613,3483		
Station: 10+0									
Dist. Eixo (m):			-5,937	-4,010	0,000	4,010	6,033		
Cota (m):			13,780	13,742		13,742	13,782		
E:			709.331,7670	709.329,8411	709.325,8340	709.321,8269	709.319,8051		
N:			7.090.603,8105	7.090.603,7372	7.090.603,5846	7.090.603,4321	7.090.603,3551		
Station: 10+10									
Dist. Eixo (m):			-5,894	-4,010	0,000	4,010	6,021		
Cota (m):			13,848	13,811		13,811	13,851		
E:			709.332,1039	709.330,2215	709.326,2144	709.322,2073	709.320,1976		
N:			7.090.593,8161	7.090.593,7444	7.090.593,5919	7.090.593,4393	7.090.593,3628		
Station: 11+0									
Dist. Eixo (m):			-5,850	-4,010	0,000	4,010	6,009		
Cota (m):			13,927	13,890		13,890	13,930		
E:			709.332,4409	709.330,6019	709.326,5948	709.322,5877	709.320,5901		
N:			7.090.583,8217	7.090.583,7517	7.090.583,5991	7.090.583,4466	7.090.583,3705		
Station: 11+10									
Dist. Eixo (m):			-5,829	-4,066	0,000				
Cota (m):			14,153	14,118					
E:			709.332,8287	709.331,0669	709.327,0045				
N:			7.090.573,8464	7.090.573,7742	7.090.573,6075				
Station: 12+0									
Dist. Eixo (m):			-5,817	-4,099	0,000	3,921	5,894		
Cota (m):			14,577	14,543		14,546	14,586		
E:			709.333,2267	709.331,5101	709.327,4144	709.323,4968	709.321,5257		
N:			7.090.563,8544	7.090.563,7839	7.090.563,6159	7.090.563,4552	7.090.563,3743		
Station: 12+10									
Dist. Eixo (m):			-5,805	-4,080	0,000	3,940	6,054		
Cota (m):			15,163	15,128		15,131	15,174		
E:			709.333,6248	709.331,9013	709.327,8243	709.323,8880	709.321,7749		
N:			7.090.553,8623	7.090.553,7916	7.090.553,6243	7.090.553,4628	7.090.553,3762		

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Desenho Esquemático:



PONTOS NOTÁVEIS			SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)		
Station: 13+0									
Dist. Eixo (m):			-5,794	-4,062	0,000	3,958	5,973		
Cota (m):			16,183	16,148		16,150	16,191		
E:			709.334,0228	709.332,2925	709.328,2342	709.324,2792	709.322,2659		
N:			7.090.543,8702	7.090.543,7992	7.090.543,6327	7.090.543,4705	7.090.543,3879		
Station: 13+10									
Dist. Eixo (m):			-5,758	-4,043	0,000	3,977	5,935		
Cota (m):			17,277	17,243		17,244	17,283		
E:			709.334,3969	709.332,6837	709.328,6440	709.324,6704	709.322,7141		
N:			7.090.533,8771	7.090.533,8068	7.090.533,6411	7.090.533,4781	7.090.533,3979		
Station: 14+0									
Dist. Eixo (m):			-5,550	-4,024	0,000	3,996	5,944		
Cota (m):			18,353	18,323		18,323	18,362		
E:			709.334,5996	709.333,0749	709.329,0539	709.325,0616	709.323,1153		
N:			7.090.523,8770	7.090.523,8145	7.090.523,6495	7.090.523,4858	7.090.523,4059		
Station: 14+8									
Dist. Eixo (m):			-5,380	-3,998	0,000	4,010	5,944		
Cota (m):			19,268	19,240		19,240	19,279		
E:			709.334,7664	709.333,3855	709.329,3913	709.325,3823	709.323,4490		
N:			7.090.515,6453	7.090.515,5887	7.090.515,4248	7.090.515,2603	7.090.515,1810		
Station: 14+10									
Dist. Eixo (m):			-5,399	-3,950	0,000	3,970	5,871		
Cota (m):			19,390	19,361		19,361	19,399		
E:			709.334,8058	709.333,3569	709.329,4067	709.325,4369	709.323,5364		
N:			7.090.513,7033	7.090.513,6908	7.090.513,6565	7.090.513,6221	7.090.513,6056		
Station: 15+0									
Dist. Eixo (m):			-5,393	-3,712	0,000	3,724	5,403		
Cota (m):			20,078	20,039		20,038	20,072		
E:			709.334,8859	709.333,2057	709.329,4934	709.325,7696	709.324,0909		
N:			7.090.503,7037	7.090.503,6891	7.090.503,6569	7.090.503,6246	7.090.503,6100		
Station: 15+10									
Dist. Eixo (m):			-5,507	-3,517	0,000	3,521	5,511		
Cota (m):			20,722	20,682		20,682	20,722		
E:			709.335,0870	709.333,0970	709.329,5801	709.326,0592	709.324,0693		
N:			7.090.493,7050	7.090.493,6878	7.090.493,6573	7.090.493,6267	7.090.493,6095		
Station: 16+0									
Dist. Eixo (m):			-5,573	-3,583	0,000	3,584	5,574		
Cota (m):			20,747	20,707		20,707	20,747		
E:			709.335,2395	709.333,2496	709.329,6668	709.326,0826	709.324,0927		
N:			7.090.483,7060	7.090.483,6887	7.090.483,6576	7.090.483,6266	7.090.483,6093		
Station: 16+6									
Dist. Eixo (m):			-5,617	-3,627	0,000	3,627	5,617		
Cota (m):			20,763	20,724		20,724	20,763		
E:			709.335,3424	709.333,3524	709.329,7253	709.326,0984	709.324,1085		
N:			7.090.476,9641	7.090.476,9468	7.090.476,9154	7.090.476,8839	7.090.476,8667		
Station: 16+10									
Dist. Eixo (m):			-5,638	-3,648	0,000	3,648	5,638		
Cota (m):			20,745	20,706		20,706	20,745		
E:			709.335,3921	709.333,4021	709.329,7539	709.326,1061	709.324,1161		
N:			7.090.473,7076	7.090.473,6901	7.090.473,6580	7.090.473,6259	7.090.473,6084		
Station: 17+0									
Dist. Eixo (m):			-5,708	-3,713	0,000	3,713	5,703		
Cota (m):			20,090	20,050		20,050	20,090		
E:			709.335,5501	709.333,5547	709.329,8419	709.326,1295	709.324,1395		
N:			7.090.463,7086	7.090.463,6911	7.090.463,6584	7.090.463,6258	7.090.463,6083		
Station: 17+10									
Dist. Eixo (m):			-5,860	-3,778	0,000	3,777	5,767		
Cota (m):			19,169	19,128		19,128	19,167		
E:			709.335,7898	709.333,7073	709.329,9298	709.326,1529	709.324,1629		
N:			7.090.453,7103	7.090.453,6920	7.090.453,6588	7.090.453,6256	7.090.453,6081		
Station: 18+0									
Dist. Eixo (m):			-5,963	-3,842	0,000	3,842	5,832		
Cota (m):			17,957	17,914		17,914	17,954		
E:			709.335,9801	709.333,8599	709.330,0177	709.326,1763	709.324,1863		
N:			7.090.443,7116	7.090.443,6930	7.090.443,6592	7.090.443,6254	7.090.443,6079		
Station: 18+10									
Dist. Eixo (m):			-6,053	-3,907	0,000	3,906	5,896		
Cota (m):			16,821	16,778		16,778	16,818		
E:			709.336,1585	709.334,0124	709.330,1056	709.326,1997	709.324,2097		
N:			7.090.433,7128	7.090.433,6939	7.090.433,6596	7.090.433,6252	7.090.433,6077		
Station: 19+0									
Dist. Eixo (m):			-6,169	-3,972	0,000	3,971	5,961		
Cota (m):			15,876	15,832		15,832	15,872		
E:			709.336,3623	709.334,1650	709.330,1936	709.326,2231	709.324,2331		
N:			7.090.423,7142	7.090.423,6949	7.090.423,6600	7.090.423,6250	7.090.423,6075		
Station: 19+5									
Dist. Eixo (m):			-6,036	-4,009	0,000	4,009	5,999		
Cota (m):			15,533	15,492		15,492	15,532		
E:			709.336,2822	709.334,2549	709.330,2454	709.326,2369	709.324,2469		
N:			7.090.417,8209	7.090.417,8031	7.090.417,7678	7.090.417,7326	7.090.417,7151		

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PONTOS NOTÁVEIS			SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)		
Station: 19+10									
Dist. Eixo (m):			-5,864	-4,010	0,000	4,010	5,550		
Cota (m):			15,294	15,257		15,257	15,288		
E:			709.336,2279	709.334,3739	709.330,3661	709.326,3574	709.324,8184		
N:			7.090.413,8343	7.090.413,7798	7.090.413,6620	7.090.413,5441	7.090.413,4988		
Station: 20+0									
Dist. Eixo (m):			-5,474	-4,008	0,000	4,012	5,557		
Cota (m):			14,849	14,820		14,820	14,851		
E:			709.336,1316	709.334,6666	709.330,6600	709.326,6501	709.325,1050		
N:			7.090.403,8271	7.090.403,7841	7.090.403,6663	7.090.403,5484	7.090.403,5030		
Station: 20+10									
Dist. Eixo (m):			-5,883	-4,007	0,000	4,013	5,390		
Cota (m):			14,273	14,236		14,236	14,263		
E:			709.336,8340	709.334,9594	709.330,9539	709.326,9428	709.325,5665		
N:			7.090.393,8435	7.090.393,7884	7.090.393,6706	7.090.393,5527	7.090.393,5122		
Station: 21+0									
Dist. Eixo (m):			-6,270	-4,006	0,000	4,014	5,561		
Cota (m):			13,884	13,839		13,839	13,869		
E:			709.337,5149	709.335,2521	709.331,2478	709.327,2356	709.325,6894		
N:			7.090.383,8592	7.090.383,7926	7.090.383,6749	7.090.383,5570	7.090.383,5115		
Station: 21+10									
Dist. Eixo (m):			-6,261	-4,005	0,000	4,015	5,590		
Cota (m):			13,731	13,686		13,685	13,717		
E:			709.337,8003	709.335,5449	709.331,5416	709.327,5283	709.325,9543		
N:			7.090.373,8632	7.090.373,7969	7.090.373,6792	7.090.373,5612	7.090.373,5150		
Station: 21+16									
Dist. Eixo (m):			-6,313	-4,009	0,000	4,010	5,200		
Cota (m):			13,636	13,590		13,590	13,614		
E:			709.338,0508	709.335,7481	709.331,7398	709.327,7316	709.326,5421		
N:			7.090.367,1242	7.090.367,0565	7.090.366,9387	7.090.366,8208	7.090.366,7859		
Station: 22+0									
Dist. Eixo (m):			-6,332	-4,114	0,000				
Cota (m):			13,643	13,599					
E:			709.338,2157	709.335,9992	709.331,8900				
N:			7.090.363,9775	7.090.363,8753	7.090.363,6856				
Station: 22+10									
Dist. Eixo (m):			-6,395	-4,361	0,000	3,660	5,612		
Cota (m):			13,852	13,812		13,826	13,865		
E:			709.338,7392	709.336,7070	709.332,3510	709.328,6945	709.326,7446		
N:			7.090.353,9911	7.090.353,8973	7.090.353,6962	7.090.353,5275	7.090.353,4375		
Station: 23+0									
Dist. Eixo (m):			-6,233	-4,204	0,000	3,817	5,903		
Cota (m):			14,165	14,124		14,132	14,174		
E:			709.339,0383	709.337,0116	709.332,8120	709.328,9992	709.326,9157		
N:			7.090.343,9942	7.090.343,9007	7.090.343,7069	7.090.343,5309	7.090.343,4348		
Station: 23+10									
Dist. Eixo (m):					0,000	3,973	6,064		
Cota (m):						14,886	14,928		
E:					709.333,2730	709.329,3038	709.327,2153		
N:					7.090.333,7175	7.090.333,5343	7.090.333,4379		
Station: 23+12									
Dist. Eixo (m):					0,000	4,010	6,092		
Cota (m):						15,098	15,140		
E:					709.333,3823	709.329,3760	709.327,2957		
N:					7.090.331,3501	7.090.331,1652	7.090.331,0692		
Station: 24+0									
Dist. Eixo (m):					0,000	4,010	6,066		
Cota (m):						15,845	15,886		
E:					709.333,6148	709.329,6066	709.327,5518		
N:					7.090.323,7236	7.090.323,6014	7.090.323,5387		
Station: 24+10									
Dist. Eixo (m):			-6,532	-4,042	0,000	4,010	6,031		
Cota (m):			17,169	17,119		17,120	17,160		
E:			709.340,4485	709.337,9596	709.333,9195	709.329,9112	709.327,8917		
N:			7.090.313,9273	7.090.313,8514	7.090.313,7282	7.090.313,6060	7.090.313,5444		
Station: 24+18									
Dist. Eixo (m):			-6,457	-3,911	0,000	4,010	5,997		
Cota (m):			18,312	18,261		18,259	18,299		
E:			709.340,6374	709.338,0929	709.334,1836	709.330,1755	709.328,1891		
N:			7.090.305,2613	7.090.305,1837	7.090.305,0645	7.090.304,9423	7.090.304,8817		
Station: 25+0									
Dist. Eixo (m):			-6,450	-3,898	0,000	3,994	5,929		
Cota (m):			18,468	18,417		18,415	18,452		
E:			709.340,6669	709.338,1165	709.334,2198	709.330,2271	709.328,2929		
N:			7.090.303,9076	7.090.303,8384	7.090.303,7327	7.090.303,6244	7.090.303,5720		
Station: 25+10									
Dist. Eixo (m):			-6,397	-3,803	0,000	3,874	5,562		
Cota (m):			19,638	19,586		19,585	19,618		
E:			709.340,8851	709.338,2920	709.334,4909	709.330,6184	709.328,9312		
N:			7.090.293,9098	7.090.293,8395	7.090.293,7364	7.090.293,6314	7.090.293,5856		

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PONTOS NOTÁVEIS			SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)		
Station: 26+0									
Dist. Eixo (m):			-6,354	-3,707	0,000	3,754	5,454		
Cota (m):			20,485	20,432		20,431	20,465		
E:			709.341,1139	709.338,4675	709.334,7620	709.331,0096	709.329,3099		
N:			7.090.283,9124	7.090.283,8406	7.090.283,7401	7.090.283,6383	7.090.283,5922		
Station: 26+10									
Dist. Eixo (m):			-6,404	-3,611	0,000	3,634	5,298		
Cota (m):			20,852	20,796		20,796	20,829		
E:			709.341,4349	709.338,6429	709.335,0331	709.331,4009	709.329,7366		
N:			7.090.273,9174	7.090.273,8417	7.090.273,7438	7.090.273,6452	7.090.273,6001		
Station: 26+19									
Dist. Eixo (m):			-6,407	-3,516	0,000				
Cota (m):			20,924	20,866					
E:			709.341,7036	709.338,8138	709.335,2984				
N:			7.090.264,1360	7.090.264,0576	7.090.263,9622				
Station: 27+0									
Dist. Eixo (m):			-6,404	-3,514	0,000				
Cota (m):			20,906	20,848					
E:			709.341,7058	709.338,8185	709.335,3074				
N:			7.090.264,0170	7.090.263,8954	7.090.263,7475				
Station: 29+10									
Dist. Eixo (m):			-5,691	-3,640	0,000	3,818	6,493		
Cota (m):			18,077	18,036		18,033	18,086		
E:			709.343,0973	709.341,0481	709.337,4116	709.333,5974	709.330,9240		
N:			7.090.214,0313	7.090.213,9450	7.090.213,7918	7.090.213,6312	7.090.213,5186		

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 30+0									
Dist. Eixo (m):		-5,503	-2,971	-2,961	0,000	3,228	3,238	5,712	5,997
Cota Camada 1 (m)				18,686	18,775	18,871			
Cota Camada 3 (m)				18,606	18,695	18,791			
Cota Camada 6 (m)				18,566	18,655	18,751			
Cota Camada 7 (m)				18,446	18,535	18,631			
Cota (m):		17,826	17,776	18,296	18,385	18,481	17,961	18,011	19,356
E:		709.343,2963	709.340,7654	709.340,7554	709.337,7969	709.334,5717	709.334,5617	709.332,0891	709.331,8040
N:		7.090.204,0104	7.090.203,9133	7.090.203,9129	7.090.203,7993	7.090.203,6754	7.090.203,6750	7.090.203,5801	7.090.203,5692
Station: 30+10									
Dist. Eixo (m):		-5,523	-2,908	-2,898	0,000	3,102	3,112	4,602	5,444
Cota Camada 1 (m)				18,598	18,685	18,778			
Cota Camada 3 (m)				18,518	18,605	18,698			
Cota Camada 6 (m)				18,478	18,565	18,658			
Cota Camada 7 (m)				18,358	18,445	18,538			
Cota (m):		17,757	17,688	18,208	18,295	18,388	17,868	17,898	19,752
E:		709.343,6999	709.341,0861	709.341,0762	709.338,1806	709.335,0805	709.335,0705	709.333,5815	709.332,7409
N:		7.090.194,0186	7.090.193,9182	7.090.193,9178	7.090.193,8066	7.090.193,6876	7.090.193,6872	7.090.193,6300	7.090.193,5978
Station: 31+0									
Dist. Eixo (m):		-5,525	-2,845	-2,835	0,000	3,165	3,175	4,665	
Cota Camada 1 (m)				18,674	18,759	18,854			
Cota Camada 3 (m)				18,594	18,679	18,774			
Cota Camada 6 (m)				18,554	18,639	18,734			
Cota Camada 7 (m)				18,434	18,519	18,614			
Cota (m):		17,818	17,764	18,284	18,369	18,464	17,944	17,974	
E:		709.344,0853	709.341,4069	709.341,3969	709.338,5643	709.335,4012	709.335,3912	709.333,9022	
N:		7.090.184,0260	7.090.183,9231	7.090.183,9228	7.090.183,8140	7.090.183,6925	7.090.183,6922	7.090.183,6350	
Station: 31+10									
Dist. Eixo (m):	-4,565	-4,272	-2,782	-2,772	0,000	3,228	3,238	4,729	5,221
Cota Camada 1 (m)				18,915	18,998	19,095			
Cota Camada 3 (m)				18,835	18,918	19,015			
Cota Camada 6 (m)				18,795	18,878	18,975			
Cota Camada 7 (m)				18,675	18,758	18,855			
Cota (m):	18,899	19,094	18,005	18,525	18,608	18,705	18,185	18,214	18,946
E:	709.343,5098	709.343,2167	709.341,7276	709.341,7176	709.338,9480	709.335,7219	709.335,7119	709.334,2229	709.333,7306
N:	7.090.173,9965	7.090.173,9853	7.090.173,9281	7.090.173,9277	7.090.173,8214	7.090.173,6975	7.090.173,6971	7.090.173,6399	7.090.173,6210
Station: 32+0									
Dist. Eixo (m):	-4,443	-4,209	-2,719	-2,709	0,000	3,292	3,302	4,792	5,248
Cota Camada 1 (m)				19,278	19,359	19,458			
Cota Camada 3 (m)				19,198	19,279	19,378			
Cota Camada 6 (m)				19,158	19,239	19,338			
Cota Camada 7 (m)				19,038	19,119	19,218			
Cota (m):	19,301	19,457	18,368	18,888	18,969	19,068	18,548	18,577	19,333
E:	709.343,7715	709.343,5374	709.342,0483	709.342,0383	709.339,3317	709.336,0426	709.336,0326	709.334,5437	709.334,0876
N:	7.090.163,9992	7.090.163,9902	7.090.163,9330	7.090.163,9327	7.090.163,8287	7.090.163,7024	7.090.163,7020	7.090.163,6449	7.090.163,6274

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Desenho Esquemático:



PONTOS NOTÁVEIS			SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)		
Station: 36+10									
Dist. Eixo (m):			-4,970	-3,077	0,000	3,009	4,349		
Cota (m):			22,360	22,322	23,294	22,324	22,351		
E:			709.347,9974	709.346,1119	709.343,0458	709.340,0480	709.338,7130		
N:			7.090.074,3386	7.090.074,1758	7.090.073,9113	7.090.073,6526	7.090.073,5373		
Station: 37+0									
Dist. Eixo (m):			-4,885	-3,211	0,000	3,000	4,340		
Cota (m):			21,355	21,321	22,295	21,326	21,352		
E:			709.348,7721	709.347,1050	709.343,9056	709.340,9168	709.339,5818		
N:			7.090.064,3683	7.090.064,2244	7.090.063,9483	7.090.063,6904	7.090.063,5751		
Station: 37+10									
Dist. Eixo (m):			-4,853	-3,345	0,000				
Cota (m):			19,896	19,866	20,843				
E:			709.349,6003	709.348,0981	709.344,7654				
N:			7.090.054,4026	7.090.054,2729	7.090.053,9853				
Station: 37+13									
Dist. Eixo (m):			-4,930	-3,390	0,000	4,009	7,152		
Cota (m):			19,312	19,281	20,259	19,269	19,332		
E:			709.349,9672	709.348,4334	709.345,0556	709.341,0600	709.337,9272		
N:			7.090.051,0456	7.090.050,9133	7.090.050,6218	7.090.050,2770	7.090.050,0066		
Station: 38+0									
Dist. Eixo (m):			-5,262	-3,658	0,000	3,951	7,306		
Cota (m):			18,163	18,131	19,114	18,125	18,192		
E:			709.350,7021	709.349,1007	709.345,4496	709.341,5052	709.338,1568		
N:			7.090.044,3224	7.090.044,2270	7.090.044,0095	7.090.043,7746	7.090.043,5751		
Station: 38+10									
Dist. Eixo (m):			-5,756	-3,893	0,000	5,010	7,544		
Cota (m):			16,421	16,384	17,371	16,361	16,412		
E:			709.351,7900	709.349,9301	709.346,0442	709.341,0431	709.338,5136		
N:			7.090.034,3695	7.090.034,2587	7.090.034,0272	7.090.033,7293	7.090.033,5786		
Station: 39+0									
Dist. Eixo (m):			-6,194	-3,974	0,000	3,926	7,581		
Cota (m):			15,042	14,998	15,987	14,999	15,072		
E:			709.352,8216	709.350,6054	709.346,6389	709.342,7194	709.339,0716		
N:			7.090.024,4133	7.090.024,2812	7.090.024,0449	7.090.023,8114	7.090.023,5941		
Station: 39+5									
Dist. Eixo (m):			-6,133	-3,898	0,000	4,010	7,012		
Cota (m):			14,445	14,401	15,388	14,398	14,451		
E:			709.353,0861	709.350,8552	709.346,9642	709.342,9606	709.339,9627		
N:			7.090.018,9483	7.090.018,8154	7.090.018,5836	7.090.018,3451	7.090.018,1665		
Station: 39+10									
Dist. Eixo (m):			-6,102	-3,937	0,000	3,978	6,320		
Cota (m):			13,950	13,907	14,896	13,906	13,953		
E:			709.353,2288	709.351,0661	709.347,1313	709.343,1563	709.340,8160		
N:			7.090.014,2828	7.090.014,2029	7.090.014,0577	7.090.013,9110	7.090.013,8246		

Desenho Esquemático:



PONTOS NOTÁVEIS			SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)		
Station: 40+0									
Dist. Eixo (m):			-6,286	-4,025	0,000	3,906	6,250		
Cota (m):			13,272	13,227	14,217	13,229	13,276		
E:			709.353,7820	709.351,5227	709.347,5002	709.343,5972	709.341,2542		
N:			7.090.004,2964	7.090.004,2130	7.090.004,0645	7.090.003,9204	7.090.003,8339		
Station: 40+10									
Dist. Eixo (m):			-6,373	-4,103	0,000	3,921	6,195		
Cota (m):			12,733	12,688	13,680	12,692	12,737		
E:			709.354,2375	709.351,9690	709.347,8691	709.343,9503	709.341,6780		
N:			7.089.994,3064	7.089.994,2226	7.089.994,0713	7.089.993,9267	7.089.993,8428		
Station: 41+0									
Dist. Eixo (m):			-6,332	-4,075	0,000	3,949	5,989		
Cota (m):			12,471	12,426	13,417	12,428	12,469		
E:			709.354,5661	709.352,3098	709.348,2380	709.344,2921	709.342,2527		
N:			7.089.984,3117	7.089.984,2284	7.089.984,0781	7.089.983,9325	7.089.983,8572		
Station: 41+10									
Dist. Eixo (m):			-6,206	-4,046	0,000	3,976	5,945		
Cota (m):			12,270	12,227	13,218	12,228	12,268		
E:			709.354,8088	709.352,6506	709.348,6068	709.344,6340	709.342,6659		
N:			7.089.974,3139	7.089.974,2342	7.089.974,0849	7.089.973,9383	7.089.973,8656		
Station: 42+0									
Dist. Eixo (m):			-6,078	-4,019	0,000	4,003	5,991		
Cota (m):			12,100	12,059	13,049	12,059	12,099		
E:			709.355,0501	709.352,9924	709.348,9757	709.344,9758	709.342,9889		
N:			7.089.964,3160	7.089.964,2400	7.089.964,0917	7.089.963,9441	7.089.963,8707		

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Dist. Eixo (m):				-5,924	-4,002	0,000	4,032	5,961	
Cota (m):				11,879	11,840	12,830	11,840	11,878	
E:				709.355,2645	709.353,3435	709.349,3446	709.345,3156	709.343,3872	
N:				7.089.954,3171	7.089.954,2461	7.089.954,0985	7.089.953,9498	7.089.953,8786	
Station: 42+18									
Dist. Eixo (m):						0,000	5,010	6,200	
Cota (m):						12,674	11,664	11,688	
E:						709.349,6739	709.344,6673	709.343,4781	
N:						7.089.945,1774	7.089.944,9926	7.089.944,9487	
Station: 43+0									
Dist. Eixo (m):						0,000	4,386	6,051	
Cota (m):						12,682	11,684	11,717	
E:						709.349,7225	709.345,3410	709.343,6778	
N:						7.089.944,1057	7.089.943,9071	7.089.943,8317	
Station: 43+10									
Dist. Eixo (m):						0,000	3,807	6,168	
Cota (m):						12,555	11,569	11,617	
E:						709.350,1754	709.346,3720	709.344,0133	
N:						7.089.934,1160	7.089.933,9435	7.089.933,8366	
Station: 44+0									
Dist. Eixo (m):				-5,920	-5,010	0,000	3,950	6,196	
Cota (m):				11,517	11,499	12,509	11,520	11,565	
E:				709.356,5426	709.355,6332	709.350,6283	709.346,6828	709.344,4391	
N:				7.089.924,3944	7.089.924,3531	7.089.924,1262	7.089.923,9473	7.089.923,8456	
Station: 44+5									
Dist. Eixo (m):				-5,856	-5,010	0,000	4,026	6,221	
Cota (m):				11,483	11,466	12,476	11,485	11,529	
E:				709.356,7233	709.355,8782	709.350,8734	709.346,8509	709.344,6580	
N:				7.089.918,9873	7.089.918,9490	7.089.918,7221	7.089.918,5397	7.089.918,4403	
Station: 44+10									
Dist. Eixo (m):				-5,890	-3,909	0,000	4,036	6,247	
Cota (m):				11,493	11,454	12,442	11,451	11,495	
E:				709.356,9126	709.354,9320	709.351,0256	709.346,9920	709.344,7818	
N:				7.089.914,3296	7.089.914,2639	7.089.914,1343	7.089.914,0005	7.089.913,9272	
Station: 45+0									
Dist. Eixo (m):				-5,924	-3,955	0,000	4,057	6,345	
Cota (m):				11,436	11,397	12,386	11,395	11,440	
E:				709.357,2774	709.355,3095	709.351,3572	709.347,3027	709.345,0159	
N:				7.089.904,3362	7.089.904,2709	7.089.904,1398	7.089.904,0053	7.089.903,9294	
Station: 45+10									
Dist. Eixo (m):				-5,858	-3,934	0,000	4,078	6,463	
Cota (m):				11,373	11,335	12,323	11,332	11,380	
E:				709.357,5434	709.355,6206	709.351,6888	709.347,6134	709.345,2289	
N:				7.089.894,3395	7.089.894,2758	7.089.894,1453	7.089.894,0101	7.089.893,9310	
Station: 46+0									
Dist. Eixo (m):				-5,766	-3,896	0,000	4,098	6,373	
Cota (m):				11,345	11,308	12,295	11,304	11,349	
E:				709.357,7830	709.355,9141	709.352,0203	709.347,9242	709.345,6509	
N:				7.089.884,3420	7.089.884,2800	7.089.884,1508	7.089.884,0149	7.089.883,9395	
Station: 46+10									
Dist. Eixo (m):				-5,711	-3,858	0,000	4,119	6,255	
Cota (m):				11,324	11,287	12,274	11,282	11,325	
E:				709.358,0596	709.356,2076	709.352,3519	709.348,2349	709.346,1002	
N:				7.089.874,3457	7.089.874,2842	7.089.874,1563	7.089.874,0197	7.089.873,9489	
Desenho Esquemático:									
PONTOS NOTÁVEIS				SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	
Station: 47+0									
Dist. Eixo (m):				-5,654	-3,820	0,000	4,123	6,108	
Cota (m):				11,278	11,241	12,227	11,235	11,275	
E:				709.358,3348	709.356,5012	709.352,6835	709.348,5626	709.346,5791	
N:				7.089.864,3493	7.089.864,2885	7.089.864,1618	7.089.864,0251	7.089.863,9593	
Station: 47+10									
Dist. Eixo (m):				-5,657	-3,796	0,000	4,121	5,923	
Cota (m):				11,225	11,187	12,173	11,181	11,217	
E:				709.358,6695	709.356,8095	709.353,0151	709.348,8968	709.347,0957	
N:				7.089.854,3549	7.089.854,2932	7.089.854,1673	7.089.854,0307	7.089.853,9709	
Station: 48+0									
Dist. Eixo (m):				-5,666	-3,813	0,000	4,118	5,872	
Cota (m):				11,180	11,143	12,129	11,137	11,172	
E:				709.359,0095	709.357,1580	709.353,3467	709.349,2310	709.347,4781	
N:				7.089.844,3607	7.089.844,2993	7.089.844,1728	7.089.844,0363	7.089.843,9781	
Station: 48+10									
Dist. Eixo (m):				-5,811	-3,830	0,000	4,115	5,895	
Cota (m):				11,151	11,111	12,098	11,105	11,141	
E:				709.359,4865	709.357,5066	709.353,6783	709.349,5652	709.347,7863	
N:				7.089.834,3710	7.089.834,3053	7.089.834,1783	7.089.834,0418	7.089.833,9828	
Station: 49+0									
Dist. Eixo (m):				-5,839	-3,841	0,000	4,113	5,957	
Cota (m):				11,162	11,123	12,109	11,117	11,154	
E:				709.359,8454	709.357,8490	709.354,0099	709.349,8994	709.348,0563	
N:				7.089.824,3774	7.089.824,3112	7.089.824,1838	7.089.824,0474	7.089.823,9863	

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Dist. Eixo (m):				-5,848	-3,850	0,000	4,110	5,939			
Cota (m):				11,167	11,127	12,114	11,122	11,158			
E:				709.360,1864	709.358,1895	709.354,3415	709.350,2336	709.348,4058			
N:				7.089.814,3832	7.089.814,3170	7.089.814,1893	7.089.814,0530	7.089.813,9924			
Station: 50+0											
Dist. Eixo (m):				-5,846	-3,859	0,000	4,108	5,961			
Cota (m):				11,140	11,100	12,087	11,095	11,132			
E:				709.360,5155	709.358,5299	709.354,6731	709.350,5677	709.348,7155			
N:				7.089.804,3886	7.089.804,3228	7.089.804,1948	7.089.804,0586	7.089.803,9971			
Station: 50+10											
Dist. Eixo (m):				-5,845	-5,010	0,000	4,105	6,315			
Cota (m):				11,054	11,037	12,047	11,055	11,099			
E:				709.360,8461	709.360,0119	709.355,0047	709.350,9019	709.348,6928			
N:				7.089.794,3941	7.089.794,3664	7.089.794,2003	7.089.794,0642	7.089.793,9909			
Desenho Esquemático:											
PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 51+10											
Dist. Eixo (m):		-6,499	-4,410	-4,410	-3,920	0,000	4,120	4,610	4,610	6,027	
Cota (m):		12,041	12,043	11,393	11,383		11,379	11,389	12,039	12,088	
E:		709.362,1629	709.360,0757	709.360,0757	709.359,5858	709.355,6679	709.351,5505	709.351,0608	709.351,0608	709.349,6446	
N:		7.089.774,4268	7.089.774,3575	7.089.774,3575	7.089.774,3413	7.089.774,2113	7.089.774,0747	7.089.774,0584	7.089.774,0584	7.089.774,0115	
Station: 52+0											
Dist. Eixo (m):		-6,045	-4,384	-4,384	-3,894	0,000	4,071	4,561	4,561	5,933	
Cota (m):		12,088	12,055	11,405	11,395		11,392	11,402	12,052	12,079	
E:		709.362,0407	709.360,3813	709.360,3813	709.359,8913	709.355,9995	709.351,9308	709.351,4411	709.351,4411	709.350,0699	
N:		7.089.764,4172	7.089.764,3622	7.089.764,3622	7.089.764,3459	7.089.764,2168	7.089.764,0818	7.089.764,0656	7.089.764,0656	7.089.764,0201	
Station: 52+10											
Dist. Eixo (m):		-6,017	-4,383	-4,383	-3,893	0,000	4,022	4,512	4,512	5,984	
Cota (m):		12,094	12,062	11,412	11,402		11,399	11,409	12,059	12,089	
E:		709.362,3444	709.360,7114	709.360,7114	709.360,2215	709.356,3311	709.352,3111	709.351,8214	709.351,8214	709.350,3503	
N:		7.089.754,4218	7.089.754,3676	7.089.754,3676	7.089.754,3514	7.089.754,2223	7.089.754,0889	7.089.754,0727	7.089.754,0727	7.089.754,0239	
Station: 53+0											
Dist. Eixo (m):		-6,018	-4,388	-4,388	-3,898	0,000	3,999	4,489	4,489	6,035	
Cota (m):		12,086	12,054	11,404	11,394		11,392	11,402	12,052	12,083	
E:		709.362,6775	709.361,0485	709.361,0485	709.360,5585	709.356,6627	709.352,6658	709.352,1760	709.352,1760	709.350,6307	
N:		7.089.744,4274	7.089.744,3733	7.089.744,3733	7.089.744,3571	7.089.744,2278	7.089.744,0952	7.089.744,0789	7.089.744,0789	7.089.744,0277	
Station: 53+10											
Dist. Eixo (m):		-6,097	-4,395	-4,395	-3,905	0,000	4,003	4,493	4,493	6,086	
Cota (m):		12,098	12,064	11,414	11,405		11,403	11,412	12,062	12,094	
E:		709.363,0876	709.361,3873	709.361,3873	709.360,8973	709.356,9943	709.352,9935	709.352,5038	709.352,5038	709.350,9111	
N:		7.089.734,4355	7.089.734,3790	7.089.734,3790	7.089.734,3628	7.089.734,2333	7.089.734,1006	7.089.734,0843	7.089.734,0843	7.089.734,0315	
Station: 54+0											
Dist. Eixo (m):		-6,141	-4,464	-4,464	-3,974	0,000	4,007	4,497	4,497	6,138	
Cota (m):		12,140	12,106	11,456	11,447		11,446	11,456	12,106	12,139	
E:		709.363,4636	709.361,7874	709.361,7874	709.361,2974	709.357,3258	709.353,3213	709.352,8316	709.352,8316	709.351,1915	
N:		7.089.724,4424	7.089.724,3868	7.089.724,3868	7.089.724,3706	7.089.724,2388	7.089.724,1059	7.089.724,0897	7.089.724,0897	7.089.724,0353	
Desenho Esquemático:											
PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 54+10											
Dist. Eixo (m):		-11,674	-5,586	-5,586	-5,096	0,000	5,059	5,549	5,549	12,072	
Cota (m):		12,246	12,125	11,475	11,465		11,465	11,475	12,125	12,256	
E:		709.369,3248	709.363,2407	709.363,2407	709.362,7508	709.357,6574	709.352,6008	709.352,1110	709.352,1110	709.345,5922	
N:		7.089.714,6314	7.089.714,4295	7.089.714,4295	7.089.714,4133	7.089.714,2443	7.089.714,0765	7.089.714,0603	7.089.714,0603	7.089.713,8440	
Station: 55+10											
Dist. Eixo (m):		-6,107	-4,380	-4,380	-3,889	0,000	3,846	4,336	4,336	5,892	
Cota (m):		12,155	12,120	11,470	11,461		11,461	11,471	12,121	12,152	
E:		709.364,4241	709.362,6978	709.362,6978	709.362,2079	709.358,3206	709.354,4768	709.353,9871	709.353,9871	709.352,4321	
N:		7.089.694,4578	7.089.694,4005	7.089.694,4005	7.089.694,3843	7.089.694,2553	7.089.694,1278	7.089.694,1115	7.089.694,1115	7.089.694,0599	
Station: 56+0											
Dist. Eixo (m):		-6,099	-4,391	-4,391	-3,901	0,000	3,859	4,349	4,349	5,895	
Cota (m):		12,141	12,107	11,457	11,447		11,448	11,458	12,108	12,139	
E:		709.364,7484	709.363,0410	709.363,0410	709.362,5510	709.358,6522	709.354,7957	709.354,3059	709.354,3059	709.352,7604	
N:		7.089.684,4630	7.089.684,4064	7.089.684,4064	7.089.684,3901	7.089.684,2608	7.089.684,1328	7.089.684,1166	7.089.684,1166	7.089.684,0653	
Station: 56+10											
Dist. Eixo (m):		-6,010	-4,403	-4,403	-3,912	0,000	3,865	4,355	4,355	5,798	
Cota (m):		12,126	12,094	11,444	11,434		11,435	11,445	12,095	12,124	
E:		709.364,9908	709.363,3841	709.363,3841	709.362,8942	709.358,9838	709.355,1213	709.354,6316	709.354,6316	709.353,1891	
N:		7.089.674,4656	7.089.674,4123	7.089.674,4123	7.089.674,3960	7.089.674,2663	7.089.674,1381	7.089.674,1219	7.089.674,1219	7.089.674,0740	
Station: 57+0											
Dist. Eixo (m):		-6,033	-4,413	-4,413	-3,922	0,000	3,845	4,335	4,335	5,704	
Cota (m):		12,085	12,053	11,403	11,393		11,395	11,404	12,054	12,082	
E:		709.365,3452	709.363,7256	709.363,7256	709.363,2357	709.359,3154	709.355,4730	709.354,9833	709.354,9833	709.353,6147	
N:		7.089.664,4718	7.089.664,4181	7.089.664,4181	7.089.664,4019	7.089.664,2718	7.089.664,1443	7.089.664,1281	7.089.664,1281	7.089.664,0827	

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Dist. Eixo (m):		-6,056	-4,417	-4,417	-3,927	0,000	3,824	4,314	4,314	5,671	
Cota (m):		12,027	11,995	11,345	11,335		11,337	11,347	11,997	12,024	
E:		709.365,6997	709.364,0614	709.364,0614	709.363,5714	709.359,6470	709.355,8247	709.355,3349	709.355,3349	709.353,9795	
N:		7.089.654,4781	7.089.654,4237	7.089.654,4237	7.089.654,4075	7.089.654,2773	7.089.654,1505	7.089.654,1342	7.089.654,1342	7.089.654,0893	
Station: 58+0											
Dist. Eixo (m):		-6,084	-4,421	-4,421	-3,931	0,000					
Cota (m):		11,970	11,936	11,286	11,277						
E:		709.366,0592	709.364,3971	709.364,3971	709.363,9072	709.359,9786					
N:		7.089.644,4845	7.089.644,4294	7.089.644,4294	7.089.644,4131	7.089.644,2828					
Station: 59+10											
Dist. Eixo (m):		-5,982	-4,493	-4,493	-4,003	0,000	3,830	4,320	4,320	5,818	
Cota (m):		12,088	12,058	11,408	11,398		11,402	11,412	12,062	12,092	
E:		709.367,0774	709.365,5896	709.365,5896	709.365,0997	709.361,0998	709.357,2724	709.356,7828	709.356,7828	709.355,2862	
N:		7.089.614,5281	7.089.614,4723	7.089.614,4723	7.089.614,4539	7.089.614,3038	7.089.614,1601	7.089.614,1417	7.089.614,1417	7.089.614,0855	
Station: 60+0											
Dist. Eixo (m):		-5,985	-4,480	-4,480	-3,989	0,000	3,805	4,295	4,295	5,862	
Cota (m):		12,033	12,003	11,353	11,343		11,347	11,357	12,007	12,038	
E:		709.367,4556	709.365,9513	709.365,9513	709.365,4615	709.361,4749	709.357,6725	709.357,1829	709.357,1829	709.355,6169	
N:		7.089.604,5353	7.089.604,4788	7.089.604,4788	7.089.604,4604	7.089.604,3108	7.089.604,1681	7.089.604,1497	7.089.604,1497	7.089.604,0909	
Station: 60+1											
Dist. Eixo (m):		-5,984	-4,478	-4,478	-3,988	0,000	3,802	4,292	4,292	5,867	
Cota (m):		12,037	12,007	11,357	11,347		11,351	11,361	12,011	12,042	
E:		709.367,4984	709.365,9935	709.365,9935	709.365,5036	709.361,5186	709.357,7191	709.357,2295	709.357,2295	709.355,6553	
N:		7.089.603,3717	7.089.603,3152	7.089.603,3152	7.089.603,2968	7.089.603,1472	7.089.603,0046	7.089.602,9862	7.089.602,9862	7.089.602,9271	
Station: 60+10											
Dist. Eixo (m):		-5,857	-4,410	-4,410	-3,920	0,000	3,837	4,327	4,327	6,072	
Cota (m):		12,068	12,039	11,389	11,379		11,381	11,391	12,041	12,076	
E:		709.367,7576	709.366,3121	709.366,3121	709.365,8223	709.361,9065	709.358,0736	709.357,5841	709.357,5841	709.355,8405	
N:		7.089.594,5772	7.089.594,5137	7.089.594,5137	7.089.594,4922	7.089.594,3201	7.089.594,1517	7.089.594,1302	7.089.594,1302	7.089.594,0536	
Station: 61+0											
Dist. Eixo (m):		-5,705	-4,346	-4,346	-3,856	0,000	3,875	4,365	4,365	6,210	
Cota (m):		12,084	12,056	11,406	11,397	12,073	11,396	11,406	12,056	12,093	
E:		709.368,0453	709.366,6871	709.366,6871	709.366,1974	709.362,3455	709.358,4737	709.357,9842	709.357,9842	709.356,1413	
N:		7.089.584,5802	7.089.584,5206	7.089.584,5206	7.089.584,4990	7.089.584,3298	7.089.584,1596	7.089.584,1381	7.089.584,1381	7.089.584,0571	
Station: 61+10											
Dist. Eixo (m):		-5,763	-4,302	-4,302	-3,812	0,000	3,914	4,404	4,404	6,236	6,330
Cota (m):		12,018	11,988	11,338	11,329	12,005	11,327	11,336	11,986	12,023	12,009
E:		709.368,5422	709.367,0824	709.367,0824	709.366,5927	709.362,7845	709.358,8738	709.358,3843	709.358,3843	709.356,5549	709.356,4605
N:		7.089.574,5924	7.089.574,5283	7.089.574,5283	7.089.574,5068	7.089.574,3394	7.089.574,1676	7.089.574,1461	7.089.574,1461	7.089.574,0657	7.089.574,0615
Desenho Esquemático:											
PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 62+0											
Dist. Eixo (m):					-4,495	0,000	4,047				
Cota Camada 1 (m)					11,831	11,921	11,840				
Cota Camada 3 (m)					11,751	11,841	11,760				
Cota Camada 6 (m)					11,711	11,801	11,720				
Cota Camada 7 (m)					11,591	11,681	11,600				
Cota (m):					11,441	11,531	11,450				
E:					709.367,7143	709.363,2235	709.359,1799				
N:					7.089.564,5464	7.089.564,3491	7.089.564,1714				
Station: 62+10											
Dist. Eixo (m):					-4,257	0,000	4,285				
Cota Camada 1 (m)					11,749	11,834	11,748				
Cota Camada 3 (m)					11,669	11,754	11,668				
Cota Camada 6 (m)					11,629	11,714	11,628				
Cota Camada 7 (m)					11,509	11,594	11,508				
Cota (m):					11,359	11,444	11,358				
E:					709.367,9155	709.363,6625	709.359,3812				
N:					7.089.554,5456	7.089.554,3587	7.089.554,1706				
Station: 63+0											
Dist. Eixo (m):					-4,019	0,000	4,014				
Cota Camada 1 (m)					11,666	11,747	11,666				
Cota Camada 3 (m)					11,586	11,667	11,586				
Cota Camada 6 (m)					11,546	11,627	11,546				
Cota Camada 7 (m)					11,426	11,507	11,426				
Cota (m):					11,276	11,357	11,276				
E:					709.368,1168	709.364,1014	709.360,0914				
N:					7.089.544,5448	7.089.544,3683	7.089.544,1921				
Station: 63+10											
Dist. Eixo (m):	-6,086	-6,003	-4,401	-4,401	-4,003	0,000	3,997	4,395	4,395	5,997	6,567
Cota Camada 1 (m)					11,579	11,660	11,580				
Cota Camada 3 (m)					11,499	11,580	11,500				
Cota Camada 6 (m)					11,459	11,540	11,460				
Cota Camada 7 (m)					11,339	11,420	11,340				
Cota (m):	11,368	11,309	11,373	11,277	11,189	11,270	11,190	11,182	11,278	11,309	11,390
E:	709.370,4999	709.370,4161	709.368,8150	709.368,8150	709.368,4171	709.364,4163	709.360,4208	709.360,0231	709.360,0231	709.358,4218	709.357,8526
N:	7.089.534,5602	7.089.534,5577	7.089.534,5085	7.089.534,5085	7.089.534,4963	7.089.534,3733	7.089.534,2506	7.089.534,2384	7.089.534,2384	7.089.534,1892	7.089.534,1717

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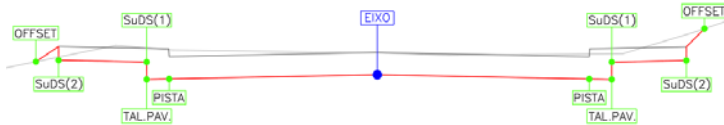
Station: 64+0												
Dist. Eixo (m):		-6,005	-4,403	-4,403	-4,005	0,000	3,995	4,393	4,393	5,995	6,474	
Cota Camada 1 (m)					11,497	11,577	11,497					
Cota Camada 3 (m)					11,417	11,497	11,417					
Cota Camada 6 (m)					11,377	11,457	11,377					
Cota Camada 7 (m)					11,257	11,337	11,257					
Cota (m):		11,227	11,291	11,195	11,107	11,187	11,107	11,099	11,195	11,227	11,368	
E:		709.370,7253	709.369,1242	709.369,1242	709.368,7262	709.364,7234	709.360,7300	709.360,3322	709.360,3322	709.358,7309	709.358,2529	
N:		7.089.524,5624	7.089.524,5133	7.089.524,5133	7.089.524,5010	7.089.524,3781	7.089.524,2554	7.089.524,2432	7.089.524,2432	7.089.524,1940	7.089.524,1793	
Station: 64+10												
Dist. Eixo (m):		-6,007	-4,405	-4,405	-4,007	0,000	3,993	4,391	4,391	5,993	6,421	
Cota Camada 1 (m)					11,444	11,524	11,444					
Cota Camada 3 (m)					11,364	11,444	11,364					
Cota Camada 6 (m)					11,324	11,404	11,324					
Cota Camada 7 (m)					11,204	11,284	11,204					
Cota (m):		11,174	11,238	11,142	11,054	11,134	11,054	11,046	11,142	11,174	11,349	
E:		709.371,0344	709.369,4333	709.369,4333	709.369,0353	709.365,0305	709.361,0391	709.360,6413	709.360,6413	709.359,0401	709.358,6127	
N:		7.089.514,5672	7.089.514,5180	7.089.514,5180	7.089.514,5058	7.089.514,3828	7.089.514,2602	7.089.514,2479	7.089.514,2479	7.089.514,1987	7.089.514,1856	
Station: 65+0												
Dist. Eixo (m):		-6,581	-6,009	-4,407	-4,407	-4,009	0,000	3,991	4,389	4,389	5,991	6,393
Cota Camada 1 (m)					11,419	11,499	11,419					
Cota Camada 3 (m)					11,339	11,419	11,339					
Cota Camada 6 (m)					11,299	11,379	11,299					
Cota Camada 7 (m)					11,179	11,259	11,179					
Cota (m):		11,227	11,148	11,212	11,116	11,109	11,029	11,021	11,117	11,149	11,341	
E:		709.371,9154	709.371,3437	709.369,7425	709.369,7425	709.365,3376	709.361,3483	709.360,9505	709.360,9505	709.359,3492	709.358,9478	
N:		7.089.504,5896	7.089.504,5720	7.089.504,5228	7.089.504,5228	7.089.504,3875	7.089.504,2649	7.089.504,2527	7.089.504,2527	7.089.504,2035	7.089.504,1912	
Station: 65+10												
Dist. Eixo (m):					-4,011	0,000	3,989					
Cota Camada 1 (m)					11,396	11,477	11,397					
Cota Camada 3 (m)					11,316	11,397	11,317					
Cota Camada 6 (m)					11,276	11,357	11,277					
Cota Camada 7 (m)					11,156	11,237	11,157					
Cota (m):					11,006	11,087	11,007					
E:					709.369,6536	709.365,6446	709.361,6574					
N:					7.089.494,5154	7.089.494,3922	7.089.494,2697					
Station: 66+0												
Dist. Eixo (m):					-4,007	0,000	3,993					
Cota Camada 1 (m)					11,374	11,454	11,374					
Cota Camada 3 (m)					11,294	11,374	11,294					
Cota Camada 6 (m)					11,254	11,334	11,254					
Cota Camada 7 (m)					11,134	11,214	11,134					
Cota (m):					10,984	11,064	10,984					
E:					709.369,9572	709.365,9517	709.361,9608					
N:					7.089.484,5200	7.089.484,3969	7.089.484,2743					
Station: 66+10												
Dist. Eixo (m):					-4,003	0,000	3,997					
Cota Camada 1 (m)					11,352	11,432	11,352					
Cota Camada 3 (m)					11,272	11,352	11,272					
Cota Camada 6 (m)					11,232	11,312	11,232					
Cota Camada 7 (m)					11,112	11,192	11,112					
Cota (m):					10,962	11,042	10,962					
E:					709.370,2599	709.366,2588	709.362,2632					
N:					7.089.474,5246	7.089.474,4016	7.089.474,2789					
Station: 66+15												
Dist. Eixo (m):					-4,001	0,000	4,000					
Cota Camada 1 (m)					11,340	11,420	11,340					
Cota Camada 3 (m)					11,260	11,340	11,260					
Cota Camada 6 (m)					11,220	11,300	11,220					
Cota Camada 7 (m)					11,100	11,180	11,100					
Cota (m):					10,950	11,030	10,950					
E:					709.370,4219	709.366,4231	709.362,4251					
N:					7.089.469,1761	7.089.469,0532	7.089.468,9304					
Station: 67+0												
Dist. Eixo (m):		-6,414	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,000	6,617
Cota Camada 1 (m)					11,830	11,910	11,830					
Cota Camada 3 (m)					11,750	11,830	11,750					
Cota Camada 6 (m)					11,710	11,790	11,710					
Cota Camada 7 (m)					11,590	11,670	11,590					
Cota Camada 8 (m)					11,440	11,520	11,440					
Cota (m):		11,244	11,060	11,124	11,028	11,020	10,940	10,932	11,028	11,060	11,109	
E:		709.373,0014	709.372,5879	709.370,9869	709.370,9869	709.366,9516	709.362,9543	709.362,1966	709.362,1966	709.360,5956	709.359,9793	
N:		7.089.464,6397	7.089.464,6247	7.089.464,5666	7.089.464,5666	7.089.464,4072	7.089.464,2622	7.089.464,2478	7.089.464,2478	7.089.464,1897	7.089.464,1674	
Station: 67+10												
Dist. Eixo (m):		-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,000	6,420	
Cota Camada 1 (m)					11,808	11,888	11,808					
Cota Camada 3 (m)					11,728	11,808	11,728					
Cota Camada 6 (m)					11,688	11,768	11,688					
Cota Camada 7 (m)					11,568	11,648	11,568					
Cota Camada 8 (m)					11,418	11,498	11,418					
Cota (m):		11,037	11,101	11,005	10,918	10,998	10,918	10,910	11,006	11,037	11,218	
E:		709.373,3127	709.371,3494	709.371,3494	709.370,9515	709.366,9541	709.362,9567	709.362,5590	709.362,5590	709.361,3205	709.360,9902	
N:		7.089.454,6313	7.089.454,5732	7.089.454,5732	7.089.454,5588	7.089.454,4138	7.089.454,2888	7.089.454,2544	7.089.454,2544	7.089.454,1963	7.089.454,1811	
Station: 68+0												
Dist. Eixo (m):		-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,000	6,331	
Cota Camada 1 (m)					11,785	11,865	11,785					
Cota Camada 3 (m)					11,705	11,785	11,705					
Cota Camada 6 (m)					11,665	11,745	11,665					
Cota Camada 7 (m)					11,545	11,625	11,545					
Cota Camada 8 (m)					11,395	11,475	11,395					
Cota (m):		11,015	11,079	10,983	10,895	10,975	10,895	10,887	10,983	11,015	11,255	
E:		709.373,3127	709.371,7119	709.371,7119	709.371,3140	709.367,3166	709.363,3192	709.362,9215	709.362,9215	709.361,3205	709.360,9902	
N:		7.089.444,6378	7.089.444,5798	7.089.444,5798	7.089.444,5654	7.089.444,4204	7.089.444,2754	7.089.444,2609	7.089.444,2609	7.089.444,2029	7.089.444,1909	

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Station: 68+10											
Dist. Eixo (m):		-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,000	6,356
Cota Camada 1 (m)					11,763	11,843	11,763				
Cota Camada 3 (m)					11,683	11,763	11,683				
Cota Camada 6 (m)					11,643	11,723	11,643				
Cota Camada 7 (m)					11,523	11,603	11,523				
Cota Camada 8 (m)					11,373	11,453	11,373				
Cota (m):		10,993	11,057	10,961	10,873	10,953	10,873	10,865	10,961	10,993	11,216
E:		709.373,6751	709.372,0743	709.372,0743	709.371,6764	709.367,6791	709.363,6817	709.363,2840	709.363,2840	709.361,6830	709.361,3273
N:		7.089.434,6444	7.089.434,5864	7.089.434,5864	7.089.434,5719	7.089.434,4269	7.089.434,2819	7.089.434,2675	7.089.434,2675	7.089.434,2094	7.089.434,1965

Station: 69+0											
Dist. Eixo (m):		-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,000	6,515
Cota Camada 1 (m)					11,741	11,821	11,741				
Cota Camada 3 (m)					11,661	11,741	11,661				
Cota Camada 6 (m)					11,621	11,701	11,621				
Cota Camada 7 (m)					11,501	11,581	11,501				
Cota Camada 8 (m)					11,351	11,431	11,351				
Cota (m):		10,971	11,035	10,939	10,851	10,931	10,851	10,843	10,939	10,971	11,087
E:		709.374,0376	709.372,4368	709.372,4368	709.372,0389	709.368,0415	709.364,0442	709.363,6465	709.363,6465	709.362,0455	709.361,5305
N:		7.089.424,6510	7.089.424,5929	7.089.424,5929	7.089.424,5785	7.089.424,4335	7.089.424,2885	7.089.424,2741	7.089.424,2741	7.089.424,2160	7.089.424,1973

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
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Station: 69+6											
Dist. Eixo (m):					-4,003	0,000	4,003				
Cota Camada 1 (m)					11,726	11,806	11,726				
Cota Camada 3 (m)					11,646	11,726	11,646				
Cota Camada 6 (m)					11,606	11,686	11,606				
Cota Camada 7 (m)					11,486	11,566	11,486				
Cota Camada 8 (m)					11,336	11,416	11,336				
Cota (m):					10,836	10,916	10,836				
E:					709.372,2818	709.368,2815	709.364,2812				
N:					7.089.417,9635	7.089.417,8184	7.089.417,6733				

Station: 69+10											
Dist. Eixo (m):					-4,312	0,000	4,055				
Cota Camada 1 (m)					11,712	11,799	11,718				
Cota Camada 3 (m)					11,632	11,719	11,638				
Cota Camada 6 (m)					11,592	11,679	11,598				
Cota Camada 7 (m)					11,472	11,559	11,478				
Cota Camada 8 (m)					11,322	11,409	11,328				
Cota (m):					10,822	10,909	10,828				
E:					709.372,7390	709.368,4309	709.364,3796				
N:					7.089.414,6318	7.089.414,4412	7.089.414,2619				

Station: 70+0											
Dist. Eixo (m):					-4,159	0,000	4,209				
Cota Camada 1 (m)					11,693	11,776	11,692				
Cota Camada 3 (m)					11,613	11,696	11,612				
Cota Camada 6 (m)					11,573	11,656	11,572				
Cota Camada 7 (m)					11,453	11,536	11,452				
Cota Camada 8 (m)					11,303	11,386	11,302				
Cota (m):					10,803	10,886	10,802				
E:					709.373,0275	709.368,8730	709.364,6681				
N:					7.089.404,6348	7.089.404,4509	7.089.404,2649				

Station: 70+10											
Dist. Eixo (m):					-4,005	0,000	4,321				
Cota Camada 1 (m)					11,674	11,754	11,668				
Cota Camada 3 (m)					11,594	11,674	11,588				
Cota Camada 6 (m)					11,554	11,634	11,548				
Cota Camada 7 (m)					11,434	11,514	11,428				
Cota Camada 8 (m)					11,284	11,364	11,278				
Cota (m):					10,784	10,864	10,778				
E:					709.373,3160	709.369,3150	709.364,9985				
N:					7.089.394,6377	7.089.394,4607	7.089.394,2697				

Station: 71+0											
Dist. Eixo (m):		-6,012	-4,410	-4,410	-4,012	0,000	3,988	4,386	4,386	5,988	
Cota Camada 1 (m)					11,652	11,732	11,652				
Cota Camada 3 (m)					11,572	11,652	11,572				
Cota Camada 6 (m)					11,532	11,612	11,532				
Cota Camada 7 (m)					11,412	11,492	11,412				
Cota Camada 8 (m)					11,262	11,342	11,262				
Cota (m):		10,882	10,946	10,850	10,762	10,842	10,762	10,754	10,850	10,882	
E:		709.375,5335	709.373,9320	709.373,9320	709.373,5339	709.369,5225	709.365,5355	709.365,1376	709.365,1376	709.363,5359	
N:		7.089.384,5821	7.089.384,5504	7.089.384,5504	7.089.384,5425	7.089.384,4630	7.089.384,3839	7.089.384,3761	7.089.384,3761	7.089.384,3443	

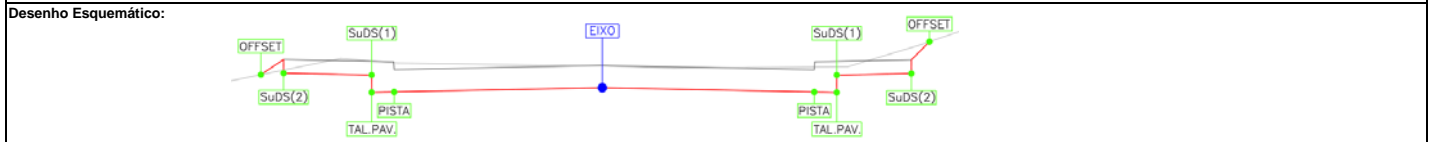
Station: 71+10											
Dist. Eixo (m):		-6,529	-6,009	-4,407	-4,407	-4,009	0,000	3,991	4,389	4,389	5,991
Cota Camada 1 (m)					11,630	11,710	11,630				
Cota Camada 3 (m)					11,550	11,630	11,550				
Cota Camada 6 (m)					11,510	11,590	11,510				
Cota Camada 7 (m)					11,390	11,470	11,390				
Cota Camada 8 (m)					11,240	11,320	11,240				
Cota (m):		10,973	10,859	10,923	10,827	10,820	10,740	10,732	10,828	10,860	
E:		709.376,2483	709.375,7290	709.374,1272	709.374,1272	709.373,7292	709.369,7207	709.365,7307	709.365,3328	709.365,3328	709.363,7311
N:		7.089.374,5943	7.089.374,5840	7.089.374,5523	7.089.374,5523	7.089.374,5444	7.089.374,4649	7.089.374,3858	7.089.374,3780	7.089.374,3780	7.089.374,3462

PREFEITURA MUNICIPAL DE JOINVILLE
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NOTA DE SERVIÇO
RUA MARCOS JOÃO SERAFIM

Station: 72+0											
Dist. Eixo (m):	-6,507	-6,007	-4,404	-4,404	-4,006	0,000	3,994	4,392	4,392	5,994	6,374
Cota Camada 1 (m)					11,607	11,688	11,608				
Cota Camada 3 (m)					11,527	11,608	11,528				
Cota Camada 6 (m)					11,487	11,568	11,488				
Cota Camada 7 (m)					11,367	11,448	11,368				
Cota Camada 8 (m)					11,217	11,298	11,218				
Cota (m):	10,963	10,837	10,901	10,805	10,717	10,798	10,718	10,710	10,806	10,837	10,952
E:	709.376,4248	709.376,9242	709.374,3225	709.374,3225	709.373,9244	709.369,9188	709.365,9259	709.365,5281	709.365,5281	709.363,9263	709.363,5465
N:	7.089.364,5959	7.089.364,5859	7.089.364,5542	7.089.364,5542	7.089.364,5463	7.089.364,4669	7.089.364,3878	7.089.364,3799	7.089.364,3799	7.089.364,3481	7.089.364,3406
Station: 72+10											
Dist. Eixo (m):	-6,461	-6,004	-4,402	-4,402	-4,003	0,000	3,997	4,395	4,395	5,997	6,432
Cota Camada 1 (m)					11,585	11,665	11,585				
Cota Camada 3 (m)					11,505	11,585	11,505				
Cota Camada 6 (m)					11,465	11,545	11,465				
Cota Camada 7 (m)					11,345	11,425	11,345				
Cota Camada 8 (m)					11,195	11,275	11,195				
Cota (m):	10,970	10,815	10,879	10,783	10,695	10,775	10,695	10,687	10,783	10,815	10,985
E:	709.376,5765	709.376,1194	709.374,5177	709.374,5177	709.374,1196	709.370,1170	709.366,1212	709.365,2233	709.365,2233	709.364,1216	709.363,6867
N:	7.089.354,5969	7.089.354,5878	7.089.354,5561	7.089.354,5561	7.089.354,5482	7.089.354,4689	7.089.354,3897	7.089.354,3818	7.089.354,3818	7.089.354,3500	7.089.354,3414
Station: 73+0											
Dist. Eixo (m):	-6,441	-6,001	-4,399	-4,399	-4,000	0,000	4,000	4,398	4,398	6,000	6,385
Cota Camada 1 (m)					11,563	11,643	11,563				
Cota Camada 3 (m)					11,483	11,563	11,483				
Cota Camada 6 (m)					11,443	11,523	11,443				
Cota Camada 7 (m)					11,323	11,403	11,323				
Cota Camada 8 (m)					11,173	11,253	11,173				
Cota (m):	10,959	10,793	10,857	10,761	10,673	10,753	10,673	10,665	10,761	10,793	10,996
E:	709.376,7546	709.376,3146	709.374,7129	709.374,7129	709.374,3148	709.370,3152	709.366,3164	709.365,9185	709.365,9185	709.364,3168	709.363,9316
N:	7.089.344,5985	7.089.344,5897	7.089.344,5580	7.089.344,5580	7.089.344,5501	7.089.344,4708	7.089.344,3916	7.089.344,3837	7.089.344,3837	7.089.344,3519	7.089.344,3443
Station: 73+3											
Dist. Eixo (m):					-4,000	0,000	4,001				
Cota Camada 1 (m)					11,555	11,635	11,555				
Cota Camada 3 (m)					11,475	11,555	11,475				
Cota Camada 6 (m)					11,435	11,515	11,435				
Cota Camada 7 (m)					11,315	11,395	11,315				
Cota Camada 8 (m)					11,165	11,245	11,165				
Cota (m):					10,665	10,745	10,665				
E:					709.374,3843	709.370,3830	709.366,3832				
N:					7.089.341,1303	7.089.341,0509	7.089.340,9717				
Station: 73+10											
Dist. Eixo (m):					-4,467	0,000	4,179				
Cota Camada 1 (m)					11,531	11,621	11,537				
Cota Camada 3 (m)					11,451	11,541	11,457				
Cota Camada 6 (m)					11,411	11,501	11,417				
Cota Camada 7 (m)					11,291	11,381	11,297				
Cota Camada 8 (m)					11,141	11,231	11,147				
Cota (m):					10,641	10,731	10,647				
E:					709.375,2061	709.370,7455	709.366,5728				
N:					7.089.334,7277	7.089.334,4815	7.089.334,2512				
Station: 74+0											
Dist. Eixo (m):					-4,200	0,000	4,447				
Cota Camada 1 (m)					11,515	11,599	11,510				
Cota Camada 3 (m)					11,435	11,519	11,430				
Cota Camada 6 (m)					11,395	11,479	11,390				
Cota Camada 7 (m)					11,275	11,359	11,270				
Cota Camada 8 (m)					11,125	11,209	11,120				
Cota (m):					10,625	10,709	10,620				
E:					709.375,4904	709.371,2966	709.366,8560				
N:					7.089.324,7282	7.089.324,4967	7.089.324,2516				
Station: 74+7											
Dist. Eixo (m):					-4,004	0,000	3,985				
Cota Camada 1 (m)					11,502	11,582	11,503				
Cota Camada 3 (m)					11,422	11,502	11,423				
Cota Camada 6 (m)					11,382	11,462	11,383				
Cota Camada 7 (m)					11,262	11,342	11,263				
Cota Camada 8 (m)					11,112	11,192	11,113				
Cota (m):					10,612	10,692	10,613				
E:					709.375,6989	709.371,7007	709.367,7208				
N:					7.089.317,3958	7.089.317,1751	7.089.316,9554				
Station: 74+10											
Dist. Eixo (m):	-6,290	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,999	6,147
Cota Camada 1 (m)					11,496	11,576	11,496				
Cota Camada 3 (m)					11,416	11,496	11,416				
Cota Camada 6 (m)					11,376	11,456	11,376				
Cota Camada 7 (m)					11,256	11,336	11,256				
Cota Camada 8 (m)					11,106	11,186	11,106				
Cota (m):	10,992	10,726	10,790	10,694	10,606	10,686	10,606	10,598	10,694	10,726	11,088
E:	709.378,0819	709.377,7917	709.376,1907	709.376,1907	709.375,7928	709.371,7954	709.367,7978	709.367,4001	709.367,4001	709.365,8000	709.365,6524
N:	7.089.314,7327	7.089.314,7224	7.089.314,6656	7.089.314,6656	7.089.314,6515	7.089.314,5095	7.089.314,3676	7.089.314,3534	7.089.314,3534	7.089.314,2966	7.089.314,2914
Station: 75+0											
Dist. Eixo (m):	-6,215	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,990	
Cota Camada 1 (m)					11,474	11,554	11,474				
Cota Camada 3 (m)					11,394	11,474	11,394				
Cota Camada 6 (m)					11,354	11,434	11,354				
Cota Camada 7 (m)					11,234	11,314	11,234				
Cota Camada 8 (m)					11,084	11,164	11,084				
Cota (m):	11,021	10,704	10,768	10,672	10,584	10,664	10,584	10,576	10,672	10,704	
E:	709.378,3609	709.378,1466	709.376,5456	709.376,5456	709.376,1476	709.372,1502	709.368,1527	709.367,7550	709.367,7550	709.366,1643	
N:	7.089.304,7364	7.089.304,7287	7.089.304,6719	7.089.304,6719	7.089.304,6578	7.089.304,5158	7.089.304,3739	7.089.304,3597	7.089.304,3597	7.089.304,3032	

PREFEITURA MUNICIPAL DE JOINVILLE
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NOTA DE SERVIÇO
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Station: 75+10											
Dist. Eixo (m):	-6,091	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,986	
Cota Camada 1 (m)					11,452	11,532	11,452				
Cota Camada 3 (m)					11,372	11,452	11,372				
Cota Camada 6 (m)					11,332	11,412	11,332				
Cota Camada 7 (m)					11,212	11,292	11,212				
Cota Camada 8 (m)					11,062	11,142	11,062				
Cota (m):	11,081	10,682	10,746	10,650	10,562	10,642	10,562	10,554	10,650	10,681	
E:	709.378,5927	709.378,5015	709.376,9004	709.376,9004	709.376,5025	709.372,5051	709.368,5076	709.368,1099	709.368,1099	709.366,5229	
N:	7.089.294,7383	7.089.294,7350	7.089.294,6782	7.089.294,6782	7.089.294,6641	7.089.294,5221	7.089.294,3802	7.089.294,3660	7.089.294,3660	7.089.294,3097	



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
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Station: 76+0											
Dist. Eixo (m):	-6,028	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,982	
Cota Camada 1 (m)					11,430	11,510	11,430				
Cota Camada 3 (m)					11,350	11,430	11,350				
Cota Camada 6 (m)					11,310	11,390	11,310				
Cota Camada 7 (m)					11,190	11,270	11,190				
Cota Camada 8 (m)					11,040	11,120	11,040				
Cota (m):	11,101	10,659	10,723	10,627	10,540	10,620	10,540	10,532	10,628	10,659	
E:	709.378,8838	709.378,8564	709.377,2553	709.377,2553	709.376,8574	709.372,8600	709.368,8625	709.368,4648	709.368,4648	709.366,8814	
N:	7.089.284,7423	7.089.284,7413	7.089.284,6845	7.089.284,6845	7.089.284,6704	7.089.284,5284	7.089.284,3865	7.089.284,3723	7.089.284,3723	7.089.284,3161	

Station: 76+10											
Dist. Eixo (m):	-6,063	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,979	
Cota Camada 1 (m)					11,409	11,489	11,409				
Cota Camada 3 (m)					11,329	11,409	11,329				
Cota Camada 6 (m)					11,289	11,369	11,289				
Cota Camada 7 (m)					11,169	11,249	11,169				
Cota Camada 8 (m)					11,019	11,099	11,019				
Cota (m):	11,057	10,639	10,703	10,607	10,519	10,599	10,519	10,511	10,607	10,639	
E:	709.379,2737	709.379,2113	709.377,6102	709.377,6102	709.377,2123	709.373,2149	709.369,2174	709.368,8196	709.368,8196	709.367,2399	
N:	7.089.274,7499	7.089.274,7476	7.089.274,6908	7.089.274,6908	7.089.274,6767	7.089.274,5347	7.089.274,3928	7.089.274,3786	7.089.274,3786	7.089.274,3225	

Station: 77+0											
Dist. Eixo (m):	-6,140	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,975	
Cota Camada 1 (m)					11,456	11,536	11,456				
Cota Camada 3 (m)					11,376	11,456	11,376				
Cota Camada 6 (m)					11,336	11,416	11,336				
Cota Camada 7 (m)					11,216	11,296	11,216				
Cota Camada 8 (m)					11,066	11,146	11,066				
Cota (m):	11,052	10,685	10,749	10,653	10,566	10,646	10,566	10,558	10,654	10,685	
E:	709.379,7059	709.379,5661	709.377,9651	709.377,9651	709.377,5672	709.373,5698	709.369,5722	709.369,1745	709.369,1745	709.367,5985	
N:	7.089.264,7589	7.089.264,7539	7.089.264,6971	7.089.264,6971	7.089.264,6830	7.089.264,5410	7.089.264,3991	7.089.264,3849	7.089.264,3849	7.089.264,3290	

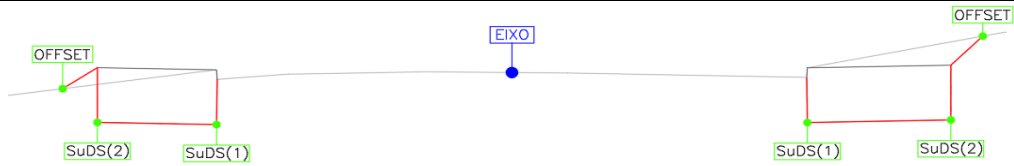
Station: 77+10											
Dist. Eixo (m):	-6,254	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,971	
Cota Camada 1 (m)					11,601	11,681	11,601				
Cota Camada 3 (m)					11,521	11,601	11,521				
Cota Camada 6 (m)					11,481	11,561	11,481				
Cota Camada 7 (m)					11,361	11,441	11,361				
Cota Camada 8 (m)					11,211	11,291	11,211				
Cota (m):	11,121	10,830	10,894	10,798	10,711	10,791	10,711	10,703	10,799	10,830	
E:	709.380,1744	709.379,9210	709.378,3200	709.378,3200	709.377,9221	709.373,9246	709.369,9271	709.369,5294	709.369,5294	709.367,9570	
N:	7.089.254,7692	7.089.254,7602	7.089.254,7034	7.089.254,7034	7.089.254,6893	7.089.254,5473	7.089.254,4054	7.089.254,3912	7.089.254,3912	7.089.254,3354	

Station: 78+0											
Dist. Eixo (m):	-6,498	-6,000	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,970	6,509
Cota Camada 1 (m)					11,779	11,859	11,779				
Cota Camada 3 (m)					11,699	11,779	11,699				
Cota Camada 6 (m)					11,659	11,739	11,659				
Cota Camada 7 (m)					11,539	11,619	11,539				
Cota Camada 8 (m)					11,389	11,469	11,389				
Cota (m):	11,137	11,009	11,073	10,977	10,889	10,969	10,889	10,881	10,977	11,008	11,108
E:	709.380,7734	709.380,2759	709.378,6749	709.378,6749	709.378,2770	709.374,2795	709.370,2820	709.369,8843	709.369,8843	709.368,3135	709.367,7742
N:	7.089.244,7842	7.089.244,7665	7.089.244,7097	7.089.244,7097	7.089.244,6956	7.089.244,5536	7.089.244,4117	7.089.244,3975	7.089.244,3975	7.089.244,3418	7.089.244,3226

Station: 78+10											
Dist. Eixo (m):					-5,000	0,000	7,000				
Cota Camada 1 (m)					11,937	12,037	11,897				
Cota Camada 3 (m)					11,857	11,957	11,817				
Cota Camada 6 (m)					11,817	11,917	11,777				
Cota Camada 7 (m)					11,697	11,797	11,657				
Cota Camada 8 (m)					11,547	11,647	11,507				
Cota (m):					11,047	11,147	11,007				
E:					709.379,6312	709.374,6344	709.367,6388				
N:					7.089.234,7373	7.089.234,5599	7.089.234,3115				

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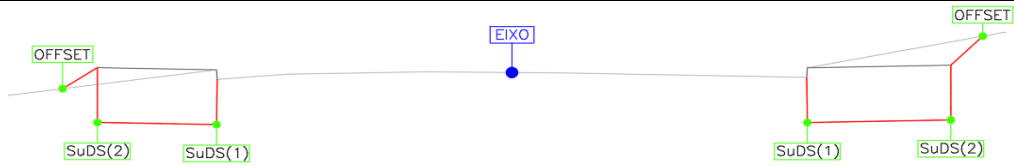
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0							
Dist. Eixo (m):			-5,010	0,000	5,010		
Cota (m):			14,807	15,617	14,807		
E:			708.900,0783	708.895,0733	708.890,0682		
N:			7.090.462,1165	7.090.461,8947	7.090.461,6730		
Station: 0+10							
Dist. Eixo (m):		-6,597	-5,010	0,000	3,576	5,448	
Cota (m):		14,570	14,538	15,348	14,567	14,605	
E:		708.902,1069	708.900,5209	708.895,5159	708.891,9434	708.890,0728	
N:		7.090.452,1965	7.090.452,1263	7.090.451,9045	7.090.451,7462	7.090.451,6634	
Station: 1+0							
Dist. Eixo (m):		-6,656	-5,010	0,000	3,499	5,460	
Cota (m):		14,521	14,488	15,298	14,518	14,557	
E:		708.902,6083	708.900,9635	708.895,9585	708.892,4625	708.890,5041	
N:		7.090.442,2089	7.090.442,1361	7.090.441,9143	7.090.441,7594	7.090.441,6727	
Station: 1+5							
Dist. Eixo (m):		-6,685	-5,010	0,000	3,460	5,466	
Cota (m):		14,496	14,462	15,272	14,493	14,533	
E:		708.902,8651	708.901,1918	708.896,1868	708.892,7303	708.890,7265	
N:		7.090.437,0572	7.090.436,9831	7.090.436,7613	7.090.436,6082	7.090.436,5194	
Station: 1+10							
Dist. Eixo (m):		-6,711	-5,010	0,000	3,424	5,472	
Cota (m):		14,475	14,441	15,251	14,472	14,513	
E:		708.903,1061	708.901,4071	708.896,4021	708.892,9816	708.890,9354	
N:		7.090.432,2226	7.090.432,1470	7.090.431,9242	7.090.431,7719	7.090.431,6808	
Station: 2+0							
Dist. Eixo (m):		-6,671	-4,218	0,000	3,382	5,500	
Cota (m):		14,490	14,441	15,235	14,458	14,500	
E:		708.903,5112	708.901,0611	708.896,8469	708.893,4682	708.891,3524	
N:		7.090.422,2308	7.090.422,1217	7.090.421,9340	7.090.421,7836	7.090.421,6894	
Station: 2+10							
Dist. Eixo (m):		-6,553	-4,169	0,000	3,363	5,822	
Cota (m):		14,474	14,427	15,220	14,443	14,492	
E:		708.903,8380	708.901,4569	708.897,2916	708.893,9318	708.891,4750	
N:		7.090.412,2354	7.090.412,1294	7.090.411,9439	7.090.411,7944	7.090.411,6850	
Station: 3+0							
Dist. Eixo (m):		-6,488	-4,120	0,000	3,344	5,566	
Cota (m):		14,476	14,428	15,220	14,444	14,488	
E:		708.904,2184	708.901,8527	708.897,7364	708.894,3955	708.892,1757	
N:		7.090.402,2424	7.090.402,1371	7.090.401,9538	7.090.401,8051	7.090.401,7063	
Station: 3+10							
Dist. Eixo (m):		-6,435	-4,071	0,000	3,325	5,519	
Cota (m):		14,455	14,408	15,199	14,423	14,467	
E:		708.904,6101	708.902,2485	708.898,1812	708.894,8591	708.892,6680	
N:		7.090.392,2500	7.090.392,1448	7.090.391,9637	7.090.391,8158	7.090.391,7183	
Station: 4+0							
Dist. Eixo (m):		-6,403	-4,067	0,000	3,307	5,570	
Cota (m):		14,462	14,415	15,206	14,430	14,475	
E:		708.905,0227	708.902,6889	708.898,6259	708.895,3227	708.893,0613	
N:		7.090.382,2584	7.090.382,1545	7.090.381,9736	7.090.381,8266	7.090.381,7259	
Station: 4+10							
Dist. Eixo (m):		-6,383	-4,065	0,000	3,288	5,652	
Cota (m):		14,439	14,392	15,183	14,408	14,455	
E:		708.905,4476	708.903,1316	708.899,0707	708.895,7863	708.893,4241	
N:		7.090.372,2674	7.090.372,1643	7.090.371,9835	7.090.371,8373	7.090.371,7321	

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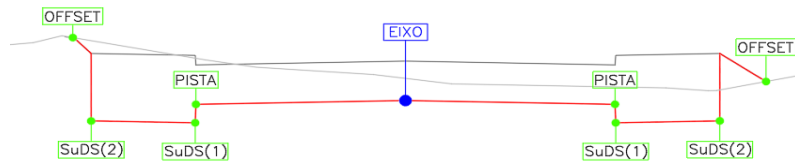
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Station: 5+0							
Dist. Eixo (m):		-6,341	-4,063	0,000	3,279	5,744	
Cota (m):		14,380	14,334	15,125	14,350	14,399	
E:		708.905,8504	708.903,5740	708.899,5155	708.896,2393	708.893,7771	
N:		7.090.362,2755	7.090.362,1741	7.090.361,9934	7.090.361,8476	7.090.361,7379	
Station: 5+10							
Dist. Eixo (m):		-6,358	-4,040	0,000	3,381	5,732	
Cota (m):		14,328	14,281	15,072	14,294	14,341	
E:		708.906,3114	708.903,9967	708.899,9602	708.896,5822	708.894,2337	
N:		7.090.352,2861	7.090.352,1830	7.090.352,0033	7.090.351,8529	7.090.351,7484	
Station: 6+0							
Dist. Eixo (m):		-6,370	-4,018	0,000	3,483	5,720	
Cota (m):		14,370	14,323	15,113	14,334	14,378	
E:		708.906,7689	708.904,4194	708.900,4050	708.896,9252	708.894,6904	
N:		7.090.342,2965	7.090.342,1919	7.090.342,0132	7.090.341,8583	7.090.341,7588	
Station: 6+10							
Dist. Eixo (m):		-6,383	-3,996	0,000	3,600	5,708	
Cota (m):		14,424	14,376	15,166	14,384	14,427	
E:		708.907,2264	708.904,8421	708.900,8498	708.897,2530	708.895,1470	
N:		7.090.332,3070	7.090.332,2009	7.090.332,0231	7.090.331,8630	7.090.331,7692	
Station: 6+15							
Dist. Eixo (m):		-6,631	-4,042	0,000	3,708	5,704	
Cota (m):		14,463	14,411	15,202	14,418	14,458	
E:		708.907,7309	708.905,1440	708.901,1060	708.897,4015	708.895,4076	
N:		7.090.326,5621	7.090.326,4470	7.090.326,2672	7.090.326,1023	7.090.326,0135	

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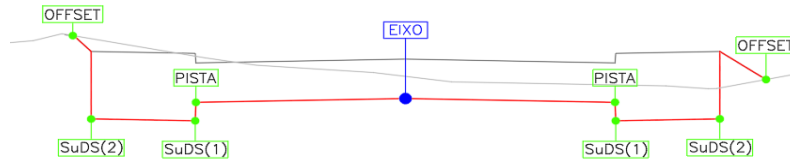
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0									
Dist. Eixo (m):		-6,259	-4,010	-4,000	0,000	4,000	4,010	6,151	
Cota Camada 1 (m)				14,572	14,652	14,572			
Cota Camada 3 (m)				14,492	14,572	14,492			
Cota Camada 6 (m)				14,452	14,532	14,452			
Cota Camada 7 (m)				14,302	14,382	14,302			
Cota (m):		14,107	14,062	14,102	14,182	14,102	14,062	14,105	
E:		708.573,9599	708.574,0403	708.574,0406	708.574,1837	708.574,3268	708.574,3272	708.574,4037	
N:		7.090.612,5054	7.090.610,2579	7.090.610,2480	7.090.606,2505	7.090.602,2530	7.090.602,2430	7.090.600,1037	
Station: 0+10									
Dist. Eixo (m):		-6,225	-4,037	-4,027	0,000	3,973	3,983	6,123	
Cota Camada 1 (m)				14,516	14,597	14,517			
Cota Camada 3 (m)				14,436	14,517	14,437			
Cota Camada 6 (m)				14,396	14,477	14,397			
Cota Camada 7 (m)				14,246	14,327	14,247			
Cota (m):		14,050	14,006	14,046	14,127	14,047	14,007	14,050	
E:		708.583,9547	708.584,0329	708.584,0333	708.584,1773	708.584,3194	708.584,3198	708.584,3963	
N:		7.090.612,8292	7.090.610,6428	7.090.610,6328	7.090.606,6082	7.090.602,6379	7.090.602,6279	7.090.600,4890	
Station: 1+0									
Dist. Eixo (m):		-6,883	-4,844	-4,834	0,000	4,686	4,696	7,112	
Cota Camada 1 (m)				14,487	14,541	14,481			
Cota Camada 3 (m)				14,407	14,461	14,401			
Cota Camada 6 (m)				14,367	14,421	14,361			
Cota Camada 7 (m)				14,217	14,271	14,211			
Cota (m):		14,018	13,977	14,017	14,071	14,011	13,971	14,019	
E:		708.593,9247	708.593,9976	708.593,9980	708.594,1709	708.594,3385	708.594,3389	708.594,4253	
N:		7.090.613,8448	7.090.611,8072	7.090.611,7972	7.090.606,9658	7.090.602,2832	7.090.602,2732	7.090.599,8581	
Station: 1+4									
Dist. Eixo (m):				-11,821	0,000	10,531	10,541	11,881	
Cota Camada 1 (m)				14,505	14,516	14,481			
Cota Camada 3 (m)				14,425	14,436	14,401			
Cota Camada 6 (m)				14,385	14,396	14,361			
Cota Camada 7 (m)				14,235	14,246	14,211			
Cota (m):				14,035	14,046	14,011	13,971	13,998	
E:				708.598,2768	708.598,6997	708.599,0763	708.599,0767	708.599,1246	
N:				7.090.618,9414	7.090.607,1279	7.090.596,6034	7.090.596,5934	7.090.595,2541	
Station: 1+12									
Dist. Eixo (m):		-11,893	-9,995	-9,985	0,000	11,803			
Cota Camada 1 (m)				14,504	14,514	14,574			
Cota Camada 3 (m)				14,424	14,434	14,494			
Cota Camada 6 (m)				14,384	14,394	14,454			
Cota Camada 7 (m)				14,234	14,244	14,304			
Cota (m):		14,032	13,994	14,034	14,044	14,104			
E:		708.606,3997	708.606,4676	708.606,4680	708.606,8251	708.607,2473			
N:		7.090.619,3043	7.090.617,4075	7.090.617,3975	7.090.607,4187	7.090.595,6234			
Station: 2+0									
Dist. Eixo (m):		-6,352	-3,944	-3,934	0,000	4,104	4,114	6,570	
Cota Camada 1 (m)				14,502	14,577	14,505			
Cota Camada 3 (m)				14,422	14,497	14,425			
Cota Camada 6 (m)				14,382	14,457	14,385			
Cota Camada 7 (m)				14,232	14,307	14,235			
Cota (m):		14,040	13,992	14,032	14,107	14,035	13,995	14,044	
E:		708.613,9309	708.614,0171	708.614,0174	708.614,1581	708.614,3049	708.614,3053	708.614,3931	
N:		7.090.614,0290	7.090.611,6228	7.090.611,6128	7.090.607,6812	7.090.603,5794	7.090.603,5694	7.090.601,1150	
Station: 2+10									
Dist. Eixo (m):		-6,293	-3,925	-3,915	0,000	4,085	4,095	6,273	
Cota Camada 1 (m)				14,584	14,662	14,580			
Cota Camada 3 (m)				14,504	14,582	14,500			
Cota Camada 6 (m)				14,464	14,542	14,460			
Cota Camada 7 (m)				14,314	14,392	14,310			
Cota (m):		14,121	14,074	14,114	14,192	14,110	14,070	14,114	
E:		708.623,9267	708.624,0113	708.624,0117	708.624,1517	708.624,2978	708.624,2982	708.624,3761	
N:		7.090.614,3274	7.090.611,9611	7.090.611,9511	7.090.608,0389	7.090.603,9563	7.090.603,9463	7.090.601,7703	
Station: 3+0									
Dist. Eixo (m):		-6,280	-4,056		0,000		4,069	6,046	
Cota (m):		14,183	14,139				14,139	14,178	
E:		708.633,9207	708.634,0002		708.634,1453		708.634,2909	708.634,3616	
N:		7.090.614,6728	7.090.612,4502		7.090.608,3965		7.090.604,3300	7.090.602,3546	

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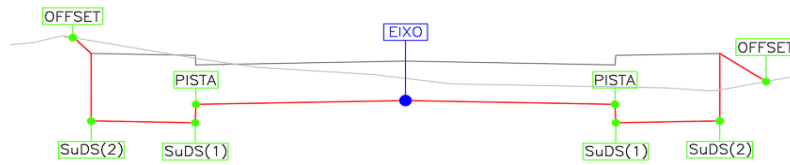
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 3+10									
Dist. Eixo (m):		-6,369	-4,096		0,000		3,992	5,931	
Cota (m):		14,210	14,164				14,166	14,205	
E:		708.643,9111	708.643,9924		708.644,1389		708.644,2817	708.644,3511	
N:		7.090.615,1190	7.090.612,8473		7.090.608,7542		7.090.604,7651	7.090.602,8274	
Station: 4+0									
Dist. Eixo (m):		-6,403	-4,135		0,000		3,914	5,815	
Cota (m):		14,280	14,234				14,239	14,277	
E:		708.653,9035	708.653,9846		708.654,1325		708.654,2725	708.654,3405	
N:		7.090.615,5113	7.090.613,2444		7.090.609,1119		7.090.605,2001	7.090.603,3003	
Station: 4+10									
Dist. Eixo (m):		-6,546	-4,208		0,000		3,837	5,700	
Cota (m):		14,329	14,283				14,290	14,327	
E:		708.663,8920	708.663,9756		708.664,1261		708.664,2634	708.664,3300	
N:		7.090.616,0115	7.090.613,6750		7.090.609,4696		7.090.605,6352	7.090.603,7731	
Station: 5+10									
Dist. Eixo (m):		-6,556	-4,148		0,000		3,960	6,289	
Cota (m):		14,419	14,371				14,374	14,421	
E:		708.683,8788	708.683,9650		708.684,1133		708.684,2550	708.684,3383	
N:		7.090.616,7369	7.090.614,3298		7.090.610,1849		7.090.606,2271	7.090.603,8996	
Station: 6+0									
Dist. Eixo (m):		-6,390	-4,089		0,000		4,028	6,025	
Cota (m):		14,516	14,470				14,471	14,511	
E:		708.693,8784	708.693,9607		708.694,1069		708.694,2510	708.694,3224	
N:		7.090.616,9281	7.090.614,6289		7.090.610,5426		7.090.606,5171	7.090.604,5217	
Station: 6+10									
Dist. Eixo (m):		-6,301	-4,053		0,000		4,064	6,070	
Cota (m):		14,603	14,558				14,558	14,598	
E:		708.703,8752	708.703,9556		708.704,1005		708.704,2459	708.704,3177	
N:		7.090.617,1969	7.090.614,9511		7.090.610,9003		7.090.606,8387	7.090.604,8339	
Station: 7+0									
Dist. Eixo (m):		-6,212	-4,018		0,000		4,100	6,119	
Cota (m):		14,756	14,712				14,710	14,750	
E:		708.713,8720	708.713,9504		708.714,0941		708.714,2408	708.714,3130	
N:		7.090.617,4657	7.090.615,2734		7.090.611,2580		7.090.607,1603	7.090.605,1430	
Station: 7+10									
Dist. Eixo (m):		-6,123	-3,983		0,000		4,136	6,154	
Cota (m):		14,936	14,893				14,890	14,931	
E:		708.723,8687	708.723,9453		708.724,0877		708.724,2357	708.724,3079	
N:		7.090.617,7345	7.090.615,5956		7.090.611,6157		7.090.607,4819	7.090.605,4651	
Station: 8+0									
Dist. Eixo (m):		-5,983	-3,947		0,000		4,172	6,134	
Cota (m):		15,230	15,189				15,185	15,224	
E:		708.733,8673	708.733,9402		708.734,0813		708.734,2306	708.734,3008	
N:		7.090.617,9525	7.090.615,9176		7.090.611,9733		7.090.607,8035	7.090.605,8429	
Station: 9+10									
Dist. Eixo (m):		-5,984	-4,197		0,000		3,970	6,004	
Cota (m):		16,004	15,968				15,973	16,014	
E:		708.763,8481	708.763,9120		708.764,0621		708.764,2041	708.764,2769	
N:		7.090.619,0262	7.090.617,2402		7.090.613,0464		7.090.609,0794	7.090.607,0466	
Station: 10+0									
Dist. Eixo (m):		-6,015	-4,155		0,000		3,998	5,999	
Cota (m):		16,162	16,125				16,128	16,168	
E:		708.773,8406	708.773,9071		708.774,0557		708.774,1988	708.774,2703	
N:		7.090.619,4153	7.090.617,5568		7.090.613,4041		7.090.609,4081	7.090.607,4089	
Station: 10+10									
Dist. Eixo (m):		-6,002	-4,081		0,000		4,011	5,957	
Cota (m):		16,202	16,163				16,165	16,204	
E:		708.783,8347	708.783,9034		708.784,0493		708.784,1928	708.784,2624	
N:		7.090.619,7604	7.090.617,8404		7.090.613,7617		7.090.609,7530	7.090.607,8081	
Station: 11+0									
Dist. Eixo (m):		-5,956	-4,054		0,000		4,000	5,961	
Cota (m):		16,236	16,198				16,199	16,238	
E:		708.793,8299	708.793,8980		708.794,0429		708.794,1860	708.794,2562	
N:		7.090.620,0714	7.090.618,1703		7.090.614,1194		7.090.610,1218	7.090.608,1620	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA MIRKO MAYERLE

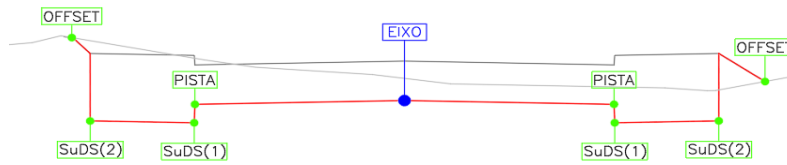
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 11+10									
Dist. Eixo (m):		-6,075	-4,034		0,000		3,989	6,092	
Cota (m):		16,260	16,219				16,220	16,262	
E:		708.803,8193	708.803,8923		708.804,0366		708.804,1792	708.804,2544	
N:		7.090.620,5481	7.090.618,5081		7.090.614,4771		7.090.610,4907	7.090.608,3890	
Station: 12+0									
Dist. Eixo (m):		-11,191	-7,031		0,000		7,976	11,406	
Cota (m):		16,273	16,190				16,171	16,239	
E:		708.813,6299	708.813,7787		708.814,0302		708.814,3154	708.814,4381	
N:		7.090.626,0182	7.090.621,8608		7.090.614,8348		7.090.606,8642	7.090.603,4364	
Station: 12+10									
Dist. Eixo (m):		-11,370	-6,978		0,000		7,224	11,490	
Cota (m):		16,285	16,197				16,192	16,277	
E:		708.823,6171	708.823,7742		708.824,0238		708.824,2821	708.824,4347	
N:		7.090.626,5556	7.090.622,1661		7.090.615,1925		7.090.607,9732	7.090.603,7094	
Station: 13+0									
Dist. Eixo (m):		-6,187	-4,374		0,000		3,915	5,759	
Cota (m):		16,377	16,340				16,350	16,386	
E:		708.833,7961	708.833,8609		708.834,0174		708.834,1574	708.834,2233	
N:		7.090.621,7327	7.090.619,9209		7.090.615,5501		7.090.611,6372	7.090.609,7947	
Station: 13+10									
Dist. Eixo (m):		-6,147	-4,196		0,000		3,907	5,814	
Cota (m):		16,460	16,421				16,426	16,465	
E:		708.843,7911	708.843,8609		708.844,0110		708.844,1507	708.844,2189	
N:		7.090.622,0510	7.090.620,1015		7.090.615,9078		7.090.612,0033	7.090.610,0974	
Station: 14+0									
Dist. Eixo (m):		-6,107	-4,225		0,000		3,924	5,928	
Cota (m):		16,583	16,546				16,552	16,592	
E:		708.853,7861	708.853,8534		708.854,0046		708.854,1449	708.854,2166	
N:		7.090.622,3684	7.090.620,4874		7.090.616,2655		7.090.612,3444	7.090.610,3417	
Station: 14+10									
Dist. Eixo (m):		-6,067	-4,253		0,000		3,956	6,016	
Cota (m):		16,707	16,670				16,676	16,718	
E:		708.863,7812	708.863,8460		708.863,9982		708.864,1397	708.864,2133	
N:		7.090.622,6859	7.090.620,8734		7.090.616,6232		7.090.612,6698	7.090.610,6109	
Station: 15+0									
Dist. Eixo (m):		-6,026	-4,281		0,000		3,988	6,144	
Cota (m):		16,915	16,880				16,886	16,929	
E:		708.873,7762	708.873,8386		708.873,9918		708.874,1344	708.874,2115	
N:		7.090.623,0034	7.090.621,2593		7.090.616,9809		7.090.612,9952	7.090.610,8407	
Station: 15+6									
Dist. Eixo (m):		-5,883	-4,343		0,000		4,010	9,380	
Cota (m):		17,055	17,024				17,031	17,138	
E:		708.880,5330	708.880,5881		708.880,7434		708.880,8869	708.881,0790	
N:		7.090.623,1014	7.090.621,5625		7.090.617,2225		7.090.613,2151	7.090.607,8479	
Station: 15+10									
Dist. Eixo (m):					0,000		6,513	12,098	
Cota (m):							17,062	17,173	
E:					708.883,9858		708.884,1920	708.884,3688	
N:					7.090.617,3252		7.090.610,8158	7.090.605,2329	
Station: 15+18									
Dist. Eixo (m):		-11,956	-9,842	-9,832	0,000	11,768	11,778	12,309	
Cota Camada 1 (m)				18,243	17,806	17,605			
Cota Camada 3 (m)				18,163	17,726	17,525			
Cota Camada 6 (m)				18,123	17,686	17,485			
Cota Camada 7 (m)				18,003	17,566	17,365			
Cota (m):		17,775	17,733	17,853	17,416	17,215	17,095	17,105	
E:		708.891,9053	708.891,9723	708.891,9726	708.892,2838	708.892,6564	708.892,6567	708.892,6735	
N:		7.090.629,5384	7.090.627,4246	7.090.627,4146	7.090.617,5880	7.090.605,8259	7.090.605,8160	7.090.605,2854	
Station: 16+0									
Dist. Eixo (m):		-12,029	-6,801	-6,791	0,000	6,953	6,963	12,259	
Cota Camada 1 (m)				18,174	17,877	17,795			
Cota Camada 3 (m)				18,094	17,797	17,715			
Cota Camada 6 (m)				18,054	17,757	17,675			
Cota Camada 7 (m)				17,934	17,637	17,555			
Cota (m):		17,769	17,664	17,784	17,487	17,405	17,285	17,391	

PREFEITURA MUNICIPAL DE JOINVILLE
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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
E:		708.893,6000	708.893,7655	708.893,7658	708.893,9808	708.894,2009	708.894,2012	708.894,3689	
N:		7.090.629,6648	7.090.624,4395	7.090.624,4296	7.090.617,6417	7.090.610,6921	7.090.610,6822	7.090.605,3889	

Station: 16+10

Dist. Eixo (m):		-5,979	-4,126	-4,116	0,000	3,884	3,894	5,866	
Cota Camada 1 (m)				18,212	18,294	18,216			
Cota Camada 3 (m)				18,132	18,214	18,136			
Cota Camada 6 (m)				18,092	18,174	18,096			
Cota Camada 7 (m)				17,972	18,054	17,976			
Cota (m):		17,739	17,702	17,822	17,904	17,826	17,706	17,746	
E:		708.903,7865	708.903,8452	708.903,8455	708.903,9758	708.904,0987	708.904,0991	708.904,1615	
N:		7.090.623,9340	7.090.622,0822	7.090.622,0722	7.090.617,9583	7.090.614,0762	7.090.614,0662	7.090.612,0955	

Station: 16+14

Dist. Eixo (m):		-6,003	-4,123	-4,113	0,000	3,887	3,897	5,868	
Cota Camada 1 (m)				18,397	18,479	18,401			
Cota Camada 3 (m)				18,317	18,399	18,321			
Cota Camada 6 (m)				18,277	18,359	18,281			
Cota Camada 7 (m)				18,157	18,239	18,161			
Cota (m):		17,924	17,887	18,007	18,089	18,011	17,891	17,931	
E:		708.908,2177	708.908,2772	708.908,2775	708.908,4077	708.908,5307	708.908,5311	708.908,5935	
N:		7.090.624,0992	7.090.622,2200	7.090.622,2100	7.090.618,0987	7.090.614,2140	7.090.614,2040	7.090.612,2336	

Station: 17+0

Dist. Eixo (m):		-5,992	-4,077	-4,067	0,000	3,933	3,943	5,914	
Cota Camada 1 (m)				18,630	18,711	18,633			
Cota Camada 3 (m)				18,550	18,631	18,553			
Cota Camada 6 (m)				18,510	18,591	18,513			
Cota Camada 7 (m)				18,390	18,471	18,393			
Cota (m):		18,158	18,120	18,240	18,321	18,243	18,123	18,162	
E:		708.913,7334	708.913,8087	708.913,8091	708.913,9693	708.914,1241	708.914,1245	708.914,2021	
N:		7.090.624,3047	7.090.622,3919	7.090.622,3819	7.090.618,3178	7.090.614,3878	7.090.614,3778	7.090.612,4084	

Station: 17+10

Dist. Eixo (m):		-5,970	-3,994	-3,984	0,000	4,016	4,026	5,996	
Cota Camada 1 (m)				19,012	19,092	19,011			
Cota Camada 3 (m)				18,932	19,012	18,931			
Cota Camada 6 (m)				18,892	18,972	18,891			
Cota Camada 7 (m)				18,772	18,852	18,771			
Cota (m):		18,541	18,502	18,622	18,702	18,621	18,501	18,541	
E:		708.923,7265	708.923,8043	708.923,8047	708.923,9615	708.924,1196	708.924,1200	708.924,1975	
N:		7.090.624,6771	7.090.622,7026	7.090.622,6926	7.090.618,7114	7.090.614,6985	7.090.614,6885	7.090.612,7200	

Station: 18+0

Dist. Eixo (m):		-5,949	-3,911	-3,901	0,000	4,099	4,109	6,078	
Cota Camada 1 (m)				19,291	19,369	19,287			
Cota Camada 3 (m)				19,211	19,289	19,207			
Cota Camada 6 (m)				19,171	19,249	19,167			
Cota Camada 7 (m)				19,051	19,129	19,047			
Cota (m):		18,821	18,781	18,901	18,979	18,897	18,777	18,816	
E:		708.933,7196	708.933,7998	708.933,8002	708.933,9537	708.934,1151	708.934,1155	708.934,1930	
N:		7.090.625,0496	7.090.623,0133	7.090.623,0033	7.090.619,1051	7.090.615,0092	7.090.614,9992	7.090.613,0315	

Station: 18+3

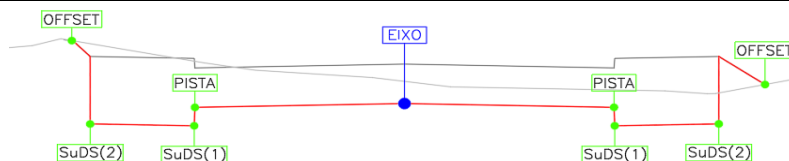
Dist. Eixo (m):		-5,941	-3,878	-3,868	0,000	4,132	4,142	6,111	
Cota Camada 1 (m)				19,376	19,453	19,370			
Cota Camada 3 (m)				19,296	19,373	19,290			
Cota Camada 6 (m)				19,256	19,333	19,250			
Cota Camada 7 (m)				19,136	19,213	19,130			
Cota (m):		18,907	18,866	18,986	19,063	18,980	18,860	18,900	
E:		708.937,7092	708.937,7904	708.937,7908	708.937,9430	708.938,1057	708.938,1061	708.938,1836	
N:		7.090.625,1983	7.090.623,1373	7.090.623,1273	7.090.619,2622	7.090.615,1332	7.090.615,1232	7.090.613,1559	

Station: 18+10

Dist. Eixo (m):		-5,970	-3,871	-3,861	0,000	4,139	4,149	6,118	
Cota Camada 1 (m)				19,501	19,578	19,495			
Cota Camada 3 (m)				19,421	19,498	19,415			
Cota Camada 6 (m)				19,381	19,458	19,375			
Cota Camada 7 (m)				19,261	19,338	19,255			
Cota (m):		19,033	18,991	19,111	19,188	19,105	18,985	19,025	
E:		708.943,7547	708.943,8225	708.943,8228	708.943,9475	708.944,0812	708.944,0815	708.944,1451	
N:		7.090.625,4236	7.090.623,3248	7.090.623,3148	7.090.619,4563	7.090.615,3190	7.090.615,3090	7.090.613,3417	

PREFEITURA MUNICIPAL DE JOINVILLE
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NOTA DE SERVIÇO
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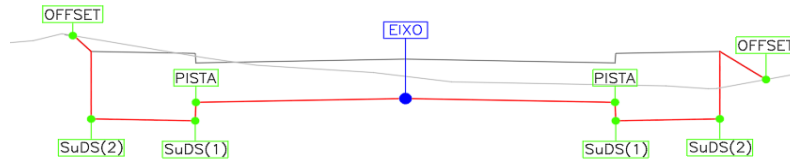
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 19+0									
Dist. Eixo (m):		-10,240	-6,303	-6,293	0,000	6,157	6,167	9,389	
Cota (m):		19,386	19,307	19,427	19,396	19,265	19,145	19,209	
E:		708.953,6116	708.953,7387	708.953,7390	708.953,9423	708.954,1412	708.954,1415	708.954,2455	
N:		7.090.630,0138	7.090.626,0792	7.090.626,0692	7.090.619,7792	7.090.613,6256	7.090.613,6157	7.090.610,3952	
Station: 19+2									
Dist. Eixo (m):				-11,832	0,000	9,513	9,523	12,016	
Cota (m):				19,644	19,443	19,308	19,188	19,238	
E:				708.955,8089	708.956,1911	708.956,4983	708.956,4986	708.956,5792	
N:				7.090.631,6779	7.090.619,8519	7.090.610,3440	7.090.610,3340	7.090.607,8418	
Station: 19+10									
Dist. Eixo (m):				-9,365	0,000	10,961			
Cota (m):				19,592	19,444	19,342			
E:				708.964,0661	708.964,3686	708.964,7226			
N:				7.090.629,4758	7.090.620,1162	7.090.609,1606			
Station: 20+0									
Dist. Eixo (m):		-5,751	-3,960	-3,950	0,000	4,050	4,060	5,897	
Cota Camada 1 (m)				19,803	19,882	19,801			
Cota Camada 3 (m)				19,723	19,802	19,721			
Cota Camada 6 (m)				19,683	19,762	19,681			
Cota Camada 7 (m)				19,563	19,642	19,561			
Cota (m):		19,329	19,293	19,413	19,492	19,411	19,291	19,328	
E:		708.973,7461	708.973,8040	708.973,8043	708.973,9319	708.974,0627	708.974,0630	708.974,1223	
N:		7.090.626,1731	7.090.624,3830	7.090.624,3730	7.090.620,4252	7.090.616,3771	7.090.616,3671	7.090.614,5308	
Station: 20+10									
Dist. Eixo (m):		-5,809	-4,006	-3,996	0,000	4,004	4,014	5,872	
Cota Camada 1 (m)				19,854	19,934	19,853			
Cota Camada 3 (m)				19,774	19,854	19,773			
Cota Camada 6 (m)				19,734	19,814	19,733			
Cota Camada 7 (m)				19,614	19,694	19,613			
Cota (m):		19,380	19,344	19,464	19,544	19,463	19,343	19,381	
E:		708.983,7390	708.983,7973	708.983,7976	708.983,9267	708.984,0560	708.984,0563	708.984,1163	
N:		7.090.626,5544	7.090.624,7521	7.090.624,7421	7.090.620,7482	7.090.616,7462	7.090.616,7362	7.090.614,8796	
Station: 21+0									
Dist. Eixo (m):		-5,825	-4,010	-4,000	0,000	4,000	4,010	5,888	
Cota Camada 1 (m)				19,905	19,985	19,905			
Cota Camada 3 (m)				19,825	19,905	19,825			
Cota Camada 6 (m)				19,785	19,865	19,785			
Cota Camada 7 (m)				19,665	19,745	19,665			
Cota (m):		19,431	19,395	19,515	19,595	19,515	19,395	19,432	
E:		708.993,7050	708.993,7720	708.993,7724	708.993,9200	708.994,0676	708.994,0680	708.994,1373	
N:		7.090.626,9346	7.090.625,1204	7.090.625,1104	7.090.621,1132	7.090.617,1159	7.090.617,1059	7.090.615,2294	
Station: 21+10									
Dist. Eixo (m):		-5,838	-4,010	-4,000	0,000	4,000	4,010	5,908	
Cota Camada 1 (m)				19,956	20,036	19,956			
Cota Camada 3 (m)				19,876	19,956	19,876			
Cota Camada 6 (m)				19,836	19,916	19,836			
Cota Camada 7 (m)				19,716	19,796	19,716			
Cota (m):		19,482	19,446	19,566	19,646	19,566	19,446	19,484	
E:		709.003,6977	709.003,7652	709.003,7656	709.003,9132	709.004,0608	709.004,0612	709.004,1312	
N:		7.090.627,3158	7.090.625,4895	7.090.625,4795	7.090.621,4822	7.090.617,4849	7.090.617,4749	7.090.615,5782	
Station: 22+0									
Dist. Eixo (m):		-5,942	-4,080	-4,070	0,000	4,011	4,021	5,961	
Cota Camada 1 (m)				20,013	20,087	20,008			
Cota Camada 3 (m)				19,933	20,007	19,928			
Cota Camada 6 (m)				19,893	19,967	19,888			
Cota Camada 7 (m)				19,773	19,847	19,768			
Cota (m):		19,540	19,503	19,623	19,697	19,618	19,498	19,537	
E:		709.013,6871	709.013,7558	709.013,7561	709.013,9064	709.014,0544	709.014,0548	709.014,1263	
N:		7.090.627,7895	7.090.625,9289	7.090.625,9189	7.090.621,8512	7.090.617,8428	7.090.617,8328	7.090.615,8944	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA MIRKO MAYERLE

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 22+6									
Dist. Eixo (m):				-11,000	0,000	8,871	8,881	12,039	
Cota Camada 1 (m)				20,139	20,122	20,086			
Cota Camada 3 (m)				20,059	20,042	20,006			
Cota Camada 6 (m)				20,019	20,002	19,966			
Cota Camada 7 (m)				19,899	19,882	19,846			
Cota (m):				19,749	19,732	19,696	19,576	19,639	
E:				709.020,4360	709.020,8419	709.021,1693	709.021,1697	709.021,2862	
N:				7.090.633,0999	7.090.622,1074	7.090.613,2420	7.090.613,2320	7.090.610,0769	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA OLIVIO MENEZES

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(2)	OFFSET
Station: 0+0										
Dist. Eixo (m):	-7,873	-7,117	-5,343	-5,343	-4,945	0,000	10,704	11,102	11,102	11,524
Cota Camada 1 (m)					16,521	16,620	16,817			
Cota Camada 3 (m)					16,441	16,540	16,737			
Cota Camada 6 (m)					16,401	16,500	16,697			
Cota Camada 7 (m)					16,281	16,380	16,577			
Cota (m):	17,471	16,715	16,419	16,123	16,131	16,230	16,427	16,419	16,715	16,723
E:	709.395,6545	709.394,8989	709.393,1265	709.393,1265	709.392,7286	709.387,7882	709.377,0933	709.376,6957	709.376,6957	709.376,2742
N:	7.090.324,6978	7.090.324,6666	7.090.324,5935	7.090.324,5935	7.090.324,5771	7.090.324,3732	7.090.323,9319	7.090.323,9155	7.090.323,9155	7.090.323,8981
Station: 0+10										
Dist. Eixo (m):	-5,636	-5,227	-4,375	-4,375	-3,977	0,000	3,996	4,394	4,394	6,252
Cota Camada 1 (m)					18,030	18,110	18,030			
Cota Camada 3 (m)					17,950	18,030	17,950			
Cota Camada 6 (m)					17,910	17,990	17,910			
Cota Camada 7 (m)					17,790	17,870	17,790			
Cota (m):	18,614	18,205	17,928	17,632	17,640	17,720	17,640	17,632	17,927	18,068
E:	709.393,8319	709.393,4229	709.392,5715	709.392,5715	709.392,1737	709.388,2005	709.384,2076	709.383,8100	709.383,8100	709.382,1821
N:	7.090.314,6141	7.090.314,5972	7.090.314,5621	7.090.314,5621	7.090.314,5457	7.090.314,3817	7.090.314,2169	7.090.314,2005	7.090.314,2005	7.090.314,1334
Station: 1+0										
Dist. Eixo (m):	-5,674	-5,197	-4,331	-4,331	-3,933	0,000	3,997	4,395	4,395	6,358
Cota Camada 1 (m)					19,520	19,599	19,519			
Cota Camada 3 (m)					19,440	19,519	19,439			
Cota Camada 6 (m)					19,400	19,479	19,399			
Cota Camada 7 (m)					19,280	19,359	19,279			
Cota (m):	20,173	19,696	19,418	19,122	19,130	19,209	19,129	19,121	19,417	19,516
E:	709.394,2817	709.393,8051	709.392,9406	709.392,9406	709.392,5428	709.388,6128	709.384,6196	709.384,2219	709.383,8100	709.382,5512
N:	7.090.304,6242	7.090.304,6045	7.090.304,5688	7.090.304,5688	7.090.304,5524	7.090.304,3902	7.090.304,2254	7.090.304,2090	7.090.304,2090	7.090.304,1401
Station: 1+10										
Dist. Eixo (m):		-5,178	-4,310	-4,310	-3,911	0,000	3,997	4,395	4,395	6,048
Cota Camada 1 (m)					20,918	20,996	20,916			
Cota Camada 3 (m)					20,838	20,916	20,836			
Cota Camada 6 (m)					20,798	20,876	20,796			
Cota Camada 7 (m)					20,678	20,756	20,676			
Cota (m):		21,093	20,815	20,520	20,528	20,606	20,526	20,518	20,814	20,847
E:		709.394,1988	709.393,3311	709.393,3311	709.392,9333	709.389,0252	709.385,0315	709.384,6339	709.384,6339	709.382,9824
N:		7.090.294,6122	7.090.294,5764	7.090.294,5764	7.090.294,5600	7.090.294,3987	7.090.294,2339	7.090.294,2175	7.090.294,2175	7.090.294,1494
Station: 2+0										
Dist. Eixo (m):		-5,803	-4,314	-4,314	-3,916	0,000	3,997	4,395	4,395	6,155
Cota Camada 1 (m)					21,954	22,033	21,953			
Cota Camada 3 (m)					21,874	21,953	21,873			
Cota Camada 6 (m)					21,834	21,913	21,833			
Cota Camada 7 (m)					21,714	21,793	21,713			
Cota (m):		22,142	21,852	21,556	21,564	21,643	21,563	21,555	21,851	21,886
E:		709.395,2356	709.393,7478	709.393,7478	709.393,3500	709.389,4375	709.385,4440	709.385,0464	709.385,0462	709.383,2880
N:		7.090.284,6465	7.090.284,5851	7.090.284,5851	7.090.284,5687	7.090.284,4072	7.090.284,2424	7.090.284,2260	7.090.284,2260	7.090.284,1535
Station: 2+10										
Dist. Eixo (m):		-5,625	-4,318	-4,318	-3,920	0,000	3,932	4,330	4,330	6,125
Cota Camada 1 (m)					22,707	22,785	22,707			
Cota Camada 3 (m)					22,627	22,705	22,627			
Cota Camada 6 (m)					22,587	22,665	22,587			
Cota Camada 7 (m)					22,467	22,545	22,467			
Cota (m):		22,891	22,605	22,309	22,317	22,395	22,317	22,309	22,604	22,640
E:		709.395,4702	709.394,1646	709.394,1646	709.393,7668	709.389,8498	709.385,9207	709.385,5231	709.385,5231	709.383,7299
N:		7.090.274,6477	7.090.274,5938	7.090.274,5938	7.090.274,5774	7.090.274,4157	7.090.274,2536	7.090.274,2372	7.090.274,2372	7.090.274,1632
Station: 2+11										
Dist. Eixo (m):		-5,610	-3,931	-3,931	-3,921	0,000	4,997	5,007	5,007	6,116
Cota Camada 1 (m)					23,222	23,301	23,201			
Cota Camada 3 (m)					23,142	23,221	23,121			
Cota Camada 6 (m)					23,102	23,181	23,081			
Cota Camada 7 (m)					22,982	23,061	22,961			
Cota (m):		22,756	22,722	22,832	22,832	22,911	22,811	22,701	22,701	22,723
E:		709.395,5250	709.393,8478	709.393,8478	709.393,8378	709.389,9200	709.384,9242	709.384,9142	709.384,9142	709.383,8051
N:		7.090.272,9464	7.090.272,8772	7.090.272,8772	7.090.272,8767	7.090.272,7151	7.090.272,5089	7.090.272,5085	7.090.272,5085	7.090.272,4627
Station: 3+0										
Dist. Eixo (m):		-5,844	-4,204			0,000			3,472	5,862
Cota (m):		22,799	22,767			22,961			22,781	22,829
E:		709.395,8114	709.394,1721			709.389,9677			709.386,4960	709.384,1059
N:		7.090.264,4509	7.090.264,4415			7.090.264,4173			7.090.264,3974	7.090.264,3836
Station: 4+15										
Dist. Eixo (m):		-6,204	-4,860	-4,860	-4,462	0,000	3,563	3,961	3,961	5,785
Cota Camada 1 (m)					21,809	21,898	21,827			
Cota Camada 3 (m)					21,729	21,818	21,747			
Cota Camada 6 (m)					21,689	21,778	21,707			
Cota Camada 7 (m)					21,569	21,658	21,587			
Cota (m):		21,993	21,707	21,411	21,419	21,508	21,437	21,429	21,725	21,761
E:		709.396,3758	709.395,0317	709.395,0317	709.394,6335	709.390,1716	709.386,6084	709.386,2105	709.386,2105	709.384,3868
N:		7.090.228,9936	7.090.228,9859	7.090.228,9859	7.090.228,9836	7.090.228,9579	7.090.228,9374	7.090.228,9351	7.090.228,9351	7.090.228,9246
Station: 4+17										
Dist. Eixo (m):		-5,125	-5,039	-3,883	-3,883	0,000	3,003	3,401	3,401	5,004
Cota Camada 1 (m)					21,658	21,727	21,667			
Cota Camada 3 (m)					21,578	21,647	21,587			
Cota Camada 6 (m)					21,538	21,607	21,547			
Cota Camada 7 (m)					21,418	21,487	21,427			
Cota (m):		21,781	21,838	21,555	21,260	21,337	21,277	21,269	21,565	21,597
E:		709.395,3149	709.395,2289	709.394,0727	709.394,0727	709.390,1861	709.387,1826	709.386,7847	709.386,7847	709.385,1819
N:		7.090.226,4678	7.090.226,4673	7.090.226,4606	7.090.226,4606	7.090.226,4383	7.090.226,4210	7.090.226,4187	7.090.226,4187	7.090.226,4095

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA OLIVIO MENEZES

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV		SuDS(2)	OFFSET
Station: 5+0											
Dist. Eixo (m):	-4,768	-4,617	-3,504	-3,504	-3,106	0,000	3,000	3,398	3,398	5,000	
Cota Camada 1 (m)					21,483	21,545	21,485				
Cota Camada 3 (m)					21,403	21,465	21,405				
Cota Camada 6 (m)					21,363	21,425	21,365				
Cota Camada 7 (m)					21,243	21,305	21,245				
Cota (m):	21,563	21,663	21,381	21,085	21,093	21,155	21,095	21,087	21,383	21,415	
E:	709.395,0434	709.394,8929	709.393,7811	709.393,7811	709.393,3833	709.390,2808	709.387,2841	709.386,8865	709.386,8865	709.385,2863	
N:	7.090.224,6436	7.090.224,6365	7.090.224,5844	7.090.224,5844	7.090.224,5657	7.090.224,4202	7.090.224,2796	7.090.224,2609	7.090.224,2609	7.090.224,1858	
Station: 5+10											
Dist. Eixo (m):	-5,940	-4,521	-3,427	-3,427	-3,029	0,000	3,000	3,398	3,398	5,000	
Cota Camada 1 (m)					20,234	20,294	20,234				
Cota Camada 3 (m)					20,154	20,214	20,154				
Cota Camada 6 (m)					20,114	20,174	20,114				
Cota Camada 7 (m)					19,994	20,054	19,994				
Cota (m):	22,600	20,153	20,131	19,836	19,844	19,904	19,844	19,836	20,132	20,164	
E:	709.396,6828	709.395,2659	709.394,1729	709.394,1729	709.393,7752	709.390,7494	709.387,7527	709.387,3552	709.387,3552	709.385,7549	
N:	7.090.214,7095	7.090.214,6430	7.090.214,5918	7.090.214,5918	7.090.214,5731	7.090.214,4312	7.090.214,2906	7.090.214,2719	7.090.214,2719	7.090.214,1968	
Station: 6+0											
Dist. Eixo (m):	-4,578	-4,504	-3,419	-3,419	-3,021	0,000	3,000	3,398	3,398	5,408	
Cota Camada 1 (m)					18,965	19,025	18,965				
Cota Camada 3 (m)					18,885	18,945	18,885				
Cota Camada 6 (m)					18,845	18,905	18,845				
Cota Camada 7 (m)					18,725	18,785	18,725				
Cota (m):	19,218	19,145	18,863	18,567	18,575	18,635	18,575	18,567	18,863	18,903	
E:	709.395,7906	709.395,7175	709.394,6330	709.394,6330	709.394,2353	709.391,2180	709.388,2213	709.387,8238	709.387,8238	709.385,8155	
N:	7.090.204,6567	7.090.204,6532	7.090.204,6024	7.090.204,6024	7.090.204,5837	7.090.204,4421	7.090.204,3015	7.090.204,2829	7.090.204,2829	7.090.204,1887	
Station: 6+10											
Dist. Eixo (m):	-4,591	-4,487	-3,410	-3,410	-3,012	0,000	3,000	3,398	3,398	5,469	
Cota Camada 1 (m)					17,829	17,889	17,829				
Cota Camada 3 (m)					17,749	17,809	17,749				
Cota Camada 6 (m)					17,709	17,769	17,709				
Cota Camada 7 (m)					17,589	17,649	17,589				
Cota (m):	18,112	18,008	17,726	17,431	17,439	17,499	17,439	17,431	17,727	17,768	
E:	709.396,2724	709.396,1689	709.395,0932	709.395,0932	709.394,6954	709.391,6867	709.388,6900	709.388,2924	709.388,2924	709.386,2238	
N:	7.090.194,6683	7.090.194,6634	7.090.194,6129	7.090.194,6129	7.090.194,5943	7.090.194,4531	7.090.194,3125	7.090.194,2939	7.090.194,2939	7.090.194,1968	
Station: 7+0											
Dist. Eixo (m):	-4,815	-4,470	-3,402	-3,402	-3,004	0,000	3,000	3,398	3,398	5,529	
Cota Camada 1 (m)					16,871	16,931	16,871				
Cota Camada 3 (m)					16,791	16,851	16,791				
Cota Camada 6 (m)					16,751	16,811	16,751				
Cota Camada 7 (m)					16,631	16,691	16,631				
Cota (m):	16,820	17,050	16,769	16,473	16,481	16,541	16,481	16,473	16,769	16,812	
E:	709.396,9651	709.396,6203	709.395,5533	709.395,5533	709.395,1556	709.392,1553	709.389,1586	709.388,7611	709.388,7611	709.386,6320	
N:	7.090.184,6898	7.090.184,6736	7.090.184,6235	7.090.184,6235	7.090.184,6049	7.090.184,4641	7.090.184,3235	7.090.184,3049	7.090.184,3049	7.090.184,2050	
Station: 7+4											
Dist. Eixo (m):	-5,016	-4,463	-3,398	-3,398	-3,000	0,000	3,000	3,398	3,398	5,567	
Cota Camada 1 (m)					16,525	16,585	16,525				
Cota Camada 3 (m)					16,445	16,505	16,445				
Cota Camada 6 (m)					16,405	16,465	16,405				
Cota Camada 7 (m)					16,285	16,345	16,285				
Cota (m):	16,335	16,703	16,422	16,127	16,135	16,195	16,135	16,127	16,423	16,466	
E:	709.397,3612	709.396,8086	709.395,7452	709.395,7452	709.395,3475	709.392,3508	709.389,3541	709.388,9566	709.388,9566	709.386,7895	
N:	7.090.180,5321	7.090.180,5062	7.090.180,4563	7.090.180,4563	7.090.180,4377	7.090.180,2971	7.090.180,1565	7.090.180,1378	7.090.180,1378	7.090.180,0362	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA OLIVIO MENESTRINA

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(2)	OFFSET
Station: 7+10										
Dist. Eixo (m):		-5,372	-3,398	-3,398	-3,000	0,000	3,000	3,398	3,398	4,562
Cota Camada 1 (m)					16,092	16,152	16,092			
Cota Camada 3 (m)					16,012	16,072	16,012			
Cota Camada 6 (m)					15,972	16,032	15,972			
Cota Camada 7 (m)					15,852	15,912	15,852			
Cota (m):		16,030	15,990	15,694	15,702	15,762	15,702	15,694	15,990	16,013
E:		709.397.9912	709.396.0200	709.396.0200	709.395.6223	709.392.6256	709.389.6289	709.389.2314	709.389.2314	709.388.0685
N:		7.090.174.7284	7.090.174.6354	7.090.174.6354	7.090.174.6166	7.090.174.4752	7.090.174.3337	7.090.174.3150	7.090.174.3150	7.090.174.2601
Station: 8+0										
Dist. Eixo (m):		-5,199	-3,398	-3,398	-3,000	0,000	3,000	3,398	3,398	4,704
Cota Camada 1 (m)					15,492	15,552	15,492			
Cota Camada 3 (m)					15,412	15,472	15,412			
Cota Camada 6 (m)					15,372	15,432	15,372			
Cota Camada 7 (m)					15,252	15,312	15,252			
Cota (m):		15,426	15,390	15,094	15,102	15,162	15,102	15,094	15,390	15,416
E:		709.398.2898	709.396.4915	709.396.4915	709.396.0937	709.393.0971	709.390.1004	709.389.7029	709.389.7029	709.388.3987
N:		7.090.164.7314	7.090.164.6465	7.090.164.6465	7.090.164.6277	7.090.164.4863	7.090.164.3449	7.090.164.3261	7.090.164.3261	7.090.164.2645
Station: 8+10										
Dist. Eixo (m):		-5,043	-3,398	-3,398	-3,000	0,000	3,000	3,398	3,398	4,689
Cota Camada 1 (m)					15,071	15,131	15,071			
Cota Camada 3 (m)					14,991	15,051	14,991			
Cota Camada 6 (m)					14,951	15,011	14,951			
Cota Camada 7 (m)					14,831	14,891	14,831			
Cota (m):		15,261	14,968	14,673	14,681	14,741	14,681	14,673	14,968	14,994
E:		709.398.6057	709.396.9629	709.396.9629	709.396.5652	709.393.5686	709.390.5719	709.390.1744	709.390.1744	709.388.8849
N:		7.090.154.7352	7.090.154.6576	7.090.154.6576	7.090.154.6389	7.090.154.4974	7.090.154.3560	7.090.154.3372	7.090.154.3372	7.090.154.2764
Station: 9+0										
Dist. Eixo (m):		-4,968	-3,398	-3,398	-3,000	0,000	3,000	3,398	3,398	4,676
Cota Camada 1 (m)					14,828	14,888	14,828			
Cota Camada 3 (m)					14,748	14,808	14,748			
Cota Camada 6 (m)					14,708	14,768	14,708			
Cota Camada 7 (m)					14,588	14,648	14,588			
Cota (m):		14,757	14,726	14,430	14,438	14,498	14,438	14,430	14,725	14,751
E:		709.399.0021	709.397.4344	709.397.4344	709.397.0367	709.394.0400	709.391.0434	709.390.6459	709.390.6459	709.389.3693
N:		7.090.144.7428	7.090.144.6688	7.090.144.6688	7.090.144.6500	7.090.144.5085	7.090.144.3671	7.090.144.3483	7.090.144.3483	7.090.144.2881
Station: 9+10										
Dist. Eixo (m):		-4,866	-3,398	-3,398	-3,000	0,000	3,000	3,398	3,398	4,990
Cota Camada 1 (m)					14,709	14,769	14,709			
Cota Camada 3 (m)					14,629	14,689	14,629			
Cota Camada 6 (m)					14,589	14,649	14,589			
Cota Camada 7 (m)					14,469	14,529	14,469			
Cota (m):		14,636	14,607	14,311	14,319	14,379	14,319	14,311	14,607	14,639
E:		709.399.3726	709.397.9059	709.397.9059	709.397.5082	709.394.5115	709.391.5149	709.391.1173	709.391.1173	709.389.5273
N:		7.090.134.7491	7.090.134.6799	7.090.134.6799	7.090.134.6611	7.090.134.5197	7.090.134.3782	7.090.134.3595	7.090.134.3595	7.090.134.2844
Station: 10+0										
Dist. Eixo (m):		-4,700	-3,398	-3,398	-3,000	0,000	3,000	3,398	3,398	5,145
Cota Camada 1 (m)					14,595	14,655	14,595			
Cota Camada 3 (m)					14,515	14,575	14,515			
Cota Camada 6 (m)					14,475	14,535	14,475			
Cota Camada 7 (m)					14,355	14,415	14,355			
Cota (m):		14,519	14,493	14,197	14,205	14,265	14,205	14,197	14,493	14,528
E:		709.399.6778	709.398.3774	709.398.3774	709.397.9797	709.394.9830	709.391.9863	709.391.5888	709.391.5888	709.389.8433
N:		7.090.124.7524	7.090.124.6910	7.090.124.6910	7.090.124.6722	7.090.124.5308	7.090.124.3893	7.090.124.3706	7.090.124.3706	7.090.124.2882
Station: 10+10										
Dist. Eixo (m):		-4,506	-3,398	-3,398	-3,000	0,000	3,000	3,398	3,398	4,966
Cota Camada 1 (m)					14,480	14,540	14,480			
Cota Camada 3 (m)					14,400	14,460	14,400			
Cota Camada 6 (m)					14,360	14,420	14,360			
Cota Camada 7 (m)					14,240	14,300	14,240			
Cota (m):		14,661	14,378	14,082	14,090	14,150	14,090	14,082	14,379	14,410
E:		709.399.9559	709.398.8489	709.398.8489	709.398.4511	709.395.4545	709.392.4578	709.392.0603	709.392.0603	709.390.4943
N:		7.090.114.7544	7.090.114.7021	7.090.114.7021	7.090.114.6833	7.090.114.5419	7.090.114.4005	7.090.114.3817	7.090.114.3817	7.090.114.3078
Station: 11+0										
Dist. Eixo (m):		-4,496	-3,398	-3,398	-3,000	0,000	3,000	3,398	3,398	4,779
Cota Camada 1 (m)					14,366	14,426	14,366			
Cota Camada 3 (m)					14,286	14,346	14,286			
Cota Camada 6 (m)					14,246	14,306	14,246			
Cota Camada 7 (m)					14,126	14,186	14,126			
Cota (m):		14,546	14,264	13,968	13,976	14,036	13,976	13,968	14,263	14,291
E:		709.400.4167	709.399.3203	709.399.3203	709.398.9226	709.395.9260	709.392.9293	709.392.5318	709.392.5318	709.391.1520
N:		7.090.104.7650	7.090.104.7132	7.090.104.7132	7.090.104.6945	7.090.104.5530	7.090.104.4116	7.090.104.3928	7.090.104.3928	7.090.104.3277
Station: 11+10										
Dist. Eixo (m):		-4,518	-3,398	-3,398	-3,000	0,000	3,000	3,398	3,398	4,591
Cota Camada 1 (m)					14,252	14,312	14,252			
Cota Camada 3 (m)					14,172	14,232	14,172			
Cota Camada 6 (m)					14,132	14,192	14,132			
Cota Camada 7 (m)					14,012	14,072	14,012			
Cota (m):		14,172	14,149	13,854	13,862	13,922	13,862	13,854	14,149	14,173
E:		709.400.9107	709.399.7918	709.399.7918	709.399.3941	709.396.3974	709.393.4008	709.393.0033	709.393.0033	709.391.8118
N:		7.090.094.7772	7.090.094.7244	7.090.094.7244	7.090.094.7056	7.090.094.5641	7.090.094.4227	7.090.094.4039	7.090.094.4039	7.090.094.3477

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PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV		SuDS(2)	OFFSET
Station: 11+17											
Dist. Eixo (m):		-4,540	-3,398	-3,398	-3,000	0,000	3,000	3,398	3,398	4,554	
Cota Camada 1 (m)					14,171	14,231	14,171				
Cota Camada 3 (m)					14,091	14,151	14,091				
Cota Camada 6 (m)					14,051	14,111	14,051				
Cota Camada 7 (m)					13,931	13,991	13,931				
Cota (m):		14,092	14,069	13,773	13,781	13,841	13,781	13,773	14,069	14,092	
E:		709.401,2651	709.400,1245	709.400,1245	709.399,7268	709.396,7302	709.393,7335	709.393,3360	709.393,3360	709.392,1816	
N:		7.090.087,7289	7.090.087,6751	7.090.087,6751	7.090.087,6563	7.090.087,5149	7.090.087,3734	7.090.087,3547	7.090.087,3547	7.090.087,3002	
Station: 12+0											
Dist. Eixo (m):		-4,559	-3,398	-3,398	-3,000	0,000	3,000	3,398	3,398	4,511	
Cota Camada 1 (m)					14,137	14,197	14,137				
Cota Camada 3 (m)					14,057	14,117	14,057				
Cota Camada 6 (m)					14,017	14,077	14,017				
Cota Camada 7 (m)					13,897	13,957	13,897				
Cota (m):		14,058	14,035	13,739	13,747	13,807	13,747	13,739	14,035	14,057	
E:		709.401,4421	709.400,2829	709.400,2829	709.399,8853	709.396,8898	709.393,8942	709.393,4968	709.393,4968	709.392,3855	
N:		7.090.084,8236	7.090.084,7606	7.090.084,7606	7.090.084,7390	7.090.084,5763	7.090.084,4136	7.090.084,3920	7.090.084,3920	7.090.084,3317	
Station: 12+10											
Dist. Eixo (m):		-4,613	-3,398	-3,398	-3,000	0,000	3,000	3,398	3,398	4,500	
Cota Camada 1 (m)					14,018	14,078	14,018				
Cota Camada 3 (m)					13,938	13,998	13,938				
Cota Camada 6 (m)					13,898	13,958	13,898				
Cota Camada 7 (m)					13,778	13,838	13,778				
Cota (m):		13,940	13,916	13,620	13,628	13,688	13,628	13,620	13,916	13,938	
E:		709.402,0381	709.400,8252	709.400,8252	709.400,4277	709.397,4321	709.394,4365	709.394,0391	709.394,0391	709.392,9390	
N:		7.090.074,8412	7.090.074,7753	7.090.074,7753	7.090.074,7537	7.090.074,5910	7.090.074,4283	7.090.074,4068	7.090.074,4068	7.090.074,3470	
Station: 13+0											
Dist. Eixo (m):		-4,726	-3,398	-3,398	-3,000	0,000	3,000	3,398	3,398	4,517	
Cota Camada 1 (m)					13,849	13,909	13,849				
Cota Camada 3 (m)					13,769	13,829	13,769				
Cota Camada 6 (m)					13,729	13,789	13,729				
Cota Camada 7 (m)					13,609	13,669	13,609				
Cota (m):		13,773	13,747	13,451	13,459	13,519	13,459	13,451	13,747	13,769	
E:		709.402,6937	709.401,3675	709.401,3675	709.400,9700	709.397,9744	709.394,9788	709.394,5814	709.394,5814	709.393,4644	
N:		7.090.064,8621	7.090.064,7900	7.090.064,7900	7.090.064,7684	7.090.064,6058	7.090.064,4431	7.090.064,4215	7.090.064,4215	7.090.064,3608	
Station: 13+1											
Dist. Eixo (m):		-4,723	-3,398	-3,398	-3,000	0,000	3,000	3,398	3,398	4,512	
Cota Camada 1 (m)					13,824	13,884	13,824				
Cota Camada 3 (m)					13,744	13,804	13,744				
Cota Camada 6 (m)					13,704	13,764	13,704				
Cota Camada 7 (m)					13,584	13,644	13,584				
Cota (m):		13,748	13,721	13,426	13,434	13,494	13,434	13,426	13,722	13,744	
E:		709.402,7585	709.401,4355	709.401,4355	709.401,0379	709.398,0423	709.395,0467	709.394,6493	709.394,6493	709.393,5369	
N:		7.090.063,6112	7.090.063,5394	7.090.063,5394	7.090.063,5178	7.090.063,3551	7.090.063,1924	7.090.063,1708	7.090.063,1708	7.090.063,1104	
Station: 13+7											
Dist. Eixo (m):		-4,769	-3,538	-3,538	-3,140	0,000	3,000	3,398	3,398	6,630	
Cota Camada 1 (m)					13,670	13,733	13,673				
Cota Camada 3 (m)					13,590	13,653	13,593				
Cota Camada 6 (m)					13,550	13,613	13,553				
Cota Camada 7 (m)					13,430	13,493	13,433				
Cota (m):		13,592	13,568	13,272	13,280	13,343	13,283	13,275	13,570	13,635	
E:		709.403,0242	709.401,7942	709.401,7942	709.401,3961	709.398,2659	709.395,2560	709.394,8581	709.394,8581	709.391,6266	
N:		7.090.056,7313	7.090.056,7193	7.090.056,7193	7.090.056,7154	7.090.056,6848	7.090.056,6555	7.090.056,6516	7.090.056,6516	7.090.056,6201	
Station: 13+10											
Dist. Eixo (m):		-4,758	-3,606	-3,606	-3,208	0,000	3,000	3,398	3,398	6,575	
Cota Camada 1 (m)					13,620	13,684	13,624				
Cota Camada 3 (m)					13,540	13,604	13,544				
Cota Camada 6 (m)					13,500	13,564	13,504				
Cota Camada 7 (m)					13,380	13,444	13,384				
Cota (m):		13,540	13,517	13,222	13,230	13,294	13,234	13,226	13,521	13,585	
E:		709.403,0193	709.401,8682	709.401,8682	709.401,4701	709.398,2618	709.395,2618	709.394,8639	709.394,8639	709.391,6864	
N:		7.090.054,5923	7.090.054,5970	7.090.054,5970	7.090.054,5986	7.090.054,6116	7.090.054,6238	7.090.054,6254	7.090.054,6254	7.090.054,6383	

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PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(2)	OFFSET
Station: 13+14										
Dist. Eixo (m):		-5,074	-3,807	-3,807	-3,408	0,000	3,000	3,398	3,398	6,371
Cota Camada 1 (m)					13,507	13,575	13,515			
Cota Camada 3 (m)					13,427	13,495	13,435			
Cota Camada 6 (m)					13,387	13,455	13,395			
Cota Camada 7 (m)					13,267	13,335	13,275			
Cota (m):		13,430	13,405	13,109	13,117	13,185	13,125	13,117	13,413	13,472
E:		709.403,2436	709.401,9769	709.401,9769	709.401,5790	709.398,1726	709.395,1744	709.394,7767	709.394,7767	709.391,8058
N:		7.090.049,8354	7.090.049,8794	7.090.049,8794	7.090.049,8932	7.090.050,0116	7.090.050,1158	7.090.050,1296	7.090.050,1296	7.090.050,2328
Station: 14+0										
Dist. Eixo (m):		-5,517	-4,117	-4,117	-3,719	0,000	3,000	3,398	3,398	6,060
Cota Camada 1 (m)					13,373	13,448	13,388			
Cota Camada 3 (m)					13,293	13,368	13,308			
Cota Camada 6 (m)					13,253	13,328	13,268			
Cota Camada 7 (m)					13,133	13,208	13,148			
Cota (m):		13,299	13,271	12,975	12,983	13,058	12,998	12,990	13,286	13,339
E:		709.403,4987	709.402,0997	709.402,0997	709.401,7017	709.397,9851	709.394,9869	709.394,5892	709.394,5892	709.391,9287
N:		7.090.044,4243	7.090.044,4729	7.090.044,4729	7.090.044,4868	7.090.044,6159	7.090.044,7201	7.090.044,7339	7.090.044,7339	7.090.044,8263
Station: 14+5										
Dist. Eixo (m):		-5,810	-4,338	-4,338	-3,940	0,000	3,063	3,461	3,461	5,820
Cota Camada 1 (m)					13,251	13,329	13,268			
Cota Camada 3 (m)					13,171	13,249	13,188			
Cota Camada 6 (m)					13,131	13,209	13,148			
Cota Camada 7 (m)					13,011	13,089	13,028			
Cota (m):		13,178	13,148	12,853	12,861	12,939	12,878	12,870	13,166	13,213
E:		709.403,6826	709.402,2111	709.402,2111	709.401,8129	709.397,8732	709.394,8102	709.394,4122	709.394,4122	709.392,0533
N:		7.090.039,5802	7.090.039,5891	7.090.039,5891	7.090.039,5915	7.090.039,6152	7.090.039,6336	7.090.039,6360	7.090.039,6360	7.090.039,6502
Station: 14+9										
Dist. Eixo (m):		-5,809	-4,398	-4,398	-4,000	0,000	3,253	3,651	3,651	5,750
Cota Camada 1 (m)					13,148	13,228	13,162			
Cota Camada 3 (m)					13,068	13,148	13,082			
Cota Camada 6 (m)					13,028	13,108	13,042			
Cota Camada 7 (m)					12,908	12,988	12,922			
Cota (m):		13,073	13,045	12,750	12,758	12,838	12,772	12,764	13,060	13,102
E:		709.403,7171	709.402,3062	709.402,3062	709.401,9082	709.397,9092	709.394,6573	709.394,2594	709.394,2594	709.392,1609
N:		7.090.035,4394	7.090.035,4074	7.090.035,4074	7.090.035,3983	7.090.035,3075	7.090.035,2336	7.090.035,2246	7.090.035,2246	7.090.035,1769
Station: 14+10										
Dist. Eixo (m):		-5,799	-4,398	-4,398	-4,000	0,000	3,292	3,690	3,690	5,749
Cota Camada 1 (m)					13,131	13,211	13,145			
Cota Camada 3 (m)					13,051	13,131	13,065			
Cota Camada 6 (m)					13,011	13,091	13,025			
Cota Camada 7 (m)					12,891	12,971	12,905			
Cota (m):		13,057	13,029	12,733	12,741	12,821	12,755	12,747	13,043	13,084
E:		709.403,7228	709.402,3219	709.402,3219	709.401,9238	709.397,9248	709.394,6333	709.394,2354	709.394,2354	709.392,1775
N:		7.090.034,7495	7.090.034,7177	7.090.034,7177	7.090.034,7087	7.090.034,6178	7.090.034,5431	7.090.034,5340	7.090.034,5340	7.090.034,4873
Station: 15+0										
Dist. Eixo (m):		-5,719	-4,398	-4,398	-4,000	0,000	3,854	4,252	4,252	5,746
Cota Camada 1 (m)					12,899	12,979	12,902			
Cota Camada 3 (m)					12,819	12,899	12,822			
Cota Camada 6 (m)					12,779	12,859	12,782			
Cota Camada 7 (m)					12,659	12,739	12,662			
Cota (m):		12,824	12,797	12,501	12,509	12,589	12,512	12,504	12,800	12,830
E:		709.403,8693	709.402,5489	709.402,5489	709.402,1509	709.398,1519	709.394,2988	709.393,9009	709.393,9009	709.392,4070
N:		7.090.024,7503	7.090.024,7203	7.090.024,7203	7.090.024,7112	7.090.024,6204	7.090.024,5329	7.090.024,5239	7.090.024,5239	7.090.024,4899
Station: 15+10										
Dist. Eixo (m):		-5,745	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,649
Cota Camada 1 (m)					12,718	12,798	12,718			
Cota Camada 3 (m)					12,638	12,718	12,638			
Cota Camada 6 (m)					12,598	12,678	12,598			
Cota Camada 7 (m)					12,478	12,558	12,478			
Cota (m):		12,643	12,616	12,320	12,328	12,408	12,328	12,320	12,616	12,641
E:		709.404,1226	709.402,7760	709.402,7760	709.402,3779	709.398,3790	709.394,3800	709.393,9821	709.393,9821	709.392,7309
N:		7.090.014,7534	7.090.014,7228	7.090.014,7228	7.090.014,7138	7.090.014,6230	7.090.014,5322	7.090.014,5231	7.090.014,5231	7.090.014,4947
Station: 16+0										
Dist. Eixo (m):		-5,754	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,800
Cota Camada 1 (m)					12,594	12,674	12,594			
Cota Camada 3 (m)					12,514	12,594	12,514			
Cota Camada 6 (m)					12,474	12,554	12,474			
Cota Camada 7 (m)					12,354	12,434	12,354			
Cota (m):		12,519	12,492	12,196	12,204	12,284	12,204	12,196	12,492	12,520
E:		709.404,3585	709.403,0030	709.403,0030	709.402,6050	709.398,6060	709.394,6070	709.394,2092	709.394,2092	709.392,8079
N:		7.090.004,7562	7.090.004,7254	7.090.004,7254	7.090.004,7164	7.090.004,6256	7.090.004,5347	7.090.004,5257	7.090.004,5257	7.090.004,4939
Station: 16+9										
Dist. Eixo (m):		-5,710	-4,397	-4,397	-3,999	0,000	4,000	4,398	4,398	5,708
Cota Camada 1 (m)					12,483	12,563	12,483			
Cota Camada 3 (m)					12,403	12,483	12,403			
Cota Camada 6 (m)					12,363	12,443	12,363			
Cota Camada 7 (m)					12,243	12,323	12,243			
Cota (m):		12,667	12,381	12,085	12,093	12,173	12,093	12,085	12,381	12,407
E:		709.404,5428	709.403,2298	709.403,2298	709.402,8317	709.398,8328	709.394,8338	709.394,4359	709.394,4359	709.393,1258
N:		7.089.994,7706	7.089.994,7408	7.089.994,7408	7.089.994,7317	7.089.994,6409	7.089.994,5501	7.089.994,5410	7.089.994,5410	7.089.994,5113

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PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV		SuDS(2)	OFFSET
Station: 16+10											
Dist. Eixo (m):	-6,024	-5,712	-4,398	-4,398	-3,999	0,000	4,000	4,398	4,398	5,709	
Cota Camada 1 (m)					12,483	12,563	12,483				
Cota Camada 3 (m)					12,403	12,483	12,403				
Cota Camada 6 (m)					12,363	12,443	12,363				
Cota Camada 7 (m)					12,243	12,323	12,243				
Cota (m):	12,459	12,667	12,381	12,085	12,093	12,173	12,093	12,085	12,381	12,407	
E:	709.404,8523	709.404,5414	709.403,2275	709.403,2275	709.402,8297	709.398,8333	709.394,8369	709.394,4393	709.394,4393	709.393,1297	
N:	7.089.994,8832	7.089.994,8700	7.089.994,8144	7.089.994,8144	7.089.994,7975	7.089.994,6282	7.089.994,4588	7.089.994,4419	7.089.994,4419	7.089.994,3865	
Station: 17+0											
Dist. Eixo (m):	-6,794	-6,226	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	5,860	
Cota Camada 1 (m)					12,371	12,451	12,371				
Cota Camada 3 (m)					12,291	12,371	12,291				
Cota Camada 6 (m)					12,251	12,331	12,251				
Cota Camada 7 (m)					12,131	12,211	12,131				
Cota (m):	12,187	12,566	12,269	11,973	11,981	12,061	11,981	11,973	12,269	12,298	
E:	709.406,0449	709.405,4774	709.403,6509	709.403,6509	709.403,2531	709.399,2567	709.395,2603	709.394,8627	709.394,8627	709.393,4023	
N:	7.089.984,9248	7.089.984,9007	7.089.984,8233	7.089.984,8233	7.089.984,8065	7.089.984,6371	7.089.984,4678	7.089.984,4509	7.089.984,4509	7.089.984,3890	
Station: 17+10											
Dist. Eixo (m):	-6,616	-6,165	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,015	
Cota Camada 1 (m)					12,260	12,340	12,260				
Cota Camada 3 (m)					12,180	12,260	12,180				
Cota Camada 6 (m)					12,140	12,220	12,140				
Cota Camada 7 (m)					12,020	12,100	12,020				
Cota (m):	12,152	12,453	12,158	11,862	11,870	11,950	11,870	11,862	12,158	12,190	
E:	709.406,2902	709.405,8399	709.404,0742	709.404,0742	709.403,6764	709.399,6801	709.395,6837	709.395,2861	709.395,2861	709.393,6708	
N:	7.089.974,9262	7.089.974,9071	7.089.974,8323	7.089.974,8323	7.089.974,8154	7.089.974,6461	7.089.974,4767	7.089.974,4599	7.089.974,4599	7.089.974,3914	
Station: 18+0											
Dist. Eixo (m):	-6,545	-6,105	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,024	
Cota Camada 1 (m)					12,148	12,228	12,148				
Cota Camada 3 (m)					12,068	12,148	12,068				
Cota Camada 6 (m)					12,028	12,108	12,028				
Cota Camada 7 (m)					11,908	11,988	11,908				
Cota (m):	12,046	12,340	12,046	11,750	11,758	11,838	11,758	11,750	12,046	12,079	
E:	709.406,6429	709.406,2025	709.404,4976	709.404,4976	709.404,0998	709.400,1034	709.396,1071	709.395,7095	709.395,7095	709.394,0845	
N:	7.089.964,9322	7.089.964,9135	7.089.964,8413	7.089.964,8413	7.089.964,8244	7.089.964,6551	7.089.964,4857	7.089.964,4689	7.089.964,4689	7.089.964,4000	
Station: 18+10											
Dist. Eixo (m):	-6,555	-6,044	-4,398	-4,398	-4,000	0,000	4,000	4,398	4,398	6,002	
Cota Camada 1 (m)					12,037	12,117	12,037				
Cota Camada 3 (m)					11,957	12,037	11,957				
Cota Camada 6 (m)					11,917	11,997	11,917				
Cota Camada 7 (m)					11,797	11,877	11,797				
Cota (m):	11,887	12,227	11,935	11,639	11,647	11,727	11,647	11,639	11,935	11,967	
E:	709.407,0758	709.406,5650	709.404,9209	709.404,9209	709.404,5231	709.400,5268	709.396,5305	709.396,1329	709.396,1329	709.394,5298	
N:	7.089.954,9415	7.089.954,9199	7.089.954,8502	7.089.954,8502	7.089.954,8334	7.089.954,6640	7.089.954,4947	7.089.954,4778	7.089.954,4778	7.089.954,4099	
Station: 19+0											
Dist. Eixo (m):		-9,217	-6,502	-6,502	-6,104	0,000	5,297	5,695	5,695	7,926	
Cota Camada 1 (m)					11,883	12,005	11,899				
Cota Camada 3 (m)					11,803	11,925	11,819				
Cota Camada 6 (m)					11,763	11,885	11,779				
Cota Camada 7 (m)					11,643	11,765	11,659				
Cota (m):		12,095	11,781	11,485	11,493	11,615	11,509	11,501	11,797	11,842	
E:		709.410,1586	709.407,4469	709.407,4469	709.407,0491	709.400,9502	709.395,6577	709.395,2601	709.395,2601	709.393,0309	
N:		7.089.945,0632	7.089.944,9483	7.089.944,9483	7.089.944,9314	7.089.944,6730	7.089.944,4487	7.089.944,4319	7.089.944,4319	7.089.944,3374	
Station: 19+2											
Dist. Eixo (m):		-12,507	-10,161	-10,161	-9,763	0,000	5,000	5,398	5,398	6,200	
Cota Camada 1 (m)					11,785	11,980	11,880				
Cota Camada 3 (m)					11,705	11,900	11,800				
Cota Camada 6 (m)					11,665	11,860	11,760				
Cota Camada 7 (m)					11,545	11,740	11,640				
Cota (m):		11,989	11,683	11,387	11,395	11,590	11,490	11,482	11,778	11,794	
E:		709.413,5422	709.411,1981	709.411,1981	709.410,8003	709.401,0465	709.396,0509	709.395,6533	709.395,6533	709.394,8520	
N:		7.089.942,9314	7.089.942,8320	7.089.942,8320	7.089.942,8152	7.089.942,4018	7.089.942,1902	7.089.942,1733	7.089.942,1733	7.089.942,1394	

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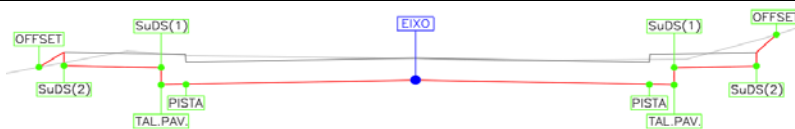
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):		-5,270	-4,413	-4,413	-4,041	0,000	5,290				
Cota Camada 1 (m)					16,746	16,820	17,110				
Cota Camada 3 (m)					16,666	16,740	17,030				
Cota Camada 6 (m)					16,626	16,700	16,990				
Cota Camada 7 (m)					16,506	16,580	16,870				
Cota (m):		16,642	16,625	16,349	16,356	16,430	16,720				
E:		709.298,6155	709.297,7594	709.297,7594	709.297,3876	709.293,3522	709.288,0692				
N:		7.090.568,6589	7.090.568,6149	7.090.568,6149	7.090.568,5958	7.090.568,3883	7.090.568,1166				
Station: 0+10											
Dist. Eixo (m):		-4,895	-3,781	-3,781	-3,383	0,000	3,381	3,779	3,779	4,914	
Cota Camada 1 (m)					17,090	17,158	17,090				
Cota Camada 3 (m)					17,010	17,078	17,010				
Cota Camada 6 (m)					16,970	17,038	16,970				
Cota Camada 7 (m)					16,850	16,918	16,850				
Cota (m):		17,010	16,988	16,692	16,700	16,768	16,700	16,692	16,988	17,011	
E:		709.298,7525	709.297,6400	709.297,6400	709.297,2424	709.293,8640	709.290,4876	709.290,0902	709.290,0902	709.288,9568	
N:		7.090.568,6875	7.090.568,6303	7.090.568,6303	7.090.568,6099	7.090.568,4361	7.090.568,2625	7.090.568,2421	7.090.568,2421	7.090.568,1838	
Station: 1+0											
Dist. Eixo (m):		-4,756	-3,651	-3,651	-3,252	0,000	3,251	3,648	3,648	4,813	
Cota Camada 1 (m)					17,440	17,505	17,440				
Cota Camada 3 (m)					17,360	17,425	17,360				
Cota Camada 6 (m)					17,320	17,385	17,320				
Cota Camada 7 (m)					17,200	17,265	17,200				
Cota (m):		17,360	17,338	17,042	17,050	17,115	17,050	17,042	17,338	17,361	
E:		709.299,1276	709.298,0233	709.298,0233	709.297,6257	709.294,3776	709.291,1314	709.290,7340	709.290,7340	709.289,5706	
N:		7.090.548,6936	7.090.548,6368	7.090.548,6368	7.090.548,6164	7.090.548,4493	7.090.548,2824	7.090.548,2619	7.090.548,2619	7.090.548,2021	
Station: 1+10											
Dist. Eixo (m):		-4,548	-3,520	-3,520	-3,122	0,000	3,120	3,518	3,518	4,658	
Cota Camada 1 (m)					17,950	18,012	17,950				
Cota Camada 3 (m)					17,870	17,932	17,870				
Cota Camada 6 (m)					17,830	17,892	17,830				
Cota Camada 7 (m)					17,710	17,772	17,710				
Cota (m):		17,869	17,848	17,552	17,560	17,622	17,560	17,552	17,847	17,870	
E:		709.299,4333	709.298,4066	709.298,4066	709.298,0090	709.294,8912	709.291,7751	709.291,3777	709.291,3777	709.290,2398	
N:		7.090.538,6961	7.090.538,6433	7.090.538,6433	7.090.538,6229	7.090.538,4625	7.090.538,3023	7.090.538,2818	7.090.538,2818	7.090.538,2233	
Station: 2+0											
Dist. Eixo (m):	-4,337	-4,310	-3,390	-3,390	-2,991	0,000	2,990	3,388	3,388	4,453	
Cota Camada 1 (m)					18,670	18,730	18,670				
Cota Camada 3 (m)					18,590	18,650	18,590				
Cota Camada 6 (m)					18,550	18,610	18,550				
Cota Camada 7 (m)					18,430	18,490	18,430				
Cota (m):	18,874	18,586	18,568	18,272	18,280	18,340	18,280	18,272	18,568	18,589	
E:	709.299,7361	709.299,7089	709.298,7899	709.298,7899	709.298,3923	709.295,4048	709.292,4189	709.292,0214	709.292,0214	709.290,9572	
N:	7.090.528,6985	7.090.528,6971	7.090.528,6498	7.090.528,6498	7.090.528,6294	7.090.528,4757	7.090.528,3222	7.090.528,3017	7.090.528,3017	7.090.528,2470	
Station: 2+10											
Dist. Eixo (m):	-4,776	-4,227	-3,259	-3,259	-2,861	0,000	2,860	3,258	3,258	4,299	
Cota Camada 1 (m)					19,449	19,506	19,449				
Cota Camada 3 (m)					19,369	19,426	19,369				
Cota Camada 6 (m)					19,329	19,386	19,329				
Cota Camada 7 (m)					19,209	19,266	19,209				
Cota (m):	19,260	19,366	19,347	19,051	19,059	19,116	19,059	19,051	19,347	19,368	
E:	709.300,6885	709.300,1401	709.299,1732	709.299,1732	709.298,7756	709.295,9184	709.293,0626	709.292,6652	709.292,6652	709.291,6250	
N:	7.090.518,7342	7.090.518,7060	7.090.518,6563	7.090.518,6563	7.090.518,6359	7.090.518,4889	7.090.518,3421	7.090.518,3216	7.090.518,3216	7.090.518,2681	
Station: 3+0											
Dist. Eixo (m):	-4,114	-3,129	-3,129	-2,730	0,000	2,729	3,127	3,127	4,201		
Cota Camada 1 (m)					20,228	20,283	20,228				
Cota Camada 3 (m)					20,148	20,203	20,148				
Cota Camada 6 (m)					20,108	20,163	20,108				
Cota Camada 7 (m)					19,988	20,043	19,988				
Cota (m):	20,146	20,126	19,830	19,838	19,838	19,893	19,838	19,830	20,126	20,147	
E:	709.300,5411	709.299,5565	709.299,5565	709.299,1588	709.299,1588	709.296,4320	709.293,7064	709.293,3089	709.293,3089	709.292,2364	
N:	7.090.508,7134	7.090.508,6628	7.090.508,6628	7.090.508,6424	7.090.508,6424	7.090.508,5021	7.090.508,3619	7.090.508,3415	7.090.508,3415	7.090.508,2863	
Station: 3+10											
Dist. Eixo (m):	-3,931	-2,998	-2,998	-2,600	0,000	2,599	2,997	2,997	3,814		
Cota Camada 1 (m)					21,007	21,059	21,007				
Cota Camada 3 (m)					20,927	20,979	20,927				
Cota Camada 6 (m)					20,887	20,939	20,887				
Cota Camada 7 (m)					20,767	20,819	20,767				
Cota (m):	20,924	20,905	20,609	20,617	20,617	20,669	20,617	20,609	20,905	20,921	
E:	709.300,8714	709.299,9398	709.299,9398	709.299,5421	709.299,5421	709.296,9456	709.294,3501	709.293,9527	709.293,9527	709.293,1368	
N:	7.090.498,7172	7.090.498,6693	7.090.498,6693	7.090.498,6489	7.090.498,6489	7.090.498,5153	7.090.498,3818	7.090.498,3614	7.090.498,3614	7.090.498,3194	
Station: 4+0											
Dist. Eixo (m):	-3,901	-3,742	-2,868	-2,868	-2,469	0,000	2,469	2,867	2,867	3,947	
Cota Camada 1 (m)					21,771	21,820	21,771				
Cota Camada 3 (m)					21,691	21,740	21,691				
Cota Camada 6 (m)					21,651	21,700	21,651				
Cota Camada 7 (m)					21,531	21,580	21,531				
Cota (m):	21,840	21,686	21,669	21,373	21,381	21,430	21,381	21,373	21,668	21,690	
E:	709.301,3555	709.301,1959	709.300,3230	709.300,3230	709.299,9254	709.297,4592	709.294,9939	709.294,5964	709.294,5964	709.293,5176	
N:	7.090.488,7289	7.090.488,7207	7.090.488,6758	7.090.488,6758	7.090.488,6553	7.090.488,5285	7.090.488,4017	7.090.488,3813	7.090.488,3813	7.090.488,3258	

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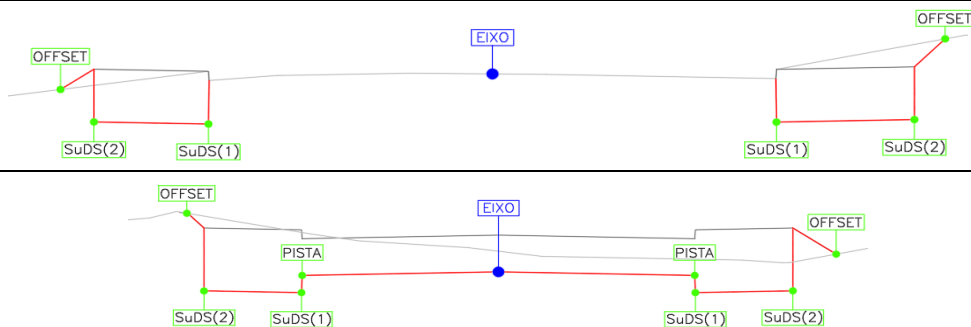
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 4+7											
Dist. Eixo (m):	-3,743	-3,573	-2,771	-2,771	-2,373	0,000	2,372	2,770	2,770	3,572	
Cota Camada 1 (m)					22,223	22,270	22,223				
Cota Camada 3 (m)					22,143	22,190	22,143				
Cota Camada 6 (m)					22,103	22,150	22,103				
Cota Camada 7 (m)					21,983	22,030	21,983				
Cota (m):	22,283	22,136	22,120	21,825	21,833	21,880	21,833	21,825	22,120	22,136	
E:	709.301,5767	709.301,4071	709.300,6061	709.300,6061	709.300,2084	709.297,8385	709.295,4692	709.295,0718	709.295,0718	709.294,2708	
N:	7.090.481,3465	7.090.481,3378	7.090.481,2966	7.090.481,2966	7.090.481,2761	7.090.481,1542	7.090.481,0324	7.090.481,0119	7.090.481,0119	7.090.480,9708	

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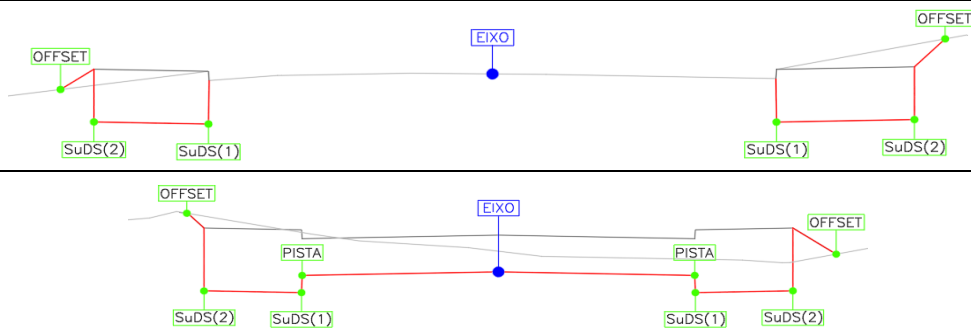
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0									
Dist. Eixo (m):		-11,067	-10,484		0,000		5,010	6,200	
Cota (m):		11,728	11,717				11,826	11,850	
E:		709.660,2420	709.660,2594		709.660,5741		709.660,7244	709.660,7601	
N:		7.090.032,7701	7.090.032,1875		7.090.021,7081		7.090.016,7003	7.090.015,5109	
Station: 0+10									
Dist. Eixo (m):		-7,661	-4,807		0,000		5,095	8,234	
Cota (m):		11,802	11,745				11,739	11,802	
E:		709.670,3397	709.670,4253		709.670,5696		709.670,7225	709.670,8167	
N:		7.090.029,6659	7.090.026,8134		7.090.022,0082		7.090.016,9151	7.090.013,7781	
Station: 1+0									
Dist. Eixo (m):		-7,736	-4,793		0,000		5,103	8,183	
Cota (m):		11,771	11,713				11,706	11,768	
E:		709.680,3329	709.680,4212		709.680,5651		709.680,7182	709.680,8106	
N:		7.090.030,0407	7.090.027,0989		7.090.022,3083		7.090.017,2080	7.090.014,1292	
Station: 1+10									
Dist. Eixo (m):		-7,711	-4,779		0,000		5,110	8,131	
Cota (m):		11,736	11,678				11,671	11,731	
E:		709.690,3292	709.690,4171		709.690,5606		709.690,7139	709.690,8046	
N:		7.090.030,3160	7.090.027,3853		7.090.022,6084		7.090.017,5009	7.090.014,4811	
Station: 2+0									
Dist. Eixo (m):		-7,686	-4,777		0,000		5,117	8,000	
Cota (m):		11,683	11,625				11,618	11,675	
E:		709.700,3254	709.700,4127		709.700,5561		709.700,7096	709.700,7962	
N:		7.090.030,5913	7.090.027,6836		7.090.022,9085		7.090.017,7938	7.090.014,9120	
Station: 2+10									
Dist. Eixo (m):		-7,676	-4,775		0,000		5,124	7,934	
Cota (m):		11,599	11,541				11,534	11,590	
E:		709.710,3212	709.710,4082		709.710,5516		709.710,7053	709.710,7897	
N:		7.090.030,8815	7.090.027,9819		7.090.023,2086		7.090.018,0867	7.090.015,2785	
Station: 3+0									
Dist. Eixo (m):		-7,728	-4,774		0,000		5,135	7,953	
Cota (m):		11,516	11,457				11,450	11,507	
E:		709.720,3151	709.720,4038		709.720,5471		709.720,7012	709.720,7857	
N:		7.090.031,2334	7.090.028,2802		7.090.023,5087		7.090.018,3758	7.090.015,5590	
Station: 3+10									
Dist. Eixo (m):		-7,187	-4,772		0,000		5,147	7,970	
Cota (m):		11,428	11,379				11,372	11,428	
E:		709.730,3269	709.730,3993		709.730,5426		709.730,6970	709.730,7817	
N:		7.090.030,9922	7.090.028,5785		7.090.023,8088		7.090.018,6646	7.090.015,8425	
Station: 4+0									
Dist. Eixo (m):		-6,875	-4,775		0,000		5,158	7,965	
Cota (m):		11,325	11,283				11,276	11,332	
E:		709.740,3317	709.740,3948		709.740,5380		709.740,6928	709.740,7771	
N:		7.090.030,9808	7.090.028,8816		7.090.024,1089		7.090.018,9534	7.090.016,1474	
Station: 4+10									
Dist. Eixo (m):		-6,856	-4,792		0,000		5,169	7,961	
Cota (m):		11,243	11,202				11,194	11,250	
E:		709.750,3278	709.750,3897		709.750,5335		709.750,6887	709.750,7725	
N:		7.090.031,2620	7.090.029,1994		7.090.024,4090		7.090.019,2423	7.090.016,4513	
Station: 5+0									
Dist. Eixo (m):		-6,976	-4,810		0,000		5,152	7,937	
Cota (m):		11,148	11,104				11,098	11,153	
E:		709.760,3197	709.760,3847		709.760,5290		709.760,6837	709.760,7672	
N:		7.090.031,6817	7.090.029,5171		7.090.024,7091		7.090.019,5595	7.090.016,7757	

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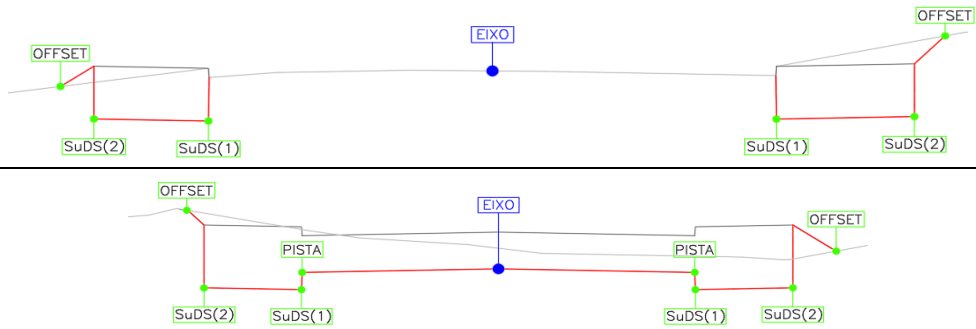
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 5+10									
Dist. Eixo (m):		-6,922	-4,828		0,000		5,124	7,970	
Cota (m):		11,056	11,014				11,009	11,065	
E:		709.770,3168	709.770,3796		709.770,5245		709.770,6783	709.770,7637	
N:		7.090.031,9277	7.090.029,8349		7.090.025,0092		7.090.019,8880	7.090.017,0432	
Station: 6+0									
Dist. Eixo (m):		-6,938	-4,851		0,000		5,095	7,992	
Cota (m):		11,037	10,996				10,991	11,049	
E:		709.780,3118	709.780,3745		709.780,5200		709.780,6729	709.780,7599	
N:		7.090.032,2441	7.090.030,1581		7.090.025,3093		7.090.020,2166	7.090.017,3210	
Station: 6+10									
Dist. Eixo (m):		-6,903	-4,882		0,000		5,067	8,060	
Cota (m):		11,017	10,976				10,973	11,033	
E:		709.790,3084	709.790,3690		709.790,5155		709.790,6676	709.790,7574	
N:		7.090.032,5094	7.090.030,4895		7.090.025,6095		7.090.020,5443	7.090.017,5533	
Station: 7+0									
Dist. Eixo (m):		-6,765	-4,914		0,000		5,040	8,041	
Cota (m):		11,000	10,963				10,961	11,021	
E:		709.800,3080	709.800,3636		709.800,5110		709.800,6623	709.800,7523	
N:		7.090.032,6718	7.090.030,8210		7.090.025,9096		7.090.020,8721	7.090.017,8720	
Station: 7+10									
Dist. Eixo (m):		-6,804	-4,945		0,000		5,024	7,878	
Cota (m):		10,989	10,952				10,951	11,008	
E:		709.810,3023	709.810,3581		709.810,5065		709.810,6573	709.810,7429	
N:		7.090.033,0103	7.090.031,1524		7.090.026,2097		7.090.021,1880	7.090.018,3354	
Station: 8+0									
Dist. Eixo (m):		-6,891	-4,976		0,000		5,016	7,869	
Cota (m):		10,916	10,878				10,877	10,934	
E:		709.820,2952	709.820,3527		709.820,5020		709.820,6526	709.820,7382	
N:		7.090.033,3979	7.090.031,4839		7.090.026,5098		7.090.021,4956	7.090.018,6444	
Station: 8+10									
Dist. Eixo (m):		-6,969	-4,995		0,000		5,009	7,920	
Cota (m):		10,827	10,787				10,787	10,845	
E:		709.830,2884	709.830,3476		709.830,4975		709.830,6478	709.830,7352	
N:		7.090.033,7755	7.090.031,8030		7.090.026,8099		7.090.021,8032	7.090.018,8929	
Station: 9+0									
Dist. Eixo (m):		-7,172	-5,010		0,000		5,001	7,964	
Cota (m):		10,774	10,730				10,731	10,790	
E:		709.840,2778	709.840,3427		709.840,4930		709.840,6431	709.840,7320	
N:		7.090.034,2790	7.090.032,1178		7.090.027,1100		7.090.022,1108	7.090.019,1495	
Station: 10+2									
Dist. Eixo (m):		-12,977	-12,611	-12,604	0,000	12,716	12,726	13,064	
Cota Camada 1 (m)				10,985	11,027	10,867			
Cota Camada 3 (m)				10,905	10,947	10,787			
Cota Camada 6 (m)				10,865	10,907	10,747			
Cota Camada 7 (m)				10,745	10,787	10,627			
Cota (m):		10,589	10,582	10,595	10,637	10,477	10,457	10,463	
E:		709.862,2253	709.862,2370	709.862,2372	709.862,6401	709.863,0466	709.863,0469	709.863,0577	
N:		7.090.040,7692	7.090.040,4032	7.090.040,3965	7.090.027,7986	7.090.015,0894	7.090.015,0794	7.090.014,7412	
Station: 10+10									
Dist. Eixo (m):		-7,508	-5,010	-5,000	0,000	5,004	5,014	7,809	
Cota Camada 1 (m)				10,773	10,873	10,772			
Cota Camada 3 (m)				10,693	10,793	10,692			
Cota Camada 6 (m)				10,653	10,753	10,652			
Cota Camada 7 (m)				10,533	10,633	10,532			
Cota (m):		10,413	10,363	10,383	10,483	10,382	10,362	10,418	
E:		709.870,2383	709.870,3181	709.870,3184	709.870,4783	709.870,6382	709.870,6386	709.870,7279	
N:		7.090.035,5531	7.090.033,0572	7.090.033,0472	7.090.028,0493	7.090.023,0480	7.090.023,0380	7.090.020,2448	

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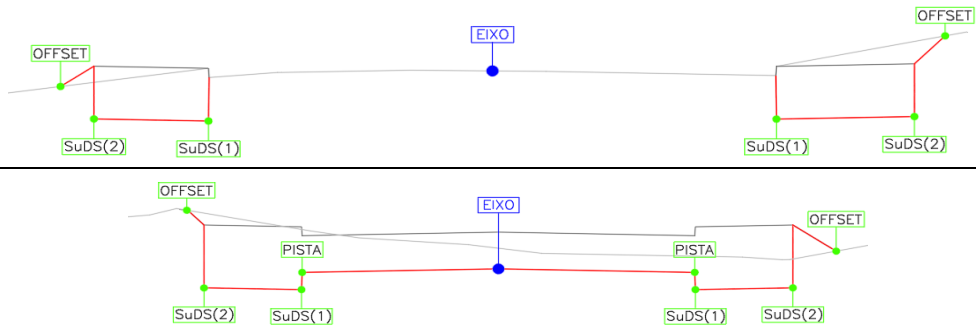
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 11+0									
Dist. Eixo (m):		-7,494	-5,125	-5,115	0,000	4,886	4,896	7,448	
Cota Camada 1 (m)				10,635	10,737	10,639			
Cota Camada 3 (m)				10,555	10,657	10,559			
Cota Camada 6 (m)				10,515	10,617	10,519			
Cota Camada 7 (m)				10,395	10,497	10,399			
Cota (m):		10,272	10,225	10,245	10,347	10,249	10,229	10,280	
E:		709.880,2336	709.880,3093	709.880,3097	709.880,4732	709.880,6294	709.880,6297	709.880,7113	
N:		7.090.035,8587	7.090.033,4913	7.090.033,4813	7.090.028,3690	7.090.023,4857	7.090.023,4757	7.090.020,9245	
Station: 11+10									
Dist. Eixo (m):		-7,622	-5,243	-5,233	0,000	4,768	4,778	7,366	
Cota Camada 1 (m)				10,585	10,689	10,594			
Cota Camada 3 (m)				10,505	10,609	10,514			
Cota Camada 6 (m)				10,465	10,569	10,474			
Cota Camada 7 (m)				10,345	10,449	10,354			
Cota (m):		10,222	10,175	10,195	10,299	10,204	10,184	10,236	
E:		709.890,2244	709.890,3005	709.890,3008	709.890,4681	709.890,6205	709.890,6208	709.890,7035	
N:		7.090.036,3064	7.090.033,9290	7.090.033,9190	7.090.028,6887	7.090.023,9234	7.090.023,9134	7.090.021,3262	
Station: 12+0									
Dist. Eixo (m):		-7,747	-5,333	-5,323	0,000	4,675	4,685	7,371	
Cota Camada 1 (m)				10,563	10,670	10,576			
Cota Camada 3 (m)				10,483	10,590	10,496			
Cota Camada 6 (m)				10,443	10,550	10,456			
Cota Camada 7 (m)				10,323	10,430	10,336			
Cota (m):		10,201	10,153	10,173	10,280	10,186	10,166	10,220	
E:		709.900,2153	709.900,2925	709.900,2928	709.900,4630	709.900,6124	709.900,6127	709.900,6986	
N:		7.090.036,7514	7.090.034,3383	7.090.034,3283	7.090.029,0083	7.090.024,3353	7.090.024,3253	7.090.021,6413	
Station: 12+10									
Dist. Eixo (m):		-7,828	-5,226	-5,216	0,000	4,783	4,793	7,408	
Cota Camada 1 (m)				10,545	10,650	10,554			
Cota Camada 3 (m)				10,465	10,570	10,474			
Cota Camada 6 (m)				10,425	10,530	10,434			
Cota Camada 7 (m)				10,305	10,410	10,314			
Cota (m):		10,187	10,135	10,155	10,260	10,164	10,144	10,196	
E:		709.910,2076	709.910,2908	709.910,2911	709.910,4578	709.910,6107	709.910,6111	709.910,6947	
N:		7.090.037,1515	7.090.034,5509	7.090.034,5409	7.090.029,3280	7.090.024,5472	7.090.024,5372	7.090.021,9235	
Station: 13+0									
Dist. Eixo (m):		-7,908	-5,118	-5,108	0,000	4,891	4,901	7,497	
Cota Camada 1 (m)				10,527	10,630	10,532			
Cota Camada 3 (m)				10,447	10,550	10,452			
Cota Camada 6 (m)				10,407	10,510	10,412			
Cota Camada 7 (m)				10,287	10,390	10,292			
Cota (m):		10,173	10,117	10,137	10,240	10,142	10,122	10,174	
E:		709.920,1999	709.920,2891	709.920,2894	709.920,4527	709.920,6091	709.920,6094	709.920,6924	
N:		7.090.037,5516	7.090.034,7635	7.090.034,7535	7.090.029,6477	7.090.024,7592	7.090.024,7492	7.090.022,1546	
Station: 13+10									
Dist. Eixo (m):		-8,053	-5,032	-5,022	0,000	4,978	4,988	7,481	
Cota Camada 1 (m)				10,509	10,610	10,510			
Cota Camada 3 (m)				10,429	10,530	10,430			
Cota Camada 6 (m)				10,389	10,490	10,390			
Cota Camada 7 (m)				10,269	10,370	10,270			
Cota (m):		10,160	10,099	10,119	10,220	10,120	10,100	10,150	
E:		709.930,1902	709.930,2868	709.930,2871	709.930,4476	709.930,6067	709.930,6071	709.930,6868	
N:		7.090.038,0163	7.090.034,9969	7.090.034,9869	7.090.029,9673	7.090.024,9920	7.090.024,9820	7.090.022,4899	

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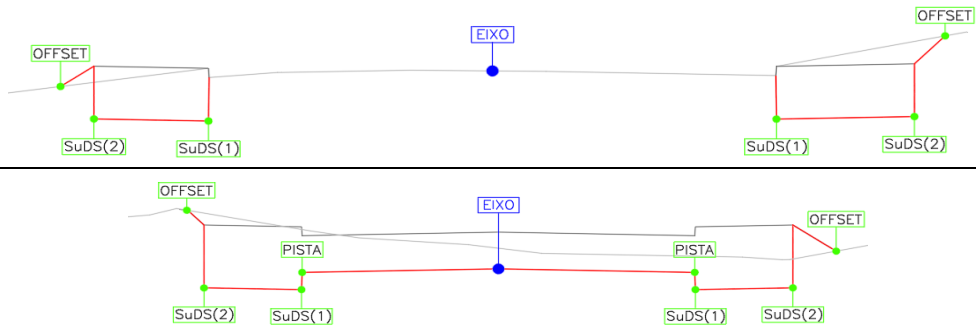
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 14+0									
Dist. Eixo (m):		-8,156	-5,030	-5,020	0,000	4,980	4,990	7,599	
Cota Camada 1 (m)				10,489	10,590	10,490			
Cota Camada 3 (m)				10,409	10,510	10,410			
Cota Camada 6 (m)				10,369	10,470	10,370			
Cota Camada 7 (m)				10,249	10,350	10,250			
Cota (m):		10,142	10,079	10,099	10,200	10,100	10,080	10,132	
E:		709.940,1818	709.940,2817	709.940,2820	709.940,4425	709.940,6017	709.940,6020	709.940,6854	
N:		7.090.038,4386	7.090.035,3142	7.090.035,3042	7.090.030,2870	7.090.025,3094	7.090.025,2994	7.090.022,6921	
Station: 14+10									
Dist. Eixo (m):		-8,148	-5,028	-5,018	0,000	4,982	4,992	7,785	
Cota Camada 1 (m)				10,469	10,570	10,470			
Cota Camada 3 (m)				10,389	10,490	10,390			
Cota Camada 6 (m)				10,349	10,450	10,350			
Cota Camada 7 (m)				10,229	10,330	10,230			
Cota (m):		10,122	10,059	10,079	10,180	10,080	10,060	10,116	
E:		709.950,1769	709.950,2767	709.950,2770	709.950,4374	709.950,5967	709.950,5970	709.950,6862	
N:		7.090.038,7506	7.090.035,6316	7.090.035,6216	7.090.030,6066	7.090.025,6267	7.090.025,6167	7.090.022,8260	
Station: 15+0									
Dist. Eixo (m):		-8,140	-5,025	-5,015	0,000	4,985	4,995	7,785	
Cota Camada 1 (m)				10,449	10,550	10,450			
Cota Camada 3 (m)				10,369	10,470	10,370			
Cota Camada 6 (m)				10,329	10,430	10,330			
Cota Camada 7 (m)				10,209	10,310	10,210			
Cota (m):		10,102	10,039	10,059	10,160	10,060	10,040	10,096	
E:		709.960,1721	709.960,2716	709.960,2720	709.960,4323	709.960,5916	709.960,5920	709.960,6811	
N:		7.090.039,0626	7.090.035,9490	7.090.035,9390	7.090.030,9263	7.090.025,9441	7.090.025,9341	7.090.023,1454	
Station: 15+10									
Dist. Eixo (m):		-8,116	-5,023	-5,013	0,000	4,987	4,997	7,802	
Cota Camada 1 (m)				10,429	10,530	10,430			
Cota Camada 3 (m)				10,349	10,450	10,350			
Cota Camada 6 (m)				10,309	10,410	10,310			
Cota Camada 7 (m)				10,189	10,290	10,190			
Cota (m):		10,081	10,019	10,039	10,140	10,040	10,020	10,076	
E:		709.970,1677	709.970,2666	709.970,2669	709.970,4272	709.970,5866	709.970,5869	709.970,6766	
N:		7.090.039,3577	7.090.036,2664	7.090.036,2564	7.090.031,2460	7.090.026,2615	7.090.026,2515	7.090.023,4480	
Station: 16+0									
Dist. Eixo (m):		-8,151	-5,021	-5,011	0,000	4,989	4,999	7,696	
Cota Camada 1 (m)				10,409	10,510	10,410			
Cota Camada 3 (m)				10,329	10,430	10,330			
Cota Camada 6 (m)				10,289	10,390	10,290			
Cota Camada 7 (m)				10,169	10,270	10,170			
Cota (m):		10,062	9,999	10,019	10,120	10,020	10,000	10,054	
E:		709.980,1615	709.980,2616	709.980,2619	709.980,4221	709.980,5816	709.980,5819	709.980,6681	
N:		7.090.039,7123	7.090.036,5838	7.090.036,5738	7.090.031,5656	7.090.026,5789	7.090.026,5689	7.090.023,8739	
Station: 16+10									
Dist. Eixo (m):		-8,198	-5,018	-5,008	0,000	4,992	5,002	7,546	
Cota Camada 1 (m)				10,390	10,490	10,390			
Cota Camada 3 (m)				10,310	10,410	10,310			
Cota Camada 6 (m)				10,270	10,370	10,270			
Cota Camada 7 (m)				10,150	10,250	10,150			
Cota (m):		10,043	9,980	10,000	10,100	10,000	9,980	10,031	
E:		709.990,1549	709.990,2565	709.990,2569	709.990,4170	709.990,5765	709.990,5768	709.990,6582	
N:		7.090.040,0793	7.090.036,9011	7.090.036,8911	7.090.031,8853	7.090.026,8963	7.090.026,8863	7.090.024,3434	

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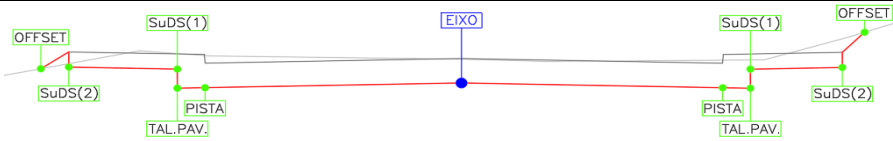
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 17+0									
Dist. Eixo (m):		-8,076	-5,016	-5,006	0,000	4,994	5,004	7,577	
Cota Camada 1 (m)				10,370	10,470	10,370			
Cota Camada 3 (m)				10,290	10,390	10,290			
Cota Camada 6 (m)				10,250	10,350	10,250			
Cota Camada 7 (m)				10,130	10,230	10,130			
Cota (m):		10,021	9,960	9,980	10,080	9,980	9,960	10,011	
E:		710.000,1537	710.000,2515	710.000,2518	710.000,4118	710.000,5715	710.000,5718	710.000,6540	
N:		7.090.040,2771	7.090.037,2185	7.090.037,2085	7.090.032,2050	7.090.027,2136	7.090.027,2036	7.090.024,6323	
Station: 17+10									
Dist. Eixo (m):		-7,974	-5,014	-5,004	0,000	4,996	5,006	7,502	
Cota Camada 1 (m)				10,350	10,450	10,350			
Cota Camada 3 (m)				10,270	10,370	10,270			
Cota Camada 6 (m)				10,230	10,330	10,230			
Cota Camada 7 (m)				10,110	10,210	10,110			
Cota (m):		9,999	9,940	9,960	10,060	9,960	9,940	9,990	
E:		710.010,1518	710.010,2465	710.010,2468	710.010,4067	710.010,5664	710.010,5668	710.010,6466	
N:		7.090.040,4944	7.090.037,5359	7.090.037,5259	7.090.032,5246	7.090.027,5310	7.090.027,5210	7.090.025,0262	
Station: 18+0									
Dist. Eixo (m):		-8,017	-5,012	-5,002	0,000	4,998	5,008	7,388	
Cota Camada 1 (m)				10,357	10,457	10,357			
Cota Camada 3 (m)				10,277	10,377	10,277			
Cota Camada 6 (m)				10,237	10,337	10,237			
Cota Camada 7 (m)				10,117	10,217	10,117			
Cota (m):		10,007	9,947	9,967	10,067	9,967	9,947	9,994	
E:		710.020,1454	710.020,2414	710.020,2417	710.020,4016	710.020,5614	710.020,5617	710.020,6378	
N:		7.090.040,8568	7.090.037,8533	7.090.037,8433	7.090.032,8443	7.090.027,8484	7.090.027,8384	7.090.025,4605	
Station: 18+6									
Dist. Eixo (m):		-8,046	-5,010	-5,000	0,000	5,000	5,010		
Cota Camada 1 (m)				10,426	10,526	10,426			
Cota Camada 3 (m)				10,346	10,446	10,346			
Cota Camada 6 (m)				10,306	10,406	10,306			
Cota Camada 7 (m)				10,186	10,286	10,186			
Cota (m):		10,637	10,016	10,036	10,136	10,036	10,016		
E:		710.026,9182	710.027,0152	710.027,0155	710.027,1753	710.027,3352	710.027,3355		
N:		7.090.041,1025	7.090.038,0684	7.090.038,0584	7.090.033,0609	7.090.028,0635	7.090.028,0535		

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NOTA DE SERVIÇO
RUA PETRONILHA S. FORTUNATO T1

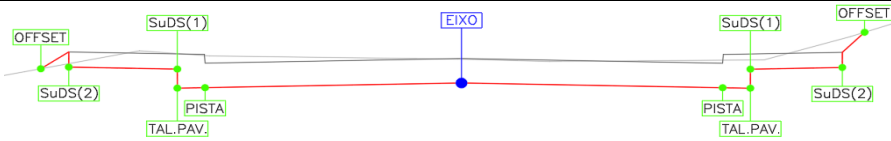
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 0+10											
Dist. Eixo (m):	-8,315	-7,943	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	7,957	
Cota (m):	11,043	10,671	10,360	10,064	10,072	10,172	10,072	10,064	10,360	10,411	
E:	709.859,2815	709.858,9098	709.856,3658	709.856,3658	709.855,9679	709.850,9700	709.845,9721	709.845,5744	709.845,5744	709.843,0167	
N:	7.090.241,2351	7.090.241,2242	7.090.241,1495	7.090.241,1495	7.090.241,1379	7.090.240,9912	7.090.240,8446	7.090.240,8329	7.090.240,8329	7.090.240,7579	
Station: 1+0											
Dist. Eixo (m):	-8,021	-7,879	-5,163	-5,163	-4,765	0,000	5,000	5,398	5,398	8,106	
Cota (m):	10,936	10,795	10,480	10,185	10,193	10,288	10,188	10,180	10,476	10,530	
E:	709.859,2805	709.859,1390	709.856,4242	709.856,4242	709.856,0262	709.851,2633	709.846,2653	709.845,8675	709.845,8675	709.843,1607	
N:	7.090.231,2307	7.090.231,2266	7.090.231,1469	7.090.231,1469	7.090.231,1353	7.090.230,9955	7.090.230,8489	7.090.230,8372	7.090.230,8372	7.090.230,7578	
Station: 1+10											
Dist. Eixo (m):		-7,813	-5,225	-5,225	-4,827	0,000	5,000	5,398	5,398	8,124	
Cota (m):		10,890	10,578	10,282	10,290	10,387	10,287	10,279	10,574	10,629	
E:		709.859,3666	709.856,7791	709.856,7791	709.856,3811	709.851,5565	709.846,5585	709.846,1607	709.846,1607	709.843,4358	
N:		7.090.221,2290	7.090.221,1530	7.090.221,1530	7.090.221,1414	7.090.220,9998	7.090.220,8532	7.090.220,8415	7.090.220,8415	7.090.220,7616	
Station: 2+0											
Dist. Eixo (m):		-7,736	-5,286	-5,286	-4,888	0,000	5,000	5,398	5,398	8,072	
Cota (m):		10,692	10,643	10,347	10,355	10,453	10,353	10,345	10,641	10,694	
E:		709.859,5819	709.857,1340	709.857,1340	709.856,7360	709.851,8498	709.846,8517	709.846,4539	709.846,4539	709.843,7810	
N:		7.090.211,2310	7.090.211,1592	7.090.211,1592	7.090.211,1475	7.090.211,0041	7.090.210,8575	7.090.210,8458	7.090.210,8458	7.090.210,7674	
Station: 2+10											
Dist. Eixo (m):		-7,675	-5,348	-5,348	-4,950	0,000	5,000	5,398	5,398	7,988	
Cota (m):		10,737	10,691	10,395	10,403	10,502	10,402	10,394	10,690	10,742	
E:		709.859,8149	709.857,4889	709.857,4889	709.857,0909	709.852,1430	709.847,1448	709.846,7470	709.846,7470	709.844,1586	
N:		7.090.201,2335	7.090.201,1653	7.090.201,1653	7.090.201,1536	7.090.201,0084	7.090.200,8618	7.090.200,8501	7.090.200,8501	7.090.200,7742	
Station: 2+17											
Dist. Eixo (m):					-4,999	0,000	5,000	5,398	5,398	7,984	
Cota (m):					10,442	10,542	10,442	10,434	10,729	10,781	
E:					709.857,3741	709.852,3770	709.847,3788	709.846,9810	709.846,9810	709.844,3960	
N:					7.090.193,1784	7.090.193,0318	7.090.192,8851	7.090.192,8735	7.090.192,8735	7.090.192,7976	
Station: 3+0											
Dist. Eixo (m):					-5,031	0,000	5,304	5,702	5,702	8,595	
Cota (m):					10,451	10,552	10,446	10,438	10,733	10,791	
E:					709.857,4426	709.852,4122	709.847,1086	709.846,7107	709.846,7107	709.843,8182	
N:					7.090.191,0999	7.090.191,0122	7.090.190,9197	7.090.190,9127	7.090.190,9127	7.090.190,8623	
Station: 3+10											
Dist. Eixo (m):					-5,185	0,000	8,056				
Cota (m):					10,497	10,601	10,440				
E:					709.857,7704	709.852,5866	709.844,5321				
N:					7.090.181,1041	7.090.181,0137	7.090.180,8732				
Station: 4+0											
Dist. Eixo (m):					-5,338	0,000	7,114	7,512	7,512	11,112	
Cota (m):					10,544	10,651	10,508	10,500	10,796	10,868	
E:					709.858,0982	709.852,7610	709.845,6483	709.845,2504	709.845,2504	709.841,6511	
N:					7.090.171,1083	7.090.171,0152	7.090.170,8912	7.090.170,8842	7.090.170,8842	7.090.170,8215	
Station: 4+4											
Dist. Eixo (m):		-7,742	-5,398	-5,398	-4,999	0,000	5,018	5,416	5,416	7,830	
Cota (m):		10,906	10,859	10,563	10,571	10,671	10,571	10,563	10,859	10,907	
E:		709.860,5730	709.858,2292	709.858,2292	709.857,8311	709.852,8321	709.847,8153	709.847,4174	709.847,4174	709.845,0037	
N:		7.090.167,0685	7.090.167,0276	7.090.167,0276	7.090.167,0207	7.090.166,9335	7.090.166,8460	7.090.166,8391	7.090.166,8391	7.090.166,7970	
Station: 4+10											
Dist. Eixo (m):		-7,680	-5,397	-5,397	-4,999	0,000	5,001	5,399	5,399	7,658	
Cota (m):		10,934	10,888	10,592	10,600	10,700	10,600	10,592	10,888	10,933	
E:		709.860,6772	709.858,3950	709.858,3950	709.857,9970	709.853,0002	709.848,0010	709.847,6032	709.847,6032	709.845,3450	
N:		7.090.161,2364	7.090.161,1715	7.090.161,1715	7.090.161,1602	7.090.161,0182	7.090.160,8761	7.090.160,8648	7.090.160,8648	7.090.160,8007	
Station: 5+0											
Dist. Eixo (m):		-7,624	-5,396	-5,396	-4,998	0,000	5,002	5,400	5,400	7,580	
Cota (m):		10,982	10,938	10,642	10,650	10,750	10,650	10,642	10,937	10,981	
E:		709.860,9052	709.858,6779	709.858,6779	709.858,2799	709.853,2843	709.848,2839	709.847,8861	709.847,8861	709.845,7070	
N:		7.090.151,2388	7.090.151,1755	7.090.151,1755	7.090.151,1642	7.090.151,0223	7.090.150,8802	7.090.150,8688	7.090.150,8688	7.090.150,8069	
Station: 5+10											
Dist. Eixo (m):		-7,571	-5,395	-5,395	-4,996	0,000	5,004	5,401	5,401	7,619	
Cota (m):		11,013	10,969	10,673	10,681	10,781	10,681	10,673	10,969	11,013	
E:		709.861,1364	709.858,9608	709.858,9608	709.858,5628	709.853,5684	709.848,5669	709.848,1691	709.848,1691	709.845,9528	
N:		7.090.141,2414	7.090.141,1795	7.090.141,1795	7.090.141,1682	7.090.141,0263	7.090.140,8842	7.090.140,8728	7.090.140,8728	7.090.140,8099	
Station: 6+0											
Dist. Eixo (m):		-7,518	-5,393	-5,393	-4,995	0,000	5,005	5,403	5,403	7,545	
Cota (m):		11,007	10,964	10,669	10,677	10,776	10,676	10,668	10,964	11,007	
E:		709.861,3676	709.859,2437	709.859,2437	709.858,8457	709.853,8524	709.848,8498	709.848,4520	709.848,4520	709.846,3100	
N:		7.090.131,2439	7.090.131,1835	7.090.131,1835	7.090.131,1722	7.090.131,0303	7.090.130,8882	7.090.130,8769	7.090.130,8769	7.090.130,8160	
Station: 6+10											
Dist. Eixo (m):		-7,465	-5,392	-5,392	-4,994	0,000	5,006	5,404	5,404	7,452	
Cota (m):		10,983	10,941	10,646	10,654	10,754	10,653	10,645	10,941	10,982	
E:		709.861,5989	709.859,5266	709.859,5266	709.859,1286	709.854,1365	709.849,1327	709.848,7349	709.848,7349	709.846,6878	
N:		7.090.121,2464	7.090.121,1875	7.090.121,1875	7.090.121,1762	7.090.121,0344	7.090.120,8922	7.090.120,8809	7.090.120,8809	7.090.120,8227	
Station: 6+14											
Dist. Eixo (m):		-7,440	-5,390	-5,390	-4,992	0,000	5,005	5,403	5,403	6,205	
Cota (m):		10,972	10,931	10,636	10,644	10,743	10,643	10,635	10,931	10,947	
E:		709.861,7020	709.859,6527	709.859,6527	709.859,2547	709.854,2631	709.849,2597	709.848,8619	709.848,8619	709.846,0602	
N:		7.090.116,7897	7.090.116,7314	7.090.116,7314	7.090.116,7201	7.090.116,5783	7.090.116,4361	7.090.116,4248	7.090.116,4248	7.090.116,4020	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA PETRONILHA S. FORTUNATO T1

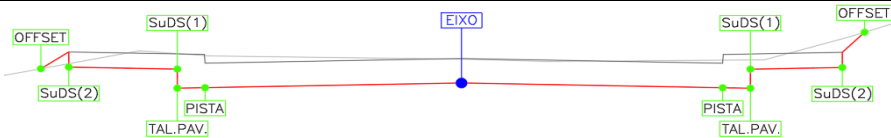
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 7+0											
Dist. Eixo (m):					-5,320	0,000	5,093				
Cota (m):					10,624	10,731	10,629				
E:					709.859,8552	709.854,5423	709.849,4554				
N:					7.090.111,3111	7.090.111,0432	7.090.110,7867				
Station: 7+10											
Dist. Eixo (m):					-5,162	0,000	5,251				
Cota (m):					10,605	10,708	10,603				
E:					709.860,2016	709.855,0459	709.849,8018				
N:					7.090.101,3159	7.090.101,0559	7.090.100,7914				
Station: 8+0											
Dist. Eixo (m):					-5,005	0,000	4,998				
Cota (m):					10,585	10,685	10,585				
E:					709.860,5479	709.855,5495	709.850,5578				
N:					7.090.091,3206	7.090.091,0686	7.090.090,8168				
Station: 8+10											
Dist. Eixo (m):		-7,950	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	8,000	
Cota (m):		10,901	10,850	10,554	10,562	10,662	10,562	10,554	10,850	10,902	
E:		709.863,8290	709.861,2788	709.861,2788	709.860,8809	709.855,8836	709.850,8863	709.850,4886	709.850,4886	709.847,8883	
N:		7.090.081,3362	7.090.081,2521	7.090.081,2521	7.090.081,2390	7.090.081,0742	7.090.080,9094	7.090.080,8963	7.090.080,8963	7.090.080,8106	
Station: 9+0											
Dist. Eixo (m):		-8,080	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	8,002	
Cota (m):		10,881	10,827	10,531	10,539	10,639	10,539	10,531	10,827	10,879	
E:		709.864,2885	709.861,6084	709.861,6084	709.861,2104	709.856,2132	709.851,2159	709.850,8181	709.850,8181	709.848,2154	
N:		7.090.071,3459	7.090.071,2575	7.090.071,2575	7.090.071,2444	7.090.071,0796	7.090.070,9148	7.090.070,9017	7.090.070,9017	7.090.070,8159	
Station: 9+10											
Dist. Eixo (m):		-8,255	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	8,005	
Cota (m):		10,861	10,804	10,508	10,516	10,616	10,516	10,509	10,804	10,856	
E:		709.864,7936	709.861,9379	709.861,9379	709.861,5400	709.856,5427	709.851,5454	709.851,1477	709.851,1477	709.848,5425	
N:		7.090.061,3571	7.090.061,2630	7.090.061,2630	7.090.061,2498	7.090.061,0851	7.090.060,9203	7.090.060,9072	7.090.060,9072	7.090.060,8213	
Station: 10+0											
Dist. Eixo (m):		-8,215	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	8,005	
Cota (m):		10,871	10,815	10,519	10,527	10,627	10,527	10,519	10,815	10,867	
E:		709.865,0831	709.862,2675	709.862,2675	709.861,8696	709.856,8723	709.851,8750	709.851,4773	709.851,4773	709.848,8716	
N:		7.090.051,3612	7.090.051,2684	7.090.051,2684	7.090.051,2553	7.090.051,0905	7.090.050,9257	7.090.050,9126	7.090.050,9126	7.090.050,8267	
Station: 10+10											
Dist. Eixo (m):		-8,323	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	8,314	
Cota (m):		10,950	10,892	10,596	10,604	10,704	10,604	10,596	10,892	10,950	
E:		709.865,5208	709.862,5971	709.862,5971	709.862,1991	709.857,2018	709.852,2046	709.851,8068	709.851,8068	709.848,8921	
N:		7.090.041,3702	7.090.041,2738	7.090.041,2738	7.090.041,2607	7.090.041,0959	7.090.040,9311	7.090.040,9180	7.090.040,9180	7.090.040,8219	
Station: 11+0											
Dist. Eixo (m):					-5,003	0,000	12,996				
Cota (m):					10,651	10,751	10,498				
E:					709.862,5243	709.857,5235	709.844,5346				
N:					7.090.031,2618	7.090.031,1011	7.090.030,6836				
Station: 11+10											
Dist. Eixo (m):					-5,002	0,000	8,253	8,651	8,651	12,992	
Cota (m):					10,572	10,672	10,448	10,440	10,735	10,822	
E:					709.862,8440	709.857,8448	709.849,5961	709.849,1984	709.849,1984	709.844,8599	
N:					7.090.021,2670	7.090.021,1063	7.090.020,8411	7.090.020,8283	7.090.020,8283	7.090.020,6889	
Station: 11+16											
Dist. Eixo (m):					-5,001	0,000	5,000	5,398	5,398	7,937	8,110
Cota (m):					10,482	10,582	10,482	10,474	10,769	10,820	10,965
E:					709.863,0487	709.858,0505	709.853,0526	709.852,6549	709.852,6549	709.850,1177	709.849,9444
N:					7.090.014,8663	7.090.014,7056	7.090.014,5449	7.090.014,5322	7.090.014,5322	7.090.014,4506	7.090.014,4450
Station: 12+0											
Dist. Eixo (m):		-8,034	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	7,978	
Cota (m):		10,771	10,719	10,423	10,431	10,531	10,431	10,423	10,718	10,770	
E:		709.866,2203	709.863,5867	709.863,5867	709.863,1888	709.858,1930	709.853,1967	709.852,7990	709.852,7990	709.850,2216	
N:		7.090.011,4308	7.090.011,3263	7.090.011,3263	7.090.011,3105	7.090.011,1124	7.090.010,9142	7.090.010,8984	7.090.010,8984	7.090.010,7962	
Station: 12+10											
Dist. Eixo (m):		-8,057	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	8,079	
Cota (m):		10,661	10,608	10,312	10,320	10,420	10,320	10,312	10,608	10,662	
E:		709.866,6400	709.863,9830	709.863,9830	709.863,5852	709.858,5893	709.853,5930	709.853,1954	709.853,1954	709.850,5169	
N:		7.090.001,4396	7.090.001,3342	7.090.001,3342	7.090.001,3184	7.090.001,1202	7.090.000,9221	7.090.000,9063	7.090.000,9063	7.090.000,8001	
Station: 13+0											
Dist. Eixo (m):		-8,094	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	8,101	
Cota (m):		10,614	10,560	10,264	10,272	10,372	10,272	10,264	10,560	10,614	
E:		709.867,0735	709.864,3794	709.864,3794	709.863,9816	709.858,9856	709.853,9894	709.853,5918	709.853,5918	709.850,8908	
N:		7.089.991,4489	7.089.991,3420	7.089.991,3420	7.089.991,3262	7.089.991,1281	7.089.990,9299	7.089.990,9142	7.089.990,9142	7.089.990,8070	
Station: 13+10											
Dist. Eixo (m):		-8,030	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	8,112	
Cota (m):		10,596	10,543	10,247	10,255	10,355	10,255	10,247	10,543	10,597	
E:		709.867,4059	709.864,7758	709.864,7758	709.864,3779	709.859,3820	709.854,3858	709.853,9881	709.853,9881	709.851,2759	
N:		7.089.981,4542	7.089.981,3499	7.089.981,3499	7.089.981,3341	7.089.981,1360	7.089.980,9378	7.089.980,9220	7.089.980,9220	7.089.980,8145	
Station: 14+0											
Dist. Eixo (m):		-7,745	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	8,097	
Cota (m):		10,573	10,526	10,230	10,238	10,338	10,238	10,230	10,526	10,580	
E:		709.867,5172	709.865,1721	709.865,1721	709.864,7743	709.859,7783	709.854,7822	709.854,3845	709.854,3845	709.851,6878	
N:		7.089.971,4508	7.089.971,3577	7.089.971,3577	7.089.971,3420	7.089.971,1438	7.089.970,9457	7.089.970,9299	7.089.970,9299	7.089.970,8229	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA PETRONILHA S. FORTUNATO T1

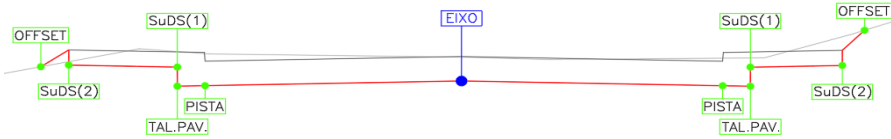
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 14+5											
Dist. Eixo (m):		-7,785	-5,398	-5,398	-5,000	0,000	3,257	3,564	3,564	3,816	
Cota (m):		10,564	10,517	10,221	10,229	10,329	10,233	10,229	10,217	10,222	
E:		709.867,7812	709.865,3964	709.865,3964	709.864,9985	709.860,0024	709.856,7464	709.856,4398	709.856,4398	709.856,1881	
N:		7.089.965,8005	7.089.965,7059	7.089.965,7059	7.089.965,6901	7.089.965,4919	7.089.965,3628	7.089.965,3506	7.089.965,3506	7.089.965,3407	
Station: 14+10											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					10,222	10,322	10,222				
E:					709.865,0504	709.860,0507	709.855,0510				
N:					7.089.961,2041	7.089.961,1485	7.089.961,0930				
Station: 15+0											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					10,205	10,305	10,205				
E:					709.865,1614	709.860,1617	709.855,1621				
N:					7.089.951,2047	7.089.951,1491	7.089.951,0936				
Station: 15+10											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					10,210	10,310	10,210				
E:					709.865,2725	709.860,2728	709.855,2731				
N:					7.089.941,2053	7.089.941,1498	7.089.941,0942				
Station: 15+11											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					10,220	10,320	10,220				
E:					709.865,2958	709.860,2944	709.855,2947				
N:					7.089.939,2644	7.089.939,2088	7.089.939,1533				
Station: 16+0											
Dist. Eixo (m):		-7,873	-5,425	-5,425	-4,996	0,000	5,004	5,433	5,433	7,849	8,019
Cota (m):		10,630	10,581	10,254	10,263	10,363	10,262	10,254	10,581	10,629	10,776
E:		709.868,4620	709.866,0148	709.866,0148	709.865,5864	709.860,5940	709.855,5933	709.855,1650	709.855,1650	709.852,7503	709.852,5807
N:		7.089.931,4482	7.089.931,3571	7.089.931,3571	7.089.931,3412	7.089.931,1554	7.089.930,9694	7.089.930,9535	7.089.930,9535	7.089.930,8636	7.089.930,8573
Station: 16+10											
Dist. Eixo (m):		-7,895	-5,425	-5,425	-4,997	0,000	5,003	5,432	5,432	7,784	7,926
Cota (m):		10,770	10,720	10,393	10,402	10,502	10,402	10,393	10,720	10,767	10,932
E:		709.868,8552	709.866,3874	709.866,3874	709.865,9589	709.860,9658	709.855,9658	709.855,5375	709.855,5375	709.853,1873	709.853,0455
N:		7.089.921,4559	7.089.921,3641	7.089.921,3641	7.089.921,3481	7.089.921,1624	7.089.920,9763	7.089.920,9604	7.089.920,9604	7.089.920,8729	7.089.920,8677
Station: 17+0											
Dist. Eixo (m):		-7,872	-5,426	-5,426	-4,997	0,000	5,003	5,431	5,431	7,745	
Cota (m):		10,907	10,862	10,534	10,543	10,643	10,543	10,535	10,862	10,908	
E:		709.869,0044	709.866,7599	709.866,7599	709.866,3314	709.861,3376	709.856,3383	709.855,9101	709.855,9101	709.853,5984	
N:		7.089.911,4545	7.089.911,3710	7.089.911,3710	7.089.911,3551	7.089.911,1693	7.089.910,9833	7.089.910,9673	7.089.910,9673	7.089.910,8813	
Station: 17+10											
Dist. Eixo (m):		-7,724	-5,427	-5,427	-4,998	0,000	5,002	5,431	5,431	7,853	
Cota (m):		11,040	10,994	10,667	10,676	10,776	10,676	10,667	10,995	11,043	
E:		709.869,4277	709.867,1324	709.867,1324	709.866,7040	709.861,7094	709.856,7109	709.856,2826	709.856,2826	709.853,8614	
N:		7.089.901,4634	7.089.901,3780	7.089.901,3780	7.089.901,3620	7.089.901,1762	7.089.900,9902	7.089.900,9743	7.089.900,9743	7.089.900,8842	
Station: 18+0											
Dist. Eixo (m):		-7,825	-5,427	-5,427	-4,999	0,000	5,001	5,430	5,430	7,952	
Cota (m):		11,066	11,018	10,691	10,700	10,800	10,700	10,691	11,019	11,069	
E:		709.869,9013	709.867,5050	709.867,5050	709.867,0765	709.862,0812	709.857,0834	709.856,6551	709.856,6551	709.854,1352	
N:		7.089.891,4741	7.089.891,3849	7.089.891,3849	7.089.891,3690	7.089.891,1831	7.089.890,9972	7.089.890,9812	7.089.890,9812	7.089.890,8875	
Station: 18+2											
Dist. Eixo (m):					-4,999	0,000	5,001	5,430	5,430	7,970	
Cota (m):					10,680	10,780	10,680	10,672	10,999	11,050	
E:					709.867,1866	709.862,1912	709.857,1935	709.856,7653	709.856,7653	709.854,2269	
N:					7.089.888,4149	7.089.888,2291	7.089.888,0431	7.089.888,0272	7.089.888,0272	7.089.887,9327	
Station: 18+10											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					10,625	10,725	10,625				
E:					709.867,5182	709.862,5238	709.857,5293				
N:					7.089.881,4291	7.089.881,1930	7.089.880,9569				
Station: 19+0											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					10,492	10,592	10,492				
E:					709.867,9904	709.862,9960	709.858,0015				
N:					7.089.871,4403	7.089.871,2042	7.089.870,9681				
Station: 19+9											
Dist. Eixo (m):		-8,067	-5,431	-5,431	-5,002	0,000	5,000	5,428	5,428	7,824	
Cota (m):		10,969	10,657	10,329	10,338	10,438	10,338	10,330	10,657	10,705	
E:		709.871,4949	709.868,8613	709.868,8613	709.868,4331	709.863,4365	709.858,4400	709.858,0119	709.858,0119	709.855,6180	
N:		7.089.862,2654	7.089.862,1409	7.089.862,1409	7.089.862,1206	7.089.861,8844	7.089.861,6482	7.089.861,6280	7.089.861,6280	7.089.861,5148	
Station: 19+10											
Dist. Eixo (m):		-8,000	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	7,825	
Cota (m):		10,959	10,648	10,321	10,330	10,430	10,330	10,321	10,648	10,696	
E:		709.871,4476	709.868,8766	709.868,8766	709.868,4479	709.863,4490	709.858,4497	709.858,0212	709.858,0212	709.855,6257	
N:		7.089.861,3638	7.089.861,3159	7.089.861,3159	7.089.861,3079	7.089.861,2147	7.089.861,1215	7.089.861,1135	7.089.861,1135	7.089.861,0688	
Station: 20+0											
Dist. Eixo (m):		-7,996	-5,425	-5,425	-4,996	0,000	5,004	5,432	5,432	7,845	
Cota (m):		10,810	10,558	10,231	10,240	10,340	10,240	10,231	10,559	10,607	
E:		709.871,6305	709.869,0597	709.869,0597	709.868,6310	709.863,6354	709.858,6327	709.858,2042	709.858,2042	709.855,7923	
N:		7.089.851,3655	7.089.851,3176	7.089.851,3176	7.089.851,3096	7.089.851,2164	7.089.851,1232	7.089.851,1152	7.089.851,1152	7.089.851,0702	

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DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA PETRONILHA S. FORTUNATO T1

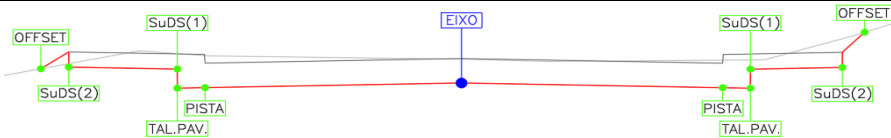
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 20+10											
Dist. Eixo (m):	-8,115	-7,993	-5,422	-5,422	-4,993	0,000	5,007	5,435	5,435	7,942	
Cota (m):	10,800	10,881	10,570	10,242	10,251	10,351	10,251	10,242	10,569	10,619	
E:	709.871,9355	709.871,8137	709.869,2428	709.868,2428	709.868,8141	709.863,8218	709.858,8158	709.858,3873	709.858,3873	709.855,8816	
N:	7.089.841,3694	7.089.841,3672	7.089.841,3192	7.089.841,3192	7.089.841,3112	7.089.841,2182	7.089.841,1248	7.089.841,1168	7.089.841,1168	7.089.841,0701	
Station: 21+0											
Dist. Eixo (m):	-8,032	-7,990	-5,419	-5,419	-4,990	0,000	5,010	5,439	5,439	7,766	
Cota (m):	10,985	10,944	10,632	10,305	10,314	10,413	10,313	10,305	10,631	10,678	
E:	709.872,0384	709.871,9968	709.869,4258	709.869,4258	709.868,9971	709.864,0082	709.858,9989	709.858,5704	709.858,5704	709.856,2432	
N:	7.089.831,3696	7.089.831,3688	7.089.831,3209	7.089.831,3209	7.089.831,3129	7.089.831,2199	7.089.831,1265	7.089.831,1185	7.089.831,1185	7.089.831,0751	
Station: 21+10											
Dist. Eixo (m):	-7,986	-5,415	-5,415	-5,415	-4,986	0,000	5,014	5,442	5,442	7,582	
Cota (m):	10,648	10,596	10,289	10,289	10,278	10,378	10,277	10,289	10,595	10,638	
E:	709.872,1797	709.869,6089	709.869,6087	709.869,6087	709.869,1802	709.864,1946	709.859,1819	709.858,7534	709.858,7534	709.856,6143	
N:	7.089.821,3705	7.089.821,3226	7.089.821,3226	7.089.821,3226	7.089.821,3146	7.089.821,2216	7.089.821,1282	7.089.821,1202	7.089.821,1202	7.089.821,0803	
Station: 21+18											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					10,168	10,270	10,171				
E:					709.869,3625	709.864,3606	709.859,3615				
N:					7.089.812,4123	7.089.812,3191	7.089.812,2259				
Station: 22+0											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					10,149	10,249	10,149				
E:					709.869,4105	709.864,4172	709.859,4238				
N:					7.089.811,4826	7.089.811,2246	7.089.810,9667				
Station: 22+10											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					9,962	10,062	9,962				
E:					709.869,9264	709.864,9331	709.859,9397				
N:					7.089.801,4959	7.089.801,2380	7.089.800,9800				
Station: 23+0											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					9,862	9,962	9,862				
E:					709.870,4423	709.865,4490	709.860,4556				
N:					7.089.791,5092	7.089.791,2513	7.089.790,9933				
Station: 23+4											
Dist. Eixo (m):		-7,872	-5,400	-5,400	-5,002	0,000	4,998	5,398	5,398	7,933	
Cota (m):		10,197	10,147	9,852	9,860	9,960	9,860	9,852	10,147	10,198	
E:		709.873,5619	709.871,0937	709.871,0937	709.870,6961	709.865,7005	709.860,7071	709.860,3075	709.860,3075	709.857,7744	
N:		7.089.786,7886	7.089.786,6611	7.089.786,6611	7.089.786,6405	7.089.786,3825	7.089.786,1245	7.089.786,1039	7.089.786,1039	7.089.785,9730	
Station: 23+10											
Dist. Eixo (m):		-7,889	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	7,878	
Cota (m):		10,227	10,177	9,881	9,889	9,989	9,889	9,881	10,176	10,226	
E:		709.873,6996	709.871,2087	709.871,2087	709.870,8106	709.865,8121	709.860,8130	709.860,4151	709.860,4151	709.857,9357	
N:		7.089.781,4308	7.089.781,3765	7.089.781,3765	7.089.781,3679	7.089.781,2590	7.089.781,1501	7.089.781,1414	7.089.781,1414	7.089.781,0874	
Station: 24+0											
Dist. Eixo (m):		-7,960	-5,397	-5,397	-4,999	0,000	5,001	5,399	5,399	7,766	
Cota (m):		10,299	10,248	9,952	9,960	10,060	9,960	9,952	10,248	10,295	
E:		709.873,9880	709.871,4259	709.871,4259	709.871,0278	709.866,0299	709.861,0302	709.860,6324	709.860,6324	709.858,2657	
N:		7.089.771,4347	7.089.771,3789	7.089.771,3789	7.089.771,3702	7.089.771,2614	7.089.771,1524	7.089.771,1438	7.089.771,1438	7.089.771,0922	
Station: 24+10											
Dist. Eixo (m):		-8,031	-5,397	-5,397	-4,999	0,000	5,001	5,399	5,399	7,654	
Cota (m):		10,372	10,319	10,023	10,031	10,131	10,031	10,023	10,319	10,364	
E:		709.874,2771	709.871,6431	709.871,6431	709.871,2451	709.866,2476	709.861,2474	709.860,8496	709.860,8496	709.858,5957	
N:		7.089.761,4386	7.089.761,3813	7.089.761,3813	7.089.761,3726	7.089.761,2637	7.089.761,1548	7.089.761,1461	7.089.761,1461	7.089.761,0970	
Station: 25+0											
Dist. Eixo (m):		-8,173	-5,396	-5,396	-4,998	0,000	5,002	5,400	5,400	7,733	
Cota (m):		10,427	10,371	10,075	10,083	10,183	10,083	10,075	10,371	10,418	
E:		709.874,6367	709.871,8604	709.871,8604	709.871,4623	709.866,4654	709.861,4647	709.861,0668	709.861,0668	709.858,7343	
N:		7.089.751,4441	7.089.751,3836	7.089.751,3836	7.089.751,3749	7.089.751,2661	7.089.751,1572	7.089.751,1485	7.089.751,1485	7.089.751,0977	
Station: 25+10											
Dist. Eixo (m):		-8,207	-5,396	-5,396	-4,998	0,000	5,002	5,400	5,400	7,884	
Cota (m):		10,436	10,380	10,084	10,092	10,192	10,092	10,084	10,379	10,429	
E:		709.874,8887	709.872,0776	709.872,0776	709.871,6795	709.866,6832	709.861,6819	709.861,2840	709.861,2840	709.858,8015	
N:		7.089.741,4472	7.089.741,3860	7.089.741,3860	7.089.741,3773	7.089.741,2685	7.089.741,1595	7.089.741,1509	7.089.741,1509	7.089.741,0968	
Station: 25+15											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					10,084	10,184	10,084				
E:					709.871,7947	709.866,7930	709.861,7942				
N:					7.089.736,3378	7.089.736,2289	7.089.736,1200				
Station: 26+0											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					10,076	10,176	10,076				
E:					709.872,0613	709.867,0691	709.862,0768				
N:					7.089.731,5557	7.089.731,2774	7.089.730,9990				
Station: 26+10											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					10,080	10,180	10,080				
E:					709.872,6181	709.867,6259	709.862,6336				
N:					7.089.721,5713	7.089.721,2929	7.089.721,0145				

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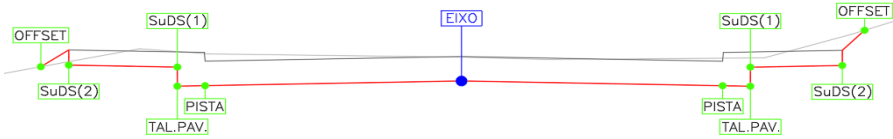
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 27+0											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					10,121	10,221	10,121				
E:					709.873,1749	709.868,1826	709.863,1904				
N:					7.089.711,5868	7.089.711,3084	7.089.711,0300				
Station: 27+1											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					10,127	10,228	10,128				
E:					709.873,2379	709.868,2456	709.863,2517				
N:					7.089.710,4571	7.089.710,1787	7.089.709,9002				
Station: 27+10											
Dist. Eixo (m):		-7,999	-5,397	-5,397	-4,999	0,000	5,001	5,399	5,399	8,554	
Cota (m):		10,521	10,469	10,173	10,181	10,281	10,181	10,173	10,469	10,532	
E:		709.876,5054	709.873,9047	709.873,9047	709.873,5068	709.868,5102	709.863,5112	709.863,1134	709.863,1134	709.859,9598	
N:		7.089.701,5527	7.089.701,4751	7.089.701,4751	7.089.701,4632	7.089.701,3141	7.089.701,1649	7.089.701,1530	7.089.701,1530	7.089.701,0589	
Station: 28+0											
Dist. Eixo (m):		-7,997	-5,396	-5,396	-4,997	0,000	5,003	5,400	5,400	8,542	
Cota (m):		10,522	10,470	10,174	10,182	10,282	10,182	10,174	10,470	10,533	
E:		709.876,8024	709.874,2017	709.874,2017	709.873,8037	709.868,8085	709.863,8081	709.863,4104	709.863,4104	709.860,2706	
N:		7.089.691,5571	7.089.691,4795	7.089.691,4795	7.089.691,4676	7.089.691,3185	7.089.691,1693	7.089.691,1574	7.089.691,1574	7.089.691,0638	
Station: 28+10											
Dist. Eixo (m):		-8,017	-5,394	-5,394	-4,996	0,000	5,004	5,402	5,402	8,440	
Cota (m):		10,407	10,354	10,058	10,066	10,166	10,066	10,058	10,354	10,415	
E:		709.877,1204	709.874,4986	709.874,4986	709.874,1006	709.869,1067	709.864,1051	709.863,7073	709.863,7073	709.860,6709	
N:		7.089.681,5621	7.089.681,4839	7.089.681,4839	7.089.681,4720	7.089.681,3230	7.089.681,1737	7.089.681,1619	7.089.681,1619	7.089.681,0712	
Station: 29+0											
Dist. Eixo (m):		-8,036	-5,393	-5,393	-4,995	0,000	5,005	5,403	5,403	8,246	
Cota (m):		10,237	10,184	9,888	9,896	9,996	9,896	9,888	10,183	10,240	
E:		709.877,4378	709.874,7955	709.874,7955	709.874,3976	709.869,4050	709.864,4020	709.864,0042	709.864,0042	709.861,1629	
N:		7.089.671,5671	7.089.671,4883	7.089.671,4883	7.089.671,4764	7.089.671,3274	7.089.671,1781	7.089.671,1663	7.089.671,1663	7.089.671,0815	
Station: 29+10											
Dist. Eixo (m):		-8,011	-5,392	-5,392	-4,993	0,000	5,007	5,405	5,405	8,032	
Cota (m):		10,405	10,093	9,797	9,805	9,905	9,805	9,797	10,092	10,145	
E:		709.877,7105	709.875,0925	709.875,0925	709.874,6945	709.869,7033	709.864,6989	709.864,3012	709.864,3012	709.861,6753	
N:		7.089.661,5708	7.089.661,4927	7.089.661,4927	7.089.661,4808	7.089.661,3319	7.089.661,1825	7.089.661,1707	7.089.661,1707	7.089.661,0923	
Station: 29+11											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					9,801	9,901	9,801				
E:					709.874,7359	709.869,7379	709.864,7401				
N:					7.089.660,3216	7.089.660,1724	7.089.660,0233				
Station: 30+0											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					9,815	9,915	9,815				
E:					709.875,0837	709.870,0877	709.865,0916				
N:					7.089.651,5372	7.089.651,3393	7.089.651,1415				
Station: 30+10											
Dist. Eixo (m):					-5,000	0,000	5,000				
Cota (m):					9,851	9,951	9,851				
E:					709.875,4794	709.870,4833	709.865,4873				
N:					7.089.641,5450	7.089.641,3472	7.089.641,1493				
Station: 30+17											
Dist. Eixo (m):		-7,555	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	8,087	
Cota (m):		10,469	10,166	9,870	9,878	9,978	9,878	9,870	10,166	10,220	
E:		709.878,3227	709.876,1674	709.876,1674	709.875,7695	709.870,7731	709.865,7770	709.865,3790	709.865,3790	709.862,6917	
N:		7.089.634,3285	7.089.634,2432	7.089.634,2432	7.089.634,2274	7.089.634,0295	7.089.633,8317	7.089.633,8160	7.089.633,8160	7.089.633,7095	
Station: 31+0											
Dist. Eixo (m):		-7,430	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	8,064	
Cota (m):		10,216	10,176	9,880	9,888	9,988	9,888	9,880	10,176	10,229	
E:		709.878,2759	709.876,2445	709.876,2445	709.875,8465	709.870,8485	709.865,8505	709.865,4527	709.865,4527	709.862,7872	
N:		7.089.631,5632	7.089.631,5060	7.089.631,5060	7.089.631,4948	7.089.631,3539	7.089.631,2131	7.089.631,2019	7.089.631,2019	7.089.631,1268	
Station: 31+10											
Dist. Eixo (m):		-7,266	-5,398	-5,398	-5,000	0,000	5,000	5,398	5,398	7,977	
Cota (m):		10,510	10,212	9,916	9,924	10,024	9,924	9,916	10,212	10,264	
E:		709.878,3928	709.876,5264	709.876,5264	709.876,1284	709.871,1301	709.866,1323	709.865,7345	709.865,7345	709.863,1567	
N:		7.089.621,5625	7.089.621,5099	7.089.621,5099	7.089.621,4987	7.089.621,3579	7.089.621,2171	7.089.621,2059	7.089.621,2059	7.089.621,1333	
Station: 32+0											
Dist. Eixo (m):		-7,242	-5,399	-5,399	-5,000	0,000	5,000	5,398	5,398	7,889	
Cota (m):		10,545	10,248	9,953	9,961	10,061	9,961	9,953	10,248	10,298	
E:		709.878,6510	709.876,8082	709.876,8082	709.876,4102	709.871,4117	709.866,4141	709.866,0163	709.866,0163	709.863,5261	
N:		7.089.611,5658	7.089.611,5139	7.089.611,5139	7.089.611,5027	7.089.611,3619	7.089.611,2211	7.089.611,2099	7.089.611,2099	7.089.611,1397	
Station: 32+10											
Dist. Eixo (m):		-7,338	-5,399	-5,399	-5,001	0,000	4,999	5,397	5,397	7,801	
Cota (m):		10,324	10,285	9,989	9,997	10,097	9,997	9,989	10,285	10,333	
E:		709.879,0282	709.877,0900	709.877,0900	709.876,6920	709.871,6934	709.866,6959	709.866,2981	709.866,2981	709.863,8956	
N:		7.089.601,5725	7.089.601,5179	7.089.601,5179	7.089.601,5067	7.089.601,3658	7.089.601,2251	7.089.601,2138	7.089.601,2138	7.089.601,1462	
Station: 33+0											
Dist. Eixo (m):		-7,434	-5,399	-5,399	-5,001	0,000	4,999	5,397	5,397	7,861	
Cota (m):		10,622	10,321	10,025	10,033	10,133	10,033	10,025	10,321	10,370	
E:		709.879,4058	709.877,3718	709.877,3718	709.876,9738	709.871,9750	709.866,9778	709.866,5799	709.866,5799	709.864,1167	
N:		7.089.591,5792	7.089.591,5219	7.089.591,5219	7.089.591,5107	7.089.591,3698	7.089.591,2290	7.089.591,2178	7.089.591,2178	7.089.591,1484	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA PETRONILHA S. FORTUNATO T1

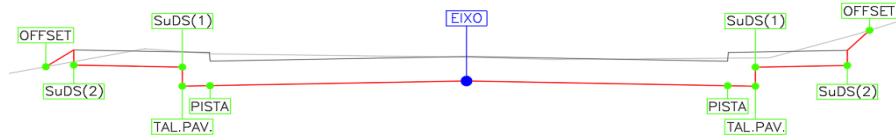
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 33+7											
Dist. Eixo (m):					-4,998	0,000	4,998	5,396	5,396	8,053	
Cota (m):					10,059	10,159	10,061	10,053	10,349	10,402	
E:					709,877,1711	709,872,1753	709,867,1752	709,866,7774	709,866,7774	709,864,1189	
N:					7,089,584,3994	7,089,584,2587	7,089,584,1178	7,089,584,1066	7,089,584,1066	7,089,584,0317	
Station: 33+10											
Dist. Eixo (m):					-5,106	0,000	5,426	5,824	5,824	9,127	
Cota (m):					10,068	10,170	10,092	10,084	10,379	10,445	
E:					709,877,2466	709,872,1405	709,866,7146	709,866,3167	709,866,3167	709,863,0142	
N:					7,089,581,3111	7,089,581,3728	7,089,581,4384	7,089,581,4432	7,089,581,4432	7,089,581,4832	
Station: 34+0											
Dist. Eixo (m):					-5,000	0,000	13,005				
Cota (m):					10,087	10,187	10,174				
E:					709,877,0192	709,872,0196	709,859,0158				
N:					7,089,571,3131	7,089,571,3736	7,089,571,5308				
Station: 34+10											
Dist. Eixo (m):					-5,157	0,000	5,601	5,999	5,999	8,305	
Cota (m):					10,065	10,168	10,096	10,088	10,384	10,430	
E:					709,877,0558	709,871,8987	709,866,2977	709,865,8997	709,865,8997	709,863,5945	
N:					7,089,561,3120	7,089,561,3743	7,089,561,4420	7,089,561,4468	7,089,561,4468	7,089,561,4747	
Station: 34+12											
Dist. Eixo (m):		-8,471	-5,384	-5,384	-4,987	0,000	5,018	5,416	5,416	8,024	
Cota (m):		10,667	10,346	10,050	10,058	10,158	10,084	10,076	10,372	10,424	
E:		709,880,3563	709,877,2631	709,877,2631	709,876,8649	709,871,8678	709,866,8504	709,866,4525	709,866,4525	709,863,8446	
N:		7,089,558,7144	7,089,558,7518	7,089,558,7518	7,089,558,7566	7,089,558,8170	7,089,558,8776	7,089,558,8825	7,089,558,8825	7,089,558,9140	
Station: 35+0											
Dist. Eixo (m):		-8,296	-5,340	-5,340	-4,942	0,000	5,058	5,456	5,456	8,145	
Cota (m):		10,637	10,318	10,022	10,030	10,129	10,028	10,020	10,316	10,370	
E:		709,880,5470	709,877,5951	709,877,5951	709,877,1975	709,872,2623	709,867,2114	709,866,8140	709,866,8140	709,864,1292	
N:		7,089,551,8247	7,089,551,6680	7,089,551,6680	7,089,551,6469	7,089,551,3850	7,089,551,1168	7,089,551,0957	7,089,551,0957	7,089,550,9532	
Station: 35+10											
Dist. Eixo (m):		-8,191	-5,277	-5,277	-4,879	0,000	5,121	5,519	5,519	8,326	
Cota (m):		10,599	10,281	9,985	9,993	10,091	9,988	9,980	10,276	10,332	
E:		709,880,9717	709,878,0624	709,878,0624	709,877,6648	709,872,7924	709,867,6787	709,867,2813	709,867,2813	709,864,4779	
N:		7,089,541,8332	7,089,541,6788	7,089,541,6788	7,089,541,6577	7,089,541,3990	7,089,541,1276	7,089,541,1065	7,089,541,1065	7,089,540,9576	
Station: 36+0											
Dist. Eixo (m):		-8,574	-5,215	-5,215	-4,816	0,000	5,184	5,582	5,582	7,801	
Cota (m):		10,311	10,244	9,948	9,956	10,052	9,948	9,941	10,237	10,281	
E:		709,881,8848	709,878,5297	709,878,5297	709,878,1321	709,873,3225	709,868,1460	709,867,7486	709,867,7486	709,865,5322	
N:		7,089,531,8676	7,089,531,6895	7,089,531,6895	7,089,531,6684	7,089,531,4131	7,089,531,1383	7,089,531,1172	7,089,531,1172	7,089,530,9995	
Station: 36+10											
Dist. Eixo (m):		-8,964	-5,152	-5,152	-4,753	0,000	5,247	5,645	5,645	8,032	
Cota (m):		10,283	10,206	9,911	9,919	10,014	9,909	9,901	10,196	10,244	
E:		709,882,8044	709,878,9971	709,878,9971	709,878,5995	709,873,8526	709,868,6133	709,868,2159	709,868,2159	709,865,8322	
N:		7,089,521,9023	7,089,521,7002	7,089,521,7002	7,089,521,6791	7,089,521,4271	7,089,521,1490	7,089,521,1279	7,089,521,1279	7,089,521,0014	
Station: 37+0											
Dist. Eixo (m):		-8,866	-5,089	-5,089	-4,691	0,000	5,310	5,708	5,708	8,222	
Cota (m):		10,257	10,182	9,886	9,894	9,988	9,881	9,873	10,169	10,219	
E:		709,883,2360	709,879,4644	709,879,4644	709,879,0668	709,874,3827	709,869,0806	709,868,6832	709,868,6832	709,866,1724	
N:		7,089,511,9112	7,089,511,7110	7,089,511,7110	7,089,511,6898	7,089,511,4412	7,089,511,1597	7,089,511,1386	7,089,511,1386	7,089,511,0054	
Station: 37+6											
Dist. Eixo (m):		-8,439	-5,045	-5,045	-4,647	0,000	5,343				
Cota (m):		10,247	10,179	9,883	9,891	9,984	9,877				
E:		709,883,1772	709,879,7881	709,879,7881	709,879,3905	709,874,7500	709,869,4127				
N:		7,089,504,9711	7,089,504,7911	7,089,504,7911	7,089,504,7700	7,089,504,5237	7,089,504,2404				
Station: 37+10											
Dist. Eixo (m):		-8,322	-5,068	-5,068	-4,670	0,000	5,264				
Cota (m):		10,246	10,181	9,885	9,893	9,987	9,881				
E:		709,883,1535	709,879,9011	709,879,9011	709,879,5031	709,874,8345	709,869,5728				
N:		7,089,501,6812	7,089,501,5916	7,089,501,5916	7,089,501,5807	7,089,501,4521	7,089,501,3072				
Station: 38+0											
Dist. Eixo (m):		-7,794	-5,144	-5,144	-4,746	0,000	4,994				
Cota (m):		10,244	10,191	9,895	9,903	9,998	9,898				
E:		709,882,9005	709,880,2522	709,880,2522	709,879,8542	709,875,1098	709,870,1179				
N:		7,089,491,6704	7,089,491,5975	7,089,491,5975	7,089,491,5866	7,089,491,4559	7,089,491,3184				
Station: 38+4											
Dist. Eixo (m):		-7,482	-5,174	-5,174	-4,776	0,000	4,879				
Cota (m):		10,501	10,195	9,899	9,907	10,003	9,905				
E:		709,882,7054	709,880,3986	709,880,3986	709,880,0006	709,875,2261	709,870,3482				
N:		7,089,487,4390	7,089,487,3755	7,089,487,3755	7,089,487,3645	7,089,487,2331	7,089,487,0987				
Station: 38+10											
Dist. Eixo (m):		-7,213	-5,194	-5,194	-4,796	0,000	4,800	5,198	5,198	7,056	
Cota (m):		10,502	10,201	9,905	9,913	10,009	9,913	9,905	10,201	10,238	
E:		709,882,4861	709,880,4671	709,880,4671	709,880,0689	709,875,2736	709,870,4737	709,870,0757	709,870,0757	709,868,2174	
N:		7,089,481,5169	7,089,481,5004	7,089,481,5004	7,089,481,4971	7,089,481,4577	7,089,481,4183	7,089,481,4150	7,089,481,4150	7,089,481,3997	
Station: 39+0											
Dist. Eixo (m):		-7,593	-5,228	-5,228	-4,830	0,000	4,834	5,232	5,232	6,984	
Cota (m):		10,259	10,212	9,916	9,924	10,021	9,924	9,916	10,212	10,247	
E:		709,882,9487	709,880,5835	709,880,5835	709,880,1854	709,875,3557	709,870,5223	709,870,1243	709,870,1243	709,868,3717	
N:		7,089,471,5204	7,089,471,5010	7,089,471,5010	7,089,471,4977	7,089,471,4580	7,089,471,4183	7,089,471,4151	7,089,471,4151	7,089,471,4007	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA PETRONILHA S. FORTUNATO T1

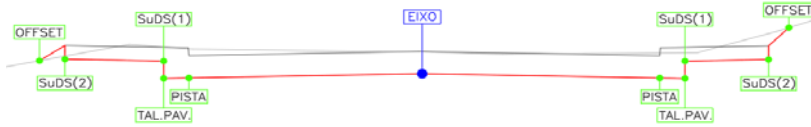
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 39+10											
Dist. Eixo (m):		-7,643	-5,262	-5,262	-4,864	0,000	4,867	5,265	5,265	7,399	
Cota (m):		10,270	10,223	9,927	9,935	10,032	9,935	9,927	10,222	10,265	
E:		709.883,0809	709.880,6999	709.880,6999	709.880,3018	709.875,4379	709.870,5709	709.870,1729	709.870,1729	709.868,0395	
N:		7.089.461,5212	7.089.461,5016	7.089.461,5016	7.089.461,4983	7.089.461,4584	7.089.461,4184	7.089.461,4151	7.089.461,4151	7.089.461,3976	
Station: 40+0											
Dist. Eixo (m):		-7,709	-5,297	-5,297	-4,898	0,000	4,901	5,299	5,299	7,524	
Cota (m):		10,272	10,223	9,928	9,936	10,034	9,936	9,928	10,224	10,268	
E:		709.883,2288	709.880,8164	709.880,8164	709.880,4182	709.875,5200	709.870,6195	709.870,2215	709.870,2215	709.867,9967	
N:		7.089.451,5220	7.089.451,5022	7.089.451,5022	7.089.451,4989	7.089.451,4587	7.089.451,4184	7.089.451,4152	7.089.451,4152	7.089.451,3969	
Station: 40+10											
Dist. Eixo (m):		-7,302	-5,331	-5,331	-4,933	0,000	4,934	5,332	5,332	7,389	
Cota (m):		10,407	10,107	9,811	9,819	9,918	9,819	9,811	10,107	10,148	
E:		709.882,9043	709.880,9328	709.880,9328	709.880,5347	709.875,6022	709.870,6681	709.870,2701	709.870,2701	709.868,2134	
N:		7.089.441,5190	7.089.441,5028	7.089.441,5028	7.089.441,4996	7.089.441,4590	7.089.441,4185	7.089.441,4152	7.089.441,4152	7.089.441,3983	
Station: 41+0											
Dist. Eixo (m):		-6,988	-5,365	-5,365	-4,967	0,000	4,970	5,368	5,368	7,507	
Cota (m):		10,147	9,855	9,559	9,567	9,666	9,567	9,559	9,854	9,897	
E:		709.882,6719	709.881,0493	709.881,0491	709.880,6511	709.875,6843	709.870,7141	709.870,3162	709.870,3162	709.868,1773	
N:		7.089.431,5168	7.089.431,5035	7.089.431,5035	7.089.431,5002	7.089.431,4594	7.089.431,4185	7.089.431,4153	7.089.431,4153	7.089.431,3977	
Station: 41+4											
Dist. Eixo (m):		-7,316	-5,381	-5,381	-4,983	0,000	6,705	7,103	7,103	7,905	
Cota (m):		10,020	9,721	9,425	9,433	9,533	9,399	9,391	9,687	9,703	
E:		709.883,0396	709.881,1046	709.881,1046	709.880,7064	709.875,7234	709.869,0190	709.868,6210	709.868,6210	709.867,8190	
N:		7.089.426,7695	7.089.426,7536	7.089.426,7536	7.089.426,7503	7.089.426,7094	7.089.426,6543	7.089.426,6510	7.089.426,6510	7.089.426,6444	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA PETRONILHA S. FORTUNATO T2

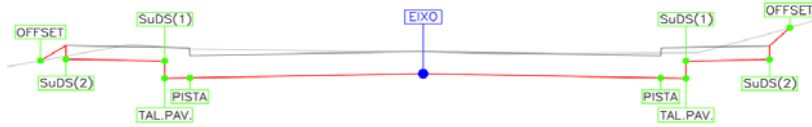
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 41+4											
Dist.eixo (m)		-14,152	-9,551	-9,551	-9,122	0,000	5,000	5,429	5,429	13,610	
Cota Camada 1 (m)					10,568	10,750	10,650				
Cota Camada 3 (m)					10,488	10,670	10,570				
Cota Camada 6 (m)					10,448	10,630	10,530				
Cota Camada 7 (m)					10,298	10,480	10,380				
Cota (m)	10,818	10,466	10,139	10,148	10,330	10,230	10,221	10,548	10,712		
E	709,891.7969	709,887.1999	709,887.1999	709,886.7715	709,877.6569	709,872.6611	709,872.2329	709,872.2329	709,864.0582		
N	7,089,218.8058	7,089,218.6181	7,089,218.6181	7,089,218.6006	7,089,218.2285	7,089,218.0246	7,089,218.0071	7,089,218.0071	7,089,217.6734		
Station: 41+10											
Dist.eixo (m)	-8,792	-8,421	-5,622	-5,622	-5,193	0,000	5,932	6,361	6,361	8,543	8,741
Cota Camada 1 (m)					10,710	10,814	10,695				
Cota Camada 3 (m)					10,630	10,734	10,615				
Cota Camada 6 (m)					10,590	10,694	10,575				
Cota Camada 7 (m)					10,440	10,544	10,425				
Cota (m)	10,677	10,924	10,608	10,281	10,290	10,394	10,275	10,266	10,593	10,637	10,765
E	709,886.6561	709,886.2854	709,883.4883	709,883.4883	709,883.0599	709,877.8711	709,871.9440	709,871.5157	709,871.5157	709,869.3348	709,869.1377
N	7,089,213.3415	7,089,213.3264	7,089,213.2122	7,089,213.2122	7,089,213.1947	7,089,212.9829	7,089,212.7409	7,089,212.7235	7,089,212.7235	7,089,212.6344	7,089,212.6264
Station: 42+0											
Dist.eixo (m)	-8,501	-8,089	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	7,802	7,974
Cota Camada 1 (m)					10,808	10,908	10,808				
Cota Camada 3 (m)					10,728	10,828	10,728				
Cota Camada 6 (m)					10,688	10,788	10,688				
Cota Camada 7 (m)					10,538	10,638	10,538				
Cota (m)	10,745	11,020	10,707	10,379	10,388	10,488	10,388	10,380	10,707	10,754	10,900
E	709,886.7731	709,886.3612	709,883.7032	709,883.7032	709,883.2748	709,878.2790	709,873.2831	709,872.8549	709,872.8549	709,870.4833	709,870.3118
N	7,089,203.3380	7,089,203.3212	7,089,203.2127	7,089,203.2127	7,089,203.1952	7,089,202.9912	7,089,202.7873	7,089,202.7698	7,089,202.7698	7,089,202.6730	7,089,202.6660
Station: 42+10											
Dist.eixo (m)	-8,547	-8,061	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	7,806	8,129
Cota Camada 1 (m)					10,850	10,950	10,850				
Cota Camada 3 (m)					10,770	10,870	10,770				
Cota Camada 6 (m)					10,730	10,830	10,730				
Cota Camada 7 (m)					10,580	10,680	10,580				
Cota (m)	10,737	11,061	10,749	10,421	10,430	10,530	10,430	10,422	10,748	10,796	10,841
E	709,887.2264	709,886.7413	709,884.1111	709,884.1111	709,883.6827	709,878.6868	709,873.6910	709,873.2628	709,873.2628	709,870.8878	709,870.5650
N	7,089,193.3482	7,089,193.3284	7,089,193.2210	7,089,193.2210	7,089,193.2035	7,089,192.9995	7,089,192.7956	7,089,192.7781	7,089,192.7781	7,089,192.6812	7,089,192.6680
Station: 43+0											
Dist.eixo (m)	-8,456	-7,960	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	7,809	8,106
Cota Camada 1 (m)					10,866	10,966	10,866				
Cota Camada 3 (m)					10,786	10,886	10,786				
Cota Camada 6 (m)					10,746	10,846	10,746				
Cota Camada 7 (m)					10,596	10,696	10,596				
Cota (m)	10,744	11,075	10,764	10,437	10,446	10,546	10,446	10,437	10,764	10,812	10,874
E	709,887.5433	709,887.0482	709,884.5190	709,884.5190	709,884.0906	709,879.0947	709,874.0989	709,873.6707	709,873.6707	709,871.2923	709,870.9959
N	7,089,183.3528	7,089,183.3326	7,089,183.2293	7,089,183.2293	7,089,183.2118	7,089,183.0079	7,089,182.8039	7,089,182.7864	7,089,182.7864	7,089,182.6894	7,089,182.6773
Station: 43+10											
Dist.eixo (m)	-8,371	-7,882	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	7,812	8,021
Cota Camada 1 (m)					10,881	10,981	10,881				
Cota Camada 3 (m)					10,801	10,901	10,801				
Cota Camada 6 (m)					10,761	10,861	10,761				
Cota Camada 7 (m)					10,611	10,711	10,611				
Cota (m)	10,763	11,089	10,780	10,452	10,461	10,561	10,461	10,453	10,779	10,827	10,948
E	709,887.8663	709,887.3780	709,884.9269	709,884.9269	709,884.4984	709,879.5026	709,874.5068	709,874.0785	709,874.0785	709,871.6968	709,871.4886
N	7,089,173.3576	7,089,173.3377	7,089,173.2376	7,089,173.2376	7,089,173.2201	7,089,173.0162	7,089,172.8123	7,089,172.7948	7,089,172.7948	7,089,172.6975	7,089,172.6890
Station: 44+0											
Dist.eixo (m)	-8,260	-7,925	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	7,816	7,968
Cota Camada 1 (m)					10,897	10,997	10,897				
Cota Camada 3 (m)					10,817	10,917	10,817				
Cota Camada 6 (m)					10,777	10,877	10,777				
Cota Camada 7 (m)					10,627	10,727	10,627				
Cota (m)	10,881	11,105	10,795	10,468	10,477	10,577	10,477	10,468	10,795	10,843	11,001
E	709,888.1639	709,887.8288	709,885.3347	709,885.3347	709,884.9063	709,879.9105	709,874.9146	709,874.4864	709,874.4864	709,872.1013	709,871.9486
N	7,089,163.3614	7,089,163.3478	7,089,163.2459	7,089,163.2459	7,089,163.2285	7,089,163.0245	7,089,162.8206	7,089,162.8031	7,089,162.8031	7,089,162.7057	7,089,162.6995
Station: 44+10											
Dist.eixo (m)	-8,117	-8,004	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	7,819	7,941
Cota Camada 1 (m)					10,912	11,012	10,912				
Cota Camada 3 (m)					10,832	10,932	10,832				
Cota Camada 6 (m)					10,792	10,892	10,792				
Cota Camada 7 (m)					10,642	10,742	10,642				
Cota (m)	11,046	11,122	10,811	10,483	10,492	10,592	10,492	10,484	10,811	10,859	11,037
E	709,888.4288	709,888.3153	709,885.7426	709,885.7426	709,885.3142	709,880.3184	709,875.3225	709,874.8943	709,874.8943	709,872.5058	709,872.3838
N	7,089,153.3639	7,089,153.3593	7,089,153.2543	7,089,153.2543	7,089,153.2368	7,089,153.0328	7,089,152.8289	7,089,152.8114	7,089,152.8114	7,089,152.7139	7,089,152.7089
Station: 45+0											
Dist.eixo (m)	-8,226	-8,025	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	7,915	7,933
Cota Camada 1 (m)					10,928	11,028	10,928				
Cota Camada 3 (m)					10,848	10,948	10,848				
Cota Camada 6 (m)					10,808	10,908	10,808				
Cota Camada 7 (m)					10,658	10,758	10,658				
Cota (m)	11,004	11,138	10,826	10,499	10,508	10,608	10,508	10,499	10,826	10,876	11,124
E	709,888.9454	709,888.7448	709,886.1505	709,886.1505	709,885.7221	709,880.7262	709,875.7304	709,875.3022	709,875.3022	709,872.8180	709,872.8003
N	7,089,143.3767	7,089,143.3685	7,089,143.2626	7,089,143.2626	7,089,143.2451	7,089,143.0412	7,089,142.8372	7,089,142.8197	7,089,142.8197	7,089,142.7183	7,089,142.7176

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA PETRONILHA S. FORTUNATO T2

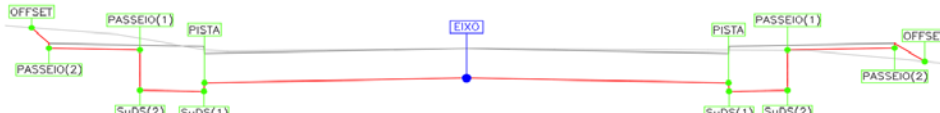
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 45+10											
Dist.eixo (m)	-8,418	-8,009	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	8,064	8,150
Cota Camada 1 (m)					10,943	11,043	10,943				
Cota Camada 3 (m)					10,863	10,963	10,863				
Cota Camada 6 (m)					10,823	10,923	10,823				
Cota Camada 7 (m)					10,673	10,773	10,673				
Cota (m)	10,881	11,153	10,842	10,514	10,523	10,623	10,523	10,515	10,841	10,894	11,241
E	709,889.5449	709,889.1367	709,886.5584	709,886.5584	709,886.1300	709,881.1341	709,876.1383	709,875.7101	709,875.7101	709,873.0768	709,872.9905
N	7,089,133.3928	7,089,133.3762	7,089,133.2709	7,089,133.2709	7,089,133.2534	7,089,133.0495	7,089,132.8455	7,089,132.8281	7,089,132.8281	7,089,132.7206	7,089,132.7170
Station: 46+0											
Dist.eixo (m)	-8,339	-7,881	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	8,131	8,157
Cota Camada 1 (m)					10,956	11,056	10,956				
Cota Camada 3 (m)					10,876	10,976	10,876				
Cota Camada 6 (m)					10,836	10,936	10,836				
Cota Camada 7 (m)					10,686	10,786	10,686				
Cota (m)	10,858	11,164	10,855	10,527	10,536	10,636	10,536	10,528	10,855	10,909	11,195
E	709,889.8744	709,889.4160	709,886.9663	709,886.9663	709,886.5379	709,881.5420	709,876.5462	709,876.1180	709,876.1180	709,873.4180	709,873.3918
N	7,089,123.3979	7,089,123.3792	7,089,123.2792	7,089,123.2792	7,089,123.2617	7,089,123.0578	7,089,122.8539	7,089,122.8364	7,089,122.8364	7,089,122.7262	7,089,122.7251
Station: 46+10											
Dist.eixo (m)	-8,205	-7,931	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	7,755	7,802
Cota Camada 1 (m)					10,873	10,973	10,873				
Cota Camada 3 (m)					10,793	10,893	10,793				
Cota Camada 6 (m)					10,753	10,853	10,753				
Cota Camada 7 (m)					10,603	10,703	10,603				
Cota (m)	10,898	11,081	10,771	10,444	10,453	10,553	10,453	10,444	10,771	10,818	11,046
E	709,890.1479	709,889.8743	709,887.3741	709,887.3741	709,886.9457	709,881.9499	709,876.9541	709,876.5258	709,876.5258	709,874.2018	709,874.1541
N	7,089,113.4008	7,089,113.3896	7,089,113.2876	7,089,113.2876	7,089,113.2701	7,089,113.0661	7,089,112.8622	7,089,112.8447	7,089,112.8447	7,089,112.7498	7,089,112.7479
Station: 47+0											
Dist.eixo (m)	-8,179	-7,981	-5,429	-5,429	-5,000	0,000	5,000	5,429	5,429	7,778	7,885
Cota Camada 1 (m)					10,646	10,746	10,646				
Cota Camada 3 (m)					10,566	10,666	10,566				
Cota Camada 6 (m)					10,526	10,626	10,526				
Cota Camada 7 (m)					10,376	10,476	10,376				
Cota (m)	10,724	10,856	10,545	10,217	10,226	10,326	10,226	10,218	10,545	10,592	10,780
E	709,890.5297	709,890.3326	709,887.7820	709,887.7820	709,887.3536	709,882.3578	709,877.3619	709,876.9337	709,876.9337	709,874.5861	709,874.4792
N	7,089,103.4080	7,089,103.4000	7,089,103.2959	7,089,103.2959	7,089,103.2784	7,089,103.0744	7,089,102.8705	7,089,102.8530	7,089,102.8530	7,089,102.7572	7,089,102.7528

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA PROF. THEODORO BOING

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 0+10													
Dist. Eixo (m):		-6,303	-4,441	-4,441	-3,950	-3,940	0,000	4,070	4,080	4,570	4,570	6,275	
Cota Camada 1 (m)						18,416	18,495	18,414					
Cota Camada 3 (m)						18,336	18,415	18,334					
Cota Camada 6 (m)						18,296	18,375	18,294					
Cota Camada 7 (m)						18,176	18,255	18,174					
Cota (m):		18,513	18,476	17,626	17,616	18,026	18,105	18,024	17,614	17,624	18,474	18,508	
E:		709,020,7610	709,018,9003	709,018,9003	709,018,4105	709,018,4005	709,014,4636	709,010,3967	709,010,3867	709,009,8971	709,009,8971	709,008,1937	
N:		7,090,847,4796	7,090,847,4016	7,090,847,4016	7,090,847,3811	7,090,847,3806	7,090,847,2155	7,090,847,0450	7,090,847,0446	7,090,847,0240	7,090,846,9526		
Station: 1+0													
Dist. Eixo (m):		-6,280	-4,445	-4,445	-3,954	-3,944	0,000	4,056	4,066	4,556	4,556	6,105	
Cota Camada 1 (m)						19,928	20,006	19,925					
Cota Camada 3 (m)						19,848	19,926	19,845					
Cota Camada 6 (m)						19,808	19,886	19,805					
Cota Camada 7 (m)						19,688	19,766	19,685					
Cota (m):		20,024	19,987	19,138	19,128	19,538	19,616	19,535	19,125	19,135	19,985	20,016	
E:		709,021,1571	709,019,3233	709,019,3233	709,018,8335	709,018,8235	709,014,8826	709,010,8305	709,010,8205	709,010,3310	709,010,3310	709,008,7824	
N:		7,090,837,4874	7,090,837,4105	7,090,837,4105	7,090,837,3900	7,090,837,3896	7,090,837,2243	7,090,837,0544	7,090,837,0540	7,090,837,0335	7,090,837,0335	7,090,836,9685	
Station: 1+10													
Dist. Eixo (m):		-6,594	-6,261	-4,459	-4,459	-3,969	0,000	4,041	4,051	4,541	4,541	6,027	6,136
Cota Camada 1 (m)						21,238	21,317	21,236					
Cota Camada 3 (m)						21,158	21,237	21,156					
Cota Camada 6 (m)						21,118	21,197	21,116					
Cota Camada 7 (m)						20,998	21,077	20,996					
Cota (m):		21,766	21,333	21,297	20,448	20,438	20,927	20,846	20,436	20,446	21,295	21,325	21,353
E:		709,021,8893	709,021,5575	709,019,7571	709,019,7571	709,019,2673	709,015,3016	709,011,2644	709,011,2544	709,010,7648	709,010,7648	709,009,2801	709,009,1709
N:		7,090,827,5094	7,090,827,4954	7,090,827,4199	7,090,827,4199	7,090,827,3994	7,090,827,2331	7,090,827,0638	7,090,827,0634	7,090,827,0429	7,090,827,0429	7,090,826,9806	7,090,826,9760
Station: 2+0													
Dist. Eixo (m):		-6,266	-6,243	-4,474	-4,474	-3,984	0,000	4,026	4,036	4,526	4,526	5,991	6,173
Cota Camada 1 (m)						22,275	22,354	22,274					
Cota Camada 3 (m)						22,195	22,274	22,194					
Cota Camada 6 (m)						22,155	22,234	22,154					
Cota Camada 7 (m)						22,035	22,114	22,034					
Cota (m):		22,454	22,370	22,335	21,485	21,475	21,964	21,884	21,474	21,484	22,334	22,363	22,644
E:		709,021,9815	709,021,9578	709,020,1909	709,020,1909	709,019,7012	709,015,7205	709,011,6982	709,011,6882	709,011,1986	709,011,1986	709,009,7346	709,009,5534
N:		7,090,817,5044	7,090,817,5034	7,090,817,4293	7,090,817,4293	7,090,817,4088	7,090,817,2419	7,090,817,0732	7,090,817,0728	7,090,817,0523	7,090,817,0523	7,090,816,9909	7,090,816,9833
Station: 2+9													
Dist. Eixo (m):		-6,371	-6,226	-4,488	-4,488	-3,998	0,000	4,012	4,022	4,512	4,512	5,959	6,613
Cota Camada 1 (m)						22,978	23,058	22,978					
Cota Camada 3 (m)						22,898	22,978	22,898					
Cota Camada 6 (m)						22,858	22,938	22,858					
Cota Camada 7 (m)						22,738	22,818	22,738					
Cota (m):		23,076	23,073	23,038	22,188	22,178	22,668	22,588	22,178	22,188	23,038	23,067	23,820
E:		709,022,4651	709,022,3202	709,020,5836	709,020,5836	709,020,0939	709,016,0998	709,012,0909	709,012,0809	709,011,5913	709,011,5913	709,010,1460	709,009,4931
N:		7,090,808,4646	7,090,808,4586	7,090,808,3857	7,090,808,3857	7,090,808,3652	7,090,808,1977	7,090,808,0296	7,090,808,0292	7,090,808,0087	7,090,808,0087	7,090,807,9480	7,090,807,9207
Station: 2+10													
Dist. Eixo (m):		-6,361	-6,219	-4,484	-4,484	-3,994	0,000	4,016	4,026	4,516	4,516	5,961	6,682
Cota Camada 1 (m)						23,039	23,119	23,039					
Cota Camada 3 (m)						22,959	23,039	22,959					
Cota Camada 6 (m)						22,919	22,999	22,919					
Cota Camada 7 (m)						22,799	22,879	22,799					
Cota (m):		23,139	23,134	23,099	22,249	22,239	22,729	22,649	22,239	22,248	23,098	23,127	23,948
E:		709,022,4990	709,022,3568	709,020,6236	709,020,6236	709,020,1340	709,016,1450	709,012,1330	709,012,1230	709,011,6336	709,011,6336	709,010,1906	709,009,4702
N:		7,090,807,5540	7,090,807,5472	7,090,807,4646	7,090,807,4646	7,090,807,4412	7,090,807,2509	7,090,807,0595	7,090,807,0591	7,090,807,0357	7,090,807,0357	7,090,806,9669	7,090,806,9325
Station: 3+0													
Dist. Eixo (m):		-6,664	-6,143	-4,441	-4,441	-3,951	0,000	4,059	4,069	4,559	4,559	5,983	6,086
Cota Camada 1 (m)						23,532	23,611	23,530					
Cota Camada 3 (m)						23,452	23,531	23,450					
Cota Camada 6 (m)						23,412	23,491	23,410					
Cota Camada 7 (m)						23,292	23,371	23,290					
Cota (m):		23,378	23,626	23,592	22,742	22,732	23,221	23,140	22,730	22,739	23,590	23,618	23,649
E:		709,023,2775	709,022,7571	709,021,0575	709,021,0575	709,020,5678	709,016,8215	709,012,5669	709,012,5569	709,012,0674	709,012,0674	709,010,6451	709,010,5421
N:		7,090,797,5798	7,090,797,5550	7,090,797,4739	7,090,797,4739	7,090,797,4505	7,090,797,2623	7,090,797,0689	7,090,797,0684	7,090,797,0450	7,090,797,0450	7,090,796,9772	7,090,796,9723
Station: 3+10													
Dist. Eixo (m):		-6,654	-6,066	-4,398	-4,398	-3,908	0,000	4,102	4,112	4,602	4,602	6,005	6,126
Cota Camada 1 (m)						23,752	23,830	23,748					
Cota Camada 3 (m)						23,672	23,750	23,668					
Cota Camada 6 (m)						23,632	23,710	23,628					
Cota Camada 7 (m)						23,512	23,590	23,508					
Cota (m):		23,553	23,845	23,812	22,962	22,952	23,440	23,358	22,948	22,957	23,808	23,836	23,855
E:		709,023,7446	709,023,1575	709,021,4913	709,021,4913	709,021,0017	709,017,0979	709,013,0007	709,012,9907	709,012,5013	709,012,5013	709,011,0995	709,010,9786
N:		7,090,787,5907	7,090,787,5627	7,090,787,4832	7,090,787,4832	7,090,787,4598	7,090,787,2736	7,090,787,0782	7,090,787,0777	7,090,787,0544	7,090,787,0544	7,090,786,9875	7,090,786,9817
Station: 4+0													
Dist. Eixo (m):		-6,719	-5,990	-4,356	-4,356	-3,865	0,000	4,145	4,155	4,645	4,645	6,027	6,135
Cota Camada 1 (m)						23,899	23,776	23,693					
Cota Camada 3 (m)						23,819	23,696	23,613					
Cota Camada 6 (m)						23,579	23,656	23,573					
Cota Camada 7 (m)						23,459	23,536	23,453					
Cota (m):		23,405	23,792	23,759	22,909	22,899	23,386	23,303	22,893	22,903	23,752	23,780	23,808
E:		709,024,2857	709,023,5579	709,021,9252	709,021,9252	709,021,4355	709,017,5744	709,013,4345	709,013,4246	709,012,9351	709,012,9351	709,011,5540	709,011,4461
N:		7,090,777,6051	7,090,777,5704	7,090,777,4925	7,090,777,4925	7,090,777,4692	7,090,777,2850	7,090,777,0875	7,090,777,0870	7,090,777,0637	7,090,777,0637	7,090,776,9978	7,090,776,9926
Station: 4+10													
Dist. Eixo (m):		-6,585	-5,914	-4,313	-4,313	-3,823	0,000	4,187	4,197	4,687	4,687	6,049	6,096
Cota Camada 1 (m)													

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PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 5+10													
Dist. Eixo (m):	-6,136	-5,762	-4,228	-4,228	-3,737	-3,727	0,000	4,273	4,283	4,773	4,773	6,093	6,163
Cota Camada 1 (m)						22,608	22,683	22,598					
Cota Camada 3 (m)						22,528	22,603	22,518					
Cota Camada 6 (m)						22,488	22,563	22,478					
Cota Camada 7 (m)						22,368	22,443	22,358					
Cota (m):	22,549	22,699	22,668	21,818	21,808	22,218	22,293	22,208	21,798	21,807	22,658	22,684	22,737
E:	709,025,1330	709,024,7590	709,023,2267	709,023,2267	709,022,7370	709,022,7270	709,019,0039	709,014,7361	709,014,7261	709,014,2366	709,014,2366	709,012,9174	709,012,8474
N:	7,090,747,6114	7,090,747,5936	7,090,747,5205	7,090,747,5205	7,090,747,4971	7,090,747,4967	7,090,747,3191	7,090,747,1155	7,090,747,1150	7,090,747,0916	7,090,747,0916	7,090,747,0287	7,090,747,0254
Station: 6+0													
Dist. Eixo (m):		-5,788	-4,185	-4,185	-3,695	-3,685	0,000	4,315	4,325	4,815	4,815		6,115
Cota Camada 1 (m)						22,221	22,295	22,208					
Cota Camada 3 (m)						22,141	22,215	22,128					
Cota Camada 6 (m)						22,101	22,175	22,088					
Cota Camada 7 (m)						21,981	22,055	21,968					
Cota (m):		22,313	22,281	21,431	21,421	21,831	21,905	21,818	21,408	21,418	22,268		22,294
E:		709,025,2623	709,023,6605	709,023,6605	709,023,1709	709,023,1609	709,019,4804	709,015,1699	709,015,1599	709,014,6705	709,014,6705	709,014,3719	
N:		7,090,737,6062	7,090,737,5298	7,090,737,5298	7,090,737,5065	7,090,737,5060	7,090,737,3304	7,090,737,1248	7,090,737,1243	7,090,737,1010	7,090,737,1010		7,090,737,0390
Station: 6+10													
Dist. Eixo (m):		-5,728	-4,193	-4,193	-3,703	-3,693	0,000	4,307	4,317	4,807	4,807		6,133
Cota Camada 1 (m)						21,833	21,907	21,821					
Cota Camada 3 (m)						21,753	21,827	21,741					
Cota Camada 6 (m)						21,713	21,787	21,701					
Cota Camada 7 (m)						21,593	21,667	21,581					
Cota (m):		21,924	21,893	21,043	21,033	21,443	21,517	21,431	21,021	21,031	21,880		21,907
E:		709,025,6784	709,024,1456	709,024,1456	709,023,6559	709,023,6459	709,019,9569	709,015,6551	709,015,6451	709,015,1557	709,015,1557	709,013,8308	
N:		7,090,727,6147	7,090,727,5416	7,090,727,5416	7,090,727,5182	7,090,727,5178	7,090,727,3418	7,090,727,1366	7,090,727,1361	7,090,727,1127	7,090,727,1127		7,090,727,0495
Station: 7+0													
Dist. Eixo (m):		-5,708	-4,215	-4,215	-3,725	-3,715	0,000	4,285	4,295	4,785	4,785		6,151
Cota Camada 1 (m)						21,471	21,545	21,460					
Cota Camada 3 (m)						21,391	21,465	21,380					
Cota Camada 6 (m)						21,351	21,425	21,340					
Cota Camada 7 (m)						21,231	21,305	21,220					
Cota (m):		21,561	21,531	20,681	20,671	21,081	21,155	21,070	20,660	20,670	21,520		21,547
E:		709,026,1345	709,024,6439	709,024,6439	709,024,1543	709,024,1443	709,020,4334	709,016,1533	709,016,1433	709,015,6539	709,015,6537	709,014,2898	
N:		7,090,717,6251	7,090,717,5540	7,090,717,5540	7,090,717,5306	7,090,717,5302	7,090,717,3531	7,090,717,1490	7,090,717,1485	7,090,717,1251	7,090,717,1251		7,090,717,0601
Station: 7+10													
Dist. Eixo (m):		-5,727	-4,250	-4,250	-3,759	-3,749	0,000	4,251	4,261	4,751	4,751		6,168
Cota Camada 1 (m)						21,146	21,221	21,136					
Cota Camada 3 (m)						21,066	21,141	21,056					
Cota Camada 6 (m)						21,026	21,101	21,016					
Cota Camada 7 (m)						20,906	20,981	20,896					
Cota (m):		21,235	21,205	20,356	20,346	20,756	20,831	20,746	20,336	20,345	21,196		21,224
E:		709,026,6303	709,025,1547	709,025,1547	709,024,6650	709,024,6550	709,020,9098	709,016,6641	709,016,6541	709,016,1646	709,016,1646	709,014,7488	
N:		7,090,707,6374	7,090,707,5670	7,090,707,5670	7,090,707,5436	7,090,707,5432	7,090,707,3645	7,090,707,1620	7,090,707,1615	7,090,707,1381	7,090,707,1381		7,090,707,0706
Station: 8+0													
Dist. Eixo (m):		-5,746	-4,284	-4,284	-3,794	-3,784	0,000	4,216	4,226	4,716	4,716		6,186
Cota Camada 1 (m)						20,857	20,933	20,849					
Cota Camada 3 (m)						20,777	20,853	20,769					
Cota Camada 6 (m)						20,737	20,813	20,729					
Cota Camada 7 (m)						20,617	20,693	20,609					
Cota (m):		20,946	20,917	20,067	20,057	20,467	20,543	20,459	20,049	20,058	20,909		20,938
E:		709,027,1261	709,025,6654	709,025,6654	709,025,1758	709,025,1658	709,021,3863	709,017,1748	709,017,1648	709,016,6754	709,016,6754	709,015,2077	
N:		7,090,697,6497	7,090,697,5800	7,090,697,5800	7,090,697,5566	7,090,697,5561	7,090,697,3759	7,090,697,1750	7,090,697,1745	7,090,697,1511	7,090,697,1511		7,090,697,0811
Station: 8+10													
Dist. Eixo (m):		-5,766	-4,318	-4,318	-3,828	-3,818	0,000	4,182	4,192	4,682	4,682		6,186
Cota Camada 1 (m)						20,606	20,682	20,599					
Cota Camada 3 (m)						20,526	20,602	20,519					
Cota Camada 6 (m)						20,486	20,562	20,479					
Cota Camada 7 (m)						20,366	20,442	20,359					
Cota (m):		20,695	20,666	19,816	19,806	20,216	20,292	20,209	19,799	19,809	20,659		20,689
E:		709,027,6219	709,026,1762	709,026,1762	709,025,6865	709,025,6766	709,021,8628	709,017,6856	709,017,6756	709,017,1862	709,017,1862	709,015,6835	
N:		7,090,687,6619	7,090,687,5930	7,090,687,5930	7,090,687,5696	7,090,687,5691	7,090,687,3872	7,090,687,1879	7,090,687,1875	7,090,687,1641	7,090,687,1641		7,090,687,0924
Station: 9+0													
Dist. Eixo (m):		-5,785	-4,353	-4,353	-3,862	-3,852	0,000	4,148	4,158	4,648	4,648		6,151
Cota Camada 1 (m)						20,392	20,469	20,386					
Cota Camada 3 (m)						20,312	20,389	20,306					
Cota Camada 6 (m)						20,272	20,349	20,266					
Cota Camada 7 (m)						20,152	20,229	20,146					
Cota (m):		20,480	20,452	19,602	19,592	20,002	20,079	19,996	19,586	19,596	20,446		20,476
E:		709,028,1177	709,026,6869	709,026,6869	709,026,1973	709,026,1873	709,022,3393	709,018,1964	709,018,1864	709,017,6969	709,017,6969	709,016,1951	
N:		7,090,677,6742	7,090,677,6060	7,090,677,6060	7,090,677,5826	7,090,677,5821	7,090,677,3986	7,090,677,2009	7,090,677,2005	7,090,677,1771	7,090,677,1771		7,090,677,1055
Station: 9+10													
Dist. Eixo (m):		-5,804	-4,387	-4,387	-3,897	-3,887	0,000	4,113	4,123	4,613	4,613		6,116
Cota Camada 1 (m)						20,215	20,293	20,210					
Cota Camada 3 (m)						20,135	20,213	20,130					
Cota Camada 6 (m)						20,095	20,173	20,080					
Cota Camada 7 (m)						19,975	20,053	19,970					
Cota (m):		20,303	20,275	19,425	19,415	19,825	19,903	19,820	19,410	19,420	20,270		20,300
E:		709,028,6135	709,027,1977	709,027,1977	709,026,7081	709,026,6981	709,022,8158	709,018,7071	709,018,6971	709,018,2077	709,018,2077	709,016,7067	
N:		7,090,667,6865	7,090,667,6190	7,090,667,6190	7,090,667,5956	7,090,667,5951	7,090,667,4099	7,090,667,2139	7,090,667,2135	7,090,667,1901	7,090,667,1901		7,090,667,1185
Station: 10+0													
Dist. Eixo (m):		-5,824	-4,421	-4,421	-3,931	-3,921	0,000	4,079	4,089	4,579	4,579		6,081
Cota Camada 1 (m)						20,075	20,153	20,072					
Cota Camada 3 (m)						19,995	20,073	19,992					
Cota Camada 6 (

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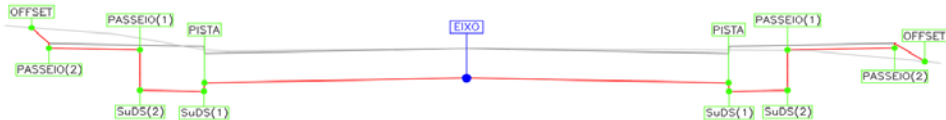
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 11+0													
Dist. Eixo (m):		-5,940	-4,490	-4,490	-4,000	-3,990	0,000	4,010	4,020	4,510	4,510	6,011	
Cota Camada 1 (m)						19,906	19,986	19,906					
Cota Camada 3 (m)						19,826	19,906	19,826					
Cota Camada 6 (m)						19,786	19,866	19,786					
Cota Camada 7 (m)						19,666	19,746	19,666					
Cota (m):		19,995	19,966	19,116	19,106	19,516	19,596	19,516	19,106	19,116	19,966	19,996	
E:		709,030,1788	709,028,7300	709,028,7300	709,028,2404	709,028,2304	709,024,2453	709,020,2394	709,020,2294	709,019,7400	709,019,7400	709,018,2414	
N:		7,090,637,7271	7,090,637,6579	7,090,637,6579	7,090,637,6346	7,090,637,6341	7,090,637,4440	7,090,637,2529	7,090,637,2524	7,090,637,2291	7,090,637,2291	7,090,637,1576	
Station: 11+3													
Dist. Eixo (m):		-5,967	-4,500	-4,500	-4,010	-4,000	0,000	4,000	4,010	4,500	4,500	6,000	
Cota Camada 1 (m)						19,894	19,974	19,894					
Cota Camada 3 (m)						19,814	19,894	19,814					
Cota Camada 6 (m)						19,774	19,854	19,774					
Cota Camada 7 (m)						19,654	19,734	19,654					
Cota (m):		19,983	19,954	19,104	19,094	19,504	19,584	19,504	19,094	19,104	19,954	19,984	
E:		709,030,3505	709,028,8848	709,028,8848	709,028,3951	709,028,3852	709,024,3897	709,020,3944	709,020,3844	709,019,8950	709,019,8950	709,018,3964	
N:		7,090,634,7013	7,090,634,6313	7,090,634,6313	7,090,634,6080	7,090,634,6075	7,090,634,4169	7,090,634,2263	7,090,634,2258	7,090,634,2025	7,090,634,2025	7,090,634,1310	
Station: 11+10													
Dist. Eixo (m):		-5,924	-4,440	-4,440	-3,950	-3,940	0,000	4,183					
Cota Camada 1 (m)						19,879	19,957	19,874					
Cota Camada 3 (m)						19,799	19,877	19,794					
Cota Camada 6 (m)						19,759	19,837	19,754					
Cota Camada 7 (m)						19,639	19,717	19,634					
Cota (m):		19,968	19,938	19,089	19,079	19,489	19,567	19,484					
E:		709,030,7414	709,029,2600	709,029,2600	709,028,7708	709,028,7608	709,024,8289	709,020,6539					
N:		7,090,627,8347	7,090,627,7411	7,090,627,7411	7,090,627,7102	7,090,627,7096	7,090,627,4613	7,090,627,1977					
Station: 12+0													
Dist. Eixo (m):		-5,860	-4,472	-4,472	-3,982	-3,972	0,000	4,445					
Cota Camada 1 (m)						19,861	19,940	19,851					
Cota Camada 3 (m)						19,781	19,860	19,771					
Cota Camada 6 (m)						19,741	19,820	19,731					
Cota Camada 7 (m)						19,621	19,700	19,611					
Cota (m):		19,948	19,921	19,071	19,061	19,471	19,550	19,461					
E:		709,031,3071	709,029,9219	709,029,9219	709,029,4327	709,029,4227	709,025,4591	709,021,0231					
N:		7,090,617,8505	7,090,617,7630	7,090,617,7630	7,090,617,7321	7,090,617,7315	7,090,617,4812	7,090,617,2011					
Station: 12+7													
Dist. Eixo (m):		-5,777	-4,495	-4,495	-4,005	-3,995	0,000	4,000	4,010	4,500	4,500	6,011	
Cota Camada 1 (m)						19,848	19,928	19,848					
Cota Camada 3 (m)						19,768	19,848	19,768					
Cota Camada 6 (m)						19,728	19,808	19,728					
Cota Camada 7 (m)						19,608	19,688	19,608					
Cota (m):		19,933	19,908	19,058	19,048	19,458	19,538	19,458	19,048	19,057	19,908	19,938	
E:		709,031,6904	709,030,4110	709,030,4110	709,029,9218	709,029,9118	709,025,9248	709,021,9309	709,021,9209	709,021,4319	709,021,4319	709,019,9236	
N:		7,090,610,4709	7,090,610,3901	7,090,610,3901	7,090,610,3592	7,090,610,3586	7,090,610,1068	7,090,609,8546	7,090,609,8540	7,090,609,8231	7,090,609,8231	7,090,609,7279	
Station: 12+10													
Dist. Eixo (m):		-5,794	-4,490	-4,490	-4,000	-3,990	0,000	4,010	4,020	4,510	4,510	6,035	
Cota Camada 1 (m)						19,843	19,923	19,843					
Cota Camada 3 (m)						19,763	19,843	19,763					
Cota Camada 6 (m)						19,723	19,803	19,723					
Cota Camada 7 (m)						19,603	19,683	19,603					
Cota (m):		19,929	19,903	19,053	19,043	19,453	19,533	19,453	19,043	19,053	19,903	19,933	
E:		709,031,8109	709,030,5078	709,030,5078	709,030,0179	709,030,0079	709,026,0205	709,022,0133	709,022,0033	709,021,5136	709,021,5136	709,019,9897	
N:		7,090,607,7100	7,090,607,6622	7,090,607,6622	7,090,607,6442	7,090,607,6439	7,090,607,4976	7,090,607,3507	7,090,607,3503	7,090,607,3323	7,090,607,3323	7,090,607,2764	
Station: 13+0													
Dist. Eixo (m):		-5,864	-4,453	-4,453	-3,962	-3,952	0,000	4,048	4,058	4,548	4,548	6,111	
Cota Camada 1 (m)						19,827	19,906	19,825					
Cota Camada 3 (m)						19,747	19,826	19,745					
Cota Camada 6 (m)						19,707	19,786	19,705					
Cota Camada 7 (m)						19,587	19,666	19,585					
Cota (m):		19,915	19,887	19,037	19,027	19,437	19,516	19,435	19,025	19,035	19,885	19,916	
E:		709,032,2471	709,030,8365	709,030,8365	709,030,3467	709,030,3367	709,026,3870	709,022,3420	709,022,3320	709,021,8423	709,021,8423	709,020,2803	
N:		7,090,597,7193	7,090,597,6675	7,090,597,6675	7,090,597,6496	7,090,597,6492	7,090,597,5043	7,090,597,3560	7,090,597,3556	7,090,597,3377	7,090,597,3377	7,090,597,2804	
Station: 13+10													
Dist. Eixo (m):		-5,934	-4,415	-4,415	-3,925	-3,915	0,000	4,085	4,095	4,585	4,585	6,064	
Cota Camada 1 (m)						19,811	19,889	19,807					
Cota Camada 3 (m)						19,731	19,809	19,727					
Cota Camada 6 (m)						19,691	19,769	19,687					
Cota Camada 7 (m)						19,571	19,649	19,567					
Cota (m):		19,901	19,870	19,021	19,011	19,421	19,499	19,417	19,007	19,017	19,866	19,896	
E:		709,032,6834	709,031,1653	709,031,1653	709,030,6754	709,030,6654	709,026,7535	709,022,6707	709,022,6607	709,021,1711	709,021,1711	709,020,6936	
N:		7,090,587,7285	7,090,587,6729	7,090,587,6729	7,090,587,6549	7,090,587,6545	7,090,587,5111	7,090,587,3613	7,090,587,3610	7,090,587,3430	7,090,587,3430	7,090,587,2888	
Station: 13+17													
Dist. Eixo (m):		-5,983	-4,388	-4,388	-3,898	-3,888	0,000	4,112	4,122	4,612	4,612	6,164	
Cota Camada 1 (m)						19,799	19,877	19,794					
Cota Camada 3 (m)						19,719	19,797	19,714					
Cota Camada 6 (m)						19,679	19,757	19,674					
Cota Camada 7 (m)						19,559	19,637	19,554					
Cota (m):		19,891	19,869	19,009	18,999	19,409	19,487	19,404	18,994	19,004	19,854	19,885	
E:		709,032,9930	709,031,3986	709,031,3986	709,030,9087	709,030,8987	709,027,0138	709,022,9041	709,022,8941	709,022,4044	709,022,4044	709,020,8536	
N:		7,090,580,6375	7,090,580,5790	7,090,580,5790	7,090,580,5611	7,090,580,5607	7,090,580,4182	7,090,580,2675	7,090,580,2671	7,090,580,2492	7,090,580,2492	7,090,580,1923	
Station: 14+0													
Dist. Eixo (m):		-5,927	-4,318	-4,318	-3,828	-3,818	0,000	4,190	4,200	4,690	4,690	6,214	
Cota Camada 1 (m)						19,795	19,871	19,787					
Cota Camada 3 (m)						19,715	19,791	19,707					
Cota Camada 6 (m)						19,675	19,751	19,667					
Cota Camada 7 (m)						19,555	19,631	19,547					
Cota (m):		19,887	19,854	19,005	18,995	19,405	19,481	19,397	18,987	18,997	19,847	19,877	
E:		709,033,1045	709,031,5028	709,031,5028	709,031,0148								

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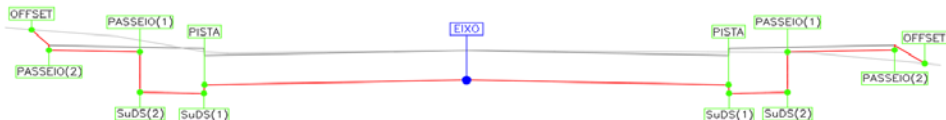
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 14+10													
Dist. Eixo (m):		-5,972	-4,443	-4,443	-3,953	-3,943	0,000	4,058	4,068	4,558	4,558	6,365	
Cota Camada 1 (m)						19,760	19,839	19,758					
Cota Camada 3 (m)						19,680	19,759	19,678					
Cota Camada 6 (m)						19,640	19,719	19,638					
Cota Camada 7 (m)						19,520	19,599	19,518					
Cota (m):		19,851	19,820	18,970	18,960	19,370	19,449	19,368	18,958	18,968	19,818	19,854	
E:		709,034,8499	709,033,3875	709,033,3875	709,032,9184	709,032,9089	709,029,1356	709,025,2526	709,025,2430	709,024,7742	709,024,7742	709,023,0454	
N:		7,090,569,4623	7,090,569,0184	7,090,569,0184	7,090,568,8760	7,090,568,8731	7,090,567,7278	7,090,566,5491	7,090,566,5462	7,090,566,4039	7,090,566,4039	7,090,565,8791	
Station: 14+13													
Dist. Eixo (m):		-5,837	-4,333	-4,333	-3,843	-3,833	0,000	4,174	4,184	4,674	4,674	6,473	
Cota Camada 1 (m)						19,745	19,822	19,738					
Cota Camada 3 (m)						19,665	19,742	19,658					
Cota Camada 6 (m)						19,625	19,702	19,618					
Cota Camada 7 (m)						19,505	19,582	19,498					
Cota (m):		19,835	19,805	18,955	18,945	19,355	19,432	19,348	18,938	18,948	19,798	19,834	
E:		709,035,8491	709,034,4478	709,034,4478	709,033,9912	709,033,9819	709,030,4125	709,026,5249	709,026,5156	709,026,0592	709,026,0592	709,024,8336	
N:		7,090,566,1700	7,090,565,6221	7,090,565,6221	7,090,565,4436	7,090,565,4399	7,090,564,0444	7,090,562,5245	7,090,562,5209	7,090,562,3424	7,090,562,3424	7,090,561,6873	
Station: 15+0													
Dist. Eixo (m):		-5,908	-4,344	-4,344	-3,854	-3,844	0,000	4,164	4,174	4,664	4,664	6,386	
Cota Camada 1 (m)						19,712	19,789	19,706					
Cota Camada 3 (m)						19,632	19,709	19,626					
Cota Camada 6 (m)						19,592	19,669	19,586					
Cota Camada 7 (m)						19,472	19,549	19,466					
Cota (m):		19,803	19,772	18,922	18,912	19,322	19,399	19,316	18,906	18,916	19,766	19,800	
E:		709,038,1360	709,036,6801	709,036,6801	709,036,2235	709,036,2142	709,032,8339	709,028,7560	709,028,7467	709,028,2904	709,028,2904	709,026,6867	
N:		7,090,560,5138	7,090,559,9445	7,090,559,9445	7,090,559,7660	7,090,559,7624	7,090,558,3626	7,090,556,8465	7,090,556,8429	7,090,556,6645	7,090,556,6645	7,090,556,0375	
Station: 15+10													
Dist. Eixo (m):		-5,640	-4,137	-4,137	-3,647	-3,637	0,000	4,375	4,385	4,875	4,875	6,902	
Cota Camada 1 (m)						19,648	19,721	19,633					
Cota Camada 3 (m)						19,568	19,641	19,553					
Cota Camada 6 (m)						19,528	19,601	19,513					
Cota Camada 7 (m)						19,408	19,481	19,393					
Cota (m):		19,738	19,708	18,858	18,848	19,258	19,331	19,243	18,833	18,843	19,693	19,734	
E:		709,041,5282	709,040,1286	709,040,1286	709,039,6720	709,039,6627	709,036,2751	709,032,2008	709,032,1915	709,031,7352	709,031,7352	709,029,8466	
N:		7,090,551,1029	7,090,550,5557	7,090,550,5557	7,090,550,3772	7,090,550,3736	7,090,549,0491	7,090,547,4562	7,090,547,4526	7,090,547,2742	7,090,547,2742	7,090,546,5358	
Station: 15+12													
Dist. Eixo (m):		-5,528	-4,026	-4,026	-3,535	-3,525	0,000	4,487	4,497	4,987	4,987	7,035	
Cota Camada 1 (m)						19,634	19,704	19,615					
Cota Camada 3 (m)						19,554	19,624	19,535					
Cota Camada 6 (m)						19,514	19,584	19,495					
Cota Camada 7 (m)						19,394	19,464	19,375					
Cota (m):		19,724	19,694	18,844	18,834	19,244	19,314	19,225	18,815	18,824	19,674	19,715	
E:		709,042,1713	709,040,7717	709,040,7717	709,040,3152	709,040,3059	709,037,0226	709,032,8440	709,032,8347	709,032,3783	709,032,3783	709,030,4701	
N:		7,090,549,1504	7,090,548,6032	7,090,548,6032	7,090,548,4247	7,090,548,4211	7,090,547,1374	7,090,545,5037	7,090,545,5001	7,090,545,3217	7,090,545,3217	7,090,544,5756	
Station: 15+19													
Dist. Eixo (m):		-5,601	-4,206	-4,206	-3,716	-3,706	0,000	4,325	4,335	4,825	4,825	6,952	
Cota Camada 1 (m)						19,562	19,636	19,549					
Cota Camada 3 (m)						19,482	19,556	19,469					
Cota Camada 6 (m)						19,442	19,516	19,429					
Cota Camada 7 (m)						19,322	19,396	19,309					
Cota (m):		19,649	19,622	18,772	18,762	19,172	19,246	19,159	18,749	18,759	19,609	19,652	
E:		709,044,7399	709,043,3774	709,043,3774	709,042,8988	709,042,8891	709,039,3712	709,035,0484	709,035,0386	709,034,5602	709,034,5602	709,032,4842	
N:		7,090,540,9588	7,090,540,4089	7,090,540,4089	7,090,540,2294	7,090,540,2258	7,090,539,7471	7,090,538,1115	7,090,538,1093	7,090,538,7033	7,090,538,7033	7,090,538,2433	
Station: 16+0													
Dist. Eixo (m):		-5,598	-4,204	-4,204	-3,713	-3,703	0,000	4,305	4,315	4,805	4,805	6,934	
Cota Camada 1 (m)						19,560	19,634	19,548					
Cota Camada 3 (m)						19,480	19,554	19,468					
Cota Camada 6 (m)						19,440	19,514	19,428					
Cota Camada 7 (m)						19,320	19,394	19,308					
Cota (m):		19,647	19,620	18,770	18,760	19,170	19,244	19,158	18,748	18,758	19,607	19,650	
E:		709,044,7879	709,043,4251	709,043,4251	709,042,9461	709,042,9363	709,039,3172	709,035,1101	709,035,1003	709,034,6215	709,034,6215	709,032,5409	
N:		7,090,540,7247	7,090,540,4289	7,090,540,4289	7,090,540,2494	7,090,540,2458	7,090,539,5373	7,090,538,6241	7,090,538,6219	7,090,538,5180	7,090,538,5180	7,090,538,0664	
Station: 16+7													
Dist. Eixo (m):		-5,934	-4,393	-4,393	-3,903	-3,893	0,000	4,121	4,131	4,621	4,621	6,160	
Cota Camada 1 (m)						19,479	19,556	19,474					
Cota Camada 3 (m)						19,399	19,476	19,394					
Cota Camada 6 (m)						19,359	19,436	19,354					
Cota Camada 7 (m)						19,239	19,316	19,234					
Cota (m):		19,569	19,538	18,689	18,679	19,089	19,166	19,084	18,674	18,684	19,534	19,565	
E:		709,046,2765	709,044,7386	709,044,7386	709,044,2494	709,044,2394	709,040,3546	709,036,2420	709,036,2320	709,035,7430	709,035,7430	709,034,2074	
N:		7,090,532,4745	7,090,532,3769	7,090,532,3769	7,090,532,3458	7,090,532,3452	7,090,532,0986	7,090,531,8376	7,090,531,8369	7,090,531,8059	7,090,531,8059	7,090,531,7084	
Station: 16+10													
Dist. Eixo (m):		-6,069	-4,498	-4,498	-4,008	-3,998	0,000	4,006	4,016	4,506	4,506	5,962	
Cota Camada 1 (m)						19,449	19,528	19,448					
Cota Camada 3 (m)						19,369	19,448	19,368					
Cota Camada 6 (m)						19,329	19,408	19,328					
Cota Camada 7 (m)						19,209	19,288	19,208					
Cota (m):		19,540	19,508	18,659	18,649	19,059	19,138	19,058	18,648	18,658	19,508	19,537	
E:		709,046,5692	709,045,0007	709,045,0007	709,044,5115	709,044,5015	709,040,5119	709,036,5139	709,036,5039	709,036,0149	709,036,0149	709,034,5617	
N:		7,090,530,0058	7,090,529,9063	7,090,529,9063	7,090,529,8752	7,090,529,8746	7,090,529,6213	7,090,529,3675	7,090,529,3669	7,090,529,3359	7,090,529,3359	7,090,529,2436	
Station: 17+0													
Dist. Eixo (m):		-6,099	-4,509	-4,509	-4,018	-4,008	0,000	3,989	3,999	4,489	4,489	5,811	
Cota Camada 1 (m)						19,325	19,405	19,325					
Cota Camada 3 (m)						19,245	19,325	19,245					
Cota Camada 6 (m)						19,205	19,285	19,205					

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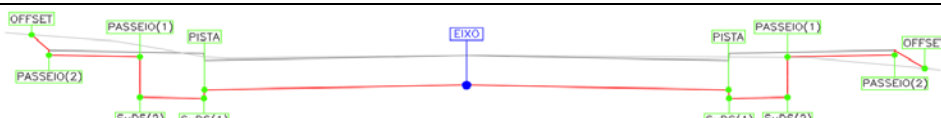
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 17+10													
Dist. Eixo (m):		-6,009	-4,566	-4,566	-4,075	-4,065	0,000	3,935	3,945	4,435	4,435	5,684	
Cota Camada 1 (m)						19,181	19,262	19,184					
Cota Camada 3 (m)						19,101	19,182	19,104					
Cota Camada 6 (m)						19,061	19,142	19,064					
Cota Camada 7 (m)						18,941	19,022	18,944					
Cota (m):		19,270	19,241	18,391	18,381	18,791	18,872	18,794	18,384	18,394	19,244	19,269	
E:		709,047,7473	709,046,3063	709,046,3063	709,045,8170	709,045,8070	709,041,7488	709,037,8211	709,037,8111	709,037,3220	709,037,3220	709,036,0747	
N:		7,090,510,0159	7,090,509,9303	7,090,509,9303	7,090,509,9012	7,090,509,9006	7,090,509,8596	7,090,509,4264	7,090,509,4258	7,090,509,3967	7,090,509,3967	7,090,509,3227	
Station: 18+0													
Dist. Eixo (m):		-5,930	-4,545	-4,545	-4,055	-4,045	0,000	3,955	3,965	4,455	4,455	5,874	
Cota Camada 1 (m)						19,021	19,102	19,023					
Cota Camada 3 (m)						18,941	19,022	18,943					
Cota Camada 6 (m)						18,901	18,982	18,903					
Cota Camada 7 (m)						18,781	18,862	18,783					
Cota (m):		19,108	19,081	18,231	18,221	18,631	18,712	18,633	18,223	18,233	19,083	19,111	
E:		709,048,2615	709,046,8784	709,046,8784	709,046,3891	709,046,3791	709,042,3416	709,038,3931	709,038,3832	709,037,8940	709,037,8940	709,036,4782	
N:		7,090,500,0288	7,090,499,9467	7,090,499,9467	7,090,499,9176	7,090,499,9170	7,090,499,8772	7,090,499,4427	7,090,499,4421	7,090,499,4131	7,090,499,4131	7,090,499,3290	
Station: 18+10													
Dist. Eixo (m):		-5,852	-4,515	-4,515	-4,025	-4,015	0,000	3,985	3,995	4,485	4,485	5,906	
Cota Camada 1 (m)						18,842	18,923	18,843					
Cota Camada 3 (m)						18,762	18,843	18,763					
Cota Camada 6 (m)						18,722	18,803	18,723					
Cota Camada 7 (m)						18,602	18,683	18,603					
Cota (m):		18,929	18,902	18,052	18,042	18,452	18,533	18,453	18,043	18,053	18,903	18,931	
E:		709,048,7757	709,047,4418	709,047,4418	709,046,9525	709,046,9425	709,042,9345	709,038,9565	709,038,9465	709,038,4574	709,038,4572	709,037,0386	
N:		7,090,490,0417	7,090,489,9625	7,090,489,9625	7,090,489,9334	7,090,489,9328	7,090,489,8948	7,090,489,4586	7,090,489,4580	7,090,489,4289	7,090,489,4289	7,090,489,3447	
Station: 18+15													
Dist. Eixo (m):						-3,999	0,000	4,000					
Cota Camada 1 (m)						18,744	18,824	18,744					
Cota Camada 3 (m)						18,664	18,744	18,664					
Cota Camada 6 (m)						18,624	18,704	18,624					
Cota Camada 7 (m)						18,504	18,584	18,504					
Cota (m):						18,354	18,434	18,354					
E:						709,047,2311	709,043,2391	709,039,2460					
N:						7,090,484,8020	7,090,484,8649	7,090,484,3277					
Station: 19+0													
Dist. Eixo (m):						-3,994	0,000	3,989					
Cota Camada 1 (m)						18,646	18,726	18,646					
Cota Camada 3 (m)						18,566	18,646	18,566					
Cota Camada 6 (m)						18,526	18,606	18,526					
Cota Camada 7 (m)						18,406	18,486	18,406					
Cota (m):						18,256	18,336	18,256					
E:						709,047,4418	709,043,4519	709,039,4671					
N:						7,090,479,8834	7,090,479,7085	7,090,479,5339					
Station: 19+10													
Dist. Eixo (m):						-3,984	0,000	3,994					
Cota Camada 1 (m)						18,452	18,531	18,452					
Cota Camada 3 (m)						18,372	18,451	18,372					
Cota Camada 6 (m)						18,332	18,411	18,332					
Cota Camada 7 (m)						18,212	18,291	18,212					
Cota (m):						18,062	18,141	18,062					
E:						709,047,8699	709,043,8898	709,039,8992					
N:						7,090,469,8925	7,090,469,7181	7,090,469,5432					
Station: 19+19													
Dist. Eixo (m):		-5,782	-4,500	-4,500	-4,010	-4,000	0,000	4,000	4,010	4,500	4,500	6,000	
Cota Camada 1 (m)						18,281	18,361	18,281					
Cota Camada 3 (m)						18,201	18,281	18,201					
Cota Camada 6 (m)						18,161	18,241	18,161					
Cota Camada 7 (m)						18,041	18,121	18,041					
Cota (m):		18,367	18,341	17,491	17,481	17,891	17,971	17,891	17,481	17,491	18,341	18,371	
E:		709,050,0692	709,048,7887	709,048,7887	709,048,2990	709,048,2890	709,044,2926	709,040,2967	709,040,2867	709,039,7972	709,039,7972	709,038,2986	
N:		7,090,460,7793	7,090,460,7232	7,090,460,7232	7,090,460,7018	7,090,460,7013	7,090,460,8262	7,090,460,3511	7,090,460,3506	7,090,460,3292	7,090,460,3292	7,090,460,2635	
Station: 20+0													
Dist. Eixo (m):		-5,779	-4,500	-4,500	-4,010	-4,000	0,000	4,000	4,010	4,500	4,500	5,831	
Cota Camada 1 (m)						18,267	18,347	18,267					
Cota Camada 3 (m)						18,187	18,267	18,187					
Cota Camada 6 (m)						18,147	18,227	18,147					
Cota Camada 7 (m)						18,027	18,107	18,027					
Cota (m):		18,352	18,326	17,477	17,467	17,877	17,957	17,877	17,467	17,476	18,326	18,353	
E:		709,050,1063	709,048,8294	709,048,8294	709,048,3399	709,048,3299	709,044,3354	709,040,3414	709,040,3314	709,039,8421	709,039,8421	709,038,5124	
N:		7,090,460,0376	7,090,459,9691	7,090,459,9691	7,090,459,9428	7,090,459,9423	7,090,459,7281	7,090,459,5139	7,090,459,5133	7,090,459,4871	7,090,459,4871	7,090,459,4158	
Station: 20+10													
Dist. Eixo (m):		-5,972	-4,503	-4,503	-4,013	-4,003	0,000	3,997	4,007	4,497	4,497	5,844	
Cota Camada 1 (m)						18,082	18,162	18,082					
Cota Camada 3 (m)						18,002	18,082	18,002					
Cota Camada 6 (m)						17,962	18,042	17,962					
Cota Camada 7 (m)						17,842	17,922	17,842					
Cota (m):		18,171	18,142	17,292	17,282	17,692	17,772	17,692	17,282	17,292	18,142	18,169	
E:		709,051,8339	709,049,3674	709,049,3674	709,048,8779	709,048,8679	709,044,8710	709,040,8794	709,040,8694	709,040,3801	709,040,3801	709,039,0356	
N:		7,090,450,0622	7,090,449,9836	7,090,449,9836	7,090,449,9573	7,090,449,9568	7,090,449,7424	7,090,449,5284	7,090,449,5278	7,090,449,5016	7,090,449,5016	7,090,449,4295	
Station: 21+0													
Dist. Eixo (m):		-5,965	-4,505	-4,505	-4,015	-4,005	0,000	3,995	4,005	4,495	4,495	5,858	
Cota Camada 1 (m)						17,897	17,977	17,897					
Cota Camada 3 (m)						17,817	17,897	17,817					
Cota Camada 6 (m)						17,777	17,857	17,777					
Cota Camada 7 (m)						17,657	17,737	17,657					
Cota (m):		17,986	17,957	17,107	17,097	17,507	17,587	17,507	17,097	17,107	17,957	17,984	
E:		709,051,3627	709,049,9055	709,049,9055	709,049,4160	709,049,4060	709,045,4065	709,041,4174	709,041,4075	709,040,9182	709,040,9180	709,039,5569	
N:		7,090,440,0762	7,090,439,9981	7,090,439,9981	7,090,439,9718	7,090,439,9713	7,090,439,7568	7,090,439,5428	7,090,439,5423	7,090,439,5161	7,090,439,5161	7,090,439,4431	
Station: 21+10													
Dist. Eixo (m):		-5,953	-4,508	-4,508	-4,018	-4,008	0,000	3,992	4,002	4,492	4,492	5,910	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA PROF. THEODORO BOING

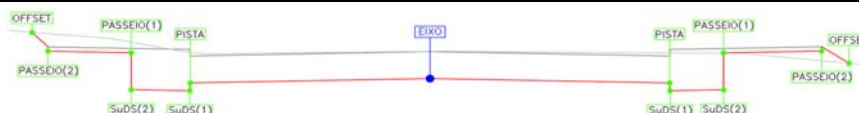
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 22+0													
Dist. Eixo (m):		-5,983	-4,510	-4,510	-4,020	-4,010	0,000	3,990	4,000	4,490	4,490	5,913	
Cota Camada 1 (m)						17,501	17,581	17,501					
Cota Camada 3 (m)						17,421	17,501	17,421					
Cota Camada 6 (m)						17,381	17,461	17,381					
Cota Camada 7 (m)						17,261	17,341	17,261					
Cota (m):		17,590	17,560	16,711	16,701	17,111	17,191	17,111	16,701	16,711	17,561	17,589	
E:		709,052,4519	709,050,9815	709,050,9815	709,050,4920	709,050,4820	709,046,4776	709,042,4935	709,042,4835	709,041,9942	709,041,9942	709,040,5726	
N:		7,090,420,1059	7,090,420,0270	7,090,420,0270	7,090,420,0008	7,090,420,0002	7,090,419,7855	7,090,419,5718	7,090,419,5713	7,090,419,5450	7,090,419,5450	7,090,419,4688	
Station: 22+10													
Dist. Eixo (m):		-6,014	-4,513	-4,513	-4,023	-4,013	0,000	3,987	3,997	4,487	4,487	5,917	
Cota Camada 1 (m)						17,278	17,358	17,278					
Cota Camada 3 (m)						17,198	17,278	17,198					
Cota Camada 6 (m)						17,158	17,238	17,158					
Cota Camada 7 (m)						17,038	17,118	17,038					
Cota (m):		17,368	17,338	16,488	16,478	16,888	16,968	16,888	16,478	16,488	17,338	17,367	
E:		709,053,0184	709,051,5196	709,051,5196	709,051,0301	709,051,0201	709,047,0131	709,043,0316	709,043,0216	709,042,5323	709,042,5323	709,041,1045	
N:		7,090,410,1219	7,090,410,0415	7,090,410,0415	7,090,410,0153	7,090,410,0147	7,090,409,7998	7,090,409,5863	7,090,409,5868	7,090,409,5595	7,090,409,5595	7,090,409,4829	
Station: 23+0													
Dist. Eixo (m):		-6,137	-4,515	-4,515	-4,025	-4,015	0,000	3,985	3,995	4,485	4,485	5,953	
Cota Camada 1 (m)						17,039	17,119	17,040					
Cota Camada 3 (m)						16,959	17,039	16,960					
Cota Camada 6 (m)						16,919	16,999	16,920					
Cota Camada 7 (m)						16,799	16,879	16,800					
Cota (m):		17,131	17,099	16,249	16,239	16,649	16,729	16,650	16,240	16,249	17,100	17,129	
E:		709,053,6772	709,052,0576	709,052,0576	709,051,5681	709,051,5581	709,047,5487	709,043,5696	709,043,5596	709,043,0703	709,043,0703	709,041,6038	
N:		7,090,400,1429	7,090,400,0560	7,090,400,0560	7,090,400,0297	7,090,400,0292	7,090,399,8142	7,090,399,6008	7,090,399,6002	7,090,399,5740	7,090,399,5740	7,090,399,4953	
Station: 23+10													
Dist. Eixo (m):		-6,094	-4,518	-4,518	-4,028	-4,018	0,000	3,982	3,992	4,482	4,482	5,975	
Cota Camada 1 (m)						16,789	16,869	16,790					
Cota Camada 3 (m)						16,709	16,789	16,710					
Cota Camada 6 (m)						16,669	16,749	16,670					
Cota Camada 7 (m)						16,549	16,629	16,550					
Cota (m):		16,880	16,849	15,999	15,989	16,399	16,479	16,400	15,990	15,999	17,957	16,879	
E:		709,054,1700	709,052,5958	709,052,5956	709,052,1062	709,052,0962	709,048,0842	709,044,1076	709,044,0977	709,043,6084	709,040,9180	709,042,1182	
N:		7,090,390,1549	7,090,390,0705	7,090,390,0705	7,090,390,0442	7,090,390,0437	7,090,389,8285	7,090,389,6153	7,090,389,6147	7,090,389,5885	7,090,389,5161	7,090,389,5086	
Station: 24+0													
Dist. Eixo (m):		-5,996	-4,520	-4,520	-4,030	-4,020	0,000	3,980	3,990	4,480	4,480	5,996	
Cota Camada 1 (m)						16,538	16,618	16,539					
Cota Camada 3 (m)						16,458	16,538	16,459					
Cota Camada 6 (m)						16,418	16,498	16,419					
Cota Camada 7 (m)						16,298	16,378	16,299					
Cota (m):		16,628	16,598	15,748	15,738	16,148	16,228	16,149	15,739	15,749	16,599	16,629	
E:		709,054,6072	709,053,1337	709,053,1337	709,052,6442	709,052,6342	709,048,8198	709,044,6457	709,044,6357	709,044,1464	709,044,1464	709,042,6327	
N:		7,090,380,1640	7,090,380,0850	7,090,380,0850	7,090,380,0587	7,090,380,0582	7,090,379,8429	7,090,379,6297	7,090,379,6292	7,090,379,6030	7,090,379,6030	7,090,379,5218	
Station: 24+10													
Dist. Eixo (m):		-5,932	-4,523	-4,523	-4,033	-4,023	0,000	3,977	3,987	4,477	4,477	6,017	
Cota Camada 1 (m)						16,288	16,368	16,289					
Cota Camada 3 (m)						16,208	16,288	16,209					
Cota Camada 6 (m)						16,168	16,248	16,169					
Cota Camada 7 (m)						16,048	16,128	16,049					
Cota (m):		16,376	16,348	15,498	15,488	15,898	15,978	15,899	15,489	15,499	16,349	16,380	
E:		709,055,0790	709,053,6717	709,053,6717	709,053,1822	709,053,1722	709,049,1553	709,045,1837	709,045,1737	709,044,6844	709,044,6844	709,043,1471	
N:		7,090,370,1749	7,090,370,0995	7,090,370,0995	7,090,370,0732	7,090,370,0727	7,090,369,8572	7,090,369,6442	7,090,369,6437	7,090,369,6175	7,090,369,6175	7,090,369,5350	
Station: 25+0													
Dist. Eixo (m):		-6,000	-4,525	-4,525	-4,035	-4,025	0,000	3,975	3,985	4,475	4,475	6,017	
Cota Camada 1 (m)						16,038	16,118	16,039					
Cota Camada 3 (m)						15,958	16,038	15,959					
Cota Camada 6 (m)						15,918	15,998	15,919					
Cota Camada 7 (m)						15,798	15,878	15,799					
Cota (m):		16,127	16,097	15,248	15,238	15,648	15,728	15,649	15,239	15,248	16,098	16,129	
E:		709,055,6818	709,054,2098	709,054,2098	709,053,7203	709,053,7103	709,049,6909	709,045,7218	709,045,7118	709,045,2225	709,045,2225	709,043,6829	
N:		7,090,360,1929	7,090,360,1139	7,090,360,1139	7,090,360,0877	7,090,360,0872	7,090,359,8716	7,090,359,6587	7,090,359,6582	7,090,359,6319	7,090,359,6319	7,090,359,5494	
Station: 25+10													
Dist. Eixo (m):		-6,019	-4,700	-4,700	-4,210	-4,200	0,000	3,843	3,853	4,343	4,495	6,008	
Cota Camada 1 (m)						15,784	15,864	15,791					
Cota Camada 3 (m)						15,704	15,784	15,711					
Cota Camada 6 (m)						15,664	15,744	15,671					
Cota Camada 7 (m)						15,544	15,624	15,551					
Cota (m):		15,870	15,844	14,994	14,984	15,394	15,474	15,401	14,991	15,001	17,957	15,884	
E:		709,056,2366	709,054,9195	709,054,9195	709,054,4300	709,054,4200	709,050,2264	709,046,3894	709,046,3794	709,045,8901	709,040,9180	709,044,2270	
N:		7,090,350,2083	7,090,350,1376	7,090,350,1376	7,090,350,1114	7,090,350,1108	7,090,349,8859	7,090,349,6801	7,090,349,6796	7,090,349,6534	7,090,439,5161	7,090,349,5642	
Station: 26+0													
Dist. Eixo (m):		-6,023	-4,921	-4,921	-4,431	-4,421	0,000	3,692	3,702	4,192	4,192	6,018	
Cota Camada 1 (m)						15,920	16,000	15,934					
Cota Camada 3 (m)						15,840	15,920	15,854					
Cota Camada 6 (m)						15,800	15,880	15,814					
Cota Camada 7 (m)						15,680	15,760	15,694					
Cota (m):		15,612	15,590	14,740	14,730	15,530	15,610	15,544	14,744	14,754	15,604	15,641	
E:		709,056,7766	709,055,6756	709,055,6756	709,055,1861	709,055,1761	709,050,7619	709,047,0751	709,047,0651	709,046,5758	709,046,5758	709,044,7530	
N:		7,090,340,2229	7,090,340,1638	7,090,340,1638	7,090,340,1376	7,090,340,1370	7,090,339,9003	7,090,339,7026	7,090,339,7020	7,090,339,6758	7,090,339,6758	7,090,339,5780	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA NOSSA SENHORA DO CARMO

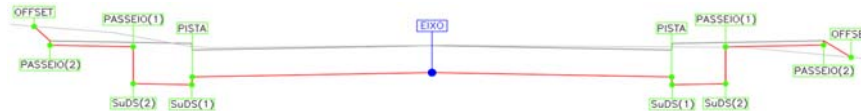
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 0+0													
Dist. Eixo (m):		-13,351	-12,443	-12,443	-11,453	-11,443	0,000	12,929	12,939	13,929	13,929		14,443
Cota Camada 1 (m)						10,622	10,664	10,500					
Cota Camada 3 (m)						10,542	10,584	10,420					
Cota Camada 6 (m)						10,502	10,544	10,380					
Cota Camada 7 (m)						10,382	10,424	10,260					
Cota (m):		10,810	10,692	10,142	10,122	10,232	10,274	10,110	10,000	10,019	10,570	10,580	
E:		709.677.1097	709.677.1347	709.677.1347	709.677.1619	709.677.1622	709.677.4774	709.677.8335	709.677.8338	709.677.8611	709.677.8611	709.677.8752	
N:		7.089.503.2880	7.089.502.3801	7.089.502.3801	7.089.501.3903	7.089.501.3803	7.089.489.9418	7.089.477.0180	7.089.477.0080	7.089.476.0184	7.089.476.0184	7.089.475.5047	
Station: 0+10													
Dist. Eixo (m):		-7,813	-6,032	-6,032	-5,041	-5,031	0,000	4,969	4,979	5,969	5,969		7,949
Cota Camada 1 (m)						10,623	10,724	10,625					
Cota Camada 3 (m)						10,543	10,644	10,545					
Cota Camada 6 (m)						10,503	10,604	10,505					
Cota Camada 7 (m)						10,383	10,484	10,385					
Cota (m):		10,729	10,693	10,143	10,123	10,233	10,334	10,235	10,125	10,144	10,694	10,734	
E:		709.687.2584	709.687.3075	709.687.3075	709.687.3348	709.687.3350	709.687.4736	709.687.6105	709.687.6108	709.687.6380	709.687.6380	709.687.6926	
N:		7.089.498.0273	7.089.496.2466	7.089.496.2466	7.089.495.2568	7.089.495.2468	7.089.490.2173	7.089.485.2506	7.089.485.2406	7.089.484.2510	7.089.484.2510	7.089.482.2711	
Station: 1+0													
Dist. Eixo (m):		-7,894	-6,056	-6,056	-5,066	-5,056	0,000	4,944	4,954	5,944	5,944		7,813
Cota Camada 1 (m)						10,683	10,784	10,685					
Cota Camada 3 (m)						10,603	10,704	10,605					
Cota Camada 6 (m)						10,563	10,664	10,565					
Cota Camada 7 (m)						10,443	10,544	10,445					
Cota (m):		10,790	10,753	10,203	10,183	10,293	10,394	10,295	10,185	10,205	10,755	10,792	
E:		709.697.2524	709.697.3030	709.697.3030	709.697.3303	709.697.3306	709.697.4698	709.697.6060	709.697.6063	709.697.6336	709.697.6336	709.697.6850	
N:		7.089.498.3833	7.089.496.5465	7.089.496.5465	7.089.495.5567	7.089.495.5467	7.089.490.4927	7.089.485.5505	7.089.485.5405	7.089.484.5508	7.089.484.5508	7.089.482.6830	
Station: 1+10													
Dist. Eixo (m):		-7,990	-6,081	-6,081	-5,090	-5,080	0,000	4,920	4,930	5,920	5,920		7,676
Cota Camada 1 (m)						10,743	10,844	10,746					
Cota Camada 3 (m)						10,663	10,764	10,666					
Cota Camada 6 (m)						10,623	10,724	10,626					
Cota Camada 7 (m)						10,503	10,604	10,506					
Cota (m):		10,851	10,813	10,263	10,243	10,353	10,454	10,356	10,246	10,266	10,816	10,851	
E:		709.707.2460	709.707.2985	709.707.2985	709.707.3258	709.707.3261	709.707.4660	709.707.6015	709.707.6018	709.707.6291	709.707.6291	709.707.6775	
N:		7.089.498.7549	7.089.496.8464	7.089.496.8464	7.089.495.8566	7.089.495.8466	7.089.490.7682	7.089.485.8504	7.089.485.8404	7.089.484.8507	7.089.484.8507	7.089.483.0949	
Station: 2+0													
Dist. Eixo (m):		-7,981	-6,105	-6,105	-5,115	-5,105	0,000	4,895	4,905	5,895	5,895		7,457
Cota Camada 1 (m)						10,797	10,899	10,801					
Cota Camada 3 (m)						10,717	10,819	10,721					
Cota Camada 6 (m)						10,677	10,779	10,681					
Cota Camada 7 (m)						10,557	10,659	10,561					
Cota (m):		10,904	10,867	10,317	10,297	10,407	10,509	10,411	10,301	10,321	10,871	10,902	
E:		709.717.2424	709.717.2941	709.717.2941	709.717.3213	709.717.3216	709.717.4622	709.717.5971	709.717.5973	709.717.6246	709.717.6246	709.717.6676	
N:		7.089.499.0216	7.089.497.1463	7.089.497.1461	7.089.496.1565	7.089.496.1465	7.089.491.0436	7.089.486.1502	7.089.486.1402	7.089.485.1506	7.089.485.1506	7.089.483.5892	
Station: 2+10													
Dist. Eixo (m):		-8,010	-6,129	-6,129	-5,139	-5,129	0,000	4,871	4,881	5,871	5,871		7,137
Cota Camada 1 (m)						10,809	10,912	10,814					
Cota Camada 3 (m)						10,729	10,832	10,734					
Cota Camada 6 (m)						10,689	10,792	10,694					
Cota Camada 7 (m)						10,569	10,672	10,574					
Cota (m):		10,916	10,879	10,329	10,309	10,419	10,522	10,424	10,314	10,334	10,884	10,909	
E:		709.727.2378	709.727.2896	709.727.2896	709.727.3169	709.727.3172	709.727.4584	709.727.5926	709.727.5929	709.727.6201	709.727.6201	709.727.6550	
N:		7.089.499.3263	7.089.497.4462	7.089.497.4462	7.089.496.4564	7.089.496.4464	7.089.491.3191	7.089.486.4501	7.089.486.4401	7.089.485.4505	7.089.485.4505	7.089.484.1847	
Station: 3+0													
Dist. Eixo (m):		-8,010	-6,154	-6,154	-5,164	-5,154	0,000	4,846	4,856	5,846	5,846		7,049
Cota Camada 1 (m)						10,778	10,881	10,784					
Cota Camada 3 (m)						10,698	10,801	10,704					
Cota Camada 6 (m)						10,658	10,761	10,664					
Cota Camada 7 (m)						10,538	10,641	10,544					
Cota (m):		10,885	10,847	10,298	10,278	10,388	10,491	10,394	10,284	10,304	10,854	10,878	
E:		709.737.2340	709.737.2851	709.737.2851	709.737.3124	709.737.3127	709.737.4548	709.737.5881	709.737.5884	709.737.6157	709.737.6157	709.737.6488	
N:		7.089.499.6020	7.089.497.7461	7.089.497.7461	7.089.496.7562	7.089.496.7462	7.089.491.5945	7.089.486.7500	7.089.486.7400	7.089.485.7504	7.089.485.7504	7.089.484.5485	
Station: 3+10													
Dist. Eixo (m):		-8,045	-6,178	-6,178	-5,188	-5,178	0,000	4,822	4,832	5,822	5,822		7,152
Cota Camada 1 (m)						10,740	10,843	10,747					
Cota Camada 3 (m)						10,660	10,763	10,667					
Cota Camada 6 (m)						10,620	10,723	10,627					
Cota Camada 7 (m)						10,500	10,603	10,507					
Cota (m):		10,847	10,809	10,260	10,240	10,350	10,453	10,357	10,247	10,267	10,816	10,843	
E:		709.747.2293	709.747.2807	709.747.2807	709.747.3079	709.747.3082	709.747.4509	709.747.5837	709.747.5839	709.747.6112	709.747.6112	709.747.6478	
N:		7.089.499.9119	7.089.498.0460	7.089.498.0460	7.089.497.0561	7.089.497.0461	7.089.491.8699	7.089.487.0499	7.089.487.0399	7.089.486.0503	7.089.486.0503	7.089.484.7208	
Station: 4+0													
Dist. Eixo (m):		-8,138	-6,203	-6,203	-5,213	-5,203	0,000	4,797	4,807	5,797	5,797		7,291
Cota Camada 1 (m)						10,702	10,806	10,710					
Cota Camada 3 (m)						10,622	10,726	10,630					
Cota Camada 6 (m)						10,582	10,686	10,590					
Cota Camada 7 (m)						10,462	10,566	10,470					
Cota (m):		10,810	10,771	10,222	10,202	10,312	10,416	10,320	10,210	10,229	10,779	10,809	
E:		709.757.2229	709.757.2762	709.757.2762	709.757.3035	709.757.3038	709.757.4471	709.757.5792	709.757.5795	709.757.6067	709.757.6067	709.757.6479	
N:		7.089.500.2804	7.089.498.3458	7.089.498.3458	7.089.497.3560	7.089.497.3460	7.089.492.1454	7.089.487.3498	7.089.487.3398	7.089.486.3502	7.089.486.3502	7.089.484.8575	
Station: 4+10													
Dist. Eixo (m):		-8,200	-6,227	-6,227	-5,237	-5,227	0,000	4,773	4,783	5,773	5,773		7,442
Cota Camada 1 (m)						10,663	10,768	10,673					
Cota Camada 3 (m)						10,583	10,688	10,593					
Cota Camada 6 (m)						10,543	10,648	10,553					

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA NOSSA SENHORA DO CARMO

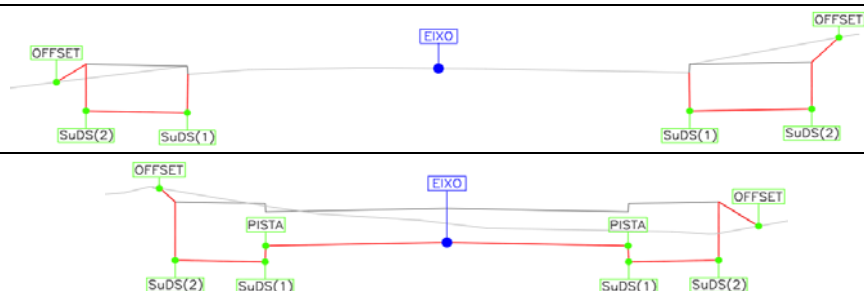
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO (2)	PASSEIO (1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO (1)	PASSEIO (2)	OFFSET
Station: 5+10													
Dist. Eixo (m):		-8,381	-6,263	-6,263	-5,273	-5,263	0,000	4,737	4,747	5,737	5,737	7,744	
Cota Camada 1 (m)						10,588	10,693	10,598					
Cota Camada 3 (m)						10,508	10,613	10,518					
Cota Camada 6 (m)						10,468	10,573	10,478					
Cota Camada 7 (m)						10,348	10,453	10,358					
Cota (m):		10,700	10,657	10,108	10,088	10,498	10,303	10,208	10,098	10,118	10,668	10,708	
E:		709,787,2048	709,787,2632	709,787,2632	709,787,2904	709,787,2907	709,797,4357	709,787,5662	709,787,5664	709,787,5937	709,787,5937	709,787,6490	
N:		7,089,501,3495	7,089,499,2322	7,089,499,2322	7,089,498,2424	7,089,498,2324	7,089,492,9717	7,089,488,2361	7,089,488,2261	7,089,487,2365	7,089,487,2365	7,089,485,2304	
Station: 6+0													
Dist. Eixo (m):		-8,261	-6,228	-6,228	-5,237	-5,227	0,000	4,773	4,783	5,773	5,773	7,730	
Cota Camada 1 (m)						10,551	10,655	10,560					
Cota Camada 3 (m)						10,471	10,575	10,480					
Cota Camada 6 (m)						10,431	10,535	10,440					
Cota Camada 7 (m)						10,311	10,415	10,320					
Cota (m):		10,661	10,621	10,071	10,051	10,161	10,265	10,170	10,060	10,080	10,630	10,669	
E:		709,797,2043	709,797,2603	709,797,2603	709,797,2876	709,797,2879	709,797,4319	709,797,5633	709,797,5636	709,797,5909	709,797,5909	709,797,6448	
N:		7,089,501,5053	7,089,499,4723	7,089,499,4723	7,089,498,4825	7,089,498,4725	7,089,493,2472	7,089,488,4762	7,089,488,4662	7,089,487,4766	7,089,487,4766	7,089,485,5204	
Station: 6+10													
Dist. Eixo (m):		-8,142	-6,192	-6,192	-5,202	-5,192	0,000	4,808	4,818	5,808	5,808	7,802	
Cota Camada 1 (m)						10,513	10,617	10,521					
Cota Camada 3 (m)						10,433	10,537	10,441					
Cota Camada 6 (m)						10,393	10,497	10,401					
Cota Camada 7 (m)						10,273	10,377	10,281					
Cota (m):		10,622	10,583	10,033	10,013	10,123	10,227	10,131	10,021	10,040	10,590	10,630	
E:		709,807,2038	709,807,2575	709,807,2575	709,807,2848	709,807,2851	709,807,4281	709,807,5605	709,807,5608	709,807,5881	709,807,5881	709,807,6430	
N:		7,089,501,6612	7,089,499,7125	7,089,499,7125	7,089,498,7226	7,089,498,7126	7,089,493,5226	7,089,488,7164	7,089,488,7064	7,089,487,7168	7,089,487,7168	7,089,485,7238	
Station: 7+0													
Dist. Eixo (m):		-8,086	-6,157	-6,157	-5,167	-5,157	0,000	4,843	4,853	5,843	5,843	7,890	
Cota Camada 1 (m)						10,467	10,570	10,473					
Cota Camada 3 (m)						10,387	10,490	10,393					
Cota Camada 6 (m)						10,347	10,450	10,353					
Cota Camada 7 (m)						10,227	10,330	10,233					
Cota (m):		10,575	10,537	9,987	9,967	10,077	10,180	10,083	9,973	9,993	10,543	10,584	
E:		709,817,2016	709,817,2547	709,817,2547	709,817,2820	709,817,2823	709,817,4243	709,817,5577	709,817,5580	709,817,5852	709,817,5852	709,817,6416	
N:		7,089,501,8813	7,089,499,9526	7,089,499,9526	7,089,498,9628	7,089,498,9528	7,089,493,7981	7,089,488,9565	7,089,488,9465	7,089,487,9569	7,089,487,9569	7,089,485,9106	
Station: 7+10													
Dist. Eixo (m):		-8,075	-6,122	-6,122	-5,131	-5,121	0,000	4,879	4,889	5,879	5,879	7,791	
Cota Camada 1 (m)						10,413	10,515	10,417					
Cota Camada 3 (m)						10,333	10,435	10,337					
Cota Camada 6 (m)						10,293	10,395	10,297					
Cota Camada 7 (m)						10,173	10,275	10,177					
Cota (m):		10,522	10,482	9,933	9,913	10,023	10,125	10,027	9,917	9,937	10,488	10,526	
E:		709,827,1981	709,827,2519	709,827,2519	709,827,2792	709,827,2794	709,827,4205	709,827,5549	709,827,5552	709,827,5824	709,827,5824	709,827,6351	
N:		7,089,502,1458	7,089,500,1927	7,089,500,1927	7,089,499,2029	7,089,499,1929	7,089,494,0735	7,089,489,1967	7,089,489,1867	7,089,488,1970	7,089,488,1970	7,089,486,2856	
Station: 8+0													
Dist. Eixo (m):		-7,994	-6,086	-6,086	-5,096	-5,086	0,000	4,914	4,924	5,914	5,914	7,781	
Cota Camada 1 (m)						10,357	10,458	10,360					
Cota Camada 3 (m)						10,277	10,378	10,280					
Cota Camada 6 (m)						10,237	10,338	10,240					
Cota Camada 7 (m)						10,117	10,218	10,120					
Cota (m):		10,465	10,427	9,877	9,857	9,967	10,068	9,970	9,860	9,880	10,430	10,467	
E:		709,837,1965	709,837,2491	709,837,2491	709,837,2763	709,837,2766	709,837,4167	709,837,5521	709,837,5523	709,837,5796	709,837,5796	709,837,6310	
N:		7,089,502,3402	7,089,500,4329	7,089,500,4329	7,089,499,4431	7,089,499,4331	7,089,494,3490	7,089,489,4368	7,089,489,4268	7,089,488,4372	7,089,488,4372	7,089,486,5707	
Station: 8+10													
Dist. Eixo (m):		-7,906	-6,051	-6,051	-5,061	-5,051	0,000	4,949	4,959	5,949	5,949	7,709	
Cota Camada 1 (m)						10,301	10,402	10,303					
Cota Camada 3 (m)						10,221	10,322	10,223					
Cota Camada 6 (m)						10,181	10,282	10,183					
Cota Camada 7 (m)						10,061	10,162	10,063					
Cota (m):		10,408	10,371	9,821	9,801	9,911	10,012	9,913	9,803	9,823	10,373	10,408	
E:		709,847,1951	709,847,2462	709,847,2462	709,847,2735	709,847,2738	709,847,4129	709,847,5492	709,847,5495	709,847,5768	709,847,5768	709,847,6252	
N:		7,089,502,5273	7,089,500,6730	7,089,500,6730	7,089,499,6832	7,089,499,6732	7,089,494,6244	7,089,489,6769	7,089,489,6669	7,089,488,6773	7,089,488,6773	7,089,486,9187	
Station: 9+0													
Dist. Eixo (m):		-7,821	-6,016	-6,016	-5,025	-5,015	0,000	4,985	4,995	5,985	5,985	7,699	
Cota Camada 1 (m)						10,245	10,345	10,246					
Cota Camada 3 (m)						10,165	10,265	10,166					
Cota Camada 6 (m)						10,125	10,225	10,126					
Cota Camada 7 (m)						10,005	10,105	10,006					
Cota (m):		10,351	10,315	9,765	9,745	9,855	9,955	9,856	9,746	9,765	10,316	10,350	
E:		709,857,1937	709,857,2434	709,857,2434	709,857,2707	709,857,2710	709,857,4091	709,857,5464	709,857,5467	709,857,5740	709,857,5740	709,857,6212	
N:		7,089,502,7178	7,089,500,9132	7,089,500,9132	7,089,499,9233	7,089,499,9133	7,089,494,8999	7,089,489,9171	7,089,489,9071	7,089,488,9175	7,089,488,9175	7,089,487,2042	
Station: 9+10													
Dist. Eixo (m):		-10,000	-6,829	-6,829	-5,839	-5,829	0,000	5,535	5,545	6,535	6,535	8,005	
Cota Camada 1 (m)						10,228	10,289	10,229					
Cota Camada 3 (m)						10,148	10,209	10,149					
Cota Camada 6 (m)						10,108	10,169	10,109					
Cota Camada 7 (m)						9,988	10,049	9,989					
Cota (m):		10,361	10,298	9,748	9,728	9,838	9,899	9,839	9,729	9,749	10,299	10,328	
E:		709,867,1299	709,867,2172	709,867,2172	709,867,2445	709,867,2448	709,867,4053	709,867,5578	709,867,5581	709,867,5853	709,867,5853	709,867,6258	
N:		7,089,505,1715	7,089,502,0015	7,089,502,0015	7,089,501,0116	7,089,501,0016	7,089,495,1753	7,089,489,6423	7,089,489,6323	7,089,488,6427	7,089,488,6427	7,089,487,1735	
Station: 9+12													
Dist. Eixo (m):		-11,000	-10,894	-10,894	-9,904	-9,894	0,000	7,739	7,749	8,739	8,739	10,120	
Cota Camada 1 (m)						10,266	10,276	10,269					
Cota Camada 3 (m)						10,186	10,196	10,189					
Cota Camada 6 (m)						10,146	10,156	10,149					
Cota Camada 7 (m)													

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA RADIALISTA DANIEL DA SILVA

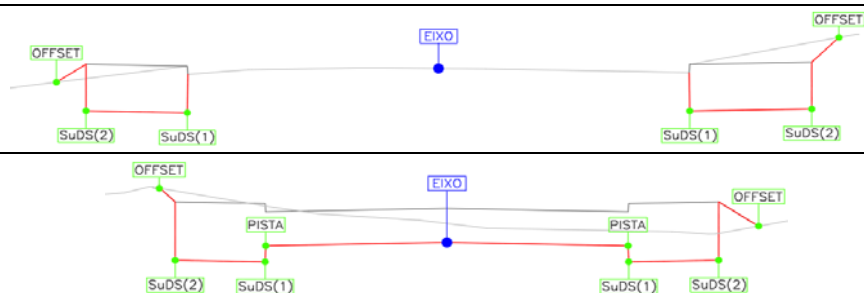
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 0+10									
Dist. Eixo (m):		-6,013	-4,128		0,000		4,008	5,969	
Cota (m):		12,812	12,774				12,777	12,816	
E:		708.594,2280	708.592,3429		708.588,2167		708.584,2100	708.582,2491	
N:		7.090.040,1530	7.090.040,1051		7.090.040,0003		7.090.039,8985	7.090.039,8487	
Station: 1+0									
Dist. Eixo (m):		-5,970	-4,122		0,000		3,990	5,956	
Cota (m):		12,834	12,797				12,800	12,839	
E:		708.594,4387	708.592,5914		708.588,4706		708.584,4818	708.582,5170	
N:		7.090.030,1551	7.090.030,1082		7.090.030,0035		7.090.029,9022	7.090.029,8523	
Station: 1+10									
Dist. Eixo (m):		-5,929	-4,130		0,000		3,995	5,931	
Cota (m):		12,844	12,808				12,811	12,850	
E:		708.594,6518	708.592,8530		708.588,7245		708.584,7305	708.582,7950	
N:		7.090.020,1573	7.090.020,1116		7.090.020,0068		7.090.019,9053	7.090.019,8562	
Station: 2+0									
Dist. Eixo (m):		-5,913	-4,138		0,000		4,007	5,892	
Cota (m):		12,849	12,813				12,816	12,853	
E:		708.594,8897	708.593,1145		708.588,9784		708.584,9731	708.583,0879	
N:		7.090.010,1601	7.090.010,1150		7.090.010,0100		7.090.009,9083	7.090.009,8604	
Station: 2+10									
Dist. Eixo (m):		-5,893	-4,145		0,000		4,018	5,903	
Cota (m):		12,815	12,780				12,783	12,821	
E:		708.595,1233	708.593,3761		708.589,2323		708.585,2158	708.583,3316	
N:		7.090.000,1628	7.090.000,1184		7.090.000,0132		7.089.999,9112	7.089.999,8633	
Station: 3+0									
Dist. Eixo (m):		-5,842	-4,111		0,000		4,029	5,923	
Cota (m):		12,775	12,741				12,742	12,780	
E:		708.595,3261	708.593,5960		708.589,4862		708.585,4585	708.583,5650	
N:		7.089.990,1647	7.089.990,1208		7.089.990,0164		7.089.989,9141	7.089.989,8660	
Station: 3+10									
Dist. Eixo (m):		-5,686	-4,052		0,000		4,040	5,944	
Cota (m):		12,730	12,698				12,698	12,736	
E:		708.595,4246	708.593,7912		708.589,7401		708.585,7012	708.583,7984	
N:		7.089.980,1640	7.089.980,1225		7.089.980,0197		7.089.979,9171	7.089.979,8687	
Station: 4+0									
Dist. Eixo (m):					0,000		4,041	5,964	
Cota (m):							12,648	12,686	
E:					708.589,9940		708.585,9538	708.584,0318	
N:					7.089.970,0229		7.089.969,9203	7.089.969,8714	
Station: 4+10									
Dist. Eixo (m):					0,000		4,041	5,985	
Cota (m):							12,621	12,659	
E:					708.590,2479		708.586,2083	708.584,2651	
N:					7.089.960,0261		7.089.959,9235	7.089.959,8741	
Station: 5+0									
Dist. Eixo (m):		-5,632	-4,013		0,000		4,049	6,005	
Cota (m):		12,651	12,618				12,618	12,657	
E:		708.596,1320	708.594,5133		708.590,5018		708.586,4538	708.584,4985	
N:		7.089.950,1723	7.089.950,1312		7.089.950,0293		7.089.949,9265	7.089.949,8769	
Station: 5+10									
Dist. Eixo (m):		-5,207	-3,971		0,000		4,088	6,026	
Cota (m):		12,657	12,632				12,630	12,669	
E:		708.595,9610	708.594,7259		708.590,7557		708.586,6689	708.584,7319	
N:		7.089.940,1648	7.089.940,1334		7.089.940,0325		7.089.939,9287	7.089.939,8796	
Station: 6+0									
Dist. Eixo (m):		-5,271	-3,930		0,000		4,141	6,046	
Cota (m):		12,666	12,639				12,635	12,673	
E:		708.596,2786	708.594,9385		708.591,0096		708.586,8695	708.584,9653	
N:		7.089.930,1696	7.089.930,1356		7.089.930,0358		7.089.929,9306	7.089.929,8823	
Station: 6+10									
Dist. Eixo (m):		-5,532	-3,889		0,000		4,225	6,082	
Cota (m):		12,643	12,610				12,604	12,641	
E:		708.596,7937	708.595,1511		708.591,2635		708.587,0402	708.585,1834	
N:		7.089.920,1795	7.089.920,1377		7.089.920,0390		7.089.919,9317	7.089.919,8846	
Station: 8+0									
Dist. Eixo (m):		-6,074	-3,978		0,000		3,944	5,801	
Cota (m):		12,529	12,487				12,488	12,525	
E:		708.598,0972	708.596,0022		708.592,0252		708.588,0821	708.586,2256	
N:		7.089.890,2029	7.089.890,1497		7.089.890,0487		7.089.889,9485	7.089.889,9014	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA RADIALISTA DANIEL DA SILVA

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 8+10									
Dist. Eixo (m):		-6,130	-3,965		0,000		3,942	5,858	
Cota (m):		12,579	12,536				12,536	12,575	
E:		708.598,4071	708.596,2429		708.592,2791		708.588,3382	708.586,4226	
N:		7.089.880,2075	7.089.880,1526		7.089.880,0519		7.089.879,9518	7.089.879,9031	
Station: 9+0									
Dist. Eixo (m):		-6,160	-3,954		0,000		3,951	5,915	
Cota (m):		12,655	12,611				12,611	12,650	
E:		708.598,6914	708.596,4860		708.592,5330		708.588,5835	708.586,6196	
N:		7.089.870,2115	7.089.870,1555		7.089.870,0551		7.089.869,9548	7.089.869,9049	
Station: 9+10									
Dist. Eixo (m):		-5,838	-3,948		0,000		3,966	5,972	
Cota (m):		12,668	12,631				12,630	12,670	
E:		708.598,6233	708.596,7337		708.592,7869		708.588,8225	708.586,8166	
N:		7.089.860,2066	7.089.860,1586		7.089.860,0583		7.089.859,9576	7.089.859,9067	
Station: 10+0									
Dist. Eixo (m):		-5,918	-3,942		0,000		3,981	6,029	
Cota (m):		12,643	12,603				12,602	12,643	
E:		708.598,9572	708.596,9811		708.593,0408		708.589,0615	708.587,0137	
N:		7.089.850,2118	7.089.850,1616		7.089.850,0616		7.089.849,9605	7.089.849,9085	
Station: 10+10									
Dist. Eixo (m):					0,000		3,995	6,086	
Cota (m):							12,479	12,520	
E:					708.593,2947		708.589,3006	708.587,2107	
N:					7.089.840,0648		7.089.839,9633	7.089.839,9103	
Station: 11+0									
Dist. Eixo (m):		-3,922	-3,901		0,000		4,010	6,143	
Cota (m):		12,901	12,919				12,407	12,450	
E:		708.597,4693	708.597,4485		708.593,5486		708.589,5396	708.587,4077	
N:		7.089.830,1676	7.089.830,1671		7.089.830,0680		7.089.829,9662	7.089.829,9120	
Station: 11+10									
Dist. Eixo (m):		-5,874	-3,902		0,000		4,025	6,199	
Cota (m):		12,415	12,375				12,373	12,416	
E:		708.599,6749	708.597,7036		708.593,8025		708.589,7787	708.587,6057	
N:		7.089.820,2204	7.089.820,1703		7.089.820,0712		7.089.819,9690	7.089.819,9138	
Station: 12+0									
Dist. Eixo (m):		-5,829	-3,893		0,000		4,032	6,202	
Cota (m):		12,380	12,341				12,338	12,382	
E:		708.599,8833	708.597,9486		708.594,0564		708.590,0253	708.587,8566	
N:		7.089.810,2224	7.089.810,1733		7.089.810,0745		7.089.809,9721	7.089.809,9170	
Station: 12+4									
Dist. Eixo (m):		-5,808	-3,890		0,000		4,026	6,203	
Cota (m):		12,366	12,327				12,325	12,368	
E:		708.599,9654	708.598,0475		708.594,1588		708.590,1340	708.587,9579	
N:		7.089.806,1878	7.089.806,1391		7.089.806,0403		7.089.805,9381	7.089.805,8828	
Station: 12+10									
Dist. Eixo (m):		-5,744	-3,882	-3,872	0,000	3,998	4,008	6,205	
Cota (m):		12,345	12,308	12,398	12,475	12,395	12,305	12,349	
E:		708.600,0529	708.598,1910	708.598,1810	708.594,3103	708.590,3136	708.590,3036	708.588,1076	
N:		7.089.800,2235	7.089.800,1762	7.089.800,1760	7.089.800,0777	7.089.799,9762	7.089.799,9759	7.089.799,9201	
Station: 12+14									
Dist. Eixo (m):			-3,876	-3,866	0,000	3,984	3,994	6,206	
Cota (m):			12,293	12,383	12,460	12,381	12,291	12,335	
E:			708.598,2999	708.598,2899	708.594,4252	708.590,4424	708.590,4324	708.588,2211	
N:			7.089.795,6513	7.089.795,6511	7.089.795,5529	7.089.795,4518	7.089.795,4515	7.089.795,3953	

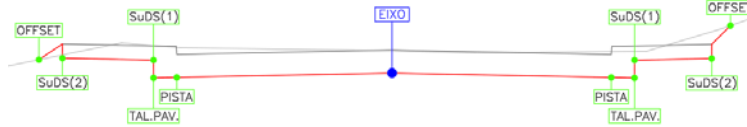
PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA RENATO SCHEUNEMANN

Desenho Esquemático:



PONTOS NOTÁVEIS			SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)		
Station: 0+10									
Dist. Eixo (m):			-5,748	-3,826	0,000	4,189	6,807		
Cota (m):			15,202	15,164	15,350	15,157	15,209		
E:			708.605,0765	708.603,1561	708.599,3334	708.595,1480	708.592,5320		
N:			7.090.690,5261	7.090.690,4496	7.090.690,2975	7.090.690,1310	7.090.690,0269		

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL.PAV.	PISTA	EIXO	PISTA	TAL.PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 1+0											
Dist. Eixo (m):		-5,812	-4,480	-4,480	-4,000	0,000	3,999	4,479	4,479	6,460	
Cota Camada 1 (m)					15,038	15,118	15,038				
Cota Camada 3 (m)					14,958	15,038	14,958				
Cota Camada 6 (m)					14,918	14,998	14,918				
Cota Camada 7 (m)					14,768	14,848	14,768				
Cota (m):		14,969	14,938	14,559	14,568	14,648	14,568	14,559	14,938	14,977	
E:		708.605,5385	708.604,2073	708.604,2073	708.603,7278	708.599,7310	708.595,7348	708.595,2556	708.595,2556	708.593,2762	
N:		7.090.680,5365	7.090.680,4836	7.090.680,4836	7.090.680,4645	7.090.680,3054	7.090.680,1464	7.090.680,1274	7.090.680,1274	7.090.680,0486	

Station: 1+10											
Dist. Eixo (m):		-5,852	-4,480	-4,480	-4,000	0,000	3,981	4,461	4,461	6,298	
Cota Camada 1 (m)					14,834	14,914	14,835				
Cota Camada 3 (m)					14,754	14,834	14,755				
Cota Camada 6 (m)					14,714	14,794	14,715				
Cota Camada 7 (m)					14,564	14,644	14,565				
Cota (m):		14,761	14,734	14,355	14,364	14,444	14,365	14,355	14,734	14,771	
E:		708.605,9756	708.604,6048	708.604,6048	708.604,1254	708.600,1286	708.596,1505	708.595,6713	708.595,6713	708.593,8354	
N:		7.090.670,5460	7.090.670,4915	7.090.670,4915	7.090.670,4724	7.090.670,3134	7.090.670,1551	7.090.670,1360	7.090.670,1360	7.090.670,0629	

Station: 2+0											
Dist. Eixo (m):		-5,893	-4,480	-4,480	-4,000	0,000	3,963	4,443	4,443	6,207	
Cota Camada 1 (m)					14,701	14,781	14,702				
Cota Camada 3 (m)					14,621	14,701	14,622				
Cota Camada 6 (m)					14,581	14,661	14,582				
Cota Camada 7 (m)					14,431	14,511	14,432				
Cota (m):		14,629	14,600	14,221	14,231	14,311	14,232	14,222	14,601	14,636	
E:		708.606,4140	708.605,0024	708.605,0024	708.604,5230	708.600,5262	708.596,5662	708.596,0870	708.596,0870	708.594,3245	
N:		7.090.660,5555	7.090.660,4994	7.090.660,4994	7.090.660,4803	7.090.660,3213	7.090.660,1637	7.090.660,1446	7.090.660,1446	7.090.660,0745	

Station: 2+10											
Dist. Eixo (m):		-5,933	-4,480	-4,480	-4,000	0,000	3,945	4,425	4,425	6,135	
Cota Camada 1 (m)					14,612	14,692	14,613				
Cota Camada 3 (m)					14,532	14,612	14,533				
Cota Camada 6 (m)					14,492	14,572	14,493				
Cota Camada 7 (m)					14,342	14,422	14,343				
Cota (m):		14,540	14,511	14,132	14,142	14,222	14,143	14,133	14,512	14,546	
E:		708.606,8524	708.605,4000	708.605,4000	708.604,9206	708.600,9238	708.596,9819	708.596,5027	708.596,5027	708.594,7936	
N:		7.090.650,5651	7.090.650,5073	7.090.650,5073	7.090.650,4882	7.090.650,3292	7.090.650,1723	7.090.650,1533	7.090.650,1533	7.090.650,0852	

Station: 3+0											
Dist. Eixo (m):		-5,974	-4,480	-4,480	-4,000	0,000	3,927	4,406	4,406	5,898	
Cota Camada 1 (m)					14,531	14,611	14,533				
Cota Camada 3 (m)					14,451	14,531	14,453				
Cota Camada 6 (m)					14,411	14,491	14,413				
Cota Camada 7 (m)					14,261	14,341	14,263				
Cota (m):		14,460	14,431	14,052	14,061	14,141	14,063	14,053	14,432	14,462	
E:		708.607,2908	708.605,7976	708.605,7976	708.605,3182	708.601,3213	708.597,3977	708.596,9185	708.596,9185	708.595,4275	
N:		7.090.640,5746	7.090.640,5152	7.090.640,5152	7.090.640,4961	7.090.640,3371	7.090.640,1810	7.090.640,1619	7.090.640,1619	7.090.640,1026	

Station: 3+10											
Dist. Eixo (m):		-6,015	-4,480	-4,480	-4,000	0,000	3,909	4,388	4,388	5,975	
Cota Camada 1 (m)					14,496	14,576	14,498				
Cota Camada 3 (m)					14,416	14,496	14,418				
Cota Camada 6 (m)					14,376	14,456	14,378				
Cota Camada 7 (m)					14,226	14,306	14,228				
Cota (m):		14,426	14,396	14,017	14,026	14,106	14,028	14,018	14,397	14,429	
E:		708.607,7292	708.606,1952	708.606,1952	708.605,7158	708.601,7189	708.597,8134	708.597,3342	708.597,3342	708.595,7489	
N:		7.090.630,5841	7.090.630,5231	7.090.630,5231	7.090.630,5040	7.090.630,3450	7.090.630,1896	7.090.630,1705	7.090.630,1705	7.090.630,1074	

Station: 4+0											
Dist. Eixo (m):		-6,056	-4,480	-4,480	-4,000	0,000	3,890	4,370	4,370	6,051	
Cota Camada 1 (m)					14,503	14,583	14,505				
Cota Camada 3 (m)					14,423	14,503	14,425				
Cota Camada 6 (m)					14,383	14,463	14,385				
Cota Camada 7 (m)					14,233	14,313	14,235				
Cota (m):		14,434	14,402	14,023	14,033	14,113	14,035	14,025	14,404	14,438	
E:		708.608,1676	708.606,5927	708.606,5927	708.606,1133	708.602,1165	708.598,2291	708.597,7499	708.597,7499	708.596,0703	
N:		7.090.620,5937	7.090.620,5310	7.090.620,5310	7.090.620,5119	7.090.620,3529	7.090.620,1982	7.090.620,1791	7.090.620,1791	7.090.620,1123	

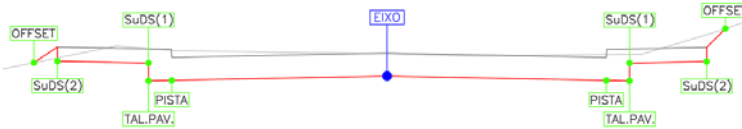
Station: 4+10											
Dist. Eixo (m):					-4,149	0,000	3,979				
Cota Camada 1 (m)					14,510	14,593	14,514				
Cota Camada 3 (m)					14,430	14,513	14,434				
Cota Camada 6 (m)					14,390	14,473	14,394				
Cota Camada 7 (m)					14,240	14,323	14,244				
Cota (m):					14,040	14,123	14,044				
E:					708.606,7130	708.602,5680	708.598,5933				
N:					7.090.610,5516	7.090.610,3631	7.090.610,1823				

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Station: 4+17									
Dist. Eixo (m):					-4,078	0,000	4,050		
Cota Camada 1 (m)					14,520	14,601	14,520		
Cota Camada 3 (m)					14,440	14,521	14,440		
Cota Camada 6 (m)					14,400	14,481	14,400		
Cota Camada 7 (m)					14,250	14,331	14,250		
Cota (m):					14,050	14,131	14,050		
E:					708.606,9767	708.602,9030	708.598,8570		
N:					7.090.603,1834	7.090.602,9981	7.090.602,8141		
Station: 5+0									
Dist. Eixo (m):					-4,054	0,000	4,074		
Cota Camada 1 (m)					14,523	14,604	14,522		
Cota Camada 3 (m)					14,443	14,524	14,442		
Cota Camada 6 (m)					14,403	14,484	14,402		
Cota Camada 7 (m)					14,253	14,334	14,252		
Cota (m):					14,053	14,134	14,052		
E:					708.607,0708	708.603,0211	708.598,9510		
N:					7.090.600,5556	7.090.600,3734	7.090.600,1902		
Station: 5+4									
Dist. Eixo (m):					-4,008	0,000	3,995		
Cota Camada 1 (m)					14,529	14,609	14,529		
Cota Camada 3 (m)					14,449	14,529	14,449		
Cota Camada 6 (m)					14,409	14,489	14,409		
Cota Camada 7 (m)					14,259	14,339	14,259		
Cota (m):					14,059	14,139	14,059		
E:					708.607,2473	708.603,2429	708.599,2516		
N:					7.090.595,6236	7.090.595,4434	7.090.595,2637		
Desenho Esquemático:									
PONTOS NOTÁVEIS					SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)
Station: 20+10									
Dist. Eixo (m):					-5,788	-3,688	-3,678	0,000	4,172
Cota (m):					13,316	13,274	13,384	13,457	13,264
E:					708.622,6161	708.620,5173	708.620,5073	708.616,8327	708.612,6637
N:					7.090.290,9134	7.090.290,8292	7.090.290,8288	7.090.290,6815	7.090.290,5143
Station: 21+0									
Dist. Eixo (m):					-5,865	-3,810	-3,800	0,000	4,379
Cota (m):					13,292	13,251	13,361	13,437	13,239
E:					708.623,0934	708.621,0401	708.621,0301	708.617,2333	708.612,8575
N:					7.090.280,9245	7.090.280,8421	7.090.280,8417	7.090.280,6895	7.090.280,5141
Station: 21+10									
Dist. Eixo (m):					-5,950	-3,932	-3,922	0,000	4,666
Cota (m):					13,287	13,247	13,357	13,435	13,232
E:					708.623,5796	708.621,5629	708.621,5529	708.617,6339	708.612,9713
N:					7.090.270,9359	7.090.270,8551	7.090.270,8547	7.090.270,6975	7.090.270,5106
Station: 22+0									
Dist. Eixo (m):					-5,983	-4,054	-4,044	0,000	4,953
Cota (m):					13,285	13,247	13,357	13,438	13,229
E:					708.624,0128	708.622,0857	708.622,0757	708.618,0345	708.613,0851
N:					7.090.260,9453	7.090.260,8680	7.090.260,8676	7.090.260,7056	7.090.260,5071
Station: 22+10									
Dist. Eixo (m):					-6,005	-4,177	-4,167	0,000	5,240
Cota (m):					13,294	13,258	13,368	13,451	13,236
E:					708.624,4352	708.622,6085	708.622,5985	708.618,4352	708.613,1989
N:					7.090.250,9542	7.090.250,8809	7.090.250,8805	7.090.250,7136	7.090.250,5036
Station: 23+0									
Dist. Eixo (m):					-6,199	-4,251	-4,241	0,000	5,528
Cota (m):					13,329	13,290	13,400	13,485	13,265
E:					708.625,0302	708.623,0831	708.623,0731	708.618,8358	708.613,3127
N:					7.090.240,9700	7.090.240,8919	7.090.240,8915	7.090.240,7216	7.090.240,5002
Station: 23+10									
Dist. Eixo (m):					-6,169	-4,308	-4,298	0,000	5,815
Cota (m):					13,339	13,302	13,412	13,498	13,272
E:					708.625,4002	708.623,5405	708.623,5306	708.619,2364	708.613,4264
N:					7.090.230,9768	7.090.230,9022	7.090.230,9018	7.090.230,7296	7.090.230,4967
Station: 24+0									
Dist. Eixo (m):								0,000	6,102
Cota (m):								13,513	13,281
E:								708.619,6370	708.613,5402
N:								7.090.220,7377	7.090.220,4932

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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL.PAV.	PISTA	EIXO	PISTA	TAL.PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 25+0											
Dist. Eixo (m):		-6,217	-4,534	-4,534	-4,136	0,000	4,112	4,510	4,510	6,492	6,725
Cota Camada 1 (m)					13,321	13,403	13,321				
Cota Camada 3 (m)					13,241	13,323	13,241				
Cota Camada 6 (m)					13,201	13,283	13,201				
Cota Camada 7 (m)					13,081	13,163	13,081				
Cota (m):		13,252	13,218	12,922	12,931	13,013	12,931	12,923	13,219	13,258	13,363
E:		708.626,6505	708.624,9683	708.624,9683	708.624,5705	708.620,4383	708.616,3299	708.615,9323	708.615,9323	708.613,9519	708.613,7182
N:		7.090.201,0028	7.090.200,9354	7.090.200,9354	7.090.200,9194	7.090.200,7537	7.090.200,5890	7.090.200,5731	7.090.200,5731	7.090.200,4937	7.090.200,4843

Station: 25+1											
Dist. Eixo (m):		-6,022	-4,400	-4,400	-4,002	0,000	4,000	4,398	4,398	6,159	6,406
Cota Camada 1 (m)					13,321	13,401	13,321				
Cota Camada 3 (m)					13,241	13,321	13,241				
Cota Camada 6 (m)					13,201	13,281	13,201				
Cota Camada 7 (m)					13,081	13,161	13,081				
Cota (m):		13,251	13,219	12,923	12,931	13,011	12,931	12,923	13,219	13,254	13,349
E:		708.626,5077	708.624,8873	708.624,8873	708.624,4895	708.620,4910	708.616,4942	708.616,0965	708.616,0965	708.614,3371	708.614,0898
N:		7.090.199,6813	7.090.199,6164	7.090.199,6164	7.090.199,6004	7.090.199,4401	7.090.199,2798	7.090.199,2639	7.090.199,2639	7.090.199,1934	7.090.199,1834

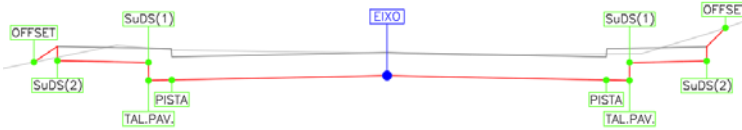
Station: 25+10											
Dist. Eixo (m):		-5,998	-4,404	-4,404	-4,005	0,000	4,010	4,408	4,408	6,010	6,345
Cota Camada 1 (m)					13,306	13,386	13,306				
Cota Camada 3 (m)					13,226	13,306	13,226				
Cota Camada 6 (m)					13,186	13,266	13,186				
Cota Camada 7 (m)					13,066	13,146	13,066				
Cota (m):		13,236	13,204	12,908	12,916	12,996	12,916	12,908	13,204	13,236	13,273
E:		708.626,8606	708.625,2674	708.625,2674	708.624,8696	708.620,8680	708.616,8615	708.616,4639	708.616,4639	708.614,8634	708.614,5291
N:		7.090.191,0234	7.090.190,9541	7.090.190,9541	7.090.190,9369	7.090.190,7630	7.090.190,5889	7.090.190,5716	7.090.190,5716	7.090.190,5021	7.090.190,4875

Station: 26+0											
Dist. Eixo (m):		-5,996	-4,410	-4,410	-4,012	0,000	4,022	4,420	4,420	6,022	6,379
Cota Camada 1 (m)					13,289	13,370	13,289				
Cota Camada 3 (m)					13,209	13,290	13,209				
Cota Camada 6 (m)					13,169	13,250	13,169				
Cota Camada 7 (m)					13,049	13,130	13,049				
Cota (m):		13,219	13,187	12,891	12,899	12,980	12,899	12,891	13,187	13,219	13,241
E:		708.627,2930	708.625,7081	708.625,7081	708.625,3104	708.621,3021	708.617,2839	708.616,8863	708.616,8863	708.615,2857	708.614,9293
N:		7.090.181,0327	7.090.180,9639	7.090.180,9639	7.090.180,9466	7.090.180,7724	7.090.180,5978	7.090.180,5805	7.090.180,5805	7.090.180,5110	7.090.180,4955

Station: 26+10											
Dist. Eixo (m):		-5,995	-4,417	-4,417	-4,019	0,000	4,034	4,432	4,432	6,034	6,334
Cota Camada 1 (m)					13,272	13,353	13,272				
Cota Camada 3 (m)					13,192	13,273	13,192				
Cota Camada 6 (m)					13,152	13,233	13,152				
Cota Camada 7 (m)					13,032	13,113	13,032				
Cota (m):		13,202	13,170	12,874	12,882	12,963	12,882	12,874	13,170	13,202	13,262
E:		708.627,7253	708.626,1489	708.626,1489	708.625,7511	708.621,7362	708.617,7062	708.617,3086	708.617,3086	708.615,7081	708.615,4084
N:		7.090.171,0421	7.090.170,9736	7.090.170,9736	7.090.170,9563	7.090.170,7818	7.090.170,6067	7.090.170,5894	7.090.170,5894	7.090.170,5199	7.090.170,5069

Station: 27+0											
Dist. Eixo (m):		-5,993	-4,423	-4,423	-4,025	0,000	4,046	4,444	4,444	6,046	6,277
Cota Camada 1 (m)					13,255	13,336	13,255				
Cota Camada 3 (m)					13,175	13,256	13,175				
Cota Camada 6 (m)					13,135	13,216	13,135				
Cota Camada 7 (m)					13,015	13,096	13,015				
Cota (m):		13,184	13,153	12,857	12,865	12,946	12,865	12,857	13,153	13,185	13,291
E:		708.628,1576	708.626,5896	708.626,5896	708.626,1918	708.622,1703	708.618,1285	708.617,7309	708.617,7309	708.616,1304	708.615,8995
N:		7.090.161,0514	7.090.160,9833	7.090.160,9833	7.090.160,9660	7.090.160,7913	7.090.160,6156	7.090.160,5983	7.090.160,5983	7.090.160,5288	7.090.160,5188

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL.PAV.	PISTA	EIXO	PISTA	TAL.PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 27+10											
Dist. Eixo (m):		-5,991	-4,430	-4,430	-4,032	0,000	4,057	4,455	4,455	6,057	6,203
Cota Camada 1 (m)					13,238	13,319	13,238				
Cota Camada 3 (m)					13,158	13,239	13,158				
Cota Camada 6 (m)					13,118	13,199	13,118				
Cota Camada 7 (m)					12,998	13,079	12,998				
Cota (m):		13,167	13,136	12,840	12,848	12,929	12,848	12,840	13,136	13,168	13,330
E:		708.628,5899	708.627,0303	708.627,0303	708.626,6325	708.622,6045	708.618,5508	708.618,1532	708.618,1532	708.616,5527	708.616,4069
N:		7.090.151,0608	7.090.150,9930	7.090.150,9930	7.090.150,9757	7.090.150,8007	7.090.150,6245	7.090.150,6073	7.090.150,6073	7.090.150,5377	7.090.150,5314

Station: 28+0											
Dist. Eixo (m):		-5,989	-4,437	-4,437	-4,038	0,000	4,068				
Cota Camada 1 (m)					13,230	13,310	13,229				
Cota Camada 3 (m)					13,150	13,230	13,149				
Cota Camada 6 (m)					13,110	13,190	13,109				
Cota Camada 7 (m)					12,990	13,070	12,989				
Cota (m):		13,158	13,127	12,831	12,840	12,920	12,839				
E:		708.629,0223	708.627,4710	708.627,4710	708.627,0732	708.623,0386	708.618,9748				
N:		7.090.141,0701	7.090.141,0027	7.090.141,0027	7.090.140,9854	7.090.140,8101	7.090.140,6335				

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RUA RENATO SCHEUNEMANN

Station: 28+10										
Dist. Eixo (m):		-5,988	-4,443	-4,443	-4,045	0,000	4,068			
Cota Camada 1 (m)					13,271	13,352	13,270			
Cota Camada 3 (m)					13,191	13,272	13,190			
Cota Camada 6 (m)					13,151	13,232	13,150			
Cota Camada 7 (m)					13,031	13,112	13,030			
Cota (m):		13,200	13,169	12,873	12,881	12,962	12,880			
E:		708.629,4546	708.627,9117	708.627,9117	708.627,5139	708.623,4727	708.619,4085			
N:		7.090.131,0795	7.090.131,0124	7.090.131,0124	7.090.130,9951	7.090.130,8195	7.090.130,6429			
Station: 29+0										
Dist. Eixo (m):		-5,986	-4,450	-4,450	-4,052	0,000	4,068	5,192	5,192	5,243
Cota Camada 1 (m)					13,312	13,393	13,312			
Cota Camada 3 (m)					13,232	13,313	13,232			
Cota Camada 6 (m)					13,192	13,273	13,192			
Cota Camada 7 (m)					13,072	13,153	13,072			
Cota (m):		13,241	13,210	12,914	12,922	13,003	12,922	13,181	13,477	13,192
E:		708.629,8869	708.628,3524	708.628,3524	708.627,9547	708.623,9068	708.619,8422	708.618,7198	708.618,7198	708.618,6692
N:		7.090.121,0888	7.090.121,0221	7.090.121,0221	7.090.121,0049	7.090.120,8290	7.090.120,6523	7.090.120,6036	7.090.120,6036	7.090.120,6014
Station: 29+10										
Dist. Eixo (m):		-6,023	-4,456	-4,456	-4,058	0,000	4,045	4,443	4,443	6,048
Cota Camada 1 (m)					13,306	13,387	13,306			
Cota Camada 3 (m)					13,226	13,307	13,226			
Cota Camada 6 (m)					13,186	13,267	13,186			
Cota Camada 7 (m)					13,066	13,147	13,066			
Cota (m):		13,235	13,204	12,908	12,916	12,997	12,916	12,908	13,204	13,236
E:		708.630,3584	708.628,7932	708.628,7932	708.628,3954	708.624,3409	708.620,2999	708.619,9023	708.619,9023	708.618,2990
N:		7.090.111,0999	7.090.111,0318	7.090.111,0318	7.090.111,0146	7.090.110,8384	7.090.110,6628	7.090.110,6455	7.090.110,6455	7.090.110,5759
Station: 30+0										
Dist. Eixo (m):		-6,013	-4,463	-4,463	-4,065	0,000	4,013	4,411	4,411	6,027
Cota Camada 1 (m)					13,292	13,373	13,293			
Cota Camada 3 (m)					13,212	13,293	13,213			
Cota Camada 6 (m)					13,172	13,253	13,173			
Cota Camada 7 (m)					13,052	13,133	13,053			
Cota (m):		13,221	13,190	12,894	12,902	12,983	12,903	12,895	13,191	13,223
E:		708.630,7825	708.629,2339	708.629,2339	708.628,8361	708.624,7750	708.620,7655	708.620,3679	708.620,3679	708.618,7539
N:		7.090.101,1089	7.090.101,0416	7.090.101,0416	7.090.101,0243	7.090.100,8478	7.090.100,6736	7.090.100,6563	7.090.100,6563	7.090.100,5862
Station: 30+10										
Dist. Eixo (m):		-5,866	-4,470	-4,470	-4,072	0,000	3,982	4,380	4,380	6,006
Cota Camada 1 (m)					13,278	13,359	13,279			
Cota Camada 3 (m)					13,198	13,279	13,199			
Cota Camada 6 (m)					13,158	13,239	13,159			
Cota Camada 7 (m)					13,038	13,119	13,039			
Cota (m):		13,203	13,175	12,879	12,888	12,969	12,889	12,881	13,177	13,210
E:		708.631,0696	708.629,6746	708.629,6746	708.629,2768	708.625,2091	708.621,2310	708.620,8334	708.620,8334	708.619,2089
N:		7.090.091,1119	7.090.091,0513	7.090.091,0513	7.090.091,0340	7.090.090,8572	7.090.090,6844	7.090.090,6671	7.090.090,6671	7.090.090,5965
Station: 31+0										
Dist. Eixo (m):		-5,880	-4,476	-4,476	-4,078	0,000	3,950	4,348	4,348	5,985
Cota Camada 1 (m)					13,263	13,345	13,266			
Cota Camada 3 (m)					13,183	13,265	13,186			
Cota Camada 6 (m)					13,143	13,225	13,146			
Cota Camada 7 (m)					13,023	13,105	13,026			
Cota (m):		13,189	13,161	12,865	12,873	12,955	12,876	12,868	13,164	13,196
E:		708.631,5177	708.630,1153	708.630,1153	708.629,7175	708.625,6432	708.621,6966	708.621,2990	708.621,2990	708.619,6638
N:		7.090.081,1219	7.090.081,0610	7.090.081,0610	7.090.081,0437	7.090.080,8667	7.090.080,6952	7.090.080,6779	7.090.080,6779	7.090.080,6068
Station: 31+10										
Dist. Eixo (m):		-6,286	-4,483	-4,483	-4,085	0,000	3,919	4,317	4,317	5,964
Cota Camada 1 (m)					13,249	13,331	13,252			
Cota Camada 3 (m)					13,169	13,251	13,172			
Cota Camada 6 (m)					13,129	13,211	13,132			
Cota Camada 7 (m)					13,009	13,091	13,012			
Cota (m):		13,183	13,147	12,851	12,859	12,941	12,862	12,855	13,151	13,183
E:		708.632,3570	708.630,5560	708.630,5560	708.630,1582	708.626,0774	708.622,1622	708.621,7646	708.621,7646	708.620,1187
N:		7.090.071,1490	7.090.071,0707	7.090.071,0707	7.090.071,0534	7.090.070,8761	7.090.070,7060	7.090.070,6887	7.090.070,6887	7.090.070,6172
Station: 31+19										
Dist. Eixo (m):		-12,164	-10,800	-10,800	-10,401	0,000				
Cota (m):		13,035	13,008	12,712	12,720	12,928				
E:		708.638,6310	708.637,2680	708.637,2680	708.636,8702	708.626,4785				
N:		7.090.062,1722	7.090.062,1130	7.090.062,1130	7.090.062,0957	7.090.061,6442				

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Desenho Esquemático:



PONTOS NOTÁVEIS			SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)		
Station: 0+10									
Dist. Eixo (m):			-6,285	-4,121	0,000	3,946	5,903		
Cota (m):			11,929	11,886	12,369	11,890	11,929		
E:			709.167,6731	709.167,7365	709.167,8573	709.167,9730	709.168,0304		
N:			7.089.785,3586	7.089.783,1950	7.089.779,0762	7.089.775,1317	7.089.773,1753		
Station: 1+0									
Dist. Eixo (m):			-6,316	-4,116	0,000	4,068	5,829		
Cota (m):			11,920	11,876	12,369	11,877	11,913		
E:			709.177,6679	709.177,7324	709.177,8530	709.177,9723	709.178,0239		
N:			7.089.785,6828	7.089.783,4834	7.089.779,3694	7.089.775,3030	7.089.773,5429		
Station: 1+10									
Dist. Eixo (m):			-6,349	-4,111	0,000	4,070	5,772		
Cota (m):			11,914	11,869	12,369	11,870	11,904		
E:			709.187,6626	709.187,7282	709.187,8487	709.187,9680	709.188,0179		
N:			7.089.786,0090	7.089.783,7719	7.089.779,6626	7.089.775,5945	7.089.773,8926		
Station: 2+0									
Dist. Eixo (m):			-6,382	-4,106	0,000	4,000	5,729		
Cota (m):			11,911	11,866	12,369	11,868	11,903		
E:			709.197,6573	709.197,7240	709.197,8444	709.197,9617	709.198,0124		
N:			7.089.786,3352	7.089.784,0603	7.089.779,9557	7.089.775,9577	7.089.774,2293		
Station: 2+10									
Dist. Eixo (m):			-6,415	-4,102	0,000	3,995	5,697		
Cota (m):			11,942	11,895	12,369	11,897	11,931		
E:			709.207,6521	709.207,7199	709.207,8401	709.207,9572	709.208,0071		
N:			7.089.786,6614	7.089.784,3487	7.089.780,2489	7.089.776,2555	7.089.774,5545		
Station: 3+0									
Dist. Eixo (m):			-6,448	-4,097	0,000	3,990	5,667		
Cota (m):			11,976	11,929	12,369	11,931	11,964		
E:			709.217,6468	709.217,7157	709.217,8358	709.217,9528	709.218,0019		
N:			7.089.786,9876	7.089.784,6372	7.089.780,5420	7.089.776,5533	7.089.774,8778		
Station: 3+10									
Dist. Eixo (m):					0,000	3,986	5,673		
Cota (m):					12,369	11,921	11,955		
E:					709.227,8315	709.227,9484	709.227,9978		
N:					7.089.780,8352	7.089.776,8511	7.089.775,1643		
Station: 4+0									
Dist. Eixo (m):					0,000	3,981	5,692		
Cota (m):					12,376	11,887	11,921		
E:					709.237,8272	709.237,9439	709.237,9941		
N:					7.089.781,1283	7.089.777,1489	7.089.775,4392		
Station: 4+10									
Dist. Eixo (m):			-6,261	-4,117	0,000	3,976	5,743		
Cota (m):			11,956	11,913	12,369	11,916	11,951		
E:			709.247,6394	709.247,7023	709.247,8229	709.247,9395	709.247,9913		
N:			7.089.787,6802	7.089.785,5363	7.089.781,4215	7.089.777,4467	7.089.775,6814		
Station: 5+0									
Dist. Eixo (m):			-6,297	-4,122	0,000	3,972	5,895		
Cota (m):			11,927	11,883	12,376	11,886	11,925		
E:			709.257,6340	709.257,6978	709.257,8186	709.257,9351	709.257,9914		
N:			7.089.788,0092	7.089.785,8345	7.089.781,7146	7.089.777,7446	7.089.775,8224		
Station: 5+10									
Dist. Eixo (m):			-6,260	-4,127	0,000	3,972	5,685		
Cota (m):			11,904	11,861	12,354	11,864	11,899		
E:			709.267,6308	709.267,6934	709.267,8143	709.267,9308	709.267,9810		
N:			7.089.788,2648	7.089.786,1328	7.089.782,0078	7.089.778,0379	7.089.776,3251		
Station: 6+0									
Dist. Eixo (m):			-6,222	-4,132	0,000	3,980	5,746		
Cota (m):			11,901	11,859	12,351	11,862	11,897		
E:			709.277,6276	709.277,6889	709.277,8100	709.277,9267	709.277,9785		
N:			7.089.788,5203	7.089.786,4310	7.089.782,3009	7.089.778,3222	7.089.776,5571		
Station: 6+10									
Dist. Eixo (m):			-6,153	-4,137	0,000	3,989	5,754		
Cota (m):			11,870	11,829	12,322	11,832	11,868		
E:			709.287,6253	709.287,6845	709.287,8057	709.287,9227	709.287,9744		
N:			7.089.788,7449	7.089.786,7292	7.089.782,5941	7.089.778,6065	7.089.776,8430		
Station: 7+0									
Dist. Eixo (m):			-6,080	-4,142	0,000	3,998	5,702		
Cota (m):			11,807	11,768	12,261	11,771	11,805		
E:			709.297,6232	709.297,6800	709.297,8014	709.297,9186	709.297,9686		
N:			7.089.788,9650	7.089.787,0275	7.089.782,8872	7.089.778,8909	7.089.777,1876		
Station: 7+10									
Dist. Eixo (m):			-6,011	-4,147	0,000	4,007	5,707		
Cota (m):			11,752	11,714	12,207	11,717	11,751		
E:			709.307,6209	709.307,6756	709.307,7971	709.307,9146	709.307,9644		
N:			7.089.789,1883	7.089.787,3257	7.089.783,1804	7.089.779,1752	7.089.777,4758		
Station: 8+0									
Dist. Eixo (m):			-5,988	-4,152	0,000	4,016	5,746		
Cota (m):			11,708	11,672	12,164	11,674	11,709		
E:			709.317,6173	709.317,6711	709.317,7928	709.317,9106	709.317,9613		
N:			7.089.789,4592	7.089.787,6239	7.089.783,4735	7.089.779,4595	7.089.777,7296		

PREFEITURA MUNICIPAL DE JOINVILLE
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NOTA DE SERVIÇO
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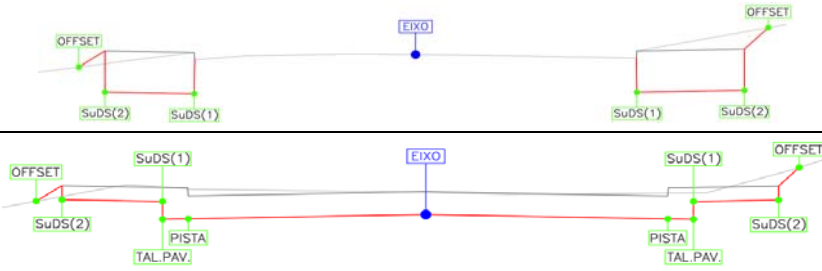
Desenho Esquemático:



PONTOS NOTÁVEIS			SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)		
Station: 8+10									
Dist. Eixo (m):			-6,007	-4,126	0,000	4,025	5,742		
Cota (m):			11,666	11,628	12,120	11,630	11,664		
E:			709.327,6125	709.327,6676	709.327,7885	709.327,9065	709.327,9569		
N:			7.089.789,7707	7.089.787,8912	7.089.783,7667	7.089.779,7439	7.089.778,0271		
Station: 9+0									
Dist. Eixo (m):			-6,016	-4,092	0,000	4,033	5,781		
Cota (m):			11,608	11,570	12,062	11,571	11,606		
E:			709.337,6079	709.337,6643	709.337,7842	709.337,9025	709.337,9537		
N:			7.089.790,0736	7.089.788,1503	7.089.784,0598	7.089.780,0282	7.089.778,2818		
Station: 10+10									
Dist. Eixo (m):			-6,130	-4,256	0,000	5,010	5,816		
Cota (m):			11,789	11,752	11,946	11,736	11,753		
E:			709.367,5916	709.367,6466	709.367,7714	709.367,9182	709.367,9419		
N:			7.089.791,0670	7.089.789,1933	7.089.784,9393	7.089.779,9315	7.089.779,1259		
Station: 11+0									
Dist. Eixo (m):			-6,093	-4,173	0,000	3,944	5,897		
Cota (m):			11,782	11,743	11,936	11,748	11,787		
E:			709.377,5885	709.377,6447	709.377,7671	709.377,8827	709.377,9399		
N:			7.089.791,3223	7.089.789,4036	7.089.785,2325	7.089.781,2903	7.089.779,3377		
Station: 11+10									
Dist. Eixo (m):			-6,089	-4,155	0,000	3,959	5,931		
Cota (m):			11,760	11,721	11,914	11,725	11,764		
E:			709.387,5843	709.387,6409	709.387,7628	709.387,8788	709.387,9366		
N:			7.089.791,6116	7.089.789,6791	7.089.785,5256	7.089.781,5679	7.089.779,5967		
Station: 12+0									
Dist. Eixo (m):			-6,092	-4,141	0,000	3,966	5,890		
Cota (m):			11,685	11,646	11,839	11,650	11,688		
E:			709.397,5799	709.397,6371	709.397,7585	709.397,8747	709.397,9311		
N:			7.089.791,9079	7.089.789,9583	7.089.785,8188	7.089.781,8548	7.089.779,9310		
Station: 12+10									
Dist. Eixo (m):			-6,145	-4,127	0,000	3,972	5,915		
Cota (m):			11,635	11,594	11,787	11,597	11,636		
E:			709.407,5740	709.407,6332	709.407,7542	709.407,8706	709.407,9276		
N:			7.089.792,2540	7.089.790,2375	7.089.786,1119	7.089.782,1418	7.089.780,1996		
Station: 13+0									
Dist. Eixo (m):			-6,134	-4,113	0,000	3,978	5,984		
Cota (m):			11,635	11,594	11,786	11,597	11,637		
E:			709.417,5701	709.417,6293	709.417,7499	709.417,8665	709.417,9253		
N:			7.089.792,5362	7.089.790,5166	7.089.786,4051	7.089.782,4288	7.089.780,4240		
Station: 13+10									
Dist. Eixo (m):			-6,112	-4,099	0,000	3,984	5,892		
Cota (m):			11,632	11,591	11,783	11,594	11,632		
E:			709.427,5664	709.427,6254	709.427,7456	709.427,8624	709.427,9183		
N:			7.089.792,8080	7.089.790,7958	7.089.786,6982	7.089.782,7157	7.089.780,8086		
Station: 14+0									
Dist. Eixo (m):			-6,091	-4,085	0,000	3,990	5,912		
Cota (m):			11,600	11,560	11,752	11,562	11,600		
E:			709.437,5627	709.437,6215	709.437,7413	709.437,8583	709.437,9146		
N:			7.089.793,0799	7.089.791,0750	7.089.786,9914	7.089.783,0027	7.089.781,0815		
Station: 14+10									
Dist. Eixo (m):			-6,070	-4,096	0,000	3,997	5,933		
Cota (m):			11,568	11,528	11,720	11,530	11,569		
E:			709.447,5590	709.447,6169	709.447,7370	709.447,8541	709.447,9109		
N:			7.089.793,3517	7.089.791,3792	7.089.787,2845	7.089.783,2896	7.089.781,3544		
Station: 15+0									
Dist. Eixo (m):			-5,972	-4,136	0,000	4,003	5,953		
Cota (m):			11,544	11,507	11,700	11,510	11,549		
E:			709.457,5576	709.457,6114	709.457,7327	709.457,8500	709.457,9072		
N:			7.089.793,5473	7.089.791,7116	7.089.787,5777	7.089.783,5766	7.089.781,6274		
Station: 15+10									
Dist. Eixo (m):			-6,541	-4,802	0,000	4,009	5,973		
Cota (m):			11,515	11,481	11,685	11,495	11,534		
E:			709.467,5366	709.467,5876	709.467,7284	709.467,8459	709.467,9035		
N:			7.089.794,4093	7.089.792,6705	7.089.787,8708	7.089.783,8635	7.089.781,9003		

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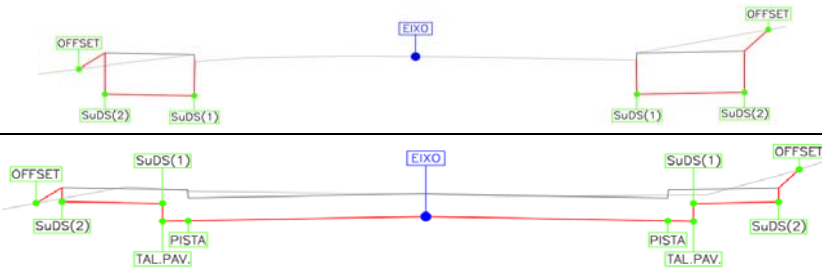
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):						0,000			7,911	12,916	
Cota (m):									13,449	13,549	
E:						709.443,5538			709.435,6472	709.430,6462	
N:						7.090.785,4232			7.090.785,1462	7.090.784,9709	
Station: 0+10											
Dist. Eixo (m):		-5,945	-3,724			0,000			4,004	6,000	
Cota (m):		13,702	13,658						13,652	13,692	
E:		709.449,8458	709.447,6261			709.443,9039			709.439,9023	709.437,9077	
N:		7.090.775,6375	7.090.775,5597			7.090.775,4293			7.090.775,2891	7.090.775,2192	
Station: 1+0											
Dist. Eixo (m):		-5,938	-3,723			0,000			3,974	5,984	
Cota (m):		13,744	13,700						13,695	13,735	
E:		709.450,1886	709.447,9752			709.444,2541			709.440,2821	709.438,2741	
N:		7.090.765,6434	7.090.765,5658			7.090.765,4354			7.090.765,2963	7.090.765,2259	
Station: 1+10											
Dist. Eixo (m):		-5,928	-3,729			0,000			3,945	5,967	
Cota (m):		13,689	13,645						13,640	13,681	
E:		709.450,5291	709.448,3309			709.444,6042			709.440,6620	709.438,6405	
N:		7.090.755,6492	7.090.755,5721			7.090.755,4416			7.090.755,3034	7.090.755,2326	
Station: 2+0											
Dist. Eixo (m):		-5,919	-3,734			0,000			3,915	5,951	
Cota (m):		13,632	13,589						13,585	13,626	
E:		709.450,8695	709.448,6866			709.444,9544			709.441,0418	709.439,0070	
N:		7.090.745,6549	7.090.745,5785			7.090.745,4477			7.090.745,3106	7.090.745,2393	
Station: 2+10											
Dist. Eixo (m):		-5,909	-3,740			0,000			3,885	5,935	
Cota (m):		13,568	13,525						13,522	13,563	
E:		709.451,2100	709.449,0423			709.445,3045			709.441,4217	709.439,3734	
N:		7.090.735,6607	7.090.735,5848			7.090.735,4538			7.090.735,3178	7.090.735,2460	
Station: 3+0											
Dist. Eixo (m):		-5,899	-3,746			0,000			3,856	5,919	
Cota (m):		13,495	13,452						13,450	13,491	
E:		709.451,5504	709.449,3980			709.445,6547			709.441,8015	709.439,7398	
N:		7.090.725,6665	7.090.725,5911			7.090.725,4600			7.090.725,3250	7.090.725,2527	
Station: 3+10											
Dist. Eixo (m):		-5,889	-3,750			0,000			3,826	5,952	
Cota (m):		13,401	13,359						13,357	13,400	
E:		709.451,8906	709.449,7529			709.446,0048			709.442,1814	709.440,0570	
N:		7.090.715,6723	7.090.715,5974			7.090.715,4661			7.090.715,3321	7.090.715,2577	
Station: 4+0											
Dist. Eixo (m):		-5,893	-3,736			0,000			3,796	5,942	
Cota (m):		13,303	13,260						13,258	13,301	
E:		709.452,2447	709.450,0892			709.446,3550			709.442,5613	709.440,4162	
N:		7.090.705,6786	7.090.705,6031			7.090.705,4722			7.090.705,3393	7.090.705,2642	
Station: 4+10											
Dist. Eixo (m):		-5,903	-3,719			0,000			3,762	6,118	
Cota (m):		13,186	13,142						13,141	13,188	
E:		709.452,6045	709.450,4222			709.446,7051			709.442,9457	709.440,5904	
N:		7.090.695,6851	7.090.695,6086			7.090.695,4784			7.090.695,3466	7.090.695,2641	
Station: 5+0											
Dist. Eixo (m):		-5,913	-3,691			0,000			3,727	6,153	
Cota (m):		13,069	13,025						13,024	13,073	
E:		709.452,9642	709.450,7439			709.447,0553			709.443,3305	709.440,9058	
N:		7.090.685,6915	7.090.685,6137			7.090.685,4845			7.090.685,3540	7.090.685,2690	
Station: 5+10											
Dist. Eixo (m):		-5,918	-3,662			0,000			3,692	6,143	
Cota (m):		12,913	12,868						12,867	12,916	
E:		709.453,3197	709.451,0656			709.447,4054			709.443,7153	709.441,2664	
N:		7.090.675,6978	7.090.675,6189			7.090.675,4906			7.090.675,3613	7.090.675,2755	
Station: 6+0											
Dist. Eixo (m):		-5,874	-3,634			0,000			3,658	6,110	
Cota (m):		12,755	12,710						12,710	12,759	
E:		709.453,6263	709.451,3873			709.447,7556			709.444,1000	709.441,6492	
N:		7.090.665,7024	7.090.665,6240			7.090.665,4968			7.090.665,3687	7.090.665,2828	
Station: 6+10											
Dist. Eixo (m):		-5,822	-3,615			0,000			3,626	6,168	
Cota (m):		12,593	12,548						12,548	12,599	
E:		709.453,9244	709.451,7186			709.448,1057			709.444,4818	709.441,9416	
N:		7.090.655,7068	7.090.655,6295			7.090.655,5029			7.090.655,3759	7.090.655,2869	

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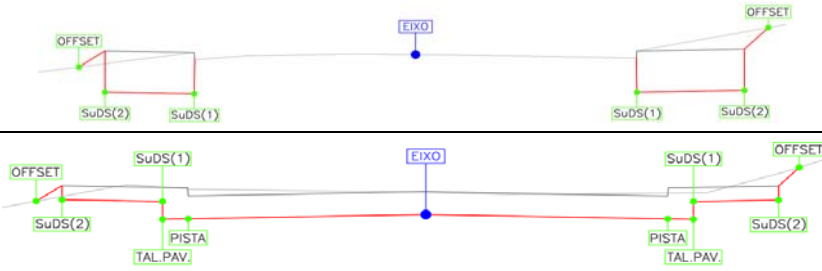
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 7+0											
Dist. Eixo (m):		-7,087	-4,179			0,000			3,665	6,369	
Cota (m):		12,428	12,374						12,384	12,438	
E:		709.455,5389	709.452,6322			709.448,4559			709.444,7927	709.442,0908	
N:		7.090.645,7572	7.090.645,6553			7.090.645,5090			7.090.645,3807	7.090.645,2860	
Station: 7+10											
Dist. Eixo (m):						0,000			3,705	6,635	
Cota (m):									12,246	12,305	
E:						709.448,8060			709.445,1035	709.442,1753	
N:						7.090.635,5152			7.090.635,3854	7.090.635,2828	
Station: 8+0											
Dist. Eixo (m):		-5,638	-3,617			0,000			3,744	6,735	
Cota (m):		12,265	12,226						12,224	12,283	
E:		709.454,7908	709.452,7705			709.449,1562			709.445,4144	709.442,4256	
N:		7.090.625,7187	7.090.625,6479			7.090.625,5213			7.090.625,3902	7.090.625,2855	
Station: 8+10											
Dist. Eixo (m):		-5,750	-3,609			0,000			3,783	6,675	
Cota (m):		12,294	12,251						12,248	12,306	
E:		709.455,2527	709.453,1132			709.449,5063			709.445,7252	709.442,8356	
N:		7.090.615,7288	7.090.615,6538			7.090.615,5274			7.090.615,3949	7.090.615,2937	
Station: 9+0											
Dist. Eixo (m):		-5,943	-3,604			0,000			3,823	6,649	
Cota (m):		12,377	12,330						12,326	12,383	
E:		709.455,7961	709.453,4583			709.449,8565			709.446,0361	709.443,2115	
N:		7.090.605,7417	7.090.605,6597			7.090.605,5336			7.090.605,3997	7.090.605,3007	
Station: 9+10											
Dist. Eixo (m):		-6,039	-3,622			0,000			3,862	6,568	
Cota (m):		12,469	12,421						12,416	12,470	
E:		709.456,2424	709.453,8269			709.450,2066			709.446,3469	709.443,6428	
N:		7.090.595,7512	7.090.595,6665			7.090.595,5397			7.090.595,4045	7.090.595,3097	
Station: 10+0											
Dist. Eixo (m):		-5,985	-3,638			0,000			3,894	6,473	
Cota (m):		12,610	12,563						12,558	12,609	
E:		709.456,5386	709.454,1926			709.450,5568			709.446,6650	709.444,0880	
N:		7.090.585,7554	7.090.585,6732			7.090.585,5458			7.090.585,4095	7.090.585,3192	
Station: 10+10											
Dist. Eixo (m):		-5,931	-3,654			0,000			3,896	6,457	
Cota (m):		12,819	12,773						12,768	12,819	
E:		709.456,8348	709.454,5583			709.450,9069			709.447,0133	709.444,4538	
N:		7.090.575,7596	7.090.575,6799			7.090.575,5519			7.090.575,4155	7.090.575,3259	
Station: 11+0											
Dist. Eixo (m):		-5,870	-3,669			0,000			3,898	6,428	
Cota (m):		13,031	12,987						12,982	13,033	
E:		709.457,1231	709.454,9241			709.451,2571			709.447,3617	709.444,8326	
N:		7.090.565,7636	7.090.565,6866			7.090.565,5581			7.090.565,4216	7.090.565,3330	
Station: 11+10											
Dist. Eixo (m):		-5,800	-3,685			0,000			3,900	6,400	
Cota (m):		13,263	13,221						13,217	13,267	
E:		709.457,4033	709.455,2898			709.451,6072			709.447,7101	709.445,2113	
N:		7.090.555,7673	7.090.555,6932			7.090.555,5642			7.090.555,4277	7.090.555,3401	
Station: 12+0											
Dist. Eixo (m):		-5,761	-3,700			0,000			3,901	6,334	
Cota (m):		13,495	13,454						13,450	13,498	
E:		709.457,7148	709.455,6556			709.451,9574			709.448,0584	709.445,6272	
N:		7.090.545,7721	7.090.545,6999			7.090.545,5703			7.090.545,4337	7.090.545,3486	
Station: 12+10											
Dist. Eixo (m):		-5,714	-3,716			0,000			3,903	6,266	
Cota (m):		13,686	13,646						13,643	13,690	
E:		709.458,0179	709.456,0213			709.452,3075			709.448,4068	709.446,0453	
N:		7.090.535,7765	7.090.535,7066			7.090.535,5765			7.090.535,4398	7.090.535,3571	
Station: 13+0											
Dist. Eixo (m):		-5,680	-3,732			0,000			3,905	6,198	
Cota (m):		13,878	13,839						13,836	13,882	
E:		709.458,3337	709.456,3870			709.452,6577			709.448,7551	709.446,4635	
N:		7.090.525,7815	7.090.525,7133			7.090.525,5826			7.090.525,4459	7.090.525,3656	
Station: 13+10											
Dist. Eixo (m):		-5,616	-3,747			0,000			3,907	6,165	
Cota (m):		13,925	13,888						13,884	13,930	
E:		709.458,6201	709.456,7528			709.453,0078			709.449,1035	709.446,8464	
N:		7.090.515,7854	7.090.515,7200			7.090.515,5887			7.090.515,4519	7.090.515,3729	

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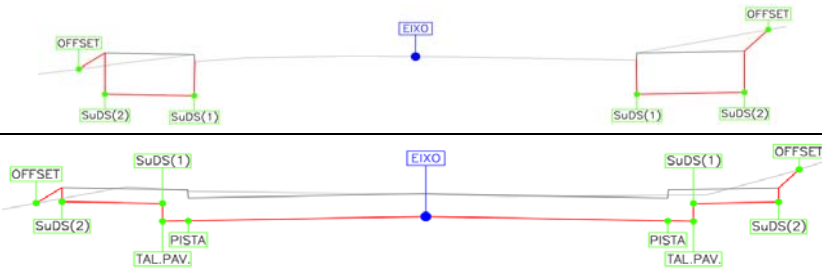
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 14+0											
Dist. Eixo (m):		-5,647	-3,763			0,000			3,909	6,139	
Cota (m):		13,907	13,870						13,867	13,911	
E:		709.459,0012	709.457,1185			709.453,3580			709.449,4518	709.447,2225	
N:		7.090.505,7926	7.090.505,7266			7.090.505,5949			7.090.505,4580	7.090.505,3799	
Station: 14+10											
Dist. Eixo (m):						0,000			3,910	6,128	
Cota (m):									13,813	13,858	
E:						709.453,7081			709.449,8002	709.447,5835	
N:						7.090.495,6010			7.090.495,4641	7.090.495,3864	
Station: 15+0											
Dist. Eixo (m):						0,000			3,912	6,195	
Cota (m):									13,665	13,711	
E:						709.454,0583			709.450,1486	709.447,8669	
N:						7.090.485,6071			7.090.485,4702	7.090.485,3902	
Station: 15+10											
Dist. Eixo (m):						0,000			3,929	6,280	
Cota (m):									13,453	13,500	
E:						709.454,4084			709.450,4816	709.448,1323	
N:						7.090.475,6133			7.090.475,4757	7.090.475,3934	
Station: 16+0											
Dist. Eixo (m):		-5,863	-3,576			0,000			3,948	6,255	
Cota (m):		13,725	13,679						13,671	13,718	
E:		709.460,6177	709.458,3321			709.454,7586			709.450,8132	709.448,5074	
N:		7.090.465,8247	7.090.465,7446			7.090.465,6194			7.090.465,4812	7.090.465,4004	
Station: 16+10											
Dist. Eixo (m):		-5,822	-3,561			0,000			3,966	6,245	
Cota (m):		13,547	13,502						13,494	13,540	
E:		709.460,9270	709.458,6676			709.455,1087			709.451,1450	709.448,8675	
N:		7.090.455,8294	7.090.455,7502			7.090.455,6255			7.090.455,4867	7.090.455,4069	
Station: 17+0											
Dist. Eixo (m):		-5,849	-3,546			0,000			3,984	6,312	
Cota (m):		13,371	13,325						13,316	13,362	
E:		709.461,3040	709.459,0030			709.455,4589			709.451,4768	709.449,1511	
N:		7.090.445,8365	7.090.445,7558			7.090.445,6317			7.090.445,4921	7.090.445,4107	
Station: 17+10											
Dist. Eixo (m):		-5,920	-3,532			0,000			4,003	6,377	
Cota (m):		13,240	13,192						13,183	13,231	
E:		709.461,7258	709.459,3384			709.455,8090			709.451,8086	709.449,4364	
N:		7.090.435,8451	7.090.435,7615			7.090.435,6378			7.090.435,4976	7.090.435,4145	
Station: 18+0											
Dist. Eixo (m):		-5,794	-3,517			0,000			4,021	6,319	
Cota (m):		13,130	13,085						13,074	13,120	
E:		709.461,9497	709.459,6739			709.456,1592			709.452,1404	709.449,8437	
N:		7.090.425,8468	7.090.425,7671			7.090.425,6439			7.090.425,5031	7.090.425,4227	
Station: 18+10											
Dist. Eixo (m):		-5,693	-3,502			0,000			4,040	6,269	
Cota (m):		13,069	13,025						13,015	13,059	
E:		709.462,1988	709.460,0093			709.456,5093			709.452,4723	709.450,2439	
N:		7.090.415,8494	7.090.415,7727			7.090.415,6501			7.090.415,5086	7.090.415,4305	
Station: 19+0											
Dist. Eixo (m):		-5,635	-3,487			0,000			4,058	6,282	
Cota (m):		13,019	12,976						12,965	13,009	
E:		709.462,4911	709.460,3447			709.456,8595			709.452,8041	709.450,5813	
N:		7.090.405,8535	7.090.405,7783			7.090.405,6562			7.090.405,5141	7.090.405,4362	
Station: 19+10											
Dist. Eixo (m):		-5,577	-3,476			0,000			4,063	6,342	
Cota (m):		13,100	13,058						13,046	13,092	
E:		709.462,7835	709.460,6836			709.457,2096			709.453,1492	709.450,8716	
N:		7.090.395,8576	7.090.395,7840			7.090.395,6623			7.090.395,5201	7.090.395,4403	
Station: 20+0											
Dist. Eixo (m):		-5,585	-3,465			0,000			4,053	6,401	
Cota (m):		13,193	13,151						13,139	13,186	
E:		709.463,1416	709.461,0226			709.457,5598			709.453,5097	709.451,1624	
N:		7.090.385,8640	7.090.385,7898			7.090.385,6685			7.090.385,5266	7.090.385,4443	
Station: 20+10											
Dist. Eixo (m):		-5,622	-3,454			0,000			4,042	6,459	
Cota (m):		13,422	13,379						13,367	13,416	
E:		709.463,5285	709.461,3617			709.457,9099			709.453,8702	709.451,4544	
N:		7.090.375,8714	7.090.375,7955			7.090.375,6746			7.090.375,5331	7.090.375,4484	

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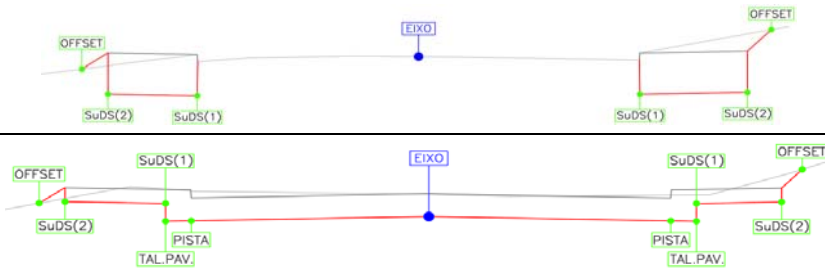
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 21+0											
Dist. Eixo (m):		-5,605	-3,443			0,000			4,032	6,516	
Cota (m):		13,675	13,631						13,620	13,669	
E:		709.463,8612	709.461,7007			709.458,2601			709.454,2307	709.451,7477	
N:		7.090.365,8770	7.090.365,8013			7.090.365,6807			7.090.365,5395	7.090.365,4526	
Station: 21+10											
Dist. Eixo (m):		-5,604	-3,471			0,000			4,021	6,514	
Cota (m):		14,042	13,999						13,988	14,038	
E:		709.464,2104	709.462,0789			709.458,6102			709.454,5912	709.452,1000	
N:		7.090.355,8831	7.090.355,8084			7.090.355,6869			7.090.355,5460	7.090.355,4588	
Station: 23+10											
Dist. Eixo (m):		-5,672	-3,432			0,000			4,087	6,374	
Cota (m):		17,149	17,104						17,091	17,137	
E:		709.465,6451	709.463,4060			709.459,9761			709.455,8910	709.453,6059	
N:		7.090.315,9020	7.090.315,8262			7.090.315,7102			7.090.315,5720	7.090.315,4946	
Station: 24+0											
Dist. Eixo (m):		-5,670	-3,454			0,000			4,122	6,293	
Cota (m):		17,909	17,864						17,851	17,894	
E:		709.465,9809	709.463,7665			709.460,3143			709.456,1942	709.454,0249	
N:		7.090.305,9076	7.090.305,8327			7.090.305,7159			7.090.305,5765	7.090.305,5031	
Station: 24+10											
Dist. Eixo (m):		-5,589	-3,477			0,000			4,136	6,311	
Cota (m):		18,465	18,423						18,410	18,453	
E:		709.466,2379	709.464,1270			709.460,6524			709.456,5193	709.454,3450	
N:		7.090.295,9106	7.090.295,8392			7.090.295,7216			7.090.295,5818	7.090.295,5082	
Station: 25+0											
Dist. Eixo (m):		-5,806	-3,489			0,000			4,112	6,337	
Cota (m):		18,865	18,818						18,806	18,850	
E:		709.466,7931	709.464,4772			709.460,9906			709.456,8809	709.454,6571	
N:		7.090.285,9237	7.090.285,8453			7.090.285,7273			7.090.285,5883	7.090.285,5130	
Station: 25+10											
Dist. Eixo (m):		-5,601	-3,453			0,000			4,089	6,336	
Cota (m):		19,169	19,126						19,114	19,159	
E:		709.466,9263	709.464,7802			709.461,3288			709.457,2425	709.454,9963	
N:		7.090.275,9225	7.090.275,8498			7.090.275,7331			7.090.275,5948	7.090.275,5188	
Station: 26+0											
Dist. Eixo (m):		-5,622	-3,440			0,000			4,065	6,335	
Cota (m):		19,216	19,172						19,160	19,205	
E:		709.467,2858	709.465,1050			709.461,6669			709.457,6042	709.455,3356	
N:		7.090.265,9289	7.090.265,8551			7.090.265,7388			7.090.265,6013	7.090.265,5246	
Station: 28+0											
Dist. Eixo (m):		-5,686	-3,497			0,000			3,796	6,230	
Cota (m):		17,817	17,773						17,767	17,816	
E:		709.468,7027	709.466,5146			709.463,0196			709.459,2258	709.456,7934	
N:		7.090.225,9540	7.090.225,8799			7.090.225,7617			7.090.225,6333	7.090.225,5510	
Station: 28+10											
Dist. Eixo (m):		-5,804	-3,493			0,000			3,857	6,162	
Cota (m):		17,612	17,571						17,564	17,610	
E:		709.469,1581	709.466,8492			709.463,3578			709.459,5031	709.457,1990	
N:		7.090.215,9636	7.090.215,8855			7.090.215,7674			7.090.215,6370	7.090.215,5590	
Station: 29+0											
Dist. Eixo (m):		-5,780	-3,490			0,000			3,918	6,235	
Cota (m):		17,356	17,310						17,302	17,348	
E:		709.469,4728	709.467,1839			709.463,6959			709.459,7804	709.457,4641	
N:		7.090.205,9686	7.090.205,8911			7.090.205,7731			7.090.205,6406	7.090.205,5622	
Station: 29+10											
Dist. Eixo (m):		-5,715	-3,484			0,000			3,968	6,307	
Cota (m):		17,094	17,049						17,039	17,086	
E:		709.469,7454	709.467,5160			709.464,0341			709.460,0684	709.457,7307	
N:		7.090.195,9721	7.090.195,8966			7.090.195,7788			7.090.195,6446	7.090.195,5655	
Station: 30+0											
Dist. Eixo (m):		-5,752	-3,475			0,000			4,011	6,305	
Cota (m):		16,748	16,703						16,692	16,738	
E:		709.470,1214	709.467,8450			709.464,3723			709.460,3637	709.458,0707	
N:		7.090.185,9791	7.090.185,9020			7.090.185,7845			7.090.185,6489	7.090.185,5713	
Station: 30+10											
Dist. Eixo (m):		-5,742	-3,466			0,000			4,028	6,391	
Cota (m):		16,250	16,204						16,193	16,240	
E:		709.470,4493	709.468,1741			709.464,7104			709.460,6852	709.458,3236	
N:		7.090.175,9844	7.090.175,9075			7.090.175,7903			7.090.175,6541	7.090.175,5742	

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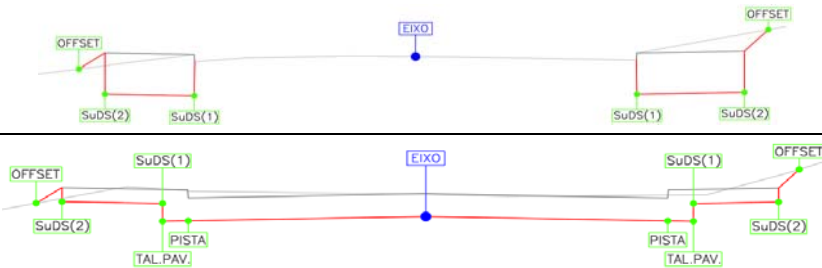
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 31+0											
Dist. Eixo (m):		-5,737	-3,456			0,000			4,012	6,479	
Cota (m):		15,751	15,705						15,694	15,744	
E:		709.470,7822	709.468,5031			709.465,0486			709.461,0386	709.458,5734	
N:		7.090.165,9900	7.090.165,9129			7.090.165,7960			7.090.165,6603	7.090.165,5769	
Station: 31+10											
Dist. Eixo (m):		-5,725	-3,447			0,000			3,997	6,554	
Cota (m):		15,139	15,093						15,082	15,134	
E:		709.471,1081	709.468,8321			709.465,3868			709.461,3921	709.458,8365	
N:		7.090.155,9953	7.090.155,9183			7.090.155,8017			7.090.155,6665	7.090.155,5801	
Station: 32+0											
Dist. Eixo (m):		-5,680	-3,438			0,000			3,982	6,616	
Cota (m):		14,497	14,452						14,441	14,494	
E:		709.471,4019	709.469,1612			709.465,7249			709.461,7455	709.459,1123	
N:		7.090.145,9995	7.090.145,9237			7.090.145,8074			7.090.145,6728	7.090.145,5837	
Station: 32+10											
Dist. Eixo (m):		-5,653	-3,436			0,000			3,974	6,642	
Cota (m):		13,903	13,842						13,832	13,885	
E:		709.471,7131	709.469,4971			709.466,0631			709.462,0910	709.459,4250	
N:		7.090.136,0043	7.090.135,9293			7.090.135,8131			7.090.135,6787	7.090.135,5885	
Station: 33+0											
Dist. Eixo (m):		-5,650	-3,462			0,000			4,008	6,309	
Cota (m):		13,405	13,361						13,350	13,396	
E:		709.472,0483	709.469,8612			709.466,4013			709.462,3955	709.460,0955	
N:		7.090.126,0099	7.090.125,9359			7.090.125,8189			7.090.125,6833	7.090.125,6055	
Station: 33+10											
Dist. Eixo (m):		-5,648	-3,488			0,000			4,042	6,307	
Cota (m):		12,923	12,879						12,868	12,914	
E:		709.472,3843	709.470,2252			709.466,7394			709.462,7001	709.460,4364	
N:		7.090.116,0156	7.090.115,9425			7.090.115,8246			7.090.115,6879	7.090.115,6113	
Station: 34+0											
Dist. Eixo (m):		-5,709	-3,514			0,000			4,075	6,267	
Cota (m):		12,457	12,413						12,402	12,446	
E:		709.472,7829	709.470,5893			709.467,0776			709.463,0046	709.460,8138	
N:		7.090.106,0233	7.090.105,9491			7.090.105,8303			7.090.105,6925	7.090.105,6184	
Station: 35+10											
Dist. Eixo (m):		-5,706	-3,533			0,000			4,013	6,270	
Cota (m):		12,180	12,137						12,127	12,172	
E:		709.473,7946	709.471,6232			709.468,0921			709.464,0812	709.461,8255	
N:		7.090.076,0404	7.090.075,9669			7.090.075,8475			7.090.075,7117	7.090.075,6354	
Station: 36+0											
Dist. Eixo (m):		-5,710	-3,524			0,000			4,046	6,252	
Cota (m):		12,179	12,135						12,125	12,169	
E:		709.474,1375	709.471,9521			709.468,4303			709.464,3864	709.462,1822	
N:		7.090.066,0463	7.090.065,9723			7.090.065,8532			7.090.065,7163	7.090.065,6418	
Station: 36+10											
Dist. Eixo (m):		-5,732	-3,515			0,000			3,983	6,208	
Cota (m):		12,178	12,133						12,124	12,169	
E:		709.474,4970	709.472,2813			709.468,7684			709.464,7880	709.462,5636	
N:		7.090.056,0527	7.090.055,9778			7.090.055,8589			7.090.055,7242	7.090.055,6489	
Station: 37+0											
Dist. Eixo (m):		-5,730	-3,506			0,000			3,919	6,172	
Cota (m):		12,160	12,116						12,108	12,153	
E:		709.474,8328	709.472,6106			709.469,1066			709.465,1897	709.462,9385	
N:		7.090.046,0584	7.090.045,9832			7.090.045,8646			7.090.045,7321	7.090.045,6559	
Station: 37+10											
Dist. Eixo (m):		-5,724	-3,497			0,000			3,907	6,236	
Cota (m):		12,030	11,986						11,978	12,024	
E:		709.475,1653	709.472,9398			709.469,4448			709.465,5402	709.463,2122	
N:		7.090.036,0639	7.090.035,9886			7.090.035,8703			7.090.035,7382	7.090.035,6594	
Station: 38+0											
Dist. Eixo (m):		-5,756	-3,488			0,000			3,918	6,240	
Cota (m):		11,901	11,856						11,847	11,894	
E:		709.475,5352	709.473,2691			709.469,7829			709.465,8667	709.463,5463	
N:		7.090.026,0707	7.090.025,9940			7.090.025,8761			7.090.025,7435	7.090.025,6650	
Station: 38+10											
Dist. Eixo (m):		-5,722	-3,484			0,000			3,930	6,277	
Cota (m):		11,760	11,715						11,706	11,753	
E:		709.475,8397	709.473,6029			709.470,1211			709.466,1932	709.463,8477	
N:		7.090.016,0753	7.090.015,9996			7.090.015,8818			7.090.015,7489	7.090.015,6695	

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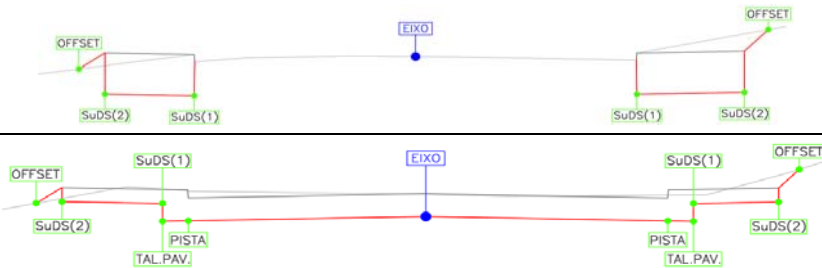
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 39+0											
Dist. Eixo (m):		-5,654	-3,488			0,000			3,942	6,190	
Cota (m):		11,602	11,559						11,550	11,595	
E:		709.476,1104	709.473,9451			709.470,4593			709.466,5197	709.464,2729	
N:		7.090.006,0787	7.090.006,0054			7.090.005,8875			7.090.005,7542	7.090.005,6782	
Station: 39+10											
Dist. Eixo (m):		-5,699	-3,492			0,000			3,955	6,193	
Cota (m):		11,456	11,403						11,394	11,438	
E:		709.476,4933	709.474,2873			709.470,7974			709.466,8449	709.464,6076	
N:		7.089.996,0859	7.089.996,0113			7.089.995,8932			7.089.995,7595	7.089.995,6838	
Station: 40+0											
Dist. Eixo (m):		-5,771	-3,496			0,000			3,974	6,226	
Cota (m):		11,373	11,327						11,318	11,363	
E:		709.476,9034	709.474,6295			709.471,1356			709.467,1635	709.464,9128	
N:		7.089.986,0941	7.089.986,0172			7.089.985,8989			7.089.985,7645	7.089.985,6884	
Station: 40+10											
Dist. Eixo (m):		-5,650	-3,507			0,000			3,994	6,265	
Cota (m):		11,298	11,256						11,246	11,291	
E:		709.477,1206	709.474,9785			709.471,4738			709.467,4821	709.465,2120	
N:		7.089.976,0957	7.089.976,0232			7.089.975,9046			7.089.975,7696	7.089.975,6928	
Station: 40+18											
Dist. Eixo (m):		-5,677	-3,516			0,000			4,004	6,299	
Cota (m):		11,255	11,212						11,202	11,248	
E:		709.477,4254	709.475,2659			709.471,7520			709.467,7506	709.465,4560	
N:		7.089.967,8730	7.089.967,7999			7.089.967,6810			7.089.967,5456	7.089.967,4680	
Station: 41+0											
Dist. Eixo (m):		-5,696	-3,531			0,000			3,977	6,273	
Cota (m):		11,247	11,204						11,195	11,241	
E:		709.477,4926	709.475,3287			709.471,7985			709.467,8231	709.465,5281	
N:		7.089.966,0595	7.089.966,0027			7.089.965,9100			7.089.965,8055	7.089.965,7453	
Station: 41+10											
Dist. Eixo (m):		-5,817	-3,676			0,000			3,823	6,117	
Cota (m):		11,201	11,158						11,155	11,201	
E:		709.477,8761	709.475,7354			709.472,0611			709.468,2397	709.465,9464	
N:		7.089.956,0662	7.089.956,0099			7.089.955,9134			7.089.955,8130	7.089.955,7528	
Station: 43+0											
Dist. Eixo (m):		-6,317	-4,059			0,000			4,011	6,056	
Cota (m):		11,059	11,014						11,015	11,056	
E:		709.479,1894	709.476,9331			709.472,8761			709.468,8676	709.466,8239	
N:		7.089.926,1460	7.089.926,0669			7.089.925,9246			7.089.925,7840	7.089.925,7124	
Station: 43+10											
Dist. Eixo (m):		-6,190	-4,020			0,000			4,033	6,062	
Cota (m):		11,091	11,048						11,048	11,088	
E:		709.479,4129	709.477,2439			709.473,2266			709.469,1959	709.467,1682	
N:		7.089.916,1477	7.089.916,0716			7.089.915,9307			7.089.915,7894	7.089.915,7183	
Station: 44+0											
Dist. Eixo (m):		-6,114	-3,993			0,000			4,065	6,068	
Cota (m):		11,118	11,076						11,074	11,114	
E:		709.479,6877	709.477,5672			709.473,5770			709.469,5145	709.467,5124	
N:		7.089.906,1512	7.089.906,0768			7.089.905,9369			7.089.905,7944	7.089.905,7242	
Station: 44+10											
Dist. Eixo (m):		-6,103	-3,975			0,000			4,096	6,075	
Cota (m):		11,130	11,087						11,085	11,124	
E:		709.480,0268	709.477,9004			709.473,9275			709.469,8341	709.467,8567	
N:		7.089.896,1569	7.089.896,0823			7.089.895,9430			7.089.895,7995	7.089.895,7301	
Station: 45+0											
Dist. Eixo (m):		-6,079	-3,958			0,000			4,127	6,081	
Cota (m):		11,125	11,083						11,079	11,118	
E:		709.480,3532	709.478,2335			709.474,2780			709.470,1540	709.468,2009	
N:		7.089.886,1622	7.089.886,0879			7.089.885,9492			7.089.885,8045	7.089.885,7361	
Station: 45+10											
Dist. Eixo (m):		-6,037	-3,941			0,000			4,157	6,087	
Cota (m):		11,120	11,078						11,074	11,112	
E:		709.480,6615	709.478,5667			709.474,6284			709.470,4739	709.468,5452	
N:		7.089.876,1669	7.089.876,0934			7.089.875,9553			7.089.875,8096	7.089.875,7420	
Station: 46+0											
Dist. Eixo (m):		-5,995	-3,923			0,000			4,188	6,093	
Cota (m):		11,123	11,081						11,076	11,114	
E:		709.480,9698	709.478,8998			709.474,9789			709.470,7938	709.468,8894	
N:		7.089.866,1715	7.089.866,0990			7.089.865,9615			7.089.865,8147	7.089.865,7479	

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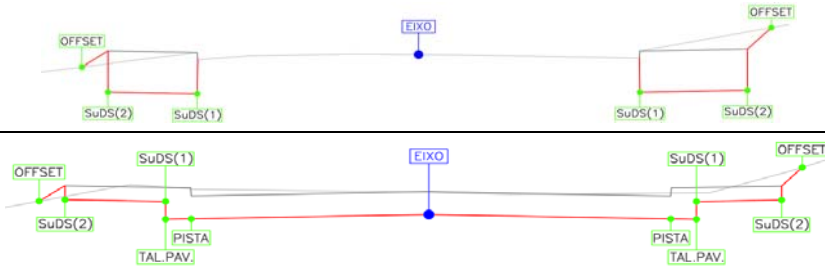
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 46+10											
Dist. Eixo (m):		-5,968	-3,906			0,000			4,188	6,099	
Cota (m):		11,126	11,085			11,867			11,079	11,118	
E:		709.481,2940	709.479,2330			709.475,3294			709.471,1440	709.469,2337	
N:		7.089.856,1768	7.089.856,1045			7.089.855,9676			7.089.855,8208	7.089.855,7538	
Station: 47+0											
Dist. Eixo (m):		-5,946	-3,889			0,000			4,167	6,106	
Cota (m):		11,120	11,079			11,867			11,074	11,112	
E:		709.481,6223	709.479,5661			709.475,6798			709.471,5152	709.469,5780	
N:		7.089.846,1821	7.089.846,1100			7.089.845,9737			7.089.845,8277	7.089.845,7598	
Station: 47+10											
Dist. Eixo (m):		-5,924	-3,871			0,000			4,146	6,112	
Cota (m):		11,112	11,071			11,867			11,066	11,105	
E:		709.481,9506	709.479,8993			709.476,0303			709.471,8864	709.469,9222	
N:		7.089.836,1875	7.089.836,1156			7.089.835,9799			7.089.835,8346	7.089.835,7657	
Station: 48+0											
Dist. Eixo (m):		-5,931	-3,854			0,000			4,126	6,118	
Cota (m):		11,139	11,097			11,867			11,092	11,132	
E:		709.482,3077	709.480,2324			709.476,3808			709.472,2576	709.470,2665	
N:		7.089.826,1939	7.089.826,1211			7.089.825,9860			7.089.825,8414	7.089.825,7716	
Station: 48+10											
Dist. Eixo (m):		-5,925	-3,857			0,000			4,105	6,124	
Cota (m):		11,100	11,059			11,867			11,054	11,095	
E:		709.482,6527	709.480,5861			709.476,7312			709.472,6288	709.470,6107	
N:		7.089.816,1998	7.089.816,1274			7.089.815,9922			7.089.815,8483	7.089.815,7775	
Station: 49+0											
Dist. Eixo (m):		-5,900	-3,874			0,000			4,084	6,074	
Cota (m):		11,114	11,073			11,867			11,069	11,109	
E:		709.482,9779	709.480,9537			709.477,0817			709.473,0000	709.471,0118	
N:		7.089.806,2051	7.089.806,1341			7.089.805,9983			7.089.805,8552	7.089.805,7855	
Station: 49+10											
Dist. Eixo (m):		-5,908	-3,892			0,000			5,624	8,106	
Cota (m):		11,095	11,055			11,867			11,021	11,070	
E:		709.483,3369	709.481,3213			709.477,4322			709.471,8117	709.469,3314	
N:		7.089.796,2115	7.089.796,1408			7.089.796,0045			7.089.795,8074	7.089.795,7204	
Station: 50+0											
Dist. Eixo (m):		-5,985	-3,909			0,000					
Cota (m):		11,085	11,043			11,867					
E:		709.483,7637	709.481,6889			709.477,7826					
N:		7.089.786,2203	7.089.786,1476			7.089.786,0106					
Station: 50+10											
Dist. Eixo (m):		-6,090	-3,926			0,000			4,255	6,142	
Cota (m):		11,080	11,037			11,867			11,030	11,068	
E:		709.484,2190	709.482,0565			709.478,1331			709.473,8807	709.471,9948	
N:		7.089.776,2302	7.089.776,1543			7.089.776,0167			7.089.775,8676	7.089.775,8015	
Station: 51+0											
Dist. Eixo (m):		-6,119	-3,932			0,000			4,245	6,143	
Cota (m):		11,059	11,015			11,867			11,009	11,047	
E:		709.484,5992	709.482,4132			709.478,4836			709.474,2415	709.472,3447	
N:		7.089.766,2374	7.089.766,1607			7.089.766,0229			7.089.765,8741	7.089.765,8076	
Station: 51+10											
Dist. Eixo (m):		-6,149	-3,918			0,000			4,234	5,881	
Cota (m):		11,034	10,990			11,867			10,983	11,016	
E:		709.484,9795	709.482,7499			709.478,8340			709.474,6023	709.472,9563	
N:		7.089.756,2445	7.089.756,1664			7.089.756,0290			7.089.755,8806	7.089.755,8229	
Station: 52+0											
Dist. Eixo (m):		-6,160	-3,904			0,000			4,217	5,864	
Cota (m):		11,013	10,968			11,867			10,962	10,995	
E:		709.485,3404	709.483,0866			709.479,1845			709.474,9704	709.473,3245	
N:		7.089.746,2510	7.089.746,1720			7.089.746,0352			7.089.745,8874	7.089.745,8297	
Station: 52+10											
Dist. Eixo (m):		-6,105	-3,911			0,000			4,113	5,924	
Cota (m):		10,963	10,919			11,867			10,915	10,951	
E:		709.485,6364	709.483,4431			709.479,5350			709.475,4247	709.473,9819	
N:		7.089.736,2553	7.089.736,1784			7.089.736,0413			7.089.735,8972	7.089.735,8337	
Station: 53+0											
Dist. Eixo (m):		-5,932	-3,966			0,000			4,009	5,901	
Cota (m):		10,871	10,831			11,867			10,831	10,868	
E:		709.485,8136	709.483,8486			709.479,8854			709.475,8790	709.473,9881	
N:		7.089.726,2553	7.089.726,1864			7.089.726,0475			7.089.725,9070	7.089.725,8406	

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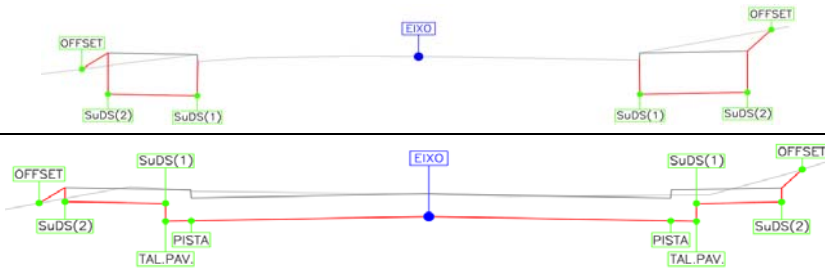
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 54+0											
Dist. Eixo (m):		-12,443	-5,524			0,000			5,514	10,336	
Cota (m):		11,390	11,251						11,252	11,348	
E:		709.493,0219	709.486,1073			709.480,5864			709.475,0757	709.470,2567	
N:		7.089.706,4958	7.089.706,2534			7.089.706,0597			7.089.705,8665	7.089.705,6975	
Station: 54+10											
Dist. Eixo (m):		-6,021	-4,183			0,000			3,935	5,809	
Cota (m):		11,322	11,285						11,290	11,328	
E:		709.486,9545	709.485,1174			709.480,9368			709.477,0039	709.475,1315	
N:		7.089.696,2769	7.089.696,2125			7.089.696,0659			7.089.695,9280	7.089.695,8623	
Station: 55+0											
Dist. Eixo (m):		-5,958	-4,115			0,000			3,941	5,773	
Cota (m):		11,337	11,300						11,304	11,340	
E:		709.487,2418	709.485,3996			709.481,2873			709.477,3487	709.475,5181	
N:		7.089.686,2808	7.089.686,2162			7.089.686,0720			7.089.685,9339	7.089.685,8697	
Station: 55+10											
Dist. Eixo (m):		-5,987	-4,064			0,000			3,955	5,760	
Cota (m):		11,333	11,294						11,296	11,332	
E:		709.487,6216	709.485,6994			709.481,6378			709.477,6853	709.475,8810	
N:		7.089.676,2880	7.089.676,2206			7.089.676,0782			7.089.675,9396	7.089.675,8763	
Station: 56+0											
Dist. Eixo (m):		-6,010	-4,014			0,000			3,975	5,770	
Cota (m):		11,327	11,287						11,288	11,324	
E:		709.487,9946	709.485,9996			709.481,9882			709.478,0152	709.476,2218	
N:		7.089.666,2950	7.089.666,2250			7.089.666,0843			7.089.665,9450	7.089.665,8821	
Station: 56+10											
Dist. Eixo (m):		-5,947	-3,979			0,000			3,996	5,734	
Cota (m):		11,318	11,279						11,278	11,313	
E:		709.488,2816	709.486,3152			709.482,3387			709.478,3451	709.476,6080	
N:		7.089.656,2989	7.089.656,2299			7.089.656,0905			7.089.655,9504	7.089.655,8895	
Station: 57+0											
Dist. Eixo (m):		-6,390	-3,956			0,000			4,144	6,272	
Cota (m):		11,318	11,269						11,265	11,308	
E:		709.489,0756	709.486,6430			709.482,6892			709.478,5478	709.476,4214	
N:		7.089.646,3206	7.089.646,2353			7.089.646,0966			7.089.645,9514	7.089.645,8768	
Station: 58+0											
Dist. Eixo (m):		-6,323	-3,864			0,000			4,212	6,002	
Cota (m):		11,291	11,242						11,235	11,271	
E:		709.489,7091	709.487,2513			709.483,3901			709.479,1809	709.477,3918	
N:		7.089.626,3305	7.089.626,2443			7.089.626,1089			7.089.625,9613	7.089.625,8985	
Station: 58+10											
Dist. Eixo (m):		-5,951	-3,937			0,000			4,145	6,060	
Cota (m):		11,291	11,251						11,247	11,285	
E:		709.489,6877	709.487,6755			709.483,7406			709.479,5981	709.477,6839	
N:		7.089.616,3236	7.089.616,2530			7.089.616,1150			7.089.615,9698	7.089.615,9026	
Station: 59+0											
Dist. Eixo (m):		-5,914	-3,932			0,000			4,132	6,088	
Cota (m):		11,302	11,263						11,259	11,298	
E:		709.490,0011	709.488,0205			709.484,0910			709.479,9618	709.478,0068	
N:		7.089.606,3284	7.089.606,2590			7.089.606,1212			7.089.605,9764	7.089.605,9078	
Station: 59+10											
Dist. Eixo (m):		-5,832	-3,919			0,000			4,118	6,068	
Cota (m):		11,319	11,281						11,277	11,316	
E:		709.490,2697	709.488,3576			709.484,4415			709.480,3256	709.478,3770	
N:		7.089.596,3317	7.089.596,2647			7.089.596,1273			7.089.595,9830	7.089.595,9146	
Station: 60+0											
Dist. Eixo (m):		-5,759	-3,905			0,000			4,076	6,010	
Cota (m):		11,320	11,283						11,280	11,318	
E:		709.490,5471	709.488,6947			709.484,7920			709.480,7180	709.478,7861	
N:		7.089.586,3353	7.089.586,2703			7.089.586,1335			7.089.585,9906	7.089.585,9228	
Station: 60+10											
Dist. Eixo (m):		-5,715	-3,963			0,000			4,031	6,268	
Cota (m):		11,292	11,257						11,256	11,301	
E:		709.490,8538	709.489,1026			709.485,1424			709.481,1139	709.478,8786	
N:		7.089.576,3399	7.089.576,2785			7.089.576,1396			7.089.575,9983	7.089.575,9199	
Station: 60+14											
Dist. Eixo (m):		-6,227	-4,312			0,000			4,009	6,431	
Cota (m):		11,275	11,237						11,243	11,291	
E:		709.491,5282	709.489,6148			709.485,3050			709.481,2975	709.478,8755	
N:		7.089.571,7220	7.089.571,6549			7.089.571,5038			7.089.571,3632	7.089.571,2783	

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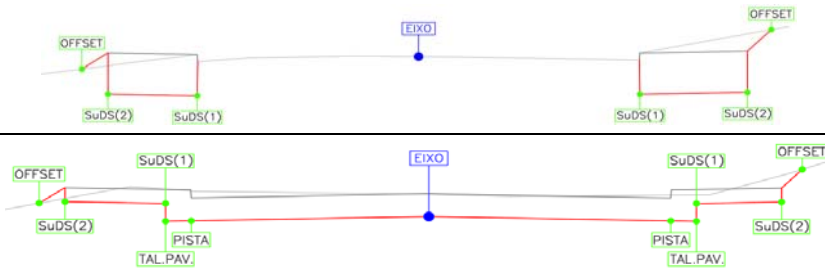
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 61+0											
Dist. Eixo (m):					-12,000	0,000				6,728	10,347
Cota Camada 1 (m)					11,972	11,602	0,610				
Cota Camada 6 (m)					11,932	11,562	0,570				
Cota Camada 7 (m)					11,762	11,392	0,400				
Cota (m):					11,362	10,992			11,158	11,230	
E:					709,497,3527	709,485,3532			709,478,6255	709,475,0068	
N:					7,089,566,2506	7,089,566,1427			7,089,566,0822	7,089,566,0496	
Station: 61+10											
Dist. Eixo (m):					-7,000	0,000	7,000				
Cota Camada 1 (m)					11,443	11,583	11,443				
Cota Camada 6 (m)					11,403	11,543	11,403				
Cota Camada 7 (m)					11,233	11,373	11,233				
Cota (m):					10,833	10,973	10,833				
E:					709,492,4429	709,485,4432	709,478,4435				
N:					7,089,556,2060	7,089,556,1431	7,089,556,0801				
Station: 62+0											
Dist. Eixo (m):		-5,997	-4,690	-4,690	-4,067	0,000	4,003	4,626	4,626	6,003	
Cota Camada 1 (m)					11,483	11,564	11,484				
Cota Camada 6 (m)					11,443	11,524	11,444				
Cota Camada 7 (m)					11,273	11,354	11,274				
Cota (m):		11,211	11,185	10,861	10,873	10,954	10,874	10,862	11,186	11,214	
E:		709,491,5302	709,490,2228	709,490,2228	709,489,6001	709,485,5331	709,481,5301	709,480,9077	709,480,9077	709,479,5301	
N:		7,089,546,1974	7,089,546,1857	7,089,546,1857	7,089,546,1801	7,089,546,1435	7,089,546,1075	7,089,546,1019	7,089,546,1019	7,089,546,0895	
Station: 62+10											
Dist. Eixo (m):		-5,999	-4,678	-4,678	-4,055	0,000	4,001	4,623	4,623	6,001	
Cota Camada 1 (m)					11,464	11,546	11,466				
Cota Camada 6 (m)					11,424	11,506	11,426				
Cota Camada 7 (m)					11,254	11,336	11,256				
Cota (m):		11,193	11,167	10,842	10,854	10,936	10,856	10,843	11,167	11,195	
E:		709,491,7140	709,490,3927	709,490,3927	709,489,7702	709,485,7157	709,481,7158	709,481,0934	709,481,0934	709,479,7161	
N:		7,089,536,2564	7,089,536,2319	7,089,536,2319	7,089,536,2204	7,089,536,1452	7,089,536,0710	7,089,536,0594	7,089,536,0594	7,089,536,0339	
Station: 63+0											
Dist. Eixo (m):		-5,999	-4,663	-4,663	-4,040	0,000	4,001	4,624	4,624	6,001	
Cota Camada 1 (m)					11,446	11,527	11,447				
Cota Camada 6 (m)					11,406	11,487	11,407				
Cota Camada 7 (m)					11,236	11,317	11,237				
Cota (m):		11,175	11,148	10,824	10,836	10,917	10,837	10,824	11,149	11,177	
E:		709,491,8990	709,490,5634	709,490,5634	709,489,9408	709,485,9012	709,481,9007	709,481,2783	709,481,2783	709,479,9010	
N:		7,089,526,2582	7,089,526,2334	7,089,526,2334	7,089,526,2218	7,089,526,1469	7,089,526,0727	7,089,526,0611	7,089,526,0611	7,089,526,0356	
Station: 63+10											
Dist. Eixo (m):		-5,998	-4,648	-4,648	-4,026	0,000	4,002	4,624	4,624	6,002	
Cota Camada 1 (m)					11,427	11,508	11,428				
Cota Camada 6 (m)					11,387	11,468	11,388				
Cota Camada 7 (m)					11,217	11,298	11,218				
Cota (m):		11,157	11,130	10,805	10,817	10,898	10,818	10,805	11,130	11,158	
E:		709,492,0839	709,490,7341	709,490,7341	709,490,1115	709,486,0867	709,482,0856	709,481,4632	709,481,4632	709,480,0859	
N:		7,089,516,2599	7,089,516,2348	7,089,516,2348	7,089,516,2233	7,089,516,1486	7,089,516,0744	7,089,516,0628	7,089,516,0628	7,089,516,0373	
Station: 64+0											
Dist. Eixo (m):		-5,998	-4,633	-4,633	-4,011	0,000	4,002	4,625	4,625	6,002	
Cota Camada 1 (m)					11,409	11,489	11,409				
Cota Camada 6 (m)					11,369	11,449	11,369				
Cota Camada 7 (m)					11,199	11,279	11,199				
Cota (m):		11,138	11,111	10,787	10,799	10,879	10,799	10,787	11,111	11,139	
E:		709,492,2688	709,490,9047	709,490,9047	709,490,2822	709,486,2722	709,482,2705	709,481,6482	709,481,6482	709,480,2708	
N:		7,089,506,2616	7,089,506,2363	7,089,506,2363	7,089,506,2247	7,089,506,1503	7,089,506,0761	7,089,506,0645	7,089,506,0645	7,089,506,0390	
Station: 64+9											
Dist. Eixo (m):		-6,002	-4,618	-4,618	-3,997	0,000	4,003	4,625	4,625	6,003	
Cota Camada 1 (m)					11,391	11,471	11,391				
Cota Camada 6 (m)					11,351	11,431	11,351				
Cota Camada 7 (m)					11,181	11,261	11,181				
Cota (m):		11,120	11,093	10,769	10,781	10,861	10,781	10,768	11,093	11,121	
E:		709,492,4705	709,491,0825	709,491,0825	709,490,4600	709,486,4511	709,482,4489	709,481,8266	709,481,8266	709,480,4493	
N:		7,089,496,6143	7,089,496,5886	7,089,496,5886	7,089,496,5770	7,089,496,5026	7,089,496,4284	7,089,496,4168	7,089,496,4168	7,089,496,3913	
Station: 64+10											
Dist. Eixo (m):		-6,001	-4,619	-4,619	-3,997	0,000	4,059	4,681	4,681	6,086	
Cota Camada 1 (m)					11,390	11,470	11,389				
Cota Camada 6 (m)					11,350	11,430	11,349				
Cota Camada 7 (m)					11,180	11,260	11,179				
Cota (m):		11,121	11,093	10,768	10,780	10,860	10,779	10,767	11,091	11,119	
E:		709,492,4580	709,491,0827	709,491,0827	709,490,4630	709,486,4849	709,482,4448	709,481,8252	709,481,8252	709,480,4268	
N:		7,089,496,7317	7,089,496,5986	7,089,496,5986	7,089,496,5386	7,089,496,1536	7,089,495,7626	7,089,495,7026	7,089,495,7026	7,089,495,5673	

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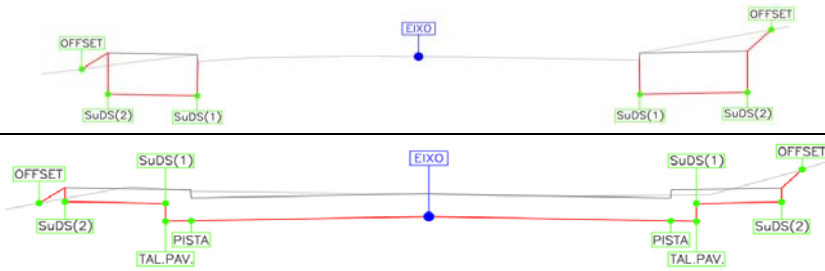
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 65+0											
Dist. Eixo (m):					-7,000	0,000	7,000				
Cota Camada 1 (m)					11,311	11,451	11,311				
Cota Camada 6 (m)					11,271	11,411	11,271				
Cota Camada 7 (m)					11,101	11,241	11,101				
Cota (m):					10,701	10,841	10,701				
E:					709.494,4157	709.487,4483	709.480,4809				
N:					7.089.486,8745	7.089.486,2001	7.089.485,5258				
Station: 65+10											
Dist. Eixo (m):		-7,706	-5,808	-5,808	-5,185	0,000	4,524	5,147	5,147	8,168	
Cota Camada 1 (m)					11,329	11,433	11,342				
Cota Camada 6 (m)					11,289	11,393	11,302				
Cota Camada 7 (m)					11,119	11,223	11,132				
Cota (m):		11,069	11,031	10,707	10,719	10,823	10,732	10,720	11,045	11,105	
E:		709.496,0823	709.494,1922	709.494,1922	709.493,5725	709.488,4117	709.483,9085	709.483,2890	709.483,2890	709.480,2821	
N:		7.089.476,9891	7.089.476,8061	7.089.476,8061	7.089.476,7461	7.089.476,2466	7.089.475,8108	7.089.475,7508	7.089.475,7508	7.089.475,4598	
Station: 65+13											
Dist. Eixo (m):		-6,014	-4,632	-4,632	-4,010	0,000	4,000	4,620	4,620	5,999	
Cota Camada 1 (m)					11,345	11,426	11,345				
Cota Camada 6 (m)					11,305	11,386	11,305				
Cota Camada 7 (m)					11,135	11,216	11,135				
Cota (m):		11,075	11,048	10,723	10,735	10,816	10,735	10,723	11,047	11,075	
E:		709.494,7592	709.493,3835	709.493,3835	709.492,7637	709.488,7729	709.484,7820	709.484,1624	709.484,1624	709.482,7865	
N:		7.089.473,0945	7.089.472,9613	7.089.472,9613	7.089.472,9014	7.089.472,5151	7.089.472,1288	7.089.472,0688	7.089.472,0688	7.089.471,9357	
Station: 66+0											
Dist. Eixo (m):		-6,010	-4,633	-4,633	-4,010	0,000	3,990	4,612	4,612	5,990	
Cota Camada 1 (m)					11,334	11,414	11,334				
Cota Camada 6 (m)					11,294	11,374	11,294				
Cota Camada 7 (m)					11,124	11,204	11,124				
Cota (m):		11,063	11,036	10,712	10,724	10,804	10,724	10,712	11,036	11,064	
E:		709.494,9429	709.493,5660	709.493,5660	709.492,9435	709.488,9346	709.484,9462	709.484,3240	709.484,3240	709.482,9469	
N:		7.089.466,4216	7.089.466,3860	7.089.466,3860	7.089.466,3699	7.089.466,2662	7.089.466,1630	7.089.466,1469	7.089.466,1469	7.089.466,1112	
Station: 66+10											
Dist. Eixo (m):		-6,027	-4,649	-4,649	-4,027	0,000	3,973	4,596	4,596	5,973	
Cota Camada 1 (m)					11,315	11,395	11,316				
Cota Camada 6 (m)					11,275	11,355	11,276				
Cota Camada 7 (m)					11,105	11,185	11,106				
Cota (m):		11,044	11,017	10,693	10,705	10,785	10,706	10,693	11,017	11,045	
E:		709.495,2180	709.493,8412	709.493,8412	709.493,2187	709.489,1932	709.485,2214	709.484,5991	709.484,5991	709.483,2223	
N:		7.089.456,4254	7.089.456,3898	7.089.456,3898	7.089.456,3737	7.089.456,2695	7.089.456,1667	7.089.456,1506	7.089.456,1506	7.089.456,1150	
Station: 67+0											
Dist. Eixo (m):		-6,043	-4,666	-4,666	-4,043	0,000	3,957	4,579	4,579	5,956	
Cota Camada 1 (m)					11,295	11,376	11,297				
Cota Camada 6 (m)					11,255	11,336	11,257				
Cota Camada 7 (m)					11,085	11,166	11,087				
Cota (m):		11,025	10,998	10,673	10,685	10,766	10,687	10,675	10,999	11,027	
E:		709.495,4932	709.494,1163	709.494,1163	709.493,4939	709.489,4519	709.485,4966	709.484,8743	709.484,8743	709.483,4976	
N:		7.089.446,4292	7.089.446,3936	7.089.446,3936	7.089.446,3775	7.089.446,2729	7.089.446,1705	7.089.446,1544	7.089.446,1544	7.089.446,1188	
Station: 67+10											
Dist. Eixo (m):		-6,060	-4,682	-4,682	-4,060	0,000	3,940	4,563	4,563	5,940	
Cota Camada 1 (m)					11,276	11,357	11,279				
Cota Camada 6 (m)					11,236	11,317	11,239				
Cota Camada 7 (m)					11,066	11,147	11,069				
Cota (m):		11,006	10,978	10,654	10,666	10,747	10,669	10,656	10,980	11,008	
E:		709.495,7684	709.494,3915	709.494,3915	709.493,7691	709.489,7106	709.485,7717	709.485,1495	709.485,1495	709.483,7730	
N:		7.089.436,4330	7.089.436,3973	7.089.436,3973	7.089.436,3812	7.089.436,2762	7.089.436,1743	7.089.436,1582	7.089.436,1582	7.089.436,1226	
Station: 68+0											
Dist. Eixo (m):		-6,076	-4,699	-4,699	-4,076	0,000	3,924	4,546	4,546	5,923	
Cota Camada 1 (m)					11,257	11,339	11,260				
Cota Camada 6 (m)					11,217	11,299	11,220				
Cota Camada 7 (m)					11,047	11,129	11,050				
Cota (m):		10,987	10,959	10,635	10,647	10,729	10,650	10,638	10,962	10,990	
E:		709.496,0436	709.494,6667	709.494,6667	709.494,0442	709.489,9693	709.486,0469	709.485,4247	709.485,4247	709.484,0484	
N:		7.089.426,4367	7.089.426,4011	7.089.426,4011	7.089.426,3850	7.089.426,2796	7.089.426,1781	7.089.426,1620	7.089.426,1620	7.089.426,1263	
Station: 68+5											
Dist. Eixo (m):		-6,271	-4,822	-4,822	-4,199	0,000	4,019	4,642	4,642	6,083	
Cota Camada 1 (m)					11,243	11,327	11,247				
Cota Camada 6 (m)					11,203	11,287	11,207				
Cota Camada 7 (m)					11,033	11,117	11,037				
Cota (m):		10,974	10,946	10,621	10,633	10,717	10,637	10,625	10,949	10,978	
E:		709.496,3925	709.494,9438	709.494,9438	709.494,3214	709.490,1234	709.486,1053	709.485,4831	709.485,4831	709.484,0422	
N:		7.089.420,4850	7.089.420,4476	7.089.420,4476	7.089.420,4315	7.089.420,3228	7.089.420,2188	7.089.420,2027	7.089.420,2027	7.089.420,1655	

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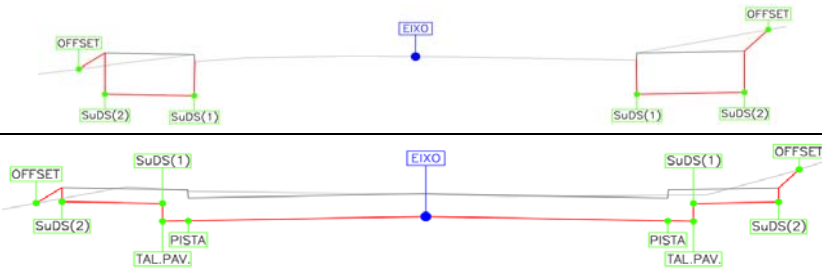
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 68+10											
Dist. Eixo (m):		-8,953	-6,726	-6,726	-6,103	0,000	6,018	6,640	6,640	8,634	
Cota Camada 1 (m)					11,198	11,320	11,199				
Cota Camada 6 (m)					11,158	11,280	11,159				
Cota Camada 7 (m)					10,988	11,110	10,989				
Cota (m):		10,945	10,900	10,576	10,588	10,710	10,589	10,577	10,902	10,942	
E:		709.499,2071	709.496,9815	709.496,9815	709.496,3592	709.490,2591	709.484,2448	709.483,6227	709.483,6227	709.481,6300	
N:		7.089.416,5845	7.089.416,5097	7.089.416,5097	7.089.416,4888	7.089.416,2838	7.089.416,0817	7.089.416,0608	7.089.416,0608	7.089.415,9939	
Station: 69+0											
Dist. Eixo (m):					-7,000	0,000	7,000				
Cota Camada 1 (m)					11,161	11,301	11,161				
Cota Camada 6 (m)					11,121	11,261	11,121				
Cota Camada 7 (m)					10,951	11,091	10,951				
Cota (m):					10,551	10,691	10,551				
E:					709.497,5910	709.490,5950	709.483,5989				
N:					7.089.406,5245	7.089.406,2895	7.089.406,0544				
Station: 69+10											
Dist. Eixo (m):		-6,313	-4,635	-4,635	-4,012	0,000	4,040	4,663	4,663	6,054	
Cota Camada 1 (m)					11,203	11,283	11,202				
Cota Camada 6 (m)					11,163	11,243	11,162				
Cota Camada 7 (m)					10,993	11,073	10,992				
Cota (m):		10,938	10,905	10,581	10,593	10,673	10,592	10,580	10,904	10,932	
E:		709.497,2402	709.495,5627	709.495,5627	709.494,9404	709.490,9308	709.486,8928	709.486,2707	709.486,2707	709.484,8805	
N:		7.089.396,5071	7.089.396,4507	7.089.396,4507	7.089.396,4298	7.089.396,2951	7.089.396,1594	7.089.396,1385	7.089.396,1385	7.089.396,0918	
Station: 70+0											
Dist. Eixo (m):		-6,009	-4,606	-4,606	-3,984	0,000	4,016	4,639	4,639	6,016	
Cota Camada 1 (m)					11,198	11,278	11,198				
Cota Camada 6 (m)					11,158	11,238	11,158				
Cota Camada 7 (m)					10,988	11,068	10,988				
Cota (m):		10,928	10,900	10,576	10,588	10,668	10,588	10,575	10,899	10,927	
E:		709.497,2903	709.495,8888	709.495,8888	709.495,2666	709.491,2853	709.487,2715	709.486,6494	709.486,6494	709.485,2727	
N:		7.089.386,5148	7.089.386,4650	7.089.386,4650	7.089.386,4429	7.089.386,3014	7.089.386,1588	7.089.386,1367	7.089.386,1367	7.089.386,0878	
Station: 70+10											
Dist. Eixo (m):		-6,026	-4,610	-4,610	-3,987	0,000	4,013	4,636	4,636	6,013	
Cota Camada 1 (m)					11,211	11,291	11,210				
Cota Camada 6 (m)					11,171	11,251	11,170				
Cota Camada 7 (m)					11,001	11,081	11,000				
Cota (m):		10,941	10,913	10,589	10,601	10,681	10,600	10,588	10,912	10,940	
E:		709.497,6627	709.496,2474	709.496,2474	709.495,6251	709.491,6404	709.487,6298	709.487,0077	709.487,0077	709.485,6311	
N:		7.089.376,5217	7.089.376,4714	7.089.376,4714	7.089.376,4493	7.089.376,3077	7.089.376,1652	7.089.376,1431	7.089.376,1431	7.089.376,0942	
Station: 71+0											
Dist. Eixo (m):		-6,044	-4,613	-4,613	-3,991	0,000	4,010	4,632	4,632	6,010	
Cota Camada 1 (m)					11,229	11,308	11,228				
Cota Camada 6 (m)					11,189	11,268	11,188				
Cota Camada 7 (m)					11,019	11,098	11,018				
Cota (m):		10,960	10,931	10,607	10,619	10,698	10,618	10,606	10,930	10,958	
E:		709.498,0352	709.496,6059	709.496,6059	709.495,9836	709.491,9955	709.487,9881	709.487,3661	709.487,3661	709.485,9894	
N:		7.089.366,5286	7.089.366,4778	7.089.366,4778	7.089.366,4557	7.089.366,3140	7.089.366,1716	7.089.366,1495	7.089.366,1495	7.089.366,1006	
Station: 71+10											
Dist. Eixo (m):		-6,061	-4,617	-4,617	-3,994	0,000	4,007	4,629	4,629	6,007	
Cota Camada 1 (m)					11,246	11,326	11,246				
Cota Camada 6 (m)					11,206	11,286	11,206				
Cota Camada 7 (m)					11,036	11,116	11,036				
Cota (m):		10,978	10,949	10,624	10,636	10,716	10,636	10,624	10,948	10,976	
E:		709.498,4077	709.496,9644	709.496,9644	709.496,3421	709.492,3506	709.488,3465	709.487,7244	709.487,7244	709.486,3477	
N:		7.089.356,5355	7.089.356,4842	7.089.356,4842	7.089.356,4621	7.089.356,3203	7.089.356,1781	7.089.356,1559	7.089.356,1559	7.089.356,1070	
Station: 72+0											
Dist. Eixo (m):		-6,078	-4,620	-4,620	-3,998	0,000	4,003	4,626	4,626	6,003	
Cota Camada 1 (m)					11,264	11,344	11,264				
Cota Camada 6 (m)					11,224	11,304	11,224				
Cota Camada 7 (m)					11,054	11,134	11,054				
Cota (m):		10,996	10,966	10,642	10,654	10,734	10,654	10,642	10,966	10,994	
E:		709.498,7802	709.497,3229	709.497,3229	709.496,7007	709.492,7056	709.488,7048	709.488,0828	709.488,0828	709.486,7061	
N:		7.089.346,5425	7.089.346,4907	7.089.346,4907	7.089.346,4686	7.089.346,3266	7.089.346,1845	7.089.346,1624	7.089.346,1624	7.089.346,1135	
Station: 72+10											
Dist. Eixo (m):		-6,096	-5,623	-5,623	-5,000	0,000	7,000				
Cota Camada 1 (m)					11,262	11,362	11,222				
Cota Camada 6 (m)					11,222	11,322	11,182				
Cota Camada 7 (m)					11,052	11,152	11,012				
Cota (m):		10,974	10,964	10,640	10,652	10,752	10,612				
E:		709.499,1527	709.498,6798	709.498,6798	709.498,0576	709.493,0607	709.486,0651				
N:		7.089.336,5494	7.089.336,5326	7.089.336,5326	7.089.336,5105	7.089.336,3329	7.089.336,0844				

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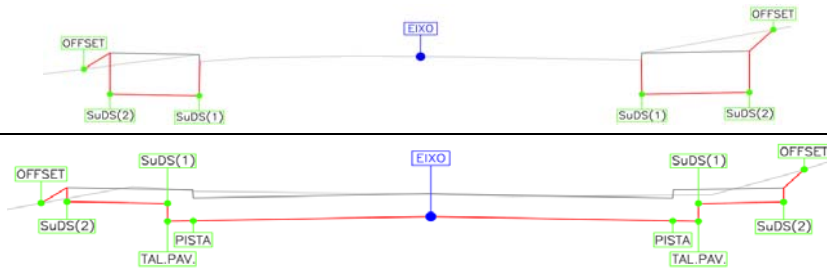
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 73+0											
Dist. Eixo (m):		-6,119	-4,627	-4,627	-4,004	0,000	6,371	6,994	6,994	10,091	
Cota Camada 1 (m)					11,300	11,380	11,252				
Cota Camada 6 (m)					11,260	11,340	11,212				
Cota Camada 7 (m)					11,090	11,170	11,042				
Cota (m):		11,032	11,002	10,678	10,690	10,770	10,642	10,630	10,955	11,017	
E:		709.499,5305	709.498,0400	709.498,0400	709.497,4177	709.493,4158	709.487,0484	709.486,4264	709.486,4264	709.483,3311	
N:		7.089.326,5565	7.089.326,5035	7.089.326,5035	7.089.326,4814	7.089.326,3392	7.089.326,1130	7.089.326,0909	7.089.326,0909	7.089.325,9809	
Station: 73+5											
Dist. Eixo (m):		-6,132	-4,629	-4,629	-4,006	0,000	3,995	4,617	4,617	5,995	
Cota Camada 1 (m)					11,310	11,390	11,310				
Cota Camada 6 (m)					11,270	11,350	11,270				
Cota Camada 7 (m)					11,100	11,180	11,100				
Cota (m):		11,042	11,012	10,688	10,700	10,780	10,700	10,688	11,012	11,040	
E:		709.499,7459	709.498,2438	709.498,2438	709.497,6215	709.493,6177	709.489,6252	709.489,0032	709.489,0032	709.487,6265	
N:		7.089.320,8751	7.089.320,8217	7.089.320,8217	7.089.320,7996	7.089.320,6573	7.089.320,5155	7.089.320,4934	7.089.320,4934	7.089.320,4445	
Station: 73+10											
Dist. Eixo (m):		-6,126	-4,629	-4,629	-4,006	0,000	3,995	4,618	4,618	5,995	
Cota Camada 1 (m)					11,317	11,398	11,318				
Cota Camada 6 (m)					11,277	11,358	11,278				
Cota Camada 7 (m)					11,107	11,188	11,108				
Cota (m):		11,050	11,020	10,695	10,707	10,788	10,708	10,695	11,020	11,048	
E:		709.499,8950	709.498,3984	709.498,3984	709.497,7762	709.493,7726	709.489,7799	709.489,1579	709.489,1579	709.487,7812	
N:		7.089.316,5655	7.089.316,5118	7.089.316,5118	7.089.316,4894	7.089.316,3456	7.089.316,2022	7.089.316,1798	7.089.316,1798	7.089.316,1304	
Station: 74+0											
Dist. Eixo (m):		-6,113	-4,628	-4,628	-4,006	0,000	3,996	4,618	4,618	5,996	
Cota Camada 1 (m)					11,335	11,415	11,336				
Cota Camada 6 (m)					11,295	11,375	11,296				
Cota Camada 7 (m)					11,125	11,205	11,126				
Cota (m):		11,067	11,038	10,713	10,725	10,805	10,726	10,713	11,037	11,065	
E:		709.500,2409	709.498,7569	709.498,7569	709.498,1347	709.494,1316	709.490,1382	709.489,5162	709.489,5162	709.488,1395	
N:		7.089.306,5715	7.089.306,5182	7.089.306,5182	7.089.306,4959	7.089.306,3520	7.089.306,2086	7.089.306,1862	7.089.306,1862	7.089.306,1368	
Station: 74+10											
Dist. Eixo (m):		-6,100	-4,628	-4,628	-4,005	0,000	3,997	4,619	4,619	5,997	
Cota Camada 1 (m)					11,353	11,433	11,353				
Cota Camada 6 (m)					11,313	11,393	11,313				
Cota Camada 7 (m)					11,143	11,223	11,143				
Cota (m):		11,085	11,055	10,731	10,743	10,823	10,743	10,731	11,055	11,083	
E:		709.500,5868	709.499,1154	709.499,1154	709.498,4932	709.494,4906	709.490,4966	709.489,8745	709.489,8745	709.488,4979	
N:		7.089.296,5775	7.089.296,5246	7.089.296,5246	7.089.296,5023	7.089.296,3585	7.089.296,2150	7.089.296,1927	7.089.296,1927	7.089.296,1432	
Station: 75+0											
Dist. Eixo (m):		-6,087	-4,627	-4,627	-4,005	0,000	3,997	4,620	4,620	5,997	
Cota Camada 1 (m)					11,329	11,409	11,329				
Cota Camada 6 (m)					11,289	11,369	11,289				
Cota Camada 7 (m)					11,119	11,199	11,119				
Cota (m):		11,060	11,031	10,707	10,719	10,799	10,719	10,707	11,031	11,059	
E:		709.500,9327	709.499,4740	709.499,4740	709.498,8517	709.494,8496	709.490,8549	709.490,2329	709.490,2329	709.488,8562	
N:		7.089.286,5835	7.089.286,5311	7.089.286,5311	7.089.286,5087	7.089.286,3649	7.089.286,2214	7.089.286,1991	7.089.286,1991	7.089.286,1496	
Station: 75+10											
Dist. Eixo (m):		-6,074	-4,627	-4,627	-4,004	0,000	3,998	4,620	4,620	5,998	
Cota Camada 1 (m)					11,221	11,301	11,221				
Cota Camada 6 (m)					11,181	11,261	11,181				
Cota Camada 7 (m)					11,011	11,091	11,011				
Cota (m):		10,952	10,923	10,599	10,611	10,691	10,611	10,598	10,923	10,951	
E:		709.501,2786	709.499,8325	709.499,8325	709.499,2102	709.495,2086	709.491,2133	709.490,5912	709.490,5912	709.489,2146	
N:		7.089.276,5894	7.089.276,5375	7.089.276,5375	7.089.276,5151	7.089.276,3714	7.089.276,2279	7.089.276,2055	7.089.276,2055	7.089.276,1561	
Station: 76+0											
Dist. Eixo (m):		-6,061	-4,626	-4,626	-4,004	0,000	3,999	4,621	4,621	5,999	
Cota Camada 1 (m)					11,070	11,150	11,070				
Cota Camada 6 (m)					11,030	11,110	11,030				
Cota Camada 7 (m)					10,860	10,940	10,860				
Cota (m):		10,801	10,773	10,448	10,460	10,540	10,460	10,448	10,772	10,800	
E:		709.501,6244	709.500,1910	709.500,1910	709.499,5688	709.495,5676	709.491,5716	709.490,9496	709.490,9496	709.489,5729	
N:		7.089.266,5954	7.089.266,5439	7.089.266,5439	7.089.266,5216	7.089.266,3778	7.089.266,2343	7.089.266,2119	7.089.266,2119	7.089.266,1625	
Station: 76+10											
Dist. Eixo (m):		-6,048	-4,626	-4,626	-4,003	0,000	3,999	4,622	4,622	5,999	
Cota Camada 1 (m)					10,975	11,055	10,975				
Cota Camada 6 (m)					10,935	11,015	10,935				
Cota Camada 7 (m)					10,765	10,845	10,765				
Cota (m):		10,706	10,678	10,353	10,365	10,445	10,365	10,353	10,677	10,705	
E:		709.501,9703	709.500,5495	709.500,5495	709.499,9273	709.495,9266	709.491,9299	709.491,3079	709.491,3079	709.489,9312	
N:		7.089.256,6014	7.089.256,5504	7.089.256,5504	7.089.256,5280	7.089.256,3843	7.089.256,2407	7.089.256,2184	7.089.256,2184	7.089.256,1689	

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DRENAGEM SUSTENTÁVEL - VILA NOVA
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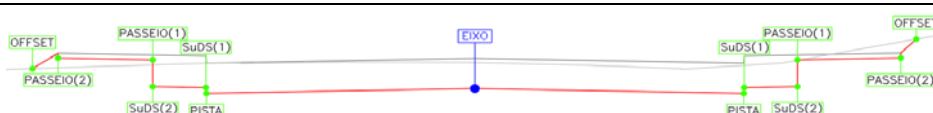
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 77+0											
Dist. Eixo (m):		-6,035	-4,625	-4,625	-4,003	0,000	4,000	4,622	4,622	6,000	
Cota Camada 1 (m)					10,991	11,071	10,991				
Cota Camada 6 (m)					10,951	11,031	10,951				
Cota Camada 7 (m)					10,781	10,861	10,781				
Cota (m):		10,721	10,693	10,369	10,381	10,461	10,381	10,368	10,693	10,721	
E:		709.502,3162	709.500,9080	709.500,9080	709.500,2858	709.496,2856	709.492,2883	709.491,6662	709.491,6662	709.490,2896	
N:		7.089.246,6074	7.089.246,5568	7.089.246,5568	7.089.246,5344	7.089.246,3907	7.089.246,2471	7.089.246,2248	7.089.246,2248	7.089.246,1753	
Station: 77+2											
Dist. Eixo (m):		-6,031	-4,625	-4,625	-4,003	0,000	4,293	4,915	4,915	6,396	
Cota Camada 1 (m)					11,010	11,090	11,004				
Cota Camada 6 (m)					10,970	11,050	10,964				
Cota Camada 7 (m)					10,800	10,880	10,794				
Cota (m):		10,740	10,712	10,388	10,400	10,480	10,394	10,381	10,706	10,736	
E:		709.502,4071	709.501,0023	709.501,0023	709.500,3800	709.496,3800	709.492,0898	709.491,4677	709.491,4675	709.489,9875	
N:		7.089.243,9808	7.089.243,9304	7.089.243,9304	7.089.243,9080	7.089.243,7643	7.089.243,6102	7.089.243,5878	7.089.243,5878	7.089.243,5347	
Station: 77+10											
Dist. Eixo (m):		-6,639	-6,120	-5,623	-5,000	0,000	6,313				
Cota Camada 1 (m)					11,042	11,142	11,016				
Cota Camada 6 (m)					11,002	11,102	10,976				
Cota Camada 7 (m)					10,832	10,932	10,806				
Cota (m):		10,868	11,214	10,744	10,420	10,532	10,406				
E:		709.503,1840	709.502,6651	709.502,1680	709.501,5455	709.496,5468	709.490,2355				
N:		7.089.236,5446	7.089.236,5328	7.089.236,5216	7.089.236,5216	7.089.236,3943	7.089.236,2514				
Station: 78+0											
Dist. Eixo (m):		-11,240	-6,239	-4,855	-4,855	0,000	5,194	5,817	5,817	7,839	12,310
Cota Camada 1 (m)					11,128	11,213	11,109				
Cota Camada 6 (m)					11,088	11,173	11,069				
Cota Camada 7 (m)					10,918	11,003	10,899				
Cota (m):		8,350	10,858	10,830	10,506	10,603	10,499	10,486	10,812	10,852	8,331
E:		709.508,0102	709.503,0108	709.501,6273	709.501,6273	709.496,7731	709.491,5800	709.490,9577	709.490,9577	709.488,9359	709.484,4662
N:		7.089.226,6513	7.089.226,5381	7.089.226,5068	7.089.226,5068	7.089.226,3969	7.089.226,2793	7.089.226,2652	7.089.226,2652	7.089.226,2194	7.089.226,1183
Station: 78+10											
Dist. Eixo (m):		-9,182	-8,441	-6,717	-6,717	0,000	5,222	5,845	5,845	6,512	7,286
Cota Camada 1 (m)					11,211	11,284	11,240				
Cota Camada 6 (m)					11,171	11,244	11,200				
Cota Camada 7 (m)					11,001	11,074	11,030				
Cota (m):		10,913	11,407	10,913	10,589	10,674	10,630	10,618	10,943	10,956	10,900
E:		709.506,1795	709.505,4385	709.503,7149	709.503,7149	709.496,9994	709.491,7785	709.491,1562	709.491,1562	709.490,4894	709.489,7156
N:		7.089.216,6073	7.089.216,5905	7.089.216,5515	7.089.216,5515	7.089.216,3994	7.089.216,2812	7.089.216,2671	7.089.216,2671	7.089.216,2521	7.089.216,2345

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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO(2)	PASSEIO(1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO(1)	PASSEIO(2)	OFFSET
Station: 0+0													
Dist. Eixo (m):		-12,909	-12,667	-12,667	-11,677	-11,667	0,000	13,019	13,029	14,019			
Cota Camada 1 (m)						10,115	10,202	9,988					
Cota Camada 3 (m)						10,036	10,122	9,908					
Cota Camada 6 (m)						9,995	10,082	9,868					
Cota Camada 7 (m)						9,875	9,962	9,748					
Cota (m):		10,520	10,415	9,865	9,845	9,725	9,812	9,598	9,718	9,738			
E:		709,679,5499	709,679,5562	709,679,5562	709,679,5818	709,679,5820	709,679,8839	709,680,2207	709,680,2210	709,680,2466			
N:		7,089,426,6846	7,089,426,4421	7,089,426,4421	7,089,425,4523	7,089,425,4423	7,089,413,7795	7,089,400,7643	7,089,400,7543	7,089,399,7647			
Station: 0+10													
Dist. Eixo (m):		-7,970	-5,949	-5,949	-4,959	-4,949	0,000	5,051	5,061	6,051	6,051	7,105	
Cota Camada 1 (m)						10,012	10,111	10,010					
Cota Camada 3 (m)						9,932	10,031	9,930					
Cota Camada 6 (m)						9,892	9,991	9,890					
Cota Camada 7 (m)						9,772	9,871	9,770					
Cota (m):		10,452	10,312	9,762	9,742	9,622	9,721	9,620	9,740	9,760	10,310	10,331	
E:		709,689,6743	709,689,7266	709,689,7266	709,689,7522	709,689,7525	709,689,8805	709,690,0112	709,690,0115	709,690,0371	709,690,0371	709,690,0643	
N:		7,089,422,0053	7,089,419,9856	7,089,419,9856	7,089,418,9957	7,089,418,9857	7,089,414,0382	7,089,408,9890	7,089,408,9791	7,089,407,9894	7,089,407,9894	7,089,406,9356	
Station: 1+0													
Dist. Eixo (m):		-8,008	-5,956	-5,956	-4,966	-4,956	0,000	5,044	5,054	6,044	6,044	7,063	
Cota Camada 1 (m)						9,953	10,052	9,951					
Cota Camada 3 (m)						9,873	9,972	9,871					
Cota Camada 6 (m)						9,833	9,932	9,831					
Cota Camada 7 (m)						9,713	9,812	9,711					
Cota (m):		10,394	10,253	9,703	9,683	9,563	9,662	9,561	9,681	9,701	10,252	10,272	
E:		709,699,6700	709,699,7231	709,699,7231	709,699,7487	709,699,7490	709,699,8772	709,700,0077	709,700,0079	709,700,0336	709,700,0336	709,700,0599	
N:		7,089,422,3019	7,089,420,2510	7,089,420,2510	7,089,419,2611	7,089,419,2511	7,089,414,2969	7,089,409,2545	7,089,409,2445	7,089,408,2548	7,089,408,2548	7,089,407,2368	
Station: 1+10													
Dist. Eixo (m):		-8,092	-5,963	-5,963	-4,973	-4,963	0,000	5,037	5,047	6,037	6,037	7,046	
Cota Camada 1 (m)						9,959	10,058	9,957					
Cota Camada 3 (m)						9,879	9,978	9,877					
Cota Camada 6 (m)						9,839	9,938	9,837					
Cota Camada 7 (m)						9,719	9,818	9,717					
Cota (m):		10,301	10,258	9,709	9,689	9,569	9,668	9,567	9,687	9,707	10,257	10,277	
E:		709,709,6645	709,709,7196	709,709,7196	709,709,7452	709,709,7454	709,709,8738	709,710,0042	709,710,0044	709,710,0300	709,710,0300	709,710,0561	
N:		7,089,422,6449	7,089,420,5164	7,089,420,5164	7,089,419,5265	7,089,419,5165	7,089,414,5556	7,089,409,5199	7,089,409,5099	7,089,408,5202	7,089,408,5202	7,089,407,5120	
Station: 2+0													
Dist. Eixo (m):		-8,155	-5,969	-5,969	-4,979	-4,969	0,000	5,031	5,041	6,031	6,031	7,061	
Cota Camada 1 (m)						9,996	10,096	9,995					
Cota Camada 3 (m)						9,916	10,016	9,915					
Cota Camada 6 (m)						9,876	9,976	9,875					
Cota Camada 7 (m)						9,756	9,856	9,755					
Cota (m):		10,340	10,296	9,746	9,726	9,606	9,706	9,605	9,725	9,745	10,295	10,314	
E:		709,719,6595	709,719,7160	709,719,7160	709,719,7417	709,719,7419	709,719,8705	709,720,0006	709,720,0009	709,720,0265	709,720,0265	709,720,0511	
N:		7,089,422,9663	7,089,420,7818	7,089,420,7818	7,089,419,7919	7,089,419,7819	7,089,414,8144	7,089,409,7853	7,089,409,7753	7,089,408,7856	7,089,408,7856	7,089,407,8359	
Station: 2+10													
Dist. Eixo (m):		-7,942	-5,976	-5,976	-4,986	-4,976	0,000	5,024	5,034	6,024	6,024	7,303	
Cota Camada 1 (m)						10,034	10,133	10,033					
Cota Camada 3 (m)						9,954	10,053	9,953					
Cota Camada 6 (m)						9,914	10,013	9,913					
Cota Camada 7 (m)						9,794	9,893	9,793					
Cota (m):		10,473	10,334	9,784	9,764	9,644	9,743	9,643	9,763	9,783	10,332	10,358	
E:		709,729,6617	709,729,7125	709,729,7125	709,729,7381	709,729,7384	709,729,8671	709,729,9971	709,729,9974	709,730,0230	709,730,0230	709,730,0561	
N:		7,089,423,0123	7,089,421,0472	7,089,421,0472	7,089,420,0573	7,089,420,0473	7,089,415,0731	7,089,410,0507	7,089,410,0407	7,089,409,0510	7,089,409,0510	7,089,407,7727	
Station: 3+0													
Dist. Eixo (m):		-7,819	-5,983	-5,983	-4,993	-4,983	0,000	5,017	5,027	6,017	6,017	7,312	
Cota Camada 1 (m)						10,072	10,171	10,071					
Cota Camada 3 (m)						9,992	10,091	9,991					
Cota Camada 6 (m)						9,952	10,051	9,951					
Cota Camada 7 (m)						9,832	9,931	9,831					
Cota (m):		10,508	10,371	9,822	9,802	9,682	9,781	9,681	9,801	9,821	10,371	10,397	
E:		709,739,6615	709,739,7090	709,739,7090	709,739,7346	709,739,7349	709,739,8638	709,739,9936	709,739,9939	709,740,0195	709,740,0195	709,740,0530	
N:		7,089,423,1485	7,089,421,3126	7,089,421,3126	7,089,420,3227	7,089,420,3127	7,089,415,3318	7,089,410,3161	7,089,410,3061	7,089,409,3164	7,089,409,3164	7,089,408,0226	
Station: 3+10													
Dist. Eixo (m):		-7,790	-5,989	-5,989	-4,999	-4,989	0,000	5,011	5,021	6,011	6,011	7,875	
Cota Camada 1 (m)						10,109	10,209	10,109					
Cota Camada 3 (m)						10,029	10,129	10,029					
Cota Camada 6 (m)						9,989	10,089	9,989					
Cota Camada 7 (m)						9,869	9,969	9,869					
Cota (m):		10,545	10,409	9,859	9,839	9,719	9,819	9,719	9,839	9,859	10,409	10,446	
E:		709,749,6589	709,749,7055	709,749,7055	709,749,7311	709,749,7314	709,749,8604	709,749,9901	709,749,9903	709,750,0160	709,750,0160	709,750,0642	
N:		7,089,423,3782	7,089,421,5780	7,089,421,5780	7,089,420,5881	7,089,420,5781	7,089,415,5905	7,089,410,5815	7,089,410,5715	7,089,409,5818	7,089,409,5818	7,089,407,7183	
Station: 4+0													
Dist. Eixo (m):		-7,759	-5,996	-5,996	-5,006	-4,996	0,000	5,004	5,014	6,004	6,004	7,927	
Cota Camada 1 (m)						10,147	10,247	10,147					
Cota Camada 3 (m)						10,067	10,167	10,067					
Cota Camada 6 (m)						10,027	10,127	10,027					
Cota Camada 7 (m)						9,907	10,007	9,907					
Cota (m):		10,582	10,447	9,897	9,877	9,757	9,857	9,757	9,877	9,897	10,447	10,485	
E:		709,759,6564	709,759,7020	709,759,7020	709,759,7276	709,759,7278	709,759,8571	709,759,9866	709,759,9868	709,760,0124	709,760,0124	709,760,0622	
N:		7,089,423,6055	7,089,421,8434	7,089,421,8434	7,089,420,8535	7,089,420,8436	7,089,415,8493	7,089,410,8469	7,089,410,8369	7,089,409,8472	7,089,409,8472	7,089,407,9245	
Station: 4+10													
Dist. Eixo (m):		-7,778	-6,003	-6,003	-5,013	-5,003	0,000	4,997	5,007	5,997	5,997	7,980	
Cota Camada 1 (m)						10,185	10,285	10,185					
Cota Camada 3 (m)						10,105	10,205	10,105					
Cota Camada 6 (m)						10,065	10,165	10,065					
Cota Camada 7 (m)						9,945	10,045	9,945					
Cota (m):		10,620	10,484	9,935	9,915	9,795	9,895	9,795	9,915	9,935	10,484	10,524	
E:		709,769,6525	709,769,6984	709,769,6984	709,769,7241	709,769,7243	709,769,8537	709,769,9830	709,769,9833	709,770,0089	709,770,0089	709,770,0602	
N:		7,089,423,8836	7,089,422,1088	7,089,422,1088	7,089,421,1190	7,089,421,1090	7,089,416,1080	7					

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
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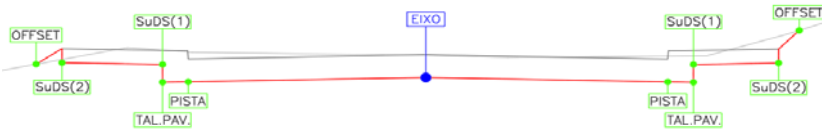
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO(2)	PASSEIO(1)	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO(1)	PASSEIO(2)	OFFSET
Station: 5+10													
Dist. Eixo (m):		-7,768	-6,016	-6,016	-5,026	-5,016	0,000	4,984	4,994	5,984	5,984	8,157	
Cota Camada 1 (m)						10,260	10,360	10,261					
Cota Camada 3 (m)						10,180	10,280	10,181					
Cota Camada 6 (m)						10,140	10,240	10,141					
Cota Camada 7 (m)						10,020	10,120	10,021					
Cota (m):		10,695	10,560	10,010	9,990	9,870	9,970	9,871	9,991	10,010	10,561	10,604	
E:		709.789.6461	709.789.6914	709.789.6914	709.789.7170	709.789.7173	709.789.8471	709.789.9760	709.789.9763	709.790.0019	709.790.0019	709.790.0581	
N:		7.089.424.3908	7.089.422.6396	7.089.422.6396	7.089.421.6498	7.089.421.6398	7.089.416.6254	7.089.411.6431	7.089.411.6331	7.089.410.6435	7.089.410.6435	7.089.408.4714	
Station: 6+0													
Dist. Eixo (m):		-7,900	-6,023	-6,023	-5,033	-5,023	0,000	4,977	4,987	5,977	5,977	8,152	
Cota Camada 1 (m)						10,298	10,398	10,299					
Cota Camada 3 (m)						10,218	10,318	10,219					
Cota Camada 6 (m)						10,178	10,278	10,179					
Cota Camada 7 (m)						10,058	10,158	10,059					
Cota (m):		10,735	10,597	10,048	10,028	9,908	10,008	9,909	10,029	10,048	10,599	10,642	
E:		709.789.6393	709.789.6879	709.789.6879	709.789.7135	709.789.7138	709.789.8437	709.789.9725	709.789.9727	709.789.9984	709.789.9984	709.800.0546	
N:		7.089.424.7811	7.089.422.9050	7.089.422.9050	7.089.421.9152	7.089.421.9052	7.089.416.8842	7.089.411.9085	7.089.411.8985	7.089.410.9089	7.089.410.9089	7.089.408.7348	
Station: 6+10													
Dist. Eixo (m):		-8,019	-6,030	-6,030	-5,039	-5,029	0,000	4,971	4,981	5,971	5,971	8,140	
Cota Camada 1 (m)						10,335	10,436	10,336					
Cota Camada 3 (m)						10,255	10,356	10,256					
Cota Camada 6 (m)						10,215	10,316	10,216					
Cota Camada 7 (m)						10,095	10,196	10,096					
Cota (m):		10,775	10,635	10,085	10,065	9,945	10,046	9,946	10,066	10,086	10,637	10,680	
E:		709.809.6329	709.809.6844	709.809.6844	709.809.7100	709.809.7102	709.809.8404	709.809.9690	709.809.9692	709.809.9948	709.809.9948	709.810.0510	
N:		7.089.425.1593	7.089.423.1705	7.089.423.1705	7.089.422.1806	7.089.422.1706	7.089.417.1429	7.089.412.1739	7.089.412.1639	7.089.411.1743	7.089.411.1743	7.089.409.0057	
Station: 7+0													
Dist. Eixo (m):		-8,112	-6,036	-6,036	-5,046	-5,036	0,000	4,964	4,974	5,964	5,964	8,123	
Cota Camada 1 (m)						10,343	10,444	10,344					
Cota Camada 3 (m)						10,263	10,364	10,264					
Cota Camada 6 (m)						10,223	10,324	10,224					
Cota Camada 7 (m)						10,103	10,204	10,104					
Cota (m):		10,684	10,643	10,093	10,073	9,953	10,054	9,954	10,074	10,094	10,644	10,687	
E:		709.819.6271	709.819.6808	709.819.6808	709.819.7065	709.819.7067	709.819.8370	709.819.9654	709.819.9657	709.819.9913	709.819.9913	709.820.0472	
N:		7.089.425.5110	7.089.423.4359	7.089.423.4359	7.089.422.4460	7.089.422.4360	7.089.417.4016	7.089.412.4393	7.089.412.4293	7.089.411.4397	7.089.411.4397	7.089.409.2818	
Station: 7+10													
Dist. Eixo (m):		-8,083	-6,043	-6,043	-5,053	-5,043	0,000	4,957	4,967	5,957	5,957	8,111	
Cota Camada 1 (m)						10,290	10,391	10,292					
Cota Camada 3 (m)						10,210	10,311	10,212					
Cota Camada 6 (m)						10,170	10,271	10,172					
Cota Camada 7 (m)						10,050	10,151	10,052					
Cota (m):		10,731	10,590	10,040	10,020	9,900	10,001	9,902	10,022	10,042	10,592	10,635	
E:		709.829.6245	709.829.6773	709.829.6773	709.829.7029	709.829.7032	709.829.8337	709.829.9619	709.829.9622	709.829.9878	709.829.9878	709.830.0435	
N:		7.089.425.7407	7.089.423.7013	7.089.423.7013	7.089.422.7114	7.089.422.7014	7.089.417.6603	7.089.412.7047	7.089.412.6948	7.089.411.7051	7.089.411.7051	7.089.409.5516	
Station: 8+0													
Dist. Eixo (m):		-8,072	-6,050	-6,050	-5,059	-5,049	0,000	4,951	4,961	5,951	5,951	8,101	
Cota Camada 1 (m)						10,178	10,278	10,179					
Cota Camada 3 (m)						10,098	10,198	10,099					
Cota Camada 6 (m)						10,058	10,158	10,059					
Cota Camada 7 (m)						9,938	10,038	9,939					
Cota (m):		10,618	10,477	9,928	9,908	9,788	9,888	9,789	9,909	9,929	10,479	10,522	
E:		709.839.6215	709.839.6738	709.839.6738	709.839.6994	709.839.6997	709.839.8303	709.839.9584	709.839.9587	709.839.9843	709.839.9843	709.840.0399	
N:		7.089.425.9879	7.089.423.9667	7.089.423.9667	7.089.422.9768	7.089.422.9668	7.089.417.9191	7.089.412.9702	7.089.412.9602	7.089.411.9705	7.089.411.9705	7.089.409.8207	
Station: 8+10													
Dist. Eixo (m):		-8,100	-6,056	-6,056	-5,066	-5,056	0,000	4,944	4,954	5,944	5,944	8,154	
Cota Camada 1 (m)						10,005	10,106	10,007					
Cota Camada 3 (m)						9,925	10,026	9,927					
Cota Camada 6 (m)						9,885	9,986	9,887					
Cota Camada 7 (m)						9,765	9,866	9,767					
Cota (m):		10,345	10,304	9,755	9,735	9,615	9,716	9,617	9,737	9,757	10,307	10,351	
E:		709.849.6174	709.849.6703	709.849.6703	709.849.6959	709.849.6962	709.849.8270	709.849.9549	709.849.9551	709.849.9807	709.849.9807	709.850.0379	
N:		7.089.426.2756	7.089.424.2321	7.089.424.2321	7.089.423.2422	7.089.423.2322	7.089.418.1778	7.089.413.2356	7.089.413.2256	7.089.412.2359	7.089.412.2359	7.089.410.0264	
Station: 9+0													
Dist. Eixo (m):		-8,052	-6,063	-6,063	-5,073	-5,063	0,000	4,937	4,947	5,937	5,937	8,241	
Cota Camada 1 (m)						9,801	9,903	9,804					
Cota Camada 3 (m)						9,721	9,823	9,724					
Cota Camada 6 (m)						9,681	9,783	9,684					
Cota Camada 7 (m)						9,561	9,663	9,564					
Cota (m):		10,141	10,101	9,551	9,531	9,411	9,513	9,414	9,534	9,554	10,104	10,150	
E:		709.859.6153	709.859.6668	709.859.6668	709.859.6924	709.859.6926	709.859.8236	709.859.9514	709.859.9516	709.859.9772	709.859.9772	709.860.0368	
N:		7.089.426.4855	7.089.424.4975	7.089.424.4975	7.089.423.5076	7.089.423.4976	7.089.418.4365	7.089.413.5010	7.089.413.4910	7.089.412.5013	7.089.412.5013	7.089.410.1980	
Station: 9+8													
Dist. Eixo (m):		-9,440	-7,725	-7,725	-6,735	-6,725	0,000	4,932	4,942	5,932	5,932	8,051	
Cota Camada 1 (m)						9,604	9,738	9,639					
Cota Camada 3 (m)						9,524	9,658	9,559					
Cota Camada 6 (m)						9,484	9,618	9,519					
Cota Camada 7 (m)						9,364	9,498	9,399					
Cota (m):		10,038	9,903	9,354	9,334	9,214	9,348	9,249	9,369	9,389	9,940	9,982	
E:		709.867.6864	709.867.7307	709.867.7307	709.867.7564	709.867.7566	709.867.9306	709.868.0582	709.868.0585	709.868.0841	709.868.0841	709.868.1389	
N:		7.089.428.0835	7.089.426.3685	7.089.426.3685	7.089.425.3786	7.089.425.3686	7.089.418.6463	7.089.413.7162	7.089.413.7062	7.089.412.7165	7.089.412.7165	7.089.410.5984	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA SÃO GABRIEL ARCANJO

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):		-13,389	-13,034	-13,034	-12,401	0,000	12,905	13,538			
Cota Camada 1 (m)					11,889	11,849	11,791				
Cota Camada 3 (m)					11,809	11,769	11,711				
Cota Camada 6 (m)					11,769	11,729	11,671				
Cota Camada 7 (m)					11,649	11,609	11,551				
Cota (m):		11,928	11,921	11,486	11,499	11,459	11,401	11,389			
E:		709.091,7684	709.091,7751	709.091,7751	709.091,7872	709.092,0232	709.092,2689	709.092,2809			
N:		7.089.563,1190	7.089.562,7645	7.089.562,7645	7.089.562,1318	7.089.549,7326	7.089.536,8297	7.089.536,1972			
Station: 0+10											
Dist. Eixo (m):		-7,356	-5,599	-5,599	-4,966	0,000	5,034	5,667	5,667	8,034	8,270
Cota Camada 1 (m)					11,574	11,673	11,573				
Cota Camada 3 (m)					11,494	11,593	11,493				
Cota Camada 6 (m)					11,454	11,553	11,453				
Cota Camada 7 (m)					11,334	11,433	11,333				
Cota (m):		11,642	11,607	11,171	11,184	11,283	11,183	11,170	11,605	11,652	11,855
E:		709.101,8814	709.101,9148	709.101,9148	709.101,9269	709.102,0214	709.102,1172	709.102,1293	709.102,1293	709.102,1743	709.102,1788
N:		7.089.557,2772	7.089.555,5209	7.089.555,5209	7.089.554,8882	7.089.549,9230	7.089.544,8898	7.089.544,2573	7.089.544,2573	7.089.541,8903	7.089.541,6544
Station: 1+0											
Dist. Eixo (m):		-7,375	-5,546	-5,546	-4,913	0,000	5,087	5,720	5,720	8,087	8,260
Cota Camada 1 (m)					11,503	11,601	11,499				
Cota Camada 3 (m)					11,423	11,521	11,419				
Cota Camada 6 (m)					11,383	11,481	11,379				
Cota Camada 7 (m)					11,263	11,361	11,259				
Cota (m):		11,572	11,535	11,100	11,113	11,211	11,109	11,096	11,532	11,579	11,824
E:		709.111,8792	709.111,9140	709.111,9140	709.111,9261	709.112,0196	709.112,1164	709.112,1285	709.112,1285	709.112,1735	709.112,1768
N:		7.089.557,4867	7.089.555,6579	7.089.555,6579	7.089.555,0252	7.089.550,1133	7.089.545,0269	7.089.544,3943	7.089.544,3943	7.089.542,0274	7.089.541,8551
Station: 1+10											
Dist. Eixo (m):		-7,394	-5,492	-5,492	-4,859	0,000	5,141	5,773	5,773	8,141	
Cota Camada 1 (m)					11,517	11,614	11,511				
Cota Camada 3 (m)					11,437	11,534	11,431				
Cota Camada 6 (m)					11,397	11,494	11,391				
Cota Camada 7 (m)					11,277	11,374	11,271				
Cota (m):		11,588	11,550	11,114	11,127	11,224	11,121	11,109	11,544	11,591	
E:		709.121,8771	709.121,9133	709.121,9133	709.121,9253	709.122,0178	709.122,1156	709.122,1277	709.122,1277	709.122,1728	
N:		7.089.557,6964	7.089.555,7950	7.089.555,7950	7.089.555,1622	7.089.550,3037	7.089.545,1639	7.089.544,5313	7.089.544,5313	7.089.542,1644	
Station: 2+0											
Dist. Eixo (m):		-7,495	-5,439	-5,439	-4,806	0,000	5,194	5,827	5,827	8,194	
Cota Camada 1 (m)					11,538	11,634	11,530				
Cota Camada 3 (m)					11,458	11,554	11,450				
Cota Camada 6 (m)					11,418	11,514	11,410				
Cota Camada 7 (m)					11,298	11,394	11,290				
Cota (m):		11,612	11,571	11,135	11,148	11,244	11,140	11,128	11,563	11,610	
E:		709.131,8733	709.131,9125	709.131,9125	709.131,9245	709.132,0160	709.132,1149	709.132,1269	709.132,1269	709.132,1720	
N:		7.089.557,9872	7.089.555,9320	7.089.555,9320	7.089.555,2992	7.089.550,4940	7.089.545,3009	7.089.544,6684	7.089.544,6684	7.089.542,3014	
Station: 2+10											
Dist. Eixo (m):		-7,704	-5,386	-5,386	-4,753	0,000	5,247	5,880	5,880	8,247	
Cota Camada 1 (m)					11,559	11,654	11,549				
Cota Camada 3 (m)					11,479	11,574	11,469				
Cota Camada 6 (m)					11,439	11,534	11,429				
Cota Camada 7 (m)					11,319	11,414	11,309				
Cota (m):		11,638	11,592	11,156	11,169	11,264	11,159	11,147	11,582	11,629	
E:		709.141,8675	709.141,9117	709.141,9117	709.141,9237	709.142,0142	709.142,1141	709.142,1261	709.142,1261	709.142,1712	
N:		7.089.558,3870	7.089.556,0690	7.089.556,0690	7.089.555,4363	7.089.550,6844	7.089.545,4379	7.089.544,8054	7.089.544,8054	7.089.542,4384	
Station: 3+0											
Dist. Eixo (m):		-8,226	-5,781	-5,781	-5,148	0,000	5,573	6,205	6,205	8,705	9,195
Cota Camada 1 (m)					11,609	11,674	11,577				
Cota Camada 3 (m)					11,529	11,594	11,497				
Cota Camada 6 (m)					11,489	11,554	11,457				
Cota Camada 7 (m)					11,369	11,434	11,337				
Cota (m):		11,691	11,642	11,206	11,219	11,284	11,187	11,175	11,610	11,660	11,693
E:		709.151,8558	709.151,9023	709.151,9023	709.151,9144	709.152,0124	709.152,1184	709.152,1305	709.152,1305	709.152,1781	709.152,1874
N:		7.089.559,0995	7.089.556,6548	7.089.556,6548	7.089.556,0221	7.089.550,8747	7.089.545,3031	7.089.544,6705	7.089.544,6705	7.089.542,1708	7.089.541,6812
Station: 3+5											
Dist. Eixo (m):		-13,883	-13,316	-13,316	-12,683	0,000	10,526	11,159	11,159	14,319	
Cota Camada 1 (m)					11,736	11,685	11,625				
Cota Camada 3 (m)					11,656	11,605	11,545				
Cota Camada 6 (m)					11,616	11,565	11,505				
Cota Camada 7 (m)					11,496	11,445	11,385				
Cota (m):		11,779	11,768	11,333	11,346	11,295	11,235	11,222	11,658	11,721	
E:		709.157,1454	709.157,1562	709.157,1562	709.157,1683	709.157,4097	709.157,6100	709.157,6221	709.157,6221	709.157,6822	
N:		7.089.564,8578	7.089.564,2906	7.089.564,2906	7.089.563,6579	7.089.550,9775	7.089.540,4529	7.089.539,8204	7.089.539,8204	7.089.536,6606	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
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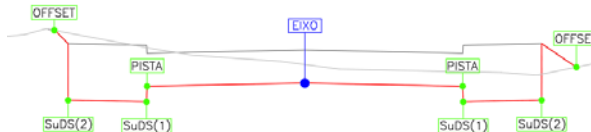
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 3+13									
Dist. Eixo (m):		-13,028	-10,239	-10,229	0,000	12,898	12,908	14,098	
Cota Camada 1 (m)				11,928	11,914	11,870			
Cota Camada 3 (m)				11,848	11,834	11,790			
Cota Camada 6 (m)				11,808	11,794	11,750			
Cota Camada 7 (m)				11,688	11,674	11,630			
Cota (m):		11,574	11,518	11,538	11,524	11,480	11,460	11,484	
E:		709.165,6515	709.165,7046	709.165,7048	709.165,8995	709.166,1450	709.166,1452	709.166,1679	
N:		7.089.564,1649	7.089.561,3763	7.089.561,3663	7.089.551,1391	7.089.538,2431	7.089.538,2331	7.089.537,0433	
Station: 4+0									
Dist. Eixo (m):		-7,990	-5,125	-5,115	0,000	5,231	5,241	8,321	
Cota Camada 1 (m)				11,812	11,896	11,802			
Cota Camada 3 (m)				11,732	11,816	11,722			
Cota Camada 6 (m)				11,692	11,776	11,682			
Cota Camada 7 (m)				11,572	11,656	11,562			
Cota (m):		11,459	11,402	11,422	11,506	11,412	11,392	11,454	
E:		709.171,8566	709.171,9112	709.171,9114	709.172,0087	709.172,1083	709.172,1085	709.172,1671	
N:		7.089.559,2442	7.089.556,3793	7.089.556,3693	7.089.551,2554	7.089.546,0254	7.089.546,0155	7.089.542,9355	
Station: 4+3									
Dist. Eixo (m):		-7,894	-5,016	-5,006	0,000	4,994	5,004	7,994	8,521
Cota Camada 1 (m)				11,787	11,887	11,787			
Cota Camada 3 (m)				11,707	11,807	11,707			
Cota Camada 6 (m)				11,667	11,767	11,667			
Cota Camada 7 (m)				11,547	11,647	11,547			
Cota (m):		11,435	11,377	11,397	11,497	11,397	11,377	11,437	11,645
E:		709.174,8636	709.174,9184	709.174,9185	709.175,0138	709.175,1089	709.175,1091	709.175,1660	709.175,1760
N:		7.089.559,2053	7.089.556,3283	7.089.556,3183	7.089.551,3126	7.089.546,3197	7.089.546,3097	7.089.543,3201	7.089.542,7927
Station: 4+10									
Dist. Eixo (m):		-7,895	-5,016	-5,006	0,000	4,994	5,004	7,994	8,431
Cota Camada 1 (m)				11,766	11,866	11,766			
Cota Camada 3 (m)				11,686	11,786	11,686			
Cota Camada 6 (m)				11,646	11,746	11,646			
Cota Camada 7 (m)				11,526	11,626	11,526			
Cota (m):		11,413	11,356	11,376	11,476	11,376	11,356	11,416	11,685
E:		709.181,7805	709.181,8625	709.181,8628	709.182,0054	709.182,1476	709.182,1479	709.182,2330	709.182,2454
N:		7.089.559,4039	7.089.556,5259	7.089.556,5159	7.089.551,5118	7.089.546,5199	7.089.546,5100	7.089.543,5212	7.089.543,0846
Station: 5+0									
Dist. Eixo (m):		-7,891	-5,016	-5,006	0,000	4,994	5,004	7,994	8,483
Cota Camada 1 (m)				11,736	11,836	11,736			
Cota Camada 3 (m)				11,656	11,756	11,656			
Cota Camada 6 (m)				11,616	11,716	11,616			
Cota Camada 7 (m)				11,496	11,596	11,496			
Cota (m):		11,383	11,326	11,346	11,446	11,346	11,326	11,386	11,620
E:		709.191,7766	709.191,8585	709.191,8588	709.192,0013	709.192,1435	709.192,1438	709.192,2290	709.192,2429
N:		7.089.559,6848	7.089.556,8103	7.089.556,8003	7.089.551,7966	7.089.546,8043	7.089.546,7944	7.089.543,8056	7.089.543,3175
Station: 5+10									
Dist. Eixo (m):		-7,882	-5,015	-5,005	0,000	4,995	5,005	7,995	8,483
Cota Camada 1 (m)				11,706	11,806	11,706			
Cota Camada 3 (m)				11,626	11,726	11,626			
Cota Camada 6 (m)				11,586	11,686	11,586			
Cota Camada 7 (m)				11,466	11,566	11,466			
Cota (m):		11,353	11,296	11,316	11,416	11,316	11,296	11,356	11,590
E:		709.201,7728	709.201,8544	709.201,8547	709.201,9972	709.202,1395	709.202,1398	709.202,2249	709.202,2388
N:		7.089.559,9599	7.089.557,0947	7.089.557,0847	7.089.552,0813	7.089.547,0888	7.089.547,0788	7.089.544,0900	7.089.543,6014

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Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 6+0									
Dist. Eixo (m):		-7,889	-5,015	-5,005	0,000	4,995	5,005	7,995	8,461
Cota Camada 1 (m)				11,676	11,776	11,676			
Cota Camada 3 (m)				11,596	11,696	11,596			
Cota Camada 6 (m)				11,556	11,656	11,556			
Cota Camada 7 (m)				11,436	11,536	11,436			
Cota (m):		11,323	11,266	11,286	11,386	11,286	11,266	11,326	11,575
E:		709.211,7685	709.211,8504	709.211,8507	709.211,9932	709.212,1354	709.212,1357	709.212,2209	709.212,2341
N:		7.089.560,2517	7.089.557,3791	7.089.557,3691	7.089.552,3661	7.089.547,3732	7.089.547,3632	7.089.544,3744	7.089.543,9089
Station: 6+10									
Dist. Eixo (m):		-7,955	-5,015	-5,005	0,000	4,995	5,005	7,995	8,440
Cota Camada 1 (m)				11,646	11,746	11,646			
Cota Camada 3 (m)				11,566	11,666	11,566			
Cota Camada 6 (m)				11,526	11,626	11,526			
Cota Camada 7 (m)				11,406	11,506	11,406			
Cota (m):		11,295	11,236	11,256	11,356	11,256	11,236	11,296	11,559
E:		709.221,7626	709.221,8463	709.221,8466	709.221,9891	709.222,1314	709.222,1317	709.222,2168	709.222,2295
N:		7.089.560,6025	7.089.557,6635	7.089.557,6535	7.089.552,6509	7.089.547,6576	7.089.547,6476	7.089.544,6588	7.089.544,2138
Station: 7+0									
Dist. Eixo (m):		-7,955	-5,014	-5,004	0,000	4,996	5,006	7,996	8,443
Cota Camada 1 (m)				11,628	11,728	11,628			
Cota Camada 3 (m)				11,548	11,648	11,548			
Cota Camada 6 (m)				11,508	11,608	11,508			
Cota Camada 7 (m)				11,388	11,488	11,388			
Cota (m):		11,276	11,218	11,238	11,338	11,238	11,218	11,278	11,540
E:		709.231,7585	709.231,8423	709.231,8426	709.231,9851	709.232,1273	709.232,1276	709.232,2128	709.232,2255
N:		7.089.560,8876	7.089.557,9479	7.089.557,9379	7.089.552,9356	7.089.547,9420	7.089.547,9320	7.089.544,9432	7.089.544,4964
Station: 7+10									
Dist. Eixo (m):		-7,849	-5,014	-5,004	0,000	4,996	5,006	7,996	8,403
Cota Camada 1 (m)				11,633	11,733	11,633			
Cota Camada 3 (m)				11,553	11,653	11,553			
Cota Camada 6 (m)				11,513	11,613	11,513			
Cota Camada 7 (m)				11,393	11,493	11,393			
Cota (m):		11,279	11,223	11,243	11,343	11,243	11,223	11,283	11,571
E:		709.241,7575	709.241,8382	709.241,8385	709.241,9810	709.242,1233	709.242,1236	709.242,2087	709.242,2203
N:		7.089.561,0665	7.089.558,2323	7.089.558,2223	7.089.553,2204	7.089.548,2264	7.089.548,2164	7.089.545,2276	7.089.544,8205
Station: 8+0									
Dist. Eixo (m):		-7,870	-5,014	-5,004	0,000	4,996	5,006	7,996	8,347
Cota Camada 1 (m)				11,649	11,749	11,649			
Cota Camada 3 (m)				11,569	11,669	11,569			
Cota Camada 6 (m)				11,529	11,629	11,529			
Cota Camada 7 (m)				11,409	11,509	11,409			
Cota (m):		11,296	11,239	11,259	11,359	11,259	11,239	11,299	11,625
E:		709.251,7528	709.251,8342	709.251,8345	709.251,9770	709.252,1193	709.252,1195	709.252,2047	709.252,2147
N:		7.089.561,3724	7.089.558,5167	7.089.558,5067	7.089.553,5052	7.089.548,5108	7.089.548,5008	7.089.545,5120	7.089.545,1612
Station: 8+10									
Dist. Eixo (m):		-7,934	-5,013	-5,003	0,000	4,997	5,007	7,997	
Cota Camada 1 (m)				11,666	11,766	11,666			
Cota Camada 3 (m)				11,586	11,686	11,586			
Cota Camada 6 (m)				11,546	11,646	11,546			
Cota Camada 7 (m)				11,426	11,526	11,426			
Cota (m):		11,314	11,256	11,276	11,376	11,276	11,256	11,316	
E:		709.261,7470	709.261,8302	709.261,8304	709.261,9729	709.262,1152	709.262,1155	709.262,2006	
N:		7.089.561,7206	7.089.558,8011	7.089.558,7911	7.089.553,7899	7.089.548,7952	7.089.548,7852	7.089.545,7964	
Station: 9+0									
Dist. Eixo (m):		-7,999	-5,013	-5,003	0,000	4,997	5,007	7,997	
Cota Camada 1 (m)				11,683	11,783	11,683			
Cota Camada 3 (m)				11,603	11,703	11,603			
Cota Camada 6 (m)				11,563	11,663	11,563			
Cota Camada 7 (m)				11,443	11,543	11,443			
Cota (m):		11,332	11,273	11,293	11,393	11,293	11,273	11,333	
E:		709.271,7411	709.271,8261	709.271,8264	709.271,9689	709.272,1112	709.272,1114	709.272,1966	
N:		7.089.562,0705	7.089.559,0855	7.089.559,0755	7.089.554,0747	7.089.549,0796	7.089.549,0696	7.089.546,0808	
Station: 9+10									
Dist. Eixo (m):		-7,997	-5,012	-5,002	0,000	4,998	5,008	7,998	
Cota Camada 1 (m)				11,699	11,799	11,699			
Cota Camada 3 (m)				11,619	11,719	11,619			
Cota Camada 6 (m)				11,579	11,679	11,579			
Cota Camada 7 (m)				11,459	11,559	11,459			
Cota (m):		11,349	11,289	11,309	11,409	11,309	11,289	11,349	
E:		709.281,7371	709.281,8221	709.281,8223	709.281,9648	709.282,1071	709.282,1074	709.282,1925	
N:		7.089.562,3534	7.089.559,3699	7.089.559,3599	7.089.554,3595	7.089.549,3640	7.089.549,3540	7.089.546,3652	
Station: 10+0									
Dist. Eixo (m):		-7,965	-5,012	-5,002	0,000	4,998	5,008	7,998	
Cota Camada 1 (m)				11,716	11,816	11,716			
Cota Camada 3 (m)				11,636	11,736	11,636			
Cota Camada 6 (m)				11,596	11,696	11,596			
Cota Camada 7 (m)				11,476	11,576	11,476			
Cota (m):		11,365	11,306	11,326	11,426	11,326	11,306	11,366	
E:		709.291,7339	709.291,8180	709.291,8183	709.291,9607	709.292,1031	709.292,1034	709.292,1885	
N:		7.089.562,6055	7.089.559,6543	7.089.559,6443	7.089.554,6442	7.089.549,6484	7.089.549,6384	7.089.546,6496	

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Station: 10+10										
Dist. Eixo (m):		-7,990	-5,012	-5,002	0,000	4,998	5,008	7,998		
Cota Camada 1 (m)				11,733	11,833	11,733				
Cota Camada 3 (m)				11,653	11,753	11,653				
Cota Camada 6 (m)				11,613	11,713	11,613				
Cota Camada 7 (m)				11,493	11,593	11,493				
Cota (m):		11,382	11,323	11,343	11,443	11,343	11,323	11,383		
E:		709.301,7292	709.301,8140	709.301,8143	709.301,9567	709.302,0990	709.302,0993	709.302,1845		
N:		7.089.562,9155	7.089.559,9387	7.089.559,9287	7.089.554,9290	7.089.549,9328	7.089.549,9228	7.089.546,9340		
Station: 11+0										
Dist. Eixo (m):		-8,089	-5,011	-5,001	0,000	4,999	5,009	7,999		
Cota Camada 1 (m)				11,749	11,849	11,749				
Cota Camada 3 (m)				11,669	11,769	11,669				
Cota Camada 6 (m)				11,629	11,729	11,629				
Cota Camada 7 (m)				11,509	11,609	11,509				
Cota (m):		11,401	11,339	11,359	11,459	11,359	11,339	11,399		
E:		709.311,7223	709.311,8099	709.311,8102	709.311,9526	709.312,0950	709.312,0953	709.312,1804		
N:		7.089.563,2999	7.089.560,2231	7.089.560,2131	7.089.555,2138	7.089.550,2172	7.089.550,2072	7.089.547,2184		
Station: 11+10										
Dist. Eixo (m):		-8,126	-5,011	-5,001	0,000	4,999	5,009	7,999		
Cota Camada 1 (m)				11,755	11,855	11,755				
Cota Camada 3 (m)				11,675	11,775	11,675				
Cota Camada 6 (m)				11,635	11,735	11,635				
Cota Camada 7 (m)				11,515	11,615	11,515				
Cota (m):		11,408	11,345	11,365	11,465	11,365	11,345	11,405		
E:		709.321,7172	709.321,8059	709.321,8062	709.321,9486	709.322,0909	709.322,0912	709.322,1764		
N:		7.089.563,6210	7.089.560,5075	7.089.560,4975	7.089.555,4985	7.089.550,5016	7.089.550,4916	7.089.547,5028		
Station: 12+0										
Dist. Eixo (m):		-8,124	-5,011	-5,001	0,000	4,999	5,009	7,999		
Cota Camada 1 (m)				11,740	11,840	11,740				
Cota Camada 3 (m)				11,660	11,760	11,660				
Cota Camada 6 (m)				11,620	11,720	11,620				
Cota Camada 7 (m)				11,500	11,600	11,500				
Cota (m):		11,392	11,330	11,350	11,450	11,350	11,330	11,390		
E:		709.331,7132	709.331,8018	709.331,8021	709.331,9445	709.332,0869	709.332,0872	709.332,1723		
N:		7.089.563,9038	7.089.560,7919	7.089.560,7819	7.089.555,7833	7.089.550,7860	7.089.550,7760	7.089.547,7872		
Station: 12+10										
Dist. Eixo (m):		-8,116	-5,010	-5,000	0,000	5,000	5,010	8,000		
Cota Camada 1 (m)				11,714	11,814	11,714				
Cota Camada 3 (m)				11,634	11,734	11,634				
Cota Camada 6 (m)				11,594	11,694	11,594				
Cota Camada 7 (m)				11,474	11,574	11,474				
Cota (m):		11,366	11,304	11,324	11,424	11,324	11,304	11,364		
E:		709.341,7093	709.341,7978	709.341,7981	709.341,9405	709.342,0828	709.342,0831	709.342,1683		
N:		7.089.564,1811	7.089.561,0763	7.089.561,0663	7.089.556,0681	7.089.551,0704	7.089.551,0604	7.089.548,0716		
Station: 12+17										
Dist. Eixo (m):		-8,105	-5,010	-5,000	0,000	5,000	5,010	8,000		
Cota Camada 1 (m)				11,695	11,795	11,695				
Cota Camada 3 (m)				11,615	11,715	11,615				
Cota Camada 6 (m)				11,575	11,675	11,575				
Cota Camada 7 (m)				11,455	11,555	11,455				
Cota (m):		11,347	11,285	11,305	11,405	11,305	11,285	11,344		
E:		709.349,2458	709.349,3339	709.349,3342	709.349,4766	709.349,6190	709.349,6192	709.349,7044		
N:		7.089.564,3841	7.089.561,2907	7.089.561,2807	7.089.556,2828	7.089.551,2848	7.089.551,2748	7.089.548,2860		
Station: 13+0										
Dist. Eixo (m):		-8,098	-5,048	-5,038	0,000	4,981	4,991	8,019	8,570	
Cota Camada 1 (m)				11,700	11,788	11,689				
Cota Camada 3 (m)				11,620	11,708	11,609				
Cota Camada 6 (m)				11,580	11,668	11,569				
Cota Camada 7 (m)				11,460	11,548	11,449				
Cota (m):		11,351	11,290	11,310	11,398	11,299	11,279	11,339	11,532	
E:		709.351,7740	709.351,8354	709.351,8356	709.351,9369	709.352,0371	709.352,0373	709.352,0982	709.352,1093	
N:		7.089.564,4287	7.089.561,3793	7.089.561,3693	7.089.556,3323	7.089.551,3526	7.089.551,3426	7.089.548,3145	7.089.547,7640	
Desenho Esquemático:										
PONTOS NOTÁVEIS		OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 13+7										
Dist. Eixo (m):		-13,167	-12,677	-12,667	0,000	10,096	10,106	14,140		
Cota Camada 1 (m)				11,931	11,769	11,676				
Cota Camada 3 (m)				11,851	11,689	11,596				
Cota Camada 6 (m)				11,811	11,649	11,556				
Cota Camada 7 (m)				11,691	11,529	11,436				
Cota (m):		11,531	11,521	11,541	11,379	11,286	11,266	11,347		
E:		709.359,0698	709.359,0796	709.359,0798	709.359,3347	709.359,5378	709.359,5380	709.359,6191		
N:		7.089.569,6458	7.089.569,1555	7.089.569,1455	7.089.556,4811	7.089.546,3874	7.089.546,3774	7.089.542,3441		
Station: 13+15										
Dist. Eixo (m):		-12,852	-9,444	-9,434	0,000	12,906	12,916	14,106		
Cota Camada 1 (m)				11,577	11,766	11,508				
Cota Camada 3 (m)				11,497	11,686	11,428				
Cota Camada 6 (m)				11,457	11,646	11,388				
Cota Camada 7 (m)				11,337	11,526	11,268				
Cota (m):		11,235	11,167	11,187	11,376	11,118	11,098	11,122		
E:		709.367,6146	709.367,6831	709.367,6833	709.367,8731	709.368,1328	709.368,1330	709.368,1569		
N:		7.089.569,5022	7.089.566,0952	7.089.566,0852	7.089.556,6529	7.089.543,7492	7.089.543,7392	7.089.542,5495		

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Station: 14+0										
Dist. Eixo (m):		-9,253	-9,178	-5,634	-5,624	0,000	6,030	6,040	9,486	9,628
Cota Camada 1 (m)					11,633	11,745	11,625			
Cota Camada 3 (m)					11,553	11,665	11,545			
Cota Camada 6 (m)					11,513	11,625	11,505			
Cota Camada 7 (m)					11,393	11,505	11,385			
Cota (m):		11,929	11,294	11,223	11,243	11,355	11,235	11,215	11,284	11,750
E:		709.371,7467	709.371,7482	709.371,8195	709.371,8197	709.371,9329	709.372,0542	709.372,0544	709.372,1237	709.372,1266
N:		7.089.565,9859	7.089.565,9112	7.089.562,3679	7.089.562,3580	7.089.556,7346	7.089.550,7062	7.089.550,6962	7.089.547,2502	7.089.547,1090
Station: 14+3										
Dist. Eixo (m):		-8,048	-7,989	-5,012	-5,002	0,000	5,011	5,021	8,053	8,341
Cota Camada 1 (m)					11,628	11,728	11,628			
Cota Camada 3 (m)					11,548	11,648	11,548			
Cota Camada 6 (m)					11,508	11,608	11,508			
Cota Camada 7 (m)					11,388	11,488	11,388			
Cota (m):		11,798	11,278	11,218	11,238	11,338	11,238	11,218	11,279	11,646
E:		709.375,1763	709.375,1775	709.375,2374	709.375,2376	709.375,3382	709.375,4390	709.375,4392	709.375,5002	709.375,5060
N:		7.089.564,8500	7.089.564,7910	7.089.561,8142	7.089.561,8042	7.089.556,8032	7.089.551,7937	7.089.551,7837	7.089.548,7522	7.089.548,4634
Station: 14+10										
Dist. Eixo (m):			-8,092	-5,012	-5,002	0,000	4,998	5,008	7,998	8,181
Cota Camada 1 (m)					11,595	11,695	11,595			
Cota Camada 3 (m)					11,515	11,615	11,515			
Cota Camada 6 (m)					11,475	11,575	11,475			
Cota Camada 7 (m)					11,355	11,455	11,355			
Cota (m):			11,247	11,185	11,205	11,305	11,205	11,185	11,245	11,403
E:			709.381,6650	709.381,7654	709.381,7657	709.381,9287	709.382,0916	709.382,0919	709.382,1893	709.382,1953
N:			7.089.565,1053	7.089.562,0269	7.089.562,0169	7.089.557,0180	7.089.552,0222	7.089.552,0122	7.089.549,0238	7.089.548,8413
Station: 15+0										
Dist. Eixo (m):			-8,200	-5,011	-5,001	0,000	4,999	5,009	7,999	
Cota Camada 1 (m)					11,545	11,645	11,545			
Cota Camada 3 (m)					11,465	11,565	11,465			
Cota Camada 6 (m)					11,425	11,525	11,425			
Cota Camada 7 (m)					11,305	11,405	11,305			
Cota (m):			11,199	11,135	11,155	11,255	11,155	11,135	11,195	
E:			709.391,6562	709.391,7601	709.391,7604	709.391,9234	709.392,0863	709.392,0866	709.392,1840	
N:			7.089.565,5393	7.089.562,3526	7.089.562,3426	7.089.557,3439	7.089.552,3479	7.089.552,3379	7.089.549,3495	
Station: 15+10										
Dist. Eixo (m):			-8,200	-5,011	-5,001	0,000	4,999	5,009	7,999	
Cota Camada 1 (m)					11,495	11,595	11,495			
Cota Camada 3 (m)					11,415	11,515	11,415			
Cota Camada 6 (m)					11,375	11,475	11,375			
Cota Camada 7 (m)					11,255	11,355	11,255			
Cota (m):			11,148	11,085	11,105	11,205	11,105	11,085	11,144	
E:			709.401,6508	709.401,7548	709.401,7551	709.401,9181	709.402,0809	709.402,0813	709.402,1787	
N:			7.089.565,8655	7.089.562,6783	7.089.562,6683	7.089.557,6698	7.089.552,6736	7.089.552,6636	7.089.549,6752	
Station: 16+0										
Dist. Eixo (m):			-8,198	-5,011	-5,001	0,000	4,999	5,009	7,999	
Cota Camada 1 (m)					11,453	11,553	11,453			
Cota Camada 3 (m)					11,373	11,473	11,373			
Cota Camada 6 (m)					11,333	11,433	11,333			
Cota Camada 7 (m)					11,213	11,313	11,213			
Cota (m):			11,107	11,043	11,063	11,163	11,063	11,043	11,103	
E:			709.411,6456	709.411,7494	709.411,7498	709.411,9127	709.412,0756	709.412,0760	709.412,1734	
N:			7.089.566,1898	7.089.563,0040	7.089.562,9940	7.089.557,9956	7.089.552,9993	7.089.552,9893	7.089.550,0009	
Station: 16+10										
Dist. Eixo (m):			-8,197	-5,011	-5,001	0,000	4,999	5,009	7,999	
Cota Camada 1 (m)					11,429	11,529	11,429			
Cota Camada 3 (m)					11,349	11,449	11,349			
Cota Camada 6 (m)					11,309	11,409	11,309			
Cota Camada 7 (m)					11,189	11,289	11,189			
Cota (m):			11,083	11,019	11,039	11,139	11,039	11,019	11,079	
E:			709.421,6403	709.421,7441	709.421,7445	709.421,9074	709.422,0703	709.422,0707	709.422,1681	
N:			7.089.566,5141	7.089.563,3297	7.089.563,3197	7.089.558,3215	7.089.553,3250	7.089.553,3150	7.089.550,3266	
Station: 17+0										
Dist. Eixo (m):			-8,195	-5,011	-5,001	0,000	4,999	5,009	7,999	
Cota Camada 1 (m)					11,414	11,514	11,414			
Cota Camada 3 (m)					11,334	11,434	11,334			
Cota Camada 6 (m)					11,294	11,394	11,294			
Cota Camada 7 (m)					11,174	11,274	11,174			
Cota (m):			11,068	11,004	11,024	11,124	11,024	11,004	11,064	
E:			709.431,6351	709.431,7388	709.431,7392	709.431,9021	709.432,0650	709.432,0654	709.432,1628	
N:			7.089.566,8383	7.089.563,6554	7.089.563,6454	7.089.558,6474	7.089.553,6507	7.089.553,6407	7.089.550,6523	
Station: 17+10										
Dist. Eixo (m):			-8,194	-5,011	-5,001	0,000	4,999	5,009	7,999	
Cota Camada 1 (m)					11,399	11,499	11,399			
Cota Camada 3 (m)					11,319	11,419	11,319			
Cota Camada 6 (m)					11,279	11,379	11,279			
Cota Camada 7 (m)					11,159	11,259	11,159			
Cota (m):			11,053	10,989	11,009	11,109	11,009	10,989	11,049	
E:			709.441,6298	709.441,7335	709.441,7339	709.441,8968	709.442,0597	709.442,0601	709.442,1575	
N:			7.089.567,1626	7.089.563,9811	7.089.563,9711	7.089.558,9733	7.089.553,9764	7.089.553,9664	7.089.550,9780	
Station: 18+0										
Dist. Eixo (m):			-8,192	-5,010	-5,000	0,000	5,000	5,010	8,000	
Cota Camada 1 (m)					11,384	11,484	11,384			
Cota Camada 3 (m)					11,304	11,404	11,304			
Cota Camada 6 (m)					11,264	11,364	11,264			
Cota Camada 7 (m)					11,144	11,244	11,144			
Cota (m):			11,038	10,974	10,994	11,094	10,994	10,974	11,034	
E:			709.451,6245	709.451,7282	709.451,7286	709.451,8915	709.452,0544	709.452,0547	709.452,1522	
N:			7.089.567,4869	7.089.564,3068	7.089.564,2968	7.089.559,2991	7.089.554,3021	7.089.554,2921	7.089.551,3037	

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Station: 18+10									
Dist. Eixo (m):		-8,191	-5,010	-5,000	0,000	5,000	5,010	8,000	
Cota Camada 1 (m)				11,369	11,469	11,369			
Cota Camada 3 (m)				11,289	11,389	11,289			
Cota Camada 6 (m)				11,249	11,349	11,249			
Cota Camada 7 (m)				11,129	11,229	11,129			
Cota (m):		11,023	10,959	10,979	11,079	10,979	10,959	11,019	
E:		709.461,6193	709.461,7229	709.461,7232	709.461,8862	709.462,0491	709.462,0494	709.462,1469	
N:		7.089.567,8112	7.089.564,6325	7.089.564,6225	7.089.559,6250	7.089.554,6278	7.089.554,6178	7.089.551,6294	
Station: 19+0									
Dist. Eixo (m):		-8,189	-5,010	-5,000	0,000	5,000	5,010	8,000	
Cota Camada 1 (m)				11,354	11,454	11,354			
Cota Camada 3 (m)				11,274	11,374	11,274			
Cota Camada 6 (m)				11,234	11,334	11,234			
Cota Camada 7 (m)				11,114	11,214	11,114			
Cota (m):		11,008	10,944	10,964	11,064	10,964	10,944	11,004	
E:		709.471,6140	709.471,7176	709.471,7179	709.471,8809	709.472,0438	709.472,0441	709.472,1416	
N:		7.089.568,1355	7.089.564,9582	7.089.564,9482	7.089.559,9509	7.089.554,9535	7.089.554,9436	7.089.551,9551	
Station: 19+1									
Dist. Eixo (m):		-8,187	-5,009	-4,999	0,000	5,000	5,010	6,200	6,318
Cota Camada 1 (m)				11,352	11,452	11,352			
Cota Camada 3 (m)				11,272	11,372	11,272			
Cota Camada 6 (m)				11,232	11,332	11,232			
Cota Camada 7 (m)				11,112	11,212	11,112			
Cota (m):		11,006	10,942	10,962	11,062	10,962	10,942	10,966	11,448
E:		709.472,8220	709.472,9256	709.472,9259	709.473,0888	709.473,2518	709.473,2521	709.473,2909	709.473,2947
N:		7.089.568,1747	7.089.564,9976	7.089.564,9876	7.089.559,9905	7.089.554,9932	7.089.554,9829	7.089.553,7935	7.089.553,6755
Station: 19+6									
Dist. Eixo (m):		-6,251	-5,061	-5,051	0,000	7,011	7,021	8,211	
Cota Camada 1 (m)				11,344	11,445	11,305			
Cota Camada 3 (m)				11,264	11,365	11,225			
Cota Camada 6 (m)				11,224	11,325	11,185			
Cota Camada 7 (m)				11,104	11,205	11,065			
Cota (m):		10,958	10,934	10,954	11,055	10,915	10,895	10,919	
E:		709.477,7569	709.477,8222	709.477,8227	709.478,0996	709.478,4841	709.478,4846	709.478,5499	
N:		7.089.566,5068	7.089.565,3184	7.089.565,3084	7.089.560,2654	7.089.553,2647	7.089.553,2547	7.089.552,0665	
Desenho Esquemático:									
PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 20+5									
Dist. Eixo (m):		-7,473	-5,010		0,000		5,007	8,007	
Cota (m):		10,613	10,564				10,564	10,624	
E:		709.497,3057	709.497,3613		709.497,4744		709.497,5875	709.497,6553	
N:		7.089.568,8005	7.089.566,3381		7.089.561,3293		7.089.556,3206	7.089.553,3200	
Station: 20+10									
Dist. Eixo (m):		-7,521	-5,009		0,000		5,011	8,038	
Cota (m):		10,565	10,514				10,514	10,575	
E:		709.501,6726	709.501,7293		709.501,8424		709.501,9555	709.502,0239	
N:		7.089.568,9470	7.089.566,4362		7.089.561,4280		7.089.556,4187	7.089.553,3924	
Station: 21+0									
Dist. Eixo (m):		-7,633	-5,008		0,000		5,012	8,098	
Cota (m):		10,470	10,417				10,417	10,479	
E:		709.511,6675	709.511,7268		709.511,8398		709.511,9530	709.512,0227	
N:		7.089.569,2849	7.089.566,6608		7.089.561,6538		7.089.556,6433	7.089.553,5581	
Station: 21+10									
Dist. Eixo (m):		-7,607	-5,007		0,000		5,013	8,158	
Cota (m):		10,390	10,338				10,338	10,401	
E:		709.521,6655	709.521,7242		709.521,8373		709.521,9505	709.522,0215	
N:		7.089.569,4844	7.089.566,8853		7.089.561,8795		7.089.556,8679	7.089.553,7239	
Station: 22+0									
Dist. Eixo (m):		-7,624	-5,006		0,000		5,014	8,218	
Cota (m):		10,347	10,295				10,295	10,359	
E:		709.531,6626	709.531,7217		709.531,8347		709.531,9479	709.532,0203	
N:		7.089.569,7274	7.089.567,1099		7.089.562,1053		7.089.557,0925	7.089.553,8896	
Station: 22+10									
Dist. Eixo (m):		-7,695	-5,005		0,000		5,015	8,122	
Cota (m):		10,327	10,273				10,273	10,335	
E:		709.541,6584	709.541,7192		709.541,8322		709.541,9454	709.542,0156	
N:		7.089.570,0241	7.089.567,3345		7.089.562,3311		7.089.557,3171	7.089.554,2115	
Station: 23+0									
Dist. Eixo (m):		-7,722	-5,003		0,000		5,017	8,044	
Cota (m):		10,307	10,253				10,253	10,313	
E:		709.551,6553	709.551,7167		709.551,8296		709.551,9429	709.552,0113	
N:		7.089.570,2766	7.089.567,5591		7.089.562,5569		7.089.557,5416	7.089.554,5145	
Station: 23+10									
Dist. Eixo (m):		-7,746	-5,002		0,000		5,018	8,007	
Cota (m):		10,295	10,240				10,240	10,300	
E:		709.561,6522	709.561,7141		709.561,8271		709.561,9404	709.562,0079	
N:		7.089.570,5268	7.089.567,7837		7.089.562,7827		7.089.557,7662	7.089.554,7778	
Station: 24+0									
Dist. Eixo (m):		-7,826	-5,001		0,000		5,019	7,969	
Cota (m):		10,312	10,256				10,256	10,315	
E:		709.571,6479	709.571,7116		709.571,8245		709.571,9379	709.572,0045	
N:		7.089.570,8320	7.089.568,0083		7.089.563,0084		7.089.557,9908	7.089.555,0410	

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Station: 24+10										
Dist. Eixo (m):			-7,971	-5,000		0,000		5,020	7,932	
Cota (m):			10,332	10,272				10,272	10,330	
E:			709.581,6420	709.581,7091		709.581,8220		709.581,9353	709.582,0011	
N:			7.089.571,2032	7.089.568,2328		7.089.563,2342		7.089.558,2154	7.089.555,3043	
Station: 25+0										
Dist. Eixo (m):			-8,122	-4,999		0,000		5,021	7,896	
Cota (m):			10,298	10,235				10,235	10,292	
E:			709.591,6361	709.591,7066		709.591,8194		709.591,9328	709.591,9977	
N:			7.089.571,5796	7.089.568,4574		7.089.563,4600		7.089.558,4400	7.089.555,5659	
Station: 25+10										
Dist. Eixo (m):			-8,198	-4,998		0,000		5,022	7,826	
Cota (m):			10,247	10,183				10,182	10,238	
E:			709.601,6318	709.601,7041		709.601,8169		709.601,9303	709.601,9936	
N:			7.089.571,8816	7.089.568,6820		7.089.563,6858		7.089.558,6646	7.089.555,8621	
Station: 26+0										
Dist. Eixo (m):			-8,092	-4,996		0,000		5,024	7,747	
Cota (m):			10,210	10,148				10,148	10,202	
E:			709.611,6316	709.611,7015		709.611,8143		709.611,9278	709.611,9892	
N:			7.089.572,0017	7.089.568,9066		7.089.563,9116		7.089.558,8891	7.089.556,1669	
Station: 26+10										
Dist. Eixo (m):			-8,172	-4,995		0,000		5,025	7,742	
Cota (m):			10,176	10,112				10,111	10,166	
E:			709.621,6273	709.621,6990		709.621,8118		709.621,9252	709.621,9866	
N:			7.089.572,3070	7.089.569,1312		7.089.564,1373		7.089.559,1137	7.089.556,3972	
Station: 27+0										
Dist. Eixo (m):			-8,162	-4,994		0,000		5,026	7,635	
Cota (m):			10,134	10,071				10,070	10,123	
E:			709.631,6250	709.631,6965		709.631,8092		709.631,9227	709.631,9816	
N:			7.089.572,5231	7.089.569,3558		7.089.564,3631		7.089.559,3383	7.089.556,7304	
Station: 27+10										
Dist. Eixo (m):			-8,132	-4,993		0,000		5,027	7,527	
Cota (m):			10,078	10,015				10,014	10,064	
E:			709.641,6231	709.641,6940		709.641,8067		709.641,9202	709.641,9766	
N:			7.089.572,7192	7.089.569,5803		7.089.564,5889		7.089.559,5629	7.089.557,0636	
Desenho Esquemático:										
PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET	
Station: 28+0										
Dist. Eixo (m):			-8,105	-4,992		0,000		5,028	7,420	
Cota (m):			10,045	9,982				9,982	10,029	
E:			709.651,6211	709.651,6914		709.651,8041		709.651,9177	709.651,9717	
N:			7.089.572,9178	7.089.569,8049		7.089.564,8147		7.089.559,7875	7.089.557,3969	
Station: 28+10										
Dist. Eixo (m):			-10,000	-5,589		0,000		5,433	9,608	
Cota (m):			10,105	10,016				10,020	10,103	
E:			709.661,5758	709.661,6754		709.661,8016		709.661,9243	709.662,0185	
N:			7.089.575,0379	7.089.570,6279		7.089.565,0405		7.089.559,6090	7.089.555,4347	
Station: 29+10										
Dist. Eixo (m):			-9,121	-5,010		0,000		4,698	7,711	
Cota (m):			10,291	10,209				10,215	10,275	
E:			709.681,4771	709.681,6187		709.681,7913		709.681,9531	709.682,0569	
N:			7.089.574,7909	7.089.570,6828		7.089.565,6757		7.089.560,9802	7.089.557,9691	
Station: 30+0										
Dist. Eixo (m):			-7,984	-5,010		0,000		4,762	7,484	
Cota (m):			10,324	10,264				10,269	10,324	
E:			709.691,5103	709.691,6128		709.691,7853		709.691,9493	709.692,0431	
N:			7.089.573,9996	7.089.571,0272		7.089.566,0202		7.089.561,2613	7.089.558,5407	
Station: 30+10										
Dist. Eixo (m):			-7,902	-5,010		0,000		4,867	7,648	
Cota (m):			10,361	10,303				10,306	10,362	
E:			709.701,5072	709.701,6068		709.701,7794		709.701,9470	709.702,0428	
N:			7.089.574,2617	7.089.571,3716		7.089.566,3646		7.089.561,5003	7.089.558,7207	
Station: 31+0										
Dist. Eixo (m):			-7,794	-5,010		0,000		4,961	7,782	
Cota (m):			10,367	10,312				10,313	10,369	
E:			709.711,5050	709.711,6009		709.711,7735		709.711,9443	709.712,0415	
N:			7.089.574,4979	7.089.571,7161		7.089.566,7090		7.089.561,7513	7.089.558,9317	
Station: 31+10										
Dist. Eixo (m):			-7,765	-5,010		0,000		5,011	7,829	
Cota (m):			10,358	10,303				10,303	10,359	
E:			709.721,5001	709.721,5950		709.721,7675		709.721,9401	709.722,0372	
N:			7.089.574,8143	7.089.572,0605		7.089.567,0535		7.089.562,0456	7.089.559,2291	
Station: 32+0										
Dist. Eixo (m):			-7,646	-5,010		0,000		5,081	7,766	
Cota (m):			10,329	10,276				10,275	10,329	
E:			709.731,4982	709.731,5890		709.731,7616		709.731,9359	709.732,0291	
N:			7.089.575,0391	7.089.572,4049		7.089.567,3979		7.089.562,3398	7.089.559,6369	
Station: 32+10										
Dist. Eixo (m):			-7,434	-4,919		0,000		5,100	7,723	
Cota (m):			10,300	10,250				10,246	10,299	
E:			709.741,4996	709.741,5862		709.741,7557		709.741,9313	709.742,0217	
N:			7.089.575,1718	7.089.572,6586		7.089.567,7423		7.089.562,6452	7.089.560,0239	

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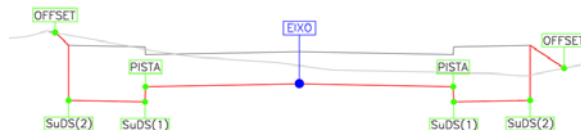
Station: 33+0										
Dist. Eixo (m):			-7,461	-4,888		0,000		5,119	7,604	
Cota (m):			10,272	10,221				10,216	10,266	
E:			709.751,4928	709.751,5814		709.751,7497		709.751,9260	709.752,0116	
N:			7.089.575,5429	7.089.572,9719		7.089.568,0868		7.089.562,9705	7.089.560,4875	
Station: 33+10										
Dist. Eixo (m):			-7,490	-4,857		0,000		5,139	8,219	
Cota (m):			10,244	10,192				10,186	10,248	
E:			709.761,4858	709.761,5765		709.761,7438		709.761,9208	709.762,0269	
N:			7.089.575,9169	7.089.573,2851		7.089.568,4312		7.089.563,2957	7.089.560,2167	
Station: 34+0										
Dist. Eixo (m):			-7,612	-4,826		0,000		5,177	7,886	
Cota (m):			10,218	10,162				10,155	10,210	
E:			709.771,4757	709.771,5716		709.771,7379		709.771,9162	709.772,0095	
N:			7.089.576,3826	7.089.573,5984		7.089.568,7756		7.089.563,6020	7.089.560,8948	
Station: 34+10										
Dist. Eixo (m):			-7,726	-4,795		0,000		5,234	7,949	
Cota (m):			10,192	10,133				10,124	10,179	
E:			709.781,4658	709.781,5668		709.781,7319		709.781,9122	709.782,0057	
N:			7.089.576,8415	7.089.573,9117		7.089.569,1201		7.089.563,8892	7.089.561,1761	
Station: 35+0										
Dist. Eixo (m):			-7,865	-4,763		0,000		5,291	8,063	
Cota (m):			10,166	10,104				10,093	10,149	
E:			709.791,4551	709.791,5619		709.791,7260		709.791,9082	709.792,0037	
N:			7.089.577,3249	7.089.574,2250		7.089.569,4645		7.089.564,1764	7.089.561,4066	
Station: 35+10										
Dist. Eixo (m):			-7,903	-4,733		0,000		5,348	8,134	
Cota (m):			10,138	10,075				10,063	10,118	
E:			709.801,4479	709.801,5571		709.801,7201		709.801,9043	709.802,0002	
N:			7.089.577,7070	7.089.574,5386		7.089.569,8089		7.089.564,4637	7.089.561,6792	
Station: 36+0										
Dist. Eixo (m):			-8,025	-4,706		0,000		5,406	8,068	
Cota (m):			10,112	10,046				10,032	10,085	
E:			709.811,4377	709.811,5520		709.811,7141		709.811,9003	709.811,9920	
N:			7.089.578,1737	7.089.574,8567		7.089.570,1533		7.089.564,7509	7.089.562,0900	
Desenho Esquemático:										
PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET	
Station: 36+10										
Dist. Eixo (m):			-8,372	-4,680		0,000		5,463	8,032	
Cota (m):			10,090	10,016				10,001	10,052	
E:			709.821,4198	709.821,5470		709.821,7082		709.821,8963	709.821,9849	
N:			7.089.578,8645	7.089.575,1748		7.089.570,4978		7.089.565,0381	7.089.562,4701	
Station: 37+0										
Dist. Eixo (m):			-7,803	-4,653		0,000		5,499	8,340	
Cota (m):			10,050	9,987				9,970	10,027	
E:			709.831,4335	709.831,5420		709.831,7023		709.831,8917	709.831,9895	
N:			7.089.578,6402	7.089.575,4929		7.089.570,8422		7.089.565,3464	7.089.562,5067	
Station: 37+10										
Dist. Eixo (m):			-7,897	-4,627		0,000		5,450	8,353	
Cota (m):			10,023	9,958				9,941	9,999	
E:			709.841,4243	709.841,5370		709.841,6963		709.841,8840	709.841,9840	
N:			7.089.579,0787	7.089.575,8109		7.089.571,1866		7.089.565,7397	7.089.562,8386	
Station: 38+0										
Dist. Eixo (m):			-7,782	-4,601		0,000		5,401	8,323	
Cota (m):			9,992	9,928				9,912	9,971	
E:			709.851,4224	709.851,5319		709.851,6904		709.851,8764	709.851,9771	
N:			7.089.579,3083	7.089.576,1290		7.089.571,5311		7.089.566,1330	7.089.563,2128	
Station: 39+0										
Dist. Eixo (m):			-8,472	-5,962		0,000		5,530	9,940	
Cota (m):			9,924	9,874				9,883	9,971	
E:			709.881,4707	709.881,5320		709.881,6777		709.881,8128	709.881,9206	
N:			7.089.580,8606	7.089.578,3516		7.089.572,3912		7.089.566,8629	7.089.562,4543	
Station: 40+0										
Dist. Eixo (m):			-7,915	-4,973		0,000		5,047	8,182	
Cota (m):			9,647	9,588				9,586	9,649	
E:			709.891,4813	709.891,5532		709.891,6747		709.891,7980	709.891,8747	
N:			7.089.580,5481	7.089.577,6073		7.089.572,6355		7.089.567,5901	7.089.564,4555	
Station: 40+10										
Dist. Eixo (m):			-7,910	-4,917		0,000		5,103	8,320	
Cota (m):			9,608	9,548				9,544	9,608	
E:			709.901,4784	709.901,5516		709.901,6717		709.901,7964	709.901,8750	
N:			7.089.580,7878	7.089.577,7952		7.089.572,8799		7.089.567,7780	7.089.564,5620	
Station: 41+0										
Dist. Eixo (m):			-7,846	-4,860		0,000		5,160	8,275	
Cota (m):			9,573	9,514				9,508	9,570	
E:			709.911,4770	709.911,5500		709.911,6687		709.911,7948	709.911,8709	
N:			7.089.580,9682	7.089.577,9830		7.089.573,1243		7.089.567,9658	7.089.564,8519	
Station: 41+10										
Dist. Eixo (m):			-7,839	-4,804		0,000		5,217	8,232	
Cota (m):			9,517	9,457				9,448	9,509	
E:			709.921,4742	709.921,5484		709.921,6657		709.921,7932	709.921,8669	
N:			7.089.581,2055	7.089.578,1708		7.089.573,3687		7.089.568,1537	7.089.565,1390	

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Station: 42+0										
Dist. Eixo (m):			-7,510	-4,747		0,000		5,273	8,301	
Cota (m):			9,455	9,400				9,389	9,450	
E:			709.931,4792	709.931,5468		709.931,6628		709.931,7916	709.931,8656	
N:			7.089.581,1211	7.089.578,3587		7.089.573,8130		7.089.568,3415	7.089.565,3148	
Station: 42+10										
Dist. Eixo (m):			-7,437	-4,690		0,000		5,330	8,201	
Cota (m):			9,390	9,336				9,323	9,380	
E:			709.941,4780	709.941,5451		709.941,6598		709.941,7900	709.941,8602	
N:			7.089.581,2924	7.089.578,5465		7.089.573,8574		7.089.568,5293	7.089.565,6587	
Station: 43+0										
Dist. Eixo (m):			-7,481	-4,634		0,000		5,386	8,304	
Cota (m):			9,363	9,306				9,291	9,350	
E:			709.951,4740	709.951,5435		709.951,6568		709.951,7884	709.951,8597	
N:			7.089.581,5809	7.089.578,7343		7.089.574,1018		7.089.568,7172	7.089.565,8003	
Station: 43+10										
Dist. Eixo (m):			-7,525	-4,577		0,000		5,443	8,198	
Cota (m):			9,350	9,291				9,274	9,329	
E:			709.961,4699	709.961,5419		709.961,6538		709.961,7868	709.961,8541	
N:			7.089.581,8694	7.089.578,9222		7.089.574,3462		7.089.568,9050	7.089.566,1503	
Station: 44+0										
Dist. Eixo (m):			-7,570	-4,584		0,000		5,436	8,115	
Cota (m):			9,346	9,286				9,269	9,323	
E:			709.971,4658	709.971,5388		709.971,6508		709.971,7836	709.971,8491	
N:			7.089.582,1579	7.089.579,1737		7.089.574,5905		7.089.569,1565	7.089.566,4784	
Station: 44+10										
Dist. Eixo (m):			-7,614	-4,641		0,000		5,380	8,031	
Cota (m):			9,334	9,274				9,259	9,312	
E:			709.981,4618	709.981,5344		709.981,6478		709.981,7793	709.981,8441	
N:			7.089.582,4464	7.089.579,4742		7.089.574,8349		7.089.569,4570	7.089.566,8065	
Station: 45+0										
Dist. Eixo (m):			-7,691	-4,697		0,000		5,323	7,947	
Cota (m):			9,344	9,284				9,271	9,324	
E:			709.991,4569	709.991,5301		709.991,6448		709.991,7749	709.991,8390	
N:			7.089.582,7675	7.089.579,7747		7.089.575,0793		7.089.569,7575	7.089.567,1345	
Desenho Esquemático:										
PONTOS NOTÁVEIS		OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 45+10										
Dist. Eixo (m):			-7,786	-4,753		0,000		5,267	7,863	
Cota (m):			9,368	9,307				9,297	9,349	
E:			710.001,4516	710.001,5257		710.001,6419		710.001,7706	710.001,8340	
N:			7.089.583,1075	7.089.580,0752		7.089.575,3237		7.089.570,0581	7.089.567,4626	
Station: 46+0										
Dist. Eixo (m):			-7,908	-4,809		0,000		5,211	7,780	
Cota (m):			9,391	9,329				9,321	9,373	
E:			710.011,4456	710.011,5213		710.011,6389		710.011,7662	710.011,8290	
N:			7.089.583,4738	7.089.580,3757		7.089.575,5680		7.089.570,3586	7.089.567,7907	
Station: 46+10										
Dist. Eixo (m):			-7,927	-4,865		0,000		5,155	7,696	
Cota (m):			9,408	9,347				9,341	9,392	
E:			710.021,4422	710.021,5170		710.021,6359		710.021,7619	710.021,8239	
N:			7.089.583,7373	7.089.580,6763		7.089.575,8124		7.089.570,6591	7.089.568,1187	
Station: 47+0										
Dist. Eixo (m):			-7,938	-4,921		0,000		5,099	7,809	
Cota (m):			9,420	9,360				9,357	9,411	
E:			710.031,4389	710.031,5126		710.031,6329		710.031,7575	710.031,8237	
N:			7.089.583,9923	7.089.580,9768		7.089.576,0568		7.089.570,9596	7.089.568,2497	
Station: 47+10										
Dist. Eixo (m):			-7,950	-4,978		0,000		5,043	7,933	
Cota (m):			9,431	9,371				9,370	9,428	
E:			710.041,4356	710.041,5083		710.041,6299		710.041,7531	710.041,8238	
N:			7.089.584,2489	7.089.581,2773		7.089.576,3012		7.089.571,2601	7.089.568,3710	
Station: 47+15										
Dist. Eixo (m):			-7,961	-5,010		0,000		5,010	8,010	
Cota (m):			9,437	9,378				9,378	9,438	
E:			710.047,2115	710.047,2837		710.047,4061		710.047,5285	710.047,6018	
N:			7.089.584,4013	7.089.581,4509		7.089.576,4424		7.089.571,4339	7.089.568,4345	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA SÃO VENANCIO FORTUNATO

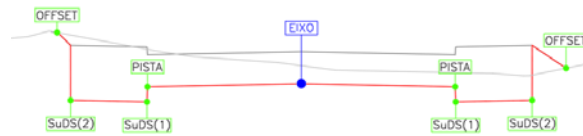
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0									
Dist. Eixo (m):		-12,657	-11,457	-11,447	0,000	13,177	13,187	14,377	
Cota Camada 1 (m)				10,414	10,643	10,379			
Cota Camada 3 (m)				10,334	10,563	10,299			
Cota Camada 6 (m)				10,294	10,523	10,259			
Cota Camada 7 (m)				10,174	10,403	10,139			
Cota (m):		9,828	9,804	10,024	10,253	9,989	9,769	9,793	
E:		709.681,8493	709.681,8799	709.681,8802	709.682,1726	709.682,5092	709.682,5094	709.682,5398	
N:		7.089.350,2506	7.089.349,0509	7.089.349,0409	7.089.337,5977	7.089.324,4250	7.089.324,4150	7.089.323,2254	
Station: 0+10									
Dist. Eixo (m):		-7,945	-7,652	-4,800	0,000	5,200	5,210	8,054	
Cota Camada 1 (m)				10,504	10,600	10,496			
Cota Camada 3 (m)				10,424	10,520	10,416			
Cota Camada 6 (m)				10,384	10,480	10,376			
Cota Camada 7 (m)				10,264	10,360	10,256			
Cota (m):		10,516	10,711	9,894	10,210	10,106	9,886	9,943	
E:		709.691,9664	709.691,9739	709.692,0464	709.692,0467	709.692,1693	709.692,3024	709.692,3750	
N:		7.089.345,7953	7.089.345,5023	7.089.342,6616	7.089.342,6516	7.089.332,6549	7.089.332,6449	7.089.329,8021	
Station: 1+0									
Dist. Eixo (m):		-7,568	-4,810	-4,800	0,000	5,200	5,210	8,016	
Cota Camada 1 (m)				10,462	10,558	10,454			
Cota Camada 3 (m)				10,382	10,478	10,374			
Cota Camada 6 (m)				10,342	10,438	10,334			
Cota Camada 7 (m)				10,222	10,318	10,214			
Cota (m):		9,907	9,852	10,072	10,168	10,064	9,844	9,900	
E:		709.701,9727	709.702,0432	709.702,0434	709.702,1660	709.702,2989	709.702,2991	709.702,3708	
N:		7.089.345,6745	7.089.342,9170	7.089.342,9070	7.089.338,1086	7.089.332,9103	7.089.332,9003	7.089.330,0953	
Station: 1+10									
Dist. Eixo (m):		-7,408	-4,810	-4,800	0,000	5,200	5,210	8,096	
Cota Camada 1 (m)				10,420	10,516	10,412			
Cota Camada 3 (m)				10,340	10,436	10,332			
Cota Camada 6 (m)				10,300	10,396	10,292			
Cota Camada 7 (m)				10,180	10,276	10,172			
Cota (m):		9,862	9,810	10,030	10,126	10,022	9,802	9,860	
E:		709.711,9736	709.712,0399	709.712,0402	709.712,1628	709.712,2956	709.712,2959	709.712,3696	
N:		7.089.345,7693	7.089.343,1725	7.089.343,1625	7.089.338,3640	7.089.333,1657	7.089.333,1557	7.089.330,2706	
Station: 2+0									
Dist. Eixo (m):		-7,511	-4,810	-4,800	0,000	5,200	5,210	8,048	
Cota Camada 1 (m)				10,378	10,474	10,370			
Cota Camada 3 (m)				10,298	10,394	10,290			
Cota Camada 6 (m)				10,258	10,354	10,250			
Cota Camada 7 (m)				10,138	10,234	10,130			
Cota (m):		9,822	9,768	9,988	10,084	9,980	9,760	9,817	
E:		709.721,9677	709.722,0367	709.722,0369	709.722,1595	709.722,2923	709.722,2926	709.722,3651	
N:		7.089.346,1277	7.089.343,4279	7.089.343,4179	7.089.338,6195	7.089.333,4212	7.089.333,4112	7.089.330,5740	
Station: 2+10									
Dist. Eixo (m):		-7,437	-4,810	-4,800	0,000	5,200	5,210	8,010	
Cota Camada 1 (m)				10,336	10,432	10,328			
Cota Camada 3 (m)				10,256	10,352	10,248			
Cota Camada 6 (m)				10,216	10,312	10,208			
Cota Camada 7 (m)				10,096	10,192	10,088			
Cota (m):		9,778	9,726	9,946	10,042	9,938	9,718	9,774	
E:		709.731,9663	709.732,0334	709.732,0336	709.732,1563	709.732,2891	709.732,2893	709.732,3609	
N:		7.089.346,3090	7.089.343,6833	7.089.343,6733	7.089.338,8749	7.089.333,6766	7.089.333,6666	7.089.330,8676	
Station: 3+0									
Dist. Eixo (m):		-7,266	-4,810	-4,800	0,000	5,200	5,210	7,985	8,170
Cota Camada 1 (m)				10,293	10,389	10,285			
Cota Camada 3 (m)				10,213	10,309	10,205			
Cota Camada 6 (m)				10,173	10,269	10,165			
Cota Camada 7 (m)				10,053	10,149	10,045			
Cota (m):		9,733	9,683	9,903	9,999	9,895	9,675	9,731	10,367
E:		709.741,9674	709.742,0301	709.742,0304	709.742,1530	709.742,2858	709.742,2861	709.742,3569	709.742,3617
N:		7.089.346,3937	7.089.343,9388	7.089.343,9288	7.089.339,1303	7.089.333,9320	7.089.333,9220	7.089.331,1484	7.089.330,9630
Station: 3+10									
Dist. Eixo (m):		-7,159	-7,086	-4,810	0,000	5,200	5,210	7,891	7,988
Cota Camada 1 (m)				10,251	10,347	10,243			
Cota Camada 3 (m)				10,171	10,267	10,163			
Cota Camada 6 (m)				10,131	10,227	10,123			
Cota Camada 7 (m)				10,011	10,107	10,003			
Cota (m):		10,520	10,447	9,641	9,957	9,853	9,633	9,687	10,382
E:		709.751,9669	709.751,9687	709.752,0269	709.752,1497	709.752,2826	709.752,2828	709.752,3513	709.752,3538
N:		7.089.346,5424	7.089.346,4695	7.089.344,1942	7.089.339,3858	7.089.334,1875	7.089.334,1775	7.089.331,4978	7.089.331,4005
Station: 4+0									
Dist. Eixo (m):		-7,796	-7,610	-4,810	0,000	5,200	5,210	7,745	7,771
Cota Camada 1 (m)				10,209	10,305	10,201			
Cota Camada 3 (m)				10,129	10,225	10,121			
Cota Camada 6 (m)				10,089	10,185	10,081			
Cota Camada 7 (m)				9,969	10,065	9,961			
Cota (m):		10,602	10,415	9,599	9,915	9,811	9,591	9,642	10,385
E:		709.761,9473	709.761,9521	709.762,0236	709.762,1465	709.762,2793	709.762,2795	709.762,3443	709.762,3450
N:		7.089.347,4345	7.089.347,2483	7.089.344,4496	7.089.339,6412	7.089.334,4429	7.089.334,4329	7.089.331,8983	7.089.331,8724

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA SÃO VENANCIO FORTUNATO

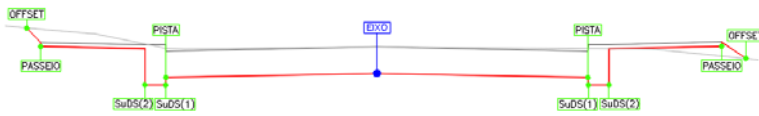
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	OFFSET
Station: 4+10									
Dist. Eixo (m):	-7,645	-7,635	-4,810	-4,800	0,000	5,200	5,210	7,563	7,593
Cota Camada 1 (m)				10,167	10,263	10,159			
Cota Camada 3 (m)				10,087	10,183	10,079			
Cota Camada 6 (m)				10,047	10,143	10,039			
Cota Camada 7 (m)				9,927	10,023	9,919			
Cota (m):	10,367	9,613	9,557	9,777	9,873	9,769	9,549	9,596	10,336
E:	709.771,9479	709.771,9482	709.772,0203	709.772,0206	709.772,1432	709.772,2760	709.772,2763	709.772,3364	709.772,3371
N:	7.089.347,5392	7.089.347,5291	7.089.344,7051	7.089.344,6951	7.089.339,8966	7.089.334,6983	7.089.334,6883	7.089.332,3364	7.089.332,3065
Station: 5+0									
Dist. Eixo (m):	-7,835	-7,747	-4,810	-4,800	0,000	5,200	5,210	7,471	7,518
Cota Camada 1 (m)				10,125	10,221	10,117			
Cota Camada 3 (m)				10,045	10,141	10,037			
Cota Camada 6 (m)				10,005	10,101	9,997			
Cota Camada 7 (m)				9,885	9,981	9,877			
Cota (m):	10,275	10,333	9,515	9,735	9,831	9,727	9,507	9,552	10,280
E:	709.781,9398	709.781,9420	709.782,0171	709.782,0173	709.782,1399	709.782,2728	709.782,2730	709.782,3308	709.782,3320
N:	7.089.347,9844	7.089.347,8969	7.089.344,9605	7.089.344,9505	7.089.340,1521	7.089.334,9538	7.089.334,9438	7.089.332,6837	7.089.332,6364
Station: 5+10									
Dist. Eixo (m):	-7,977	-7,946	-4,810	-4,800	0,000	5,200	5,210	7,501	7,606
Cota Camada 1 (m)				10,083	10,179	10,075			
Cota Camada 3 (m)				10,003	10,099	9,995			
Cota Camada 6 (m)				9,963	10,059	9,955			
Cota Camada 7 (m)				9,843	9,939	9,835			
Cota (m):	10,274	10,295	9,473	9,693	9,789	9,685	9,465	9,510	10,200
E:	709.791,9329	709.791,9337	709.792,0138	709.792,0141	709.792,1367	709.792,2695	709.792,2698	709.792,3283	709.792,3310
N:	7.089.348,3823	7.089.348,3509	7.089.345,2160	7.089.345,2060	7.089.340,4075	7.089.335,2092	7.089.335,1992	7.089.332,9094	7.089.332,8042
Station: 5+19									
Dist. Eixo (m):	-7,629	-7,600	-4,810	-4,800	0,000	5,200	5,210	5,443	
Cota Camada 1 (m)				10,042	10,138	10,034			
Cota Camada 3 (m)				9,962	10,058	9,954			
Cota Camada 6 (m)				9,922	10,018	9,914			
Cota Camada 7 (m)				9,802	9,898	9,794			
Cota (m):	10,277	10,248	9,432	9,652	9,748	9,644	10,184	10,029	
E:	709.801,4667	709.801,4674	709.801,5387	709.801,5389	709.801,6615	709.801,7944	709.801,7946	709.801,8006	
N:	7.089.348,2774	7.089.348,2486	7.089.345,4593	7.089.345,4493	7.089.340,6509	7.089.335,4526	7.089.335,4426	7.089.335,2093	

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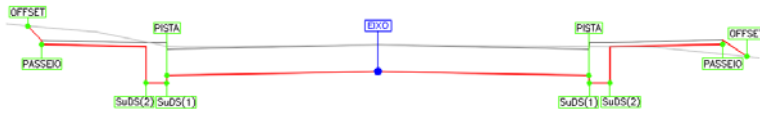
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO	OFFSET
Station: 0+0											
Dist. Eixo (m):	-11,209	-10,942	-10,477	-9,486	-9,476	0,000	12,972	12,982	13,972	14,000	
Cota Camada 1 (m)					10,782	10,859	10,794				
Cota Camada 3 (m)					10,702	10,779	10,714				
Cota Camada 6 (m)					10,662	10,739	10,674				
Cota Camada 7 (m)					10,542	10,619	10,554				
Cota (m):	10,783	10,961	10,202	10,182	10,392	10,469	10,404	10,194	10,214	10,945	
E:	709.672,7532	709.672,7599	709.672,7717	709.672,7966	709.672,7968	709.673,0353	709.673,3618	709.673,3621	709.673,3870	709.673,3877	
N:	7.089.653,3628	7.089.653,0961	7.089.652,6306	7.089.651,6407	7.089.651,6307	7.089.642,1572	7.089.629,1889	7.089.629,1789	7.089.628,1892	7.089.628,1617	
Station: 0+10											
Dist. Eixo (m):		-7,564	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	8,175	8,279
Cota Camada 1 (m)					10,735	10,835	10,735				
Cota Camada 3 (m)					10,655	10,755	10,655				
Cota Camada 6 (m)					10,615	10,715	10,615				
Cota Camada 7 (m)					10,495	10,595	10,495				
Cota (m):		10,836	10,155	10,135	10,345	10,445	10,345	10,135	10,155	10,848	10,879
E:		709.682,8418	709.682,8812	709.682,9061	709.682,9063	709.683,0322	709.683,1580	709.683,1583	709.683,1832	709.683,2379	709.683,2405
N:		7.089.649,9707	7.089.648,4072	7.089.647,4173	7.089.647,4073	7.089.642,4089	7.089.637,4105	7.089.637,4005	7.089.636,4108	7.089.634,2364	7.089.634,1329
Station: 1+0											
Dist. Eixo (m):		-7,726	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,996	8,051
Cota Camada 1 (m)					10,711	10,811	10,711				
Cota Camada 3 (m)					10,631	10,731	10,631				
Cota Camada 6 (m)					10,591	10,691	10,591				
Cota Camada 7 (m)					10,471	10,571	10,471				
Cota (m):		10,815	10,131	10,111	10,321	10,421	10,321	10,111	10,131	10,821	10,884
E:		709.692,8346	709.692,8780	709.692,9029	709.692,9032	709.693,0290	709.693,1548	709.693,1551	709.693,1800	709.693,2302	709.693,2316
N:		7.089.650,3837	7.089.648,6589	7.089.647,6690	7.089.647,6590	7.089.642,6606	7.089.637,6622	7.089.637,6522	7.089.636,6625	7.089.634,6668	7.089.634,6118
Station: 1+10											
Dist. Eixo (m):		-7,755	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,940	
Cota Camada 1 (m)					10,687	10,787	10,687				
Cota Camada 3 (m)					10,607	10,707	10,607				
Cota Camada 6 (m)					10,567	10,667	10,567				
Cota Camada 7 (m)					10,447	10,547	10,447				
Cota (m):		10,792	10,106	10,087	10,297	10,397	10,297	10,087	10,106	10,795	
E:		709.702,8307	709.702,8748	709.702,8997	709.702,9000	709.703,0258	709.703,1517	709.703,1519	709.703,1768	709.703,2257	
N:		7.089.650,6644	7.089.648,9106	7.089.647,9207	7.089.647,9107	7.089.642,9123	7.089.637,9139	7.089.637,9039	7.089.636,9142	7.089.634,9748	
Station: 2+0											
Dist. Eixo (m):		-7,865	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,885	7,969
Cota Camada 1 (m)					10,662	10,762	10,662				
Cota Camada 3 (m)					10,582	10,682	10,582				
Cota Camada 6 (m)					10,542	10,642	10,542				
Cota Camada 7 (m)					10,422	10,522	10,422				
Cota (m):		10,769	10,082	10,062	10,272	10,372	10,272	10,062	10,082	10,770	10,814
E:		709.712,8247	709.712,8716	709.712,8966	709.712,8968	709.713,0227	709.713,1485	709.713,1488	709.713,1737	709.713,2211	709.713,2232
N:		7.089.651,0268	7.089.649,1623	7.089.648,1724	7.089.648,1624	7.089.643,1640	7.089.638,1655	7.089.638,1555	7.089.637,1659	7.089.635,2810	7.089.635,1972
Station: 2+10											
Dist. Eixo (m):		-7,973	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,791	7,810
Cota Camada 1 (m)					10,638	10,738	10,638				
Cota Camada 3 (m)					10,558	10,658	10,558				
Cota Camada 6 (m)					10,518	10,618	10,518				
Cota Camada 7 (m)					10,398	10,498	10,398				
Cota (m):		10,747	10,058	10,038	10,248	10,348	10,248	10,038	10,058	10,744	10,831
E:		709.722,8188	709.722,8685	709.722,8934	709.722,8937	709.723,0195	709.723,1453	709.723,1456	709.723,1705	709.723,2156	709.723,2180
N:		7.089.651,3861	7.089.649,4139	7.089.648,4241	7.089.648,4141	7.089.643,4156	7.089.638,4172	7.089.638,4072	7.089.637,4175	7.089.635,6272	7.089.635,6084
Station: 3+0											
Dist. Eixo (m):		-8,007	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,904	
Cota Camada 1 (m)					10,614	10,714	10,614				
Cota Camada 3 (m)					10,534	10,634	10,534				
Cota Camada 6 (m)					10,494	10,594	10,494				
Cota Camada 7 (m)					10,374	10,474	10,374				
Cota (m):		10,724	10,034	10,014	10,224	10,324	10,224	10,014	10,034	10,722	
E:		709.732,8148	709.732,8653	709.732,8902	709.732,8905	709.733,0163	709.733,1422	709.733,1424	709.733,1673	709.733,2153	
N:		7.089.651,6722	7.089.649,6656	7.089.648,6757	7.089.648,6657	7.089.643,6673	7.089.638,6689	7.089.638,6589	7.089.637,6692	7.089.635,7659	
Station: 3+10											
Dist. Eixo (m):		-8,119	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	8,305	
Cota Camada 1 (m)					10,590	10,690	10,590				
Cota Camada 3 (m)					10,510	10,610	10,510				
Cota Camada 6 (m)					10,470	10,570	10,470				
Cota Camada 7 (m)					10,350	10,450	10,350				
Cota (m):		10,702	10,009	9,990	10,200	10,300	10,200	9,990	10,009	10,706	
E:		709.742,8088	709.742,8621	709.742,8871	709.742,8873	709.743,0132	709.743,1390	709.743,1392	709.743,1642	709.743,2222	
N:		7.089.652,0349	7.089.649,9173	7.089.648,9274	7.089.648,9174	7.089.643,9190	7.089.638,9206	7.089.638,9106	7.089.637,9209	7.089.635,6163	
Station: 4+0											
Dist. Eixo (m):		-8,164	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	8,321	
Cota Camada 1 (m)					10,565	10,665	10,565				
Cota Camada 3 (m)					10,485	10,585	10,485				
Cota Camada 6 (m)					10,445	10,545	10,445				
Cota Camada 7 (m)					10,325	10,425	10,325				
Cota (m):		10,678	9,985	9,965	10,175	10,275	10,175	9,965	9,985	10,682	
E:		709.752,8045	709.752,8590	709.752,8839	709.752,8842	709.753,0100	709.753,1358	709.753,1361	709.753,1610	709.753,2194	
N:		7.089.652,3316	7.089.650,1690	7.089.649,1791	7.089.649,1691	7.089.644,1707	7.089.639,1723	7.089.639,1623	7.089.638,1726	7.089.635,8527	

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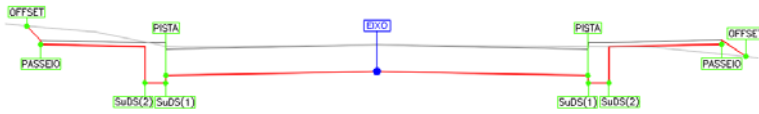
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO	OFFSET
Station: 4+10											
Dist. Eixo (m):		-8,209	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	8,336	
Cota Camada 1 (m)					10,541	10,641	10,541				
Cota Camada 3 (m)					10,461	10,561	10,461				
Cota Camada 6 (m)					10,421	10,521	10,421				
Cota Camada 7 (m)					10,301	10,401	10,301				
Cota (m):		10,655	9,961	9,941	10,151	10,251	10,151	9,941	9,961	10,658	
E:		709.762,8002	709.762,8558	709.762,8807	709.762,8810	709.763,0068	709.763,1327	709.763,1329	709.763,1578	709.763,2166	
N:		7.089.652,6283	7.089.650,4207	7.089.649,4308	7.089.649,4208	7.089.644,4224	7.089.639,4239	7.089.639,4139	7.089.638,4243	7.089.636,0891	
Station: 5+0											
Dist. Eixo (m):		-8,158	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	8,308	
Cota Camada 1 (m)					10,517	10,617	10,517				
Cota Camada 3 (m)					10,437	10,537	10,437				
Cota Camada 6 (m)					10,397	10,497	10,397				
Cota Camada 7 (m)					10,277	10,377	10,277				
Cota (m):		10,630	9,937	9,917	10,127	10,227	10,127	9,917	9,937	10,633	
E:		709.772,7983	709.772,8526	709.772,8776	709.772,8778	709.773,0037	709.773,1295	709.773,1297	709.773,1547	709.773,2127	
N:		7.089.652,8298	7.089.650,6723	7.089.649,6825	7.089.649,6725	7.089.644,6740	7.089.639,6756	7.089.639,6656	7.089.638,6759	7.089.636,3692	
Station: 5+10											
Dist. Eixo (m):		-8,181	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	8,203	
Cota Camada 1 (m)					10,493	10,593	10,493				
Cota Camada 3 (m)					10,413	10,513	10,413				
Cota Camada 6 (m)					10,373	10,473	10,373				
Cota Camada 7 (m)					10,253	10,353	10,253				
Cota (m):		10,606	9,913	9,893	10,103	10,203	10,103	9,893	9,913	10,607	
E:		709.782,7946	709.782,8495	709.782,8744	709.782,8746	709.783,0005	709.783,1263	709.783,1266	709.783,1515	709.783,2069	
N:		7.089.653,1044	7.089.650,9240	7.089.649,9341	7.089.649,9241	7.089.644,9257	7.089.639,9273	7.089.639,9173	7.089.638,9276	7.089.636,7258	
Station: 6+0											
Dist. Eixo (m):		-8,201	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	8,100	
Cota Camada 1 (m)					10,468	10,568	10,468				
Cota Camada 3 (m)					10,388	10,488	10,388				
Cota Camada 6 (m)					10,348	10,448	10,348				
Cota Camada 7 (m)					10,228	10,328	10,228				
Cota (m):		10,582	9,888	9,868	10,078	10,178	10,078	9,868	9,888	10,580	
E:		709.792,7909	709.792,8463	709.792,8712	709.792,8715	709.792,9973	709.793,1232	709.793,1234	709.793,1483	709.793,2012	
N:		7.089.653,3754	7.089.651,1757	7.089.650,1858	7.089.650,1758	7.089.645,1774	7.089.640,1790	7.089.640,1690	7.089.639,1793	7.089.637,0795	
Station: 6+10											
Dist. Eixo (m):		-8,195	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	8,061	
Cota Camada 1 (m)					10,440	10,540	10,440				
Cota Camada 3 (m)					10,360	10,460	10,360				
Cota Camada 6 (m)					10,320	10,420	10,320				
Cota Camada 7 (m)					10,200	10,300	10,200				
Cota (m):		10,554	9,860	9,840	10,050	10,150	10,050	9,840	9,860	10,551	
E:		709.802,7879	709.802,8431	709.802,8681	709.802,8683	709.802,9942	709.803,1200	709.803,1202	709.803,1452	709.803,1970	
N:		7.089.653,6211	7.089.651,4274	7.089.650,4375	7.089.650,4275	7.089.645,4291	7.089.640,4307	7.089.640,4207	7.089.639,4310	7.089.637,3702	
Station: 7+0											
Dist. Eixo (m):		-8,158	-8,087	-6,000	-5,010	0,000	5,000	5,010	6,000	8,080	
Cota Camada 1 (m)					10,397	10,497	10,397				
Cota Camada 3 (m)					10,317	10,417	10,317				
Cota Camada 6 (m)					10,277	10,377	10,277				
Cota Camada 7 (m)					10,157	10,257	10,157				
Cota (m):		10,562	10,609	9,817	9,797	10,107	10,007	9,797	9,817	10,509	
E:		709.812,7857	709.812,7874	709.812,8400	709.812,8649	709.812,9910	709.813,1168	709.813,1171	709.813,1420	709.813,1943	
N:		7.089.653,8358	7.089.653,7656	7.089.651,6791	7.089.650,6892	7.089.645,6808	7.089.640,6823	7.089.640,6723	7.089.639,6827	7.089.637,6036	
Station: 7+10											
Dist. Eixo (m):		-8,366	-8,057	-6,000	-5,010	0,000	5,000	5,010	6,000	8,098	
Cota Camada 1 (m)					10,344	10,444	10,344				
Cota Camada 3 (m)					10,264	10,364	10,264				
Cota Camada 6 (m)					10,224	10,324	10,224				
Cota Camada 7 (m)					10,104	10,204	10,104				
Cota (m):		10,349	10,455	9,764	9,744	10,054	9,954	9,744	9,764	10,456	
E:		709.822,7773	709.822,7850	709.822,8368	709.822,8617	709.822,9878	709.823,1137	709.823,1139	709.823,1388	709.823,1916	
N:		7.089.654,2960	7.089.653,9868	7.089.651,9307	7.089.650,9409	7.089.645,9324	7.089.640,9340	7.089.640,9240	7.089.639,9343	7.089.637,8370	
Station: 8+0											
Dist. Eixo (m):		-8,376	-8,040	-6,000	-5,010	0,000	5,000	5,010	6,000	7,258	7,428
Cota Camada 1 (m)					10,291	10,391	10,291				
Cota Camada 3 (m)					10,211	10,311	10,211				
Cota Camada 6 (m)					10,171	10,271	10,171				
Cota Camada 7 (m)					10,051	10,151	10,051				
Cota (m):		10,278	10,501	9,711	9,691	10,001	9,901	9,691	9,711	10,386	10,656
E:		709.832,7738	709.832,7823	709.832,8336	709.832,8586	709.832,9846	709.833,1105	709.833,1107	709.833,1357	709.833,1873	709.833,1716
N:		7.089.654,5574	7.089.654,2220	7.089.652,1824	7.089.651,1925	7.089.646,1841	7.089.641,1857	7.089.641,1757	7.089.640,1860	7.089.638,9284	7.089.638,7580
Station: 8+10											
Dist. Eixo (m):		-8,268	-8,024	-6,000	-5,010	0,000	5,000	5,010	6,000	7,328	
Cota Camada 1 (m)					10,237	10,337	10,237				
Cota Camada 3 (m)					10,157	10,257	10,157				
Cota Camada 6 (m)					10,117	10,217	10,117				
Cota Camada 7 (m)					9,997	10,097	9,997				
Cota (m):		10,284	10,447	9,657	9,637	9,947	9,847	9,637	9,657	10,334	
E:		709.842,7734	709.842,7795	709.842,8305	709.842,8554	709.842,9815	709.843,1073	709.843,1076	709.843,1325	709.843,1659	
N:		7.089.654,7014	7.089.654,4570	7.089.652,4341	7.089.651,4442	7.089.646,4358	7.089.641,4374	7.089.641,4274	7.089.640,4377	7.089.639,1102	

PREFEITURA MUNICIPAL DE JOINVILLE
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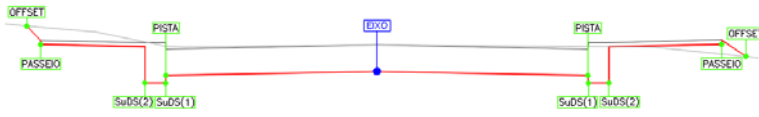
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO	OFFSET
Station: 9+0											
Dist. Eixo (m):	-8,372	-8,007	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,531	
Cota Camada 1 (m)					10,184	10,284	10,184				
Cota Camada 3 (m)					10,104	10,204	10,104				
Cota Camada 6 (m)					10,064	10,164	10,064				
Cota Camada 7 (m)					9,944	10,044	9,944				
Cota (m):	10,150	10,393	9,603	9,584	9,794	9,894	9,794	9,584	9,603	10,284	
E:	709.852,7676	709.852,7768	709.852,8273	709.852,8522	709.852,8525	709.852,9783	709.853,1042	709.853,1044	709.853,1293	709.853,1679	
N:	7.089.655,0564	7.089.654,6920	7.089.652,6858	7.089.651,6959	7.089.651,6859	7.089.646,6875	7.089.641,6891	7.089.641,6791	7.089.640,6894	7.089.639,1587	
Station: 9+4											
Dist. Eixo (m):	-8,412	-7,998	-5,999	-5,009	-4,999	0,000	5,000	5,010	6,000	7,678	7,760
Cota Camada 1 (m)					10,162	10,262	10,162				
Cota Camada 3 (m)					10,082	10,182	10,082				
Cota Camada 6 (m)					10,042	10,142	10,042				
Cota Camada 7 (m)					9,922	10,022	9,922				
Cota (m):	10,096	10,371	9,582	9,562	9,772	9,872	9,772	9,562	9,582	10,265	10,310
E:	709.856,8523	709.856,8627	709.856,9131	709.856,9380	709.856,9382	709.857,0641	709.857,1899	709.857,1902	709.857,2151	709.857,2573	709.857,2594
N:	7.089.655,2015	7.089.654,7880	7.089.652,7886	7.089.651,7988	7.089.651,7888	7.089.646,7903	7.089.641,7919	7.089.641,7819	7.089.640,7922	7.089.639,1152	7.089.639,0323
Station: 9+10											
Dist. Eixo (m):		-8,305	-8,305	-7,315	-7,305	0,000		6,393	6,403	7,393	
Cota Camada 1 (m)					10,177	10,230	0,390				
Cota Camada 3 (m)					10,097	10,150	0,310				
Cota Camada 6 (m)					10,057	10,110	0,270				
Cota Camada 7 (m)					9,937	9,990	0,150				
Cota (m):		10,247	9,597	9,577	9,787	9,840		9,806	9,596	9,616	
E:		709.862,5753	709.862,5753	709.862,6224	709.862,6229	709.862,9703		709.863,2744	709.863,2749	709.863,3220	
N:		7.089.655,3672	7.089.655,3670	7.089.654,3782	7.089.654,3682	7.089.647,0716		7.089.640,6855	7.089.640,6755	7.089.639,6866	
Station: 9+12											
Dist. Eixo (m):					-11,393	0,000	10,934				
Cota Camada 1 (m)					10,188	10,218	10,258				
Cota Camada 3 (m)					10,108	10,138	10,178				
Cota Camada 6 (m)					10,068	10,098	10,138				
Cota Camada 7 (m)					9,948	9,978	10,018				
Cota (m):					9,798	9,828	9,868				
E:					709.864,6419	709.865,1838	709.865,7039				
N:					7.089.658,5568	7.089.647,1770	7.089.636,2553				
Station: 10+2											
Dist. Eixo (m):		-13,887	-13,853	-12,863	-12,853	0,000	11,226	11,236	12,226	12,876	13,187
Cota Camada 1 (m)					10,196	10,220	10,276				
Cota Camada 3 (m)					10,116	10,140	10,196				
Cota Camada 6 (m)					10,076	10,100	10,156				
Cota Camada 7 (m)					9,956	9,980	10,036				
Cota (m):		10,343	9,716	9,596	9,806	9,830	9,886	9,676	9,696	10,359	10,252
E:		709.874,6796	709.874,6812	709.874,7283	709.874,7288	709.875,3401	709.875,8741	709.875,8746	709.875,9217	709.875,9526	709.875,9674
N:		7.089.661,5319	7.089.661,4977	7.089.660,5086	7.089.660,4986	7.089.647,6606	7.089.636,4469	7.089.636,4369	7.089.635,4480	7.089.634,7988	7.089.634,4890
Station: 10+10											
Dist. Eixo (m):	-8,575	-8,467	-6,005	-5,015	-5,005	0,000	5,006	5,016	6,006	8,105	8,289
Cota Camada 1 (m)					10,335	10,433	10,342				
Cota Camada 3 (m)					10,255	10,353	10,262				
Cota Camada 6 (m)					10,215	10,313	10,222				
Cota Camada 7 (m)					10,095	10,193	10,102				
Cota (m):	10,518	10,455	9,754	9,735	9,945	10,043	9,952	9,742	9,762	10,454	10,480
E:	709.882,5398	709.882,5449	709.882,6621	709.882,7092	709.882,7096	709.882,9477	709.883,1858	709.883,1863	709.883,2334	709.883,3332	709.883,3420
N:	7.089.656,5878	7.089.656,4805	7.089.654,0211	7.089.653,0320	7.089.653,0220	7.089.648,0229	7.089.643,0217	7.089.643,0117	7.089.642,0229	7.089.639,9263	7.089.639,7419
Station: 11+0											
Dist. Eixo (m):		-7,894	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	8,056	
Cota Camada 1 (m)					10,539	10,639	10,539				
Cota Camada 3 (m)					10,459	10,559	10,459				
Cota Camada 6 (m)					10,419	10,519	10,419				
Cota Camada 7 (m)					10,299	10,399	10,299				
Cota (m):		10,647	9,959	9,939	10,149	10,249	10,149	9,939	9,959	10,650	
E:		709.892,7010	709.892,7591	709.892,7894	709.892,7897	709.892,9430	709.893,0962	709.893,0965	709.893,1269	709.893,1899	
N:		7.089.656,2202	7.089.654,3270	7.089.653,3373	7.089.653,3273	7.089.648,3296	7.089.643,3320	7.089.643,3220	7.089.642,3324	7.089.640,2772	
Station: 11+10											
Dist. Eixo (m):		-8,106	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	8,001	
Cota Camada 1 (m)					10,598	10,698	10,598				
Cota Camada 3 (m)					10,518	10,618	10,518				
Cota Camada 6 (m)					10,478	10,578	10,478				
Cota Camada 7 (m)					10,358	10,458	10,358				
Cota (m):		10,709	10,017	9,998	10,208	10,308	10,208	9,998	10,017	10,707	
E:		709.902,8898	709.902,7544	709.902,7847	709.902,7850	709.902,9383	709.903,0915	709.903,0918	709.903,1222	709.903,1835	
N:		7.089.656,7382	7.089.654,6335	7.089.653,6438	7.089.653,6338	7.089.648,6361	7.089.643,6385	7.089.643,6285	7.089.642,6389	7.089.640,6390	
Station: 12+0											
Dist. Eixo (m):		-7,866	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,968	
Cota Camada 1 (m)					10,583	10,683	10,583				
Cota Camada 3 (m)					10,503	10,603	10,503				
Cota Camada 6 (m)					10,463	10,563	10,463				
Cota Camada 7 (m)					10,343	10,443	10,343				
Cota (m):		10,690	10,002	9,983	10,193	10,293	10,193	9,983	10,002	10,692	
E:		709.912,6925	709.912,7497	709.912,7800	709.912,7803	709.912,9336	709.913,0868	709.913,0871	709.913,1175	709.913,1778	
N:		7.089.656,8053	7.089.654,9400	7.089.653,9503	7.089.653,9403	7.089.648,9426	7.089.643,9450	7.089.643,9350	7.089.642,9454	7.089.640,9782	

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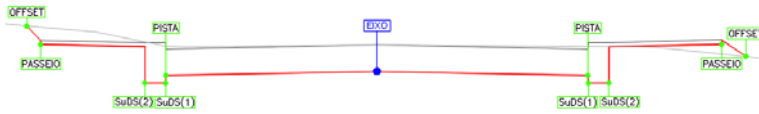
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO	OFFSET
Station: 12+10											
Dist. Eixo (m):		-7,704	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,928	
Cota Camada 1 (m)					10,568	10,668	10,568				
Cota Camada 3 (m)					10,488	10,588	10,488				
Cota Camada 6 (m)					10,448	10,548	10,448				
Cota Camada 7 (m)					10,328	10,428	10,328				
Cota (m):		10,671	9,987	9,968	10,178	10,278	10,178	9,968	9,987	10,676	
E:		709.922,6928	709.922,7450	709.922,7753	709.922,7756	709.922,9289	709.923,0821	709.923,0824	709.923,1128	709.923,1719	
N:		7.089.656,9498	7.089.655,2465	7.089.654,2568	7.089.654,2468	7.089.649,2491	7.089.644,2515	7.089.644,2415	7.089.643,2519	7.089.641,3249	
Station: 13+0											
Dist. Eixo (m):		-7,672	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,865	
Cota Camada 1 (m)					10,553	10,653	10,553				
Cota Camada 3 (m)					10,473	10,573	10,473				
Cota Camada 6 (m)					10,433	10,533	10,433				
Cota Camada 7 (m)					10,313	10,413	10,313				
Cota (m):		10,656	9,972	9,953	10,163	10,263	10,163	9,953	9,972	10,660	
E:		709.932,6891	709.932,7403	709.932,7706	709.932,7709	709.932,9242	709.933,0774	709.933,0777	709.933,1081	709.933,1653	
N:		7.089.657,2235	7.089.655,5530	7.089.654,5633	7.089.654,5533	7.089.649,5556	7.089.644,5580	7.089.644,5480	7.089.643,5584	7.089.641,6941	
Station: 13+10											
Dist. Eixo (m):		-7,782	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,476	7,607
Cota Camada 1 (m)					10,538	10,638	10,538				
Cota Camada 3 (m)					10,458	10,558	10,458				
Cota Camada 6 (m)					10,418	10,518	10,418				
Cota Camada 7 (m)					10,298	10,398	10,298				
Cota (m):		10,643	9,957	9,938	10,148	10,248	10,148	9,938	9,957	10,637	10,616
E:		709.942,6810	709.942,7356	709.942,7659	709.942,7662	709.942,9195	709.943,0727	709.943,0730	709.943,1034	709.943,1486	709.943,1526
N:		7.089.657,6405	7.089.655,8595	7.089.654,8697	7.089.654,8597	7.089.649,8621	7.089.644,8644	7.089.644,8545	7.089.643,8649	7.089.642,3900	7.089.642,2588
Station: 14+0											
Dist. Eixo (m):		-7,838	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,477	
Cota Camada 1 (m)					10,523	10,623	10,523				
Cota Camada 3 (m)					10,443	10,543	10,443				
Cota Camada 6 (m)					10,403	10,503	10,403				
Cota Camada 7 (m)					10,283	10,383	10,283				
Cota (m):		10,629	9,942	9,923	10,133	10,233	10,133	9,923	9,942	10,622	
E:		709.952,6746	709.952,7309	709.952,7612	709.952,7615	709.952,9148	709.953,0680	709.953,0683	709.953,0987	709.953,1440	
N:		7.089.658,0031	7.089.656,1660	7.089.655,1762	7.089.655,1662	7.089.650,1686	7.089.645,1709	7.089.645,1609	7.089.644,1714	7.089.642,6946	
Station: 14+10											
Dist. Eixo (m):		-7,976	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,511	7,626
Cota Camada 1 (m)					10,508	10,608	10,508				
Cota Camada 3 (m)					10,428	10,528	10,428				
Cota Camada 6 (m)					10,388	10,488	10,388				
Cota Camada 7 (m)					10,268	10,368	10,268				
Cota (m):		10,617	9,927	9,908	10,118	10,218	10,118	9,908	9,927	10,608	10,631
E:		709.962,6656	709.962,7262	709.962,7565	709.962,7568	709.962,9101	709.963,0633	709.963,0637	709.963,0940	709.963,1403	709.963,1438
N:		7.089.658,4473	7.089.656,4725	7.089.655,4827	7.089.655,4727	7.089.650,4751	7.089.645,4774	7.089.645,4674	7.089.644,4779	7.089.642,9677	7.089.642,8524
Station: 15+0											
Dist. Eixo (m):		-8,086	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,544	7,624
Cota Camada 1 (m)					10,493	10,593	10,493				
Cota Camada 3 (m)					10,413	10,513	10,413				
Cota Camada 6 (m)					10,373	10,473	10,373				
Cota Camada 7 (m)					10,253	10,353	10,253				
Cota (m):		10,604	9,912	9,893	10,103	10,203	10,103	9,893	9,912	10,593	10,773
E:		709.972,6576	709.972,7215	709.972,7518	709.972,7521	709.972,9054	709.973,0586	709.973,0590	709.973,0893	709.973,1366	709.973,1391
N:		7.089.658,8637	7.089.656,7790	7.089.655,7892	7.089.655,7792	7.089.650,7816	7.089.645,7839	7.089.645,7739	7.089.644,7844	7.089.643,2409	7.089.643,1608
Station: 15+10											
Dist. Eixo (m):		-8,129	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,578	7,645
Cota Camada 1 (m)					10,478	10,578	10,478				
Cota Camada 3 (m)					10,398	10,498	10,398				
Cota Camada 6 (m)					10,358	10,458	10,358				
Cota Camada 7 (m)					10,238	10,338	10,238				
Cota (m):		10,590	9,897	9,878	10,088	10,188	10,088	9,878	9,897	10,579	10,600
E:		709.982,6516	709.982,7168	709.982,7471	709.982,7475	709.982,9007	709.983,0539	709.983,0543	709.983,0846	709.983,1330	709.983,1350
N:		7.089.659,2131	7.089.657,0855	7.089.656,0957	7.089.656,0857	7.089.651,0881	7.089.646,0904	7.089.646,0804	7.089.645,0909	7.089.643,5140	7.089.643,4464
Station: 16+0											
Dist. Eixo (m):		-8,145	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,688	
Cota Camada 1 (m)					10,463	10,563	10,463				
Cota Camada 3 (m)					10,383	10,483	10,383				
Cota Camada 6 (m)					10,343	10,443	10,343				
Cota Camada 7 (m)					10,223	10,323	10,223				
Cota (m):		10,575	9,882	9,863	10,073	10,173	10,073	9,863	9,882	10,566	
E:		709.992,6464	709.992,7121	709.992,7424	709.992,7428	709.992,8960	709.993,0493	709.993,0496	709.993,0799	709.993,1316	
N:		7.089.659,5357	7.089.657,3920	7.089.656,4022	7.089.656,3922	7.089.651,3945	7.089.646,3969	7.089.646,3869	7.089.645,3974	7.089.643,7101	
Station: 16+10											
Dist. Eixo (m):		-8,157	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,828	
Cota Camada 1 (m)					10,448	10,548	10,448				
Cota Camada 3 (m)					10,368	10,468	10,368				
Cota Camada 6 (m)					10,328	10,428	10,328				
Cota Camada 7 (m)					10,208	10,308	10,208				
Cota (m):		10,560	9,867	9,848	10,058	10,158	10,058	9,848	9,867	10,554	
E:		710.002,6413	710.002,7074	710.002,7377	710.002,7381	710.002,8913	710.003,0446	710.003,0449	710.003,0752	710.003,1312	
N:		7.089.659,8540	7.089.657,6984	7.089.656,7087	7.089.656,6987	7.089.651,7010	7.089.646,7034	7.089.646,6934	7.089.645,7039	7.089.643,8763	

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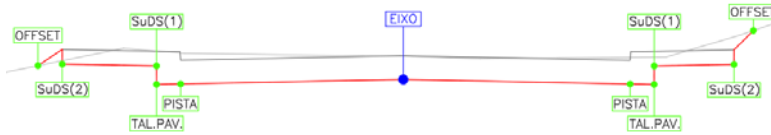
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	PASSEIO	SuDS(2)	SuDS(1)	PISTA	EIXO	PISTA	SuDS(1)	SuDS(2)	PASSEIO	OFFSET
Station: 17+0											
Dist. Eixo (m):		-8,142	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,992	
Cota Camada 1 (m)					10,433	10,533	10,433				
Cota Camada 3 (m)					10,353	10,453	10,353				
Cota Camada 6 (m)					10,313	10,413	10,313				
Cota Camada 7 (m)					10,193	10,293	10,193				
Cota (m):		10,545	9,852	9,833	10,043	10,143	10,043	9,833	9,852	10,542	
E:		710.012,6370	710.012,7027	710.012,7331	710.012,7334	710.012,8866	710.013,0399	710.013,0402	710.013,0705	710.013,1316	
N:		7.089.660,1462	7.089.658,0049	7.089.657,0152	7.089.657,0052	7.089.652,0075	7.089.647,0099	7.089.646,9999	7.089.646,0104	7.089.644,0194	
Station: 17+10											
Dist. Eixo (m):		-8,161	-6,000	-5,010	-5,000	0,000	5,000	5,010	6,000	7,964	
Cota Camada 1 (m)					10,418	10,518	10,418				
Cota Camada 3 (m)					10,338	10,438	10,338				
Cota Camada 6 (m)					10,298	10,398	10,298				
Cota Camada 7 (m)					10,178	10,278	10,178				
Cota (m):		10,531	9,837	9,818	10,028	10,128	10,028	9,818	9,837	10,527	
E:		710.022,6318	710.022,6980	710.022,7284	710.022,7287	710.022,8819	710.023,0352	710.023,0355	710.023,0658	710.023,1260	
N:		7.089.660,4714	7.089.658,3114	7.089.657,3217	7.089.657,3117	7.089.652,3140	7.089.647,3164	7.089.647,3064	7.089.646,3169	7.089.644,3541	
Station: 18+0											
Dist. Eixo (m):		-8,294	-8,144	-6,000	-5,010	0,000	5,000	5,010	6,000	7,935	8,118
Cota Camada 1 (m)					10,367	10,467	10,367				
Cota Camada 3 (m)					10,287	10,387	10,287				
Cota Camada 6 (m)					10,247	10,347	10,247				
Cota Camada 7 (m)					10,127	10,227	10,127				
Cota (m):		10,409	10,480	9,787	9,767	10,077	9,977	9,767	9,787	10,476	10,661
E:		710.032,6230	710.032,6276	710.032,6933	710.032,7237	710.032,8772	710.033,0305	710.033,0308	710.033,0611	710.033,1204	710.033,1260
N:		7.089.660,9107	7.089.660,7610	7.089.658,6179	7.089.657,6282	7.089.652,6205	7.089.647,6229	7.089.647,6129	7.089.646,6234	7.089.644,6889	7.089.644,5068
Station: 18+10											
Dist. Eixo (m):		-8,361	-8,056	-6,000	-5,010	0,000	5,000	5,010	6,000	7,928	8,073
Cota Camada 1 (m)					10,225	10,325	10,225				
Cota Camada 3 (m)					10,145	10,245	10,145				
Cota Camada 6 (m)					10,105	10,205	10,105				
Cota Camada 7 (m)					9,985	10,085	9,985				
Cota (m):		10,233	10,436	9,645	9,625	9,935	9,835	9,625	9,645	10,333	10,579
E:		710.042,6163	710.042,6256	710.042,6886	710.042,7190	710.042,8725	710.043,0258	710.043,0261	710.043,0564	710.043,1155	710.043,1200
N:		7.089.661,2837	7.089.660,9796	7.089.658,9244	7.089.657,9347	7.089.652,9270	7.089.647,9294	7.089.647,9194	7.089.646,9299	7.089.645,0027	7.089.644,8576
Station: 18+16											
Dist. Eixo (m):		-8,171	-8,002	-6,000	-5,010	0,000	5,000	5,010	6,000	8,001	8,145
Cota Camada 1 (m)					10,103	10,203	10,103				
Cota Camada 3 (m)					10,023	10,123	10,023				
Cota Camada 6 (m)					9,983	10,083	9,983				
Cota Camada 7 (m)					9,863	9,963	9,863				
Cota (m):		10,200	10,313	9,523	9,503	9,813	9,713	9,503	9,523	10,213	10,457
E:		710.048,7466	710.048,7517	710.048,8131	710.048,8434	710.048,9970	710.049,1502	710.049,1505	710.049,1809	710.049,2422	710.049,2466
N:		7.089.661,2815	7.089.661,1134	7.089.659,1122	7.089.658,1225	7.089.653,1148	7.089.648,1172	7.089.648,1072	7.089.647,1177	7.089.645,1176	7.089.644,9733

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA SEM DENOMINAÇÃO 04

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):	-5,395	-5,375	-2,909	-2,909	-2,511	0,000	2,962	3,360	3,360	4,213	4,396
Cota (m):	19,092	19,073	18,763	18,467	18,475	18,526	18,466	18,458	18,754	18,771	18,909
E:	709,258,1049	709,258,1070	709,258,3725	709,258,3725	709,258,4153	709,258,6856	709,259,0043	709,259,0472	709,259,0472	709,259,1389	709,259,1586
N:	7.090.573,3694	7.090.573,3496	7.090.570,8976	7.090.570,8976	7.090.570,5018	7.090.568,0054	7.090.565,0604	7.090.564,6648	7.090.564,6648	7.090.563,8172	7.090.563,6349
Station: 1+0											
Dist. Eixo (m):	-4,341	-3,925	-3,187	-3,187	-2,789	0,000	3,011	3,409	3,409	4,186	
Cota (m):	18,154	18,431	18,156	17,860	17,868	17,924	17,864	17,856	18,152	18,167	
E:	709,268,1603	709,268,2050	709,268,2845	709,268,2845	709,268,3273	709,268,6275	709,268,9515	709,268,9943	709,268,9943	709,269,0780	
N:	7.090.573,3972	7.090.572,9841	7.090.572,2503	7.090.572,2503	7.090.571,8545	7.090.569,0815	7.090.566,0882	7.090.565,6925	7.090.565,6925	7.090.564,9195	
Station: 1+0											
Dist. Eixo (m):	-4,224	-3,969	-3,193	-3,193	-2,795	0,000	3,005	3,403	3,403	4,160	4,222
Cota (m):	17,660	17,830	17,555	17,259	17,267	17,323	17,263	17,255	17,551	17,566	17,887
E:	709,278,1148	709,278,1422	709,278,2257	709,278,2257	709,278,2686	709,278,5694	709,278,8928	709,278,9356	709,278,9356	709,279,0171	709,279,0237
N:	7.090.574,3570	7.090.574,1038	7.090.573,3325	7.090.573,3325	7.090.572,9366	7.090.570,1577	7.090.567,1703	7.090.566,7746	7.090.566,7746	7.090.566,0219	7.090.565,9606
Station: 1+10											
Dist. Eixo (m):		-4,013	-3,199	-3,199	-2,801	0,000	3,061				
Cota (m):		16,969	16,953	16,657	16,665	16,721	16,660				
E:		709,288,0795	709,288,1670	709,288,1670	709,288,2099	709,288,5113	709,288,8407				
N:		7.090.575,2233	7.090.574,4146	7.090.574,4146	7.090.574,0187	7.090.571,2339	7.090.568,1910				
Station: 2+0											
Dist. Eixo (m):		-4,056	-3,205	-3,205	-2,807	0,000	2,993	3,391	3,391	4,386	4,440
Cota (m):		16,369	16,352	16,056	16,064	16,120	16,060	16,052	16,348	16,368	16,681
E:		709,298,0167	709,298,1083	709,298,1083	709,298,1511	709,298,4532	709,298,7753	709,298,8182	709,298,8182	709,298,9253	709,298,9310
N:		7.090.576,3430	7.090.575,4967	7.090.575,4967	7.090.575,1009	7.090.572,3101	7.090.569,3346	7.090.568,9389	7.090.568,9389	7.090.567,9495	7.090.567,8964
Station: 2+10											
Dist. Eixo (m):		-4,100	-3,211	-3,211	-2,813	0,000	2,987	3,385	3,385	4,263	4,569
Cota (m):		15,768	15,750	15,454	15,462	15,519	15,459	15,451	15,747	15,764	16,331
E:		709,307,9539	709,308,0496	709,308,0496	709,308,0924	709,308,3952	709,308,7166	709,308,7594	709,308,7595	709,308,8540	709,308,8869
N:		7.090.577,4628	7.090.576,5789	7.090.576,5789	7.090.576,1830	7.090.573,3863	7.090.570,4167	7.090.570,0211	7.090.570,0209	7.090.569,1480	7.090.568,8435
Station: 3+0											
Dist. Eixo (m):		-4,306	-4,217	-3,217	-3,217	0,000	2,981	3,379	3,379	4,466	
Cota (m):		15,422	15,482	15,202	14,906	14,971	14,911	14,903	15,199	15,220	
E:		709,317,8736	709,317,8833	709,317,9909	709,317,9909	709,318,0337	709,318,6579	709,318,7007	709,318,7007	709,318,8177	
N:		7.090.578,7439	7.090.578,6547	7.090.577,6610	7.090.577,6610	7.090.577,2652	7.090.571,4988	7.090.571,1032	7.090.571,1032	7.090.570,0228	
Station: 3+4											
Dist. Eixo (m):		-7,574	-5,359	-5,359	-4,961	0,000	6,706	7,104	7,104	7,255	
Cota (m):		15,178	15,134	14,838	14,846	14,819	15,188	15,180	15,476	15,478	
E:		709,321,7445	709,321,9829	709,321,9829	709,322,0257	709,322,5596	709,323,2813	709,323,3241	709,323,3241	709,323,3404	
N:		7.090.582,4496	7.090.580,2472	7.090.580,2472	7.090.579,8513	7.090.574,9196	7.090.568,2523	7.090.567,8566	7.090.567,8566	7.090.567,7063	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
SER. SIDNEI LOURENCI

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV	PISTA	EIXO	PISTA	TAL. PAV	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):					-2,734	0,000	3,000				
Cota Camada 1 (m)					13,002	13,056	12,996				
Cota Camada 3 (m)					12,922	12,976	12,916				
Cota Camada 6 (m)					12,882	12,936	12,876				
Cota Camada 7 (m)					12,762	12,816	12,756				
Cota (m):					12,612	12,666	12,606				
E:					709,282,9447	709,283,0528	709,283,1713				
N:					7,089,948,2478	7,089,945,5155	7,089,942,5178				
Station: 0+10											
Dist. Eixo (m):					-2,776	0,000	3,102				
Cota Camada 1 (m)					12,969	13,025	12,963				
Cota Camada 3 (m)					12,889	12,945	12,883				
Cota Camada 6 (m)					12,849	12,905	12,843				
Cota Camada 7 (m)					12,729	12,785	12,723				
Cota (m):					12,579	12,635	12,573				
E:					709,292,9352	709,293,0449	709,293,1675				
N:					7,089,948,6849	7,089,945,9106	7,089,942,8107				
Station: 0+20											
Dist. Eixo (m):					-2,850	0,000	3,183				
Cota Camada 1 (m)					12,936	12,993	12,930				
Cota Camada 3 (m)					12,856	12,913	12,850				
Cota Camada 6 (m)					12,816	12,873	12,810				
Cota Camada 7 (m)					12,696	12,753	12,690				
Cota (m):					12,546	12,603	12,540				
E:					709,302,9245	709,303,0371	709,303,1629				
N:					7,089,949,1535	7,089,946,3058	7,089,943,1251				
Station: 0+30											
Dist. Eixo (m):					-2,923	0,000	3,181				
Cota Camada 1 (m)					12,903	12,962	12,898				
Cota Camada 3 (m)					12,823	12,882	12,818				
Cota Camada 6 (m)					12,783	12,842	12,778				
Cota Camada 7 (m)					12,663	12,722	12,658				
Cota (m):					12,513	12,572	12,508				
E:					709,312,9138	709,313,0293	709,313,1550				
N:					7,089,949,6221	7,089,946,7010	7,089,943,5229				
Station: 0+40											
Dist. Eixo (m):					-2,927	0,000	3,142				
Cota Camada 1 (m)					12,872	12,930	12,868				
Cota Camada 3 (m)					12,792	12,850	12,788				
Cota Camada 6 (m)					12,752	12,810	12,748				
Cota Camada 7 (m)					12,632	12,690	12,628				
Cota (m):					12,482	12,540	12,478				
E:					709,322,9058	709,323,0215	709,323,1457				
N:					7,089,950,0208	7,089,947,0961	7,089,943,9565				
Station: 0+50											
Dist. Eixo (m):					-2,921	0,000	3,071				
Cota Camada 1 (m)					12,839	12,898	12,836				
Cota Camada 3 (m)					12,759	12,818	12,756				
Cota Camada 6 (m)					12,719	12,778	12,716				
Cota Camada 7 (m)					12,599	12,658	12,596				
Cota (m):					12,449	12,508	12,446				
E:					709,332,8983	709,333,0137	709,333,1350				
N:					7,089,950,4098	7,089,947,4913	7,089,944,4231				
Station: 0+60											
Dist. Eixo (m):					-2,865	0,000	2,998				
Cota Camada 1 (m)					12,688	12,745	12,693				
Cota Camada 3 (m)					12,608	12,665	12,613				
Cota Camada 6 (m)					12,568	12,625	12,573				
Cota Camada 7 (m)					12,448	12,505	12,453				
Cota (m):					12,298	12,355	12,303				
E:					709,342,8927	709,343,0059	709,343,1243				
N:					7,089,950,7491	7,089,947,8864	7,089,944,8911				
Station: 0+62											
Dist. Eixo (m):					-4,847	0,000	2,952				
Cota Camada 1 (m)					12,896	12,686	12,682				
Cota Camada 3 (m)					12,816	12,606	12,602				
Cota Camada 6 (m)					12,776	12,566	12,562				
Cota Camada 7 (m)					12,656	12,446	12,442				
Cota (m):					12,506	12,296	12,292				
E:					709,345,3632	709,345,5547	709,345,6714				
N:					7,089,952,8302	7,089,947,9872	7,089,945,0373				






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Relatório de auditoria final

2021-11-10

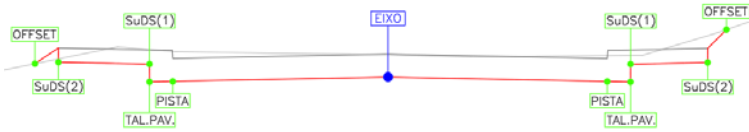
Criado em:	2021-11-10
Por:	Sirleide Dias (sirleide@engecorps.com.br)
Status:	Assinado
ID da transação:	CBJCHBCAABAAGYGLIT7I2Sly3__4ntmTtzQP7iwiMr-6

Histórico de "1439DGLR0015-04-Vol 03_Tomo III_Etapa 01_Parte 03"

-  Documento criado por Sirleide Dias (sirleide@engecorps.com.br)
2021-11-10 - 13:57:59 GMT- Endereço IP: 131.72.63.141
-  Documento enviado por email para Maria Bernardete Sousa Sender (bernadete@engecorps.com.br) para assinatura
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-  Email visualizado por Maria Bernardete Sousa Sender (bernadete@engecorps.com.br)
2021-11-10 - 15:42:43 GMT- Endereço IP: 201.87.155.154
-  Documento assinado eletronicamente por Maria Bernardete Sousa Sender (bernadete@engecorps.com.br)
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-  Contrato finalizado.
2021-11-10 - 15:43:03 GMT

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA SOELI A. USSINGER

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):	-12,549	-12,368	-11,566	-11,566	-11,168	0,000	11,718	12,116			
Cota Camada 1 (m)					14,548	14,419	14,182				
Cota Camada 3 (m)					14,468	14,339	14,102				
Cota Camada 6 (m)					14,428	14,299	14,062				
Cota Camada 7 (m)					14,308	14,179	13,942				
Cota (m):	14,601	14,721	14,245	14,149	14,158	14,029	13,792	13,784			
E:	709.457,3194	709.457,3244	709.457,3469	709.457,3469	709.457,3581	709.457,6712	709.457,9997	709.458,0108			
N:	7.090.499,7665	7.090.499,5860	7.090.498,7843	7.090.498,7843	7.090.498,3863	7.090.487,2228	7.090.475,5098	7.090.475,1120			
Station: 0+10											
Dist. Eixo (m):	-6,044	-6,034	-4,432	-4,432	-4,034	0,000	3,966	4,364	4,364	6,200	
Cota Camada 1 (m)					14,424	14,505	14,425				
Cota Camada 3 (m)					14,344	14,425	14,345				
Cota Camada 6 (m)					14,304	14,385	14,305				
Cota Camada 7 (m)					14,184	14,265	14,185				
Cota (m):	14,624	14,614	14,122	14,026	14,034	14,115	14,035	14,027	14,123	14,160	
E:	709.467,4978	709.467,4981	709.467,5430	709.467,5430	709.467,5541	709.467,6672	709.467,7784	709.467,7896	709.467,7896	709.467,8411	
N:	7.090.493,5445	7.090.493,5349	7.090.491,9333	7.090.491,9333	7.090.491,5353	7.090.487,5032	7.090.483,5385	7.090.483,1407	7.090.483,1407	7.090.481,3056	
Station: 1+0											
Dist. Eixo (m):	-6,213	-6,028	-4,423	-4,423	-4,025	0,000	3,975	4,373	4,373	6,200	
Cota Camada 1 (m)					14,510	14,591	14,511				
Cota Camada 3 (m)					14,430	14,511	14,431				
Cota Camada 6 (m)					14,390	14,471	14,391				
Cota Camada 7 (m)					14,270	14,351	14,271				
Cota (m):	14,885	14,700	14,208	14,112	14,120	14,201	14,121	14,113	14,209	14,246	
E:	709.477,4891	709.477,4943	709.477,5393	709.477,5393	709.477,5505	709.477,6633	709.477,7748	709.477,7859	709.477,7859	709.477,8372	
N:	7.090.493,9939	7.090.493,8095	7.090.492,2048	7.090.492,2048	7.090.491,8068	7.090.487,7835	7.090.483,8100	7.090.483,4122	7.090.483,4122	7.090.481,5836	
Station: 1+10											
Dist. Eixo (m):		-6,022	-4,414	-4,414	-4,016	0,000	3,984	4,382	4,382	6,208	6,355
Cota Camada 1 (m)					14,527	14,608	14,528				
Cota Camada 3 (m)					14,447	14,528	14,448				
Cota Camada 6 (m)					14,407	14,488	14,408				
Cota Camada 7 (m)					14,287	14,368	14,288				
Cota (m):		14,257	14,225	14,129	14,137	14,218	14,138	14,130	14,226	14,262	14,624
E:		709.487,4905	709.487,5356	709.487,5356	709.487,5468	709.487,6594	709.487,7711	709.487,7822	709.487,7822	709.487,8334	709.487,8375
N:		7.090.494,0839	7.090.492,4763	7.090.492,4763	7.090.492,0783	7.090.488,0639	7.090.484,0814	7.090.483,6836	7.090.483,6836	7.090.481,8582	7.090.481,7117
Station: 2+0											
Dist. Eixo (m):		-6,017	-4,405	-4,405	-4,007	0,000	3,993	4,391	4,391	6,160	6,616
Cota Camada 1 (m)					14,295	14,375	14,295				
Cota Camada 3 (m)					14,215	14,295	14,215				
Cota Camada 6 (m)					14,175	14,255	14,175				
Cota Camada 7 (m)					14,055	14,135	14,055				
Cota (m):		14,025	13,993	13,897	13,905	13,985	13,905	13,897	13,993	14,029	14,184
E:		709.497,4868	709.497,5319	709.497,5319	709.497,5431	709.497,6554	709.497,7674	709.497,7785	709.497,7785	709.497,8281	709.497,8409
N:		7.090.494,3585	7.090.492,7478	7.090.492,7478	7.090.492,3498	7.090.488,3443	7.090.484,3529	7.090.483,9551	7.090.483,9551	7.090.482,1870	7.090.481,7306
Station: 2+10											
Dist. Eixo (m):		-6,008	-4,396	-4,396	-3,998	0,000	4,002	4,400	4,400	6,124	6,472
Cota Camada 1 (m)					13,874	13,954	13,874				
Cota Camada 3 (m)					13,794	13,874	13,794				
Cota Camada 6 (m)					13,754	13,834	13,754				
Cota Camada 7 (m)					13,634	13,714	13,634				
Cota (m):		13,604	13,572	13,476	13,484	13,564	13,484	13,476	13,572	13,606	13,834
E:		709.507,4831	709.507,5283	709.507,5283	709.507,5394	709.507,6515	709.507,7637	709.507,7749	709.507,7749	709.507,8232	709.507,8330
N:		7.090.494,6301	7.090.493,0192	7.090.493,0192	7.090.492,6212	7.090.488,6246	7.090.484,6244	7.090.484,2266	7.090.484,2266	7.090.482,5031	7.090.482,1552
Station: 3+0											
Dist. Eixo (m):		-5,998	-4,387	-4,387	-3,989	0,000	4,011	4,409	4,409	6,080	6,293
Cota Camada 1 (m)					13,443	13,523	13,443				
Cota Camada 3 (m)					13,363	13,443	13,363				
Cota Camada 6 (m)					13,323	13,403	13,323				
Cota Camada 7 (m)					13,203	13,283	13,203				
Cota (m):		13,173	13,141	13,045	13,053	13,133	13,053	13,045	13,141	13,174	13,492
E:		709.517,4794	709.517,5246	709.517,5246	709.517,5357	709.517,6476	709.517,7600	709.517,7712	709.517,7712	709.517,8180	709.517,8240
N:		7.090.494,9011	7.090.493,2907	7.090.493,2907	7.090.492,8927	7.090.488,9050	7.090.484,8958	7.090.484,4980	7.090.484,4980	7.090.482,8272	7.090.482,6145
Station: 3+10											
Dist. Eixo (m):		-6,013	-4,379	-4,379	-3,980	0,000	4,020	4,418	4,418	6,036	6,096
Cota Camada 1 (m)					13,013	13,092	12,873				
Cota Camada 3 (m)					12,933	13,012	12,793				
Cota Camada 6 (m)					12,893	12,972	12,753				
Cota Camada 7 (m)					12,773	12,852	12,633				
Cota (m):		12,743	12,710	12,614	12,623	12,702	12,483	12,475	12,571	12,603	13,122
E:		709.527,4751	709.527,5209	709.527,5209	709.527,5321	709.527,6437	709.527,7563	709.527,7675	709.527,7675	709.527,8129	709.527,8146
N:		7.090.495,1958	7.090.493,5622	7.090.493,5622	7.090.493,1642	7.090.489,1854	7.090.485,1673	7.090.484,7695	7.090.484,7695	7.090.483,1513	7.090.483,0918
Station: 3+17											
Dist. Eixo (m):	-6,323	-6,305	-4,614	-4,614	-4,216	0,000	4,015	4,413	4,413	6,382	6,388
Cota Camada 1 (m)					12,580	12,788	12,627				
Cota Camada 3 (m)					12,500	12,708	12,547				
Cota Camada 6 (m)					12,460	12,668	12,507				
Cota Camada 7 (m)					12,340	12,548	12,387				
Cota (m):	12,790	12,772	12,278	12,182	12,190	12,398	12,237	12,229	12,325	12,365	12,386
E:	709.534,5180	709.534,5185	709.534,5659	709.534,5659	709.534,5771	709.534,6953	709.534,8079	709.534,8190	709.534,8190	709.534,8742	709.534,8744
N:	7.090.495,7042	7.090.495,6860	7.090.493,9953	7.090.493,9953	7.090.493,5973	7.090.489,3831	7.090.485,3699	7.090.484,9721	7.090.484,9721	7.090.483,0033	7.090.482,9973

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NOTA DE SERVIÇO
RUA SOELI A. USSINGER

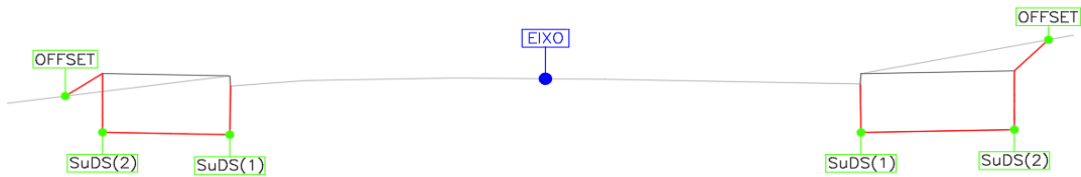
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 5+0											
Dist. Eixo (m):		-6,079	-4,477	-4,477	-4,079	0,000	3,921	4,319	4,319	5,921	
Cota Camada 1 (m)					12,481	12,563	12,484				
Cota Camada 3 (m)					12,401	12,483	12,404				
Cota Camada 6 (m)					12,361	12,443	12,364				
Cota Camada 7 (m)					12,241	12,323	12,244				
Cota (m):		12,211	12,179	12,083	12,091	12,173	12,094	12,086	12,182	12,214	
E:		709.557,4415	709.557,4908	709.557,4908	709.557,5030	709.557,6284	709.557,7490	709.557,7612	709.557,7612	709.557,8104	
N:		7.090.496,2145	7.090.494,6134	7.090.494,6134	7.090.494,2154	7.090.490,1383	7.090.486,2192	7.090.485,8214	7.090.485,8214	7.090.484,2202	
Station: 5+10											
Dist. Eixo (m):		-6,061	-4,459	-4,459	-4,061	0,000	3,939	4,337	4,337	5,938	
Cota Camada 1 (m)					12,555	12,636	12,557				
Cota Camada 3 (m)					12,475	12,556	12,477				
Cota Camada 6 (m)					12,435	12,516	12,437				
Cota Camada 7 (m)					12,315	12,396	12,317				
Cota (m):		12,285	12,253	12,157	12,165	12,246	12,167	12,159	12,255	12,287	
E:		709.567,4374	709.567,4866	709.567,4866	709.567,4988	709.567,6237	709.567,7448	709.567,7570	709.567,7570	709.567,8063	
N:		7.090.496,5041	7.090.494,9030	7.090.494,9030	7.090.494,5050	7.090.490,4457	7.090.486,5088	7.090.486,1110	7.090.486,1110	7.090.484,5101	
Station: 6+0											
Dist. Eixo (m):		-6,043	-4,442	-4,442	-4,043	0,000	3,957	4,355	4,355	5,930	
Cota Camada 1 (m)					12,628	12,709	12,630				
Cota Camada 3 (m)					12,548	12,629	12,550				
Cota Camada 6 (m)					12,508	12,589	12,510				
Cota Camada 7 (m)					12,388	12,469	12,390				
Cota (m):		12,358	12,326	12,230	12,238	12,319	12,240	12,232	12,328	12,359	
E:		709.577,4332	709.577,4824	709.577,4824	709.577,4947	709.577,6190	709.577,7406	709.577,7528	709.577,7528	709.577,8013	
N:		7.090.496,7936	7.090.495,1925	7.090.495,1925	7.090.494,7946	7.090.490,7531	7.090.486,7984	7.090.486,4006	7.090.486,4006	7.090.484,8260	
Station: 6+10											
Dist. Eixo (m):		-6,026	-4,424	-4,424	-4,025	0,000	3,975	4,372	4,372	5,959	
Cota Camada 1 (m)					12,702	12,782	12,703				
Cota Camada 3 (m)					12,622	12,702	12,623				
Cota Camada 6 (m)					12,582	12,662	12,583				
Cota Camada 7 (m)					12,462	12,542	12,463				
Cota (m):		12,432	12,400	12,304	12,312	12,392	12,313	12,305	12,401	12,432	
E:		709.587,4290	709.587,4782	709.587,4782	709.587,4905	709.587,6142	709.587,7364	709.587,7487	709.587,7487	709.587,7974	
N:		7.090.497,0832	7.090.495,4821	7.090.495,4821	7.090.495,0841	7.090.491,0606	7.090.487,0879	7.090.486,6902	7.090.486,6902	7.090.485,1043	
Station: 6+12											
Dist. Eixo (m):		-6,021	-4,420	-4,420	-4,021	0,000	3,979	4,377	4,377	5,966	
Cota Camada 1 (m)					12,719	12,799	12,719				
Cota Camada 3 (m)					12,639	12,719	12,639				
Cota Camada 6 (m)					12,599	12,679	12,599				
Cota Camada 7 (m)					12,479	12,559	12,479				
Cota (m):		12,448	12,416	12,320	12,329	12,409	12,329	12,321	12,417	12,449	
E:		709.589,7090	709.589,7582	709.589,7582	709.589,7705	709.589,8941	709.590,0164	709.590,0286	709.590,0286	709.590,0775	
N:		7.090.497,1493	7.090.495,5482	7.090.495,5482	7.090.495,1502	7.090.491,1307	7.090.487,1540	7.090.486,7562	7.090.486,7562	7.090.485,1677	

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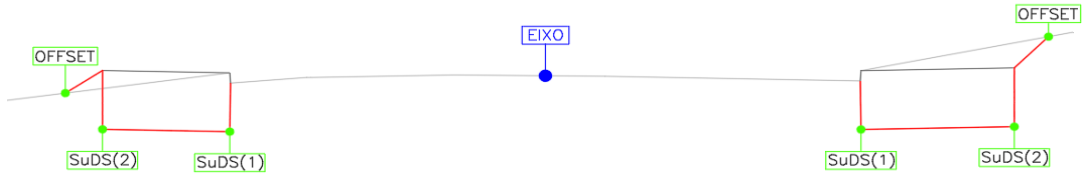
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0							
Dist. Eixo (m):		-9,230	-8,228	0,000	5,010	6,000	
Cota (m):		16,890	16,870		16,934	16,954	
E:		708.704,6223	708.703,6211	708.695,3972	708.690,3896	708.689,4001	
N:		7.090.849,2213	7.090.849,1903	7.090.848,9356	7.090.848,7805	7.090.848,7498	
Station: 0+10							
Dist. Eixo (m):		-6,005	-4,028	0,000	3,700	5,696	
Cota (m):		17,135	17,095		17,102	17,141	
E:		708.701,7088	708.699,7327	708.695,7068	708.692,0084	708.690,0140	
N:		7.090.839,1263	7.090.839,0651	7.090.838,9404	7.090.838,8258	7.090.838,7640	
Station: 1+0							
Dist. Eixo (m):		-6,016	-4,059	0,000	3,677	5,729	
Cota (m):		17,307	17,268		17,276	17,317	
E:		708.702,0298	708.700,0737	708.696,0165	708.692,3411	708.690,2904	
N:		7.090.829,1314	7.090.829,0708	7.090.828,9452	7.090.828,8313	7.090.828,7678	
Station: 1+10							
Dist. Eixo (m):		-6,028	-4,091	0,000	3,654	5,762	
Cota (m):		17,383	17,344		17,353	17,395	
E:		708.702,3509	708.700,4147	708.696,3261	708.692,6739	708.690,5668	
N:		7.090.819,1366	7.090.819,0766	7.090.818,9500	7.090.818,8368	7.090.818,7716	
Station: 2+0							
Dist. Eixo (m):		-6,039	-4,122	0,000	3,650	5,795	
Cota (m):		17,458	17,420		17,429	17,472	
E:		708.702,6719	708.700,7558	708.696,6357	708.692,9870	708.690,8432	
N:		7.090.809,1417	7.090.809,0824	7.090.808,9547	7.090.808,8417	7.090.808,7753	
Station: 2+10							
Dist. Eixo (m):		-6,050	-4,127	0,000	3,656	5,829	
Cota (m):		17,510	17,472		17,481	17,525	
E:		708.702,9928	708.701,0705	708.696,9453	708.693,2906	708.691,1196	
N:		7.090.799,1469	7.090.799,0873	7.090.798,9595	7.090.798,8463	7.090.798,7791	
Station: 3+0							
Dist. Eixo (m):		-6,060	-4,072	0,000	3,662	5,862	
Cota (m):		17,541	17,501		17,509	17,553	
E:		708.703,3125	708.701,3252	708.697,2549	708.693,5942	708.691,3959	
N:		7.090.789,1520	7.090.789,0904	7.090.788,9643	7.090.788,8509	7.090.788,7828	
Station: 3+10							
Dist. Eixo (m):		-6,071	-4,017	0,000	3,663	5,895	
Cota (m):		17,577	17,536		17,543	17,587	
E:		708.703,6322	708.701,5800	708.697,5645	708.693,9031	708.691,6723	
N:		7.090.779,1571	7.090.779,0935	7.090.778,9691	7.090.778,8557	7.090.778,7866	
Station: 4+0							
Dist. Eixo (m):		-6,095	-3,963	0,000	3,663	5,930	
Cota (m):		17,698	17,656		17,662	17,707	
E:		708.703,9666	708.701,8348	708.697,8741	708.694,2124	708.691,9467	
N:		7.090.769,1626	7.090.769,0966	7.090.768,9739	7.090.768,8605	7.090.768,7903	
Station: 4+10							
Dist. Eixo (m):		-6,221	-3,930	0,000	3,664	5,937	
Cota (m):		17,821	17,775		17,780	17,826	
E:		708.704,4013	708.702,1121	708.698,1838	708.694,5218	708.692,2494	
N:		7.090.759,1713	7.090.759,1004	7.090.758,9787	7.090.758,8653	7.090.758,7949	
Station: 5+0							
Dist. Eixo (m):		-6,296	-3,930	0,000	5,010	5,843	
Cota (m):		17,970	17,922		17,901	17,918	
E:		708.704,7863	708.702,4214	708.698,4934	708.693,4858	708.692,6534	
N:		7.090.749,1784	7.090.749,1052	7.090.748,9835	7.090.748,8284	7.090.748,8026	

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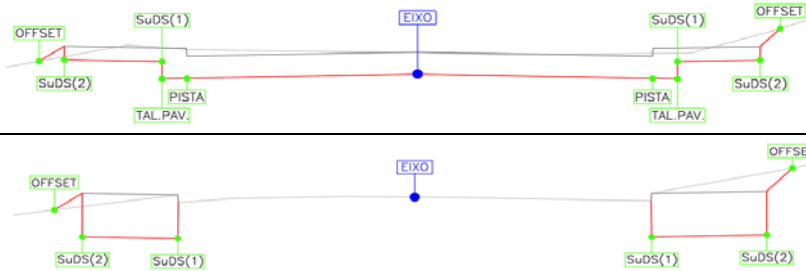
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Station: 5+10							
Dist. Eixo (m):		-6,387	-3,930	0,000	5,010	5,880	
Cota (m):		18,149	18,100		18,079	18,096	
E:		708.705,1866	708.702,7308	708.698,8030	708.693,7954	708.692,9257	
N:		7.090.739,1860	7.090.739,1100	7.090.738,9883	7.090.738,8332	7.090.738,8062	
Station: 6+0							
Dist. Eixo (m):		-6,543	-4,189	0,000	5,010	15,618	
Cota (m):		18,321	18,274		18,258	18,470	
E:		708.705,6525	708.703,3000	708.699,1126	708.694,1050	708.683,5018	
N:		7.090.729,1957	7.090.729,1228	7.090.728,9931	7.090.728,8380	7.090.728,5095	
Station: 6+10							
Dist. Eixo (m):		-7,922	-5,436	0,000	5,010	6,200	
Cota (m):		18,283	18,233		18,242	18,266	
E:		708.707,3408	708.704,8554	708.699,4222	708.694,4146	708.693,2252	
N:		7.090.719,2432	7.090.719,1662	7.090.718,9979	7.090.718,8428	7.090.718,8059	
Station: 6+14							
Dist. Eixo (m):		-12,504	-11,054	0,000	5,010	6,200	
Cota (m):		18,269	18,240		18,361	18,385	
E:		708.712,0721	708.710,6231	708.699,5742	708.694,5666	708.693,3772	
N:		7.090.714,4779	7.090.714,4331	7.090.714,0908	7.090.713,9357	7.090.713,8988	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA VALDEMAR LINHARES

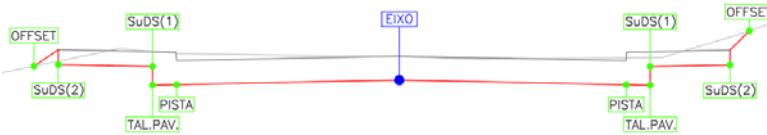
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):		-7,732	-6,259	-6,259	-5,402	0,000	5,000	5,857	5,857	7,801	
Cota Camada 1 (m)					14,963	15,071	14,971				
Cota Camada 6 (m)					14,923	15,031	14,931				
Cota Camada 7 (m)					14,773	14,881	14,781				
Cota Camada 8 (m)					14,623	14,731	14,631				
Cota (m):		14,400	14,370	14,106	14,123	14,231	14,131	14,114	14,378	14,417	
E:		708.298,66	708.298,67	708.298,6674	708.298,67	708.298,70	708.298,73	708.298,73	708.298,7315	708.298,74	
N:		7.090.690,85	7.090.689,38	7.090.689,3796	7.090.688,52	7.090.683,12	7.090.678,12	7.090.677,26	7.090.677,2632	7.090.675,32	
Station: 0+10											
Dist. Eixo (m):		-7,740	-6,150	-6,150	-5,293	0,000	5,085	5,942	5,942	8,112	
Cota Camada 1 (m)					15,030	15,136	15,034				
Cota Camada 6 (m)					14,990	15,096	14,994				
Cota Camada 7 (m)					14,840	14,946	14,844				
Cota Camada 8 (m)					14,690	14,796	14,694				
Cota (m):		14,469	14,437	14,173	14,190	14,296	14,194	14,177	14,442	14,485	
E:		708.308,66	708.308,67	708.308,6678	708.308,67	708.308,70	708.308,73	708.308,73	708.308,7318	708.308,74	
N:		7.090.690,91	7.090.689,32	7.090.689,3235	7.090.688,47	7.090.683,17	7.090.678,09	7.090.677,23	7.090.677,2311	7.090.675,06	
Station: 1+0											
Dist. Eixo (m):		-8,178	-6,041	-6,041	-5,184	0,000	5,410	6,267	6,267	8,427	
Cota Camada 1 (m)					15,058	15,162	15,054				
Cota Camada 6 (m)					15,018	15,122	15,014				
Cota Camada 7 (m)					14,868	14,972	14,864				
Cota Camada 8 (m)					14,718	14,822	14,714				
Cota (m):		14,508	14,465	14,201	14,218	14,322	14,214	14,197	14,461	14,504	
E:		708.318,66	708.318,67	708.318,6682	708.318,67	708.318,70	708.318,73	708.318,73	708.318,7334	708.318,74	
N:		7.090.691,40	7.090.689,27	7.090.689,2673	7.090.688,41	7.090.683,23	7.090.677,82	7.090.676,96	7.090.676,9591	7.090.674,80	
Station: 1+10											
Dist. Eixo (m):		-8,740	-5,932	-5,932	-5,075	0,000	5,735	6,592	6,592	8,743	
Cota Camada 1 (m)					15,082	15,184	15,069				
Cota Camada 6 (m)					15,042	15,144	15,029				
Cota Camada 7 (m)					14,892	14,994	14,879				
Cota Camada 8 (m)					14,742	14,844	14,729				
Cota (m):		14,545	14,489	14,225	14,242	14,344	14,229	14,212	14,476	14,519	
E:		708.328,65	708.328,67	708.328,6687	708.328,67	708.328,70	708.328,73	708.328,74	708.328,7350	708.328,75	
N:		7.090.692,02	7.090.689,21	7.090.689,2112	7.090.688,35	7.090.683,28	7.090.677,54	7.090.676,69	7.090.676,6872	7.090.674,54	
Station: 1+13											
Dist. Eixo (m):		-8,980	-6,014	-6,014	-5,157	0,000	5,862	6,719	6,719	8,866	
Cota Camada 1 (m)					15,089	15,192	15,075				
Cota Camada 6 (m)					15,049	15,152	15,035				
Cota Camada 7 (m)					14,899	15,002	14,885				
Cota Camada 8 (m)					14,749	14,852	14,735				
Cota (m):		14,555	14,496	14,232	14,249	14,352	14,235	14,218	14,482	14,525	
E:		708.332,56	708.332,57	708.332,5742	708.332,58	708.332,61	708.332,64	708.332,64	708.332,6416	708.332,65	
N:		7.090.692,28	7.090.689,31	7.090.689,3136	7.090.688,46	7.090.683,30	7.090.677,44	7.090.676,58	7.090.676,5809	7.090.674,43	
Station: 3+0											
Dist. Eixo (m):						0,000m			5,904	9,237	
Cota (m):									14,449	14,516	
E:						708.358,6597			708.359,01	708.359,20	
N:						7.090.684,6804			7.090.678,79	7.090.675,46	
Station: 3+10											
Dist. Eixo (m):		-8,786	-5,235			0,000m			5,761	9,285	
Cota (m):		14,484	14,413						14,403	14,473	
E:		708.368,12	708.368,33			708.368,6423			708.368,98	708.369,19	
N:		7.090.694,04	7.090.690,50			7.090.685,2698			7.090.679,52	7.090.676,00	
Station: 4+0											
Dist. Eixo (m):		-8,865	-5,401			0,000m			6,047	9,878	
Cota (m):		14,439	14,370						14,357	14,433	
E:		708.378,10	708.378,31			708.378,6250			708.378,98	708.379,21	
N:		7.090.694,71	7.090.691,25			7.090.685,8592			7.090.679,82	7.090.676,00	
Station: 4+10											
Dist. Eixo (m):		-8,820	-3,856			0,000m					
Cota (m):		14,483	14,384								
E:		708.388,09	708.388,38			708.388,5800					
N:		7.090.695,25	7.090.690,30			7.090.686,4400					

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA VALDIR SCHMOCKEL

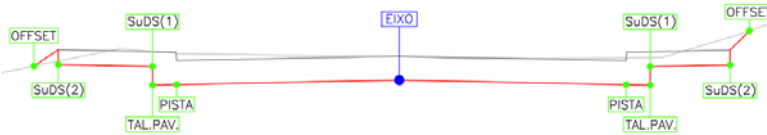
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0											
Dist. Eixo (m):		-7,878	-7,768	-7,768	-7,369	0,000	0,049				
Cota (m):		15,962	15,960	15,664	15,672	16,382	16,383				
E:		709.337,3373	709.337,3404	709.337,3404	709.337,3519	709.337,5632	709.337,5646				
N:		7.090.333,7679	7.090.333,6576	7.090.333,6576	7.090.333,2596	7.090.325,8932	7.090.325,8444				
Station: 0+10											
Dist. Eixo (m):		-4,711	-3,302	-3,302	-2,904	0,000	3,096	3,494	3,494	4,596	5,769
Cota (m):		16,511	16,483	16,187	16,196	16,283	16,376	16,368	16,664	16,685	18,118
E:		709.347,4240	709.347,4644	709.347,4644	709.347,4758	709.347,5590	709.347,6478	709.347,6592	709.347,6592	709.347,6908	709.347,7245
N:		7.090.330,8888	7.090.329,4806	7.090.329,4806	7.090.329,0826	7.090.326,1799	7.090.323,0850	7.090.322,6872	7.090.322,6872	7.090.321,5856	7.090.320,4130
Station: 1+0											
Dist. Eixo (m):		-4,740	-3,336	-3,336	-2,938	0,000	3,062	3,460	3,460	4,562	5,609
Cota (m):		16,472	16,444	16,148	16,156	16,244	16,336	16,328	16,624	16,646	17,953
E:		709.357,4190	709.357,4593	709.357,4593	709.357,4707	709.357,5549	709.357,6427	709.357,6541	709.357,6541	709.357,6857	709.357,7158
N:		7.090.331,2048	7.090.329,8014	7.090.329,8014	7.090.329,4034	7.090.326,4666	7.090.323,4058	7.090.323,0080	7.090.323,0080	7.090.321,9064	7.090.320,8594
Station: 1+10											
Dist. Eixo (m):		-4,808	-3,370	-3,370	-2,972	0,000	3,028	3,426	3,426	4,528	5,090
Cota (m):		16,557	16,528	16,232	16,240	16,329	16,420	16,412	16,708	16,730	17,552
E:		709.367,4130	709.367,4542	709.367,4542	709.367,4656	709.367,5508	709.367,6376	709.367,6491	709.367,6491	709.367,6806	709.367,6968
N:		7.090.331,5593	7.090.330,1221	7.090.330,1221	7.090.329,7241	7.090.326,7533	7.090.323,7265	7.090.323,3287	7.090.323,3287	7.090.322,2272	7.090.321,6650
Station: 2+0											
Dist. Eixo (m):		-6,432	-3,511	-3,511	-3,113	0,000	2,994	3,392	3,392	4,704	4,910
Cota (m):		16,743	16,685	16,389	16,397	16,459	16,399	16,391	16,687	16,713	17,179
E:		709.377,3623	709.377,4460	709.377,4460	709.377,4575	709.377,5467	709.377,6326	709.377,6440	709.377,6440	709.377,6816	709.377,6875
N:		7.090.333,4690	7.090.330,5496	7.090.330,5496	7.090.330,1516	7.090.327,0400	7.090.324,0473	7.090.323,6495	7.090.323,6495	7.090.322,3383	7.090.322,1325
Station: 2+5											
Dist. Eixo (m):		-6,317	-3,856	-3,856	-3,458	0,000	3,152				
Cota (m):		16,668	16,619	16,323	16,331	16,400	16,337				
E:		709.382,0819	709.382,6012	709.382,6012	709.382,6853	709.383,4149	709.384,0800				
N:		7.090.333,8898	7.090.331,4837	7.090.331,4837	7.090.331,0945	7.090.327,7145	7.090.324,6333				
Station: 2+10											
Dist. Eixo (m):		-5,682	-3,917	-3,917	-3,518	0,000	3,352				
Cota (m):		16,544	16,509	16,213	16,221	16,291	16,224				
E:		709.385,3943	709.385,9976	709.385,9976	709.386,1336	709.387,3359	709.388,4814				
N:		7.090.334,1851	7.090.332,5257	7.090.332,5257	7.090.332,1516	7.090.328,8449	7.090.325,6943				
Station: 2+11											
Dist. Eixo (m):		-5,341	-3,904	-3,904	-3,506	0,000	3,439				
Cota (m):		16,499	16,470	16,174	16,183	16,253	16,184				
E:		709.386,6085	709.387,1636	709.387,1636	709.387,3174	709.388,6713	709.389,9995				
N:		7.090.334,2934	7.090.332,9677	7.090.332,9677	7.090.332,6004	7.090.329,3668	7.090.326,1945				
Station: 3+0											
Dist. Eixo (m):		-7,000	-4,410	-4,410	-4,011	0,000	3,410	3,808	3,808	5,415	5,881
Cota (m):		16,294	16,242	15,946	15,955	16,044	16,013	16,006	16,302	16,333	17,060
E:		709.395,1521	709.395,7579	709.395,7579	709.395,8510	709.396,7891	709.397,5866	709.397,6796	709.397,6796	709.398,0555	709.398,1645
N:		7.090.338,8752	7.090.336,3566	7.090.336,3566	7.090.335,9695	7.090.332,0693	7.090.328,7540	7.090.328,3670	7.090.328,3670	7.090.326,8044	7.090.326,3512
Station: 3+10											
Dist. Eixo (m):		-5,894	-4,397	-4,397	-3,999	0,000	4,013	4,411	4,411	5,797	6,177
Cota (m):		16,071	16,041	15,745	15,753	15,847	15,833	15,825	16,121	16,149	16,789
E:		709.406,4222	709.406,4878	709.406,4878	709.406,5052	709.406,6802	709.406,8558	709.406,8732	709.406,8732	709.406,9338	709.406,9505
N:		7.090.339,3132	7.090.337,8172	7.090.337,8172	7.090.337,4195	7.090.333,4248	7.090.329,4155	7.090.329,0180	7.090.329,0180	7.090.327,6329	7.090.327,2534
Station: 4+0											
Dist. Eixo (m):		-5,968	-4,391	-4,391	-3,993	0,000	4,016	4,414	4,414	5,770	6,118
Cota (m):		15,897	15,865	15,569	15,577	15,675	15,684	15,676	15,972	15,999	16,607
E:		709.416,4094	709.416,4784	709.416,4784	709.416,4959	709.416,6706	709.416,8463	709.416,8637	709.416,8637	709.416,9230	709.416,9383
N:		7.090.339,8244	7.090.338,2489	7.090.338,2489	7.090.337,8512	7.090.333,8624	7.090.329,8501	7.090.329,4526	7.090.329,4526	7.090.328,0984	7.090.327,7499
Station: 4+10											
Dist. Eixo (m):		-6,102	-4,385	-4,385	-3,987	0,000	4,019	4,417	4,417	5,845	6,193
Cota (m):		15,723	15,689	15,393	15,401	15,503	15,534	15,526	15,822	15,851	16,458
E:		709.426,3940	709.426,4691	709.426,4691	709.426,4865	709.426,6610	709.426,8369	709.426,8543	709.426,8543	709.426,9168	709.426,9320
N:		7.090.340,3959	7.090.338,6806	7.090.338,6806	7.090.338,2828	7.090.334,3000	7.090.330,2847	7.090.329,8871	7.090.329,8871	7.090.328,4603	7.090.328,1132
Station: 5+0											
Dist. Eixo (m):		-6,051	-4,379	-4,379	-3,981	0,000	4,022	4,420	4,420	5,899	
Cota (m):		15,546	15,513	15,217	15,225	15,331	15,385	15,377	15,673	15,702	
E:		709.436,3866	709.436,4598	709.436,4598	709.436,4772	709.436,6514	709.436,8274	709.436,8448	709.436,8448	709.436,9096	
N:		7.090.340,7828	7.090.339,1123	7.090.339,1123	7.090.338,7145	7.090.334,7376	7.090.330,7193	7.090.330,3217	7.090.330,3217	7.090.328,8443	
Station: 5+10											
Dist. Eixo (m):		-5,774	-4,373	-4,373	-3,975	0,000	4,025	4,423	4,423	6,022	
Cota (m):		15,365	15,337	15,041	15,049	15,159	15,235	15,227	15,523	15,555	
E:		709.446,3892	709.446,4505	709.446,4505	709.446,4679	709.446,6418	709.446,8180	709.446,8354	709.446,8354	709.446,9054	
N:		7.090.340,9437	7.090.339,5440	7.090.339,5440	7.090.339,1462	7.090.335,1751	7.090.331,1539	7.090.330,7563	7.090.330,7563	7.090.329,1589	
Station: 5+18											
Dist. Eixo (m):		-11,532	-8,970	-8,970	-8,572	0,000	5,000	5,398	5,398	11,690	12,671
Cota (m):		15,115	15,063	14,767	14,776	15,021	15,138	15,130	15,426	15,552	16,792
E:		709.454,1515	709.454,2636	709.454,2636	709.454,2810	709.454,6561	709.454,8749	709.454,8923	709.454,8923	709.455,1677	709.455,2106
N:		7.090.347,0475	7.090.344,4878	7.090.344,4878	7.090.344,0900	7.090.335,5262	7.090.330,5310	7.090.330,1334	7.090.330,1334	7.090.323,8469	7.090.322,8673

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
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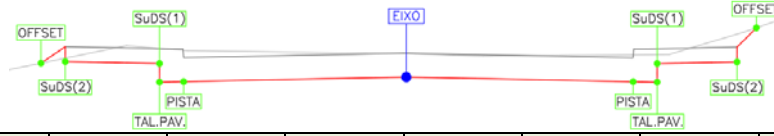
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 6+6											
Dist. Eixo (m):		-11,190	-11,174	-11,174	-10,700	0,000	9,411	9,503	9,503	11,744	12,010
Cota Camada 1 (m)					14,671	15,307	16,297				
Cota Camada 3 (m)					14,591	15,227	16,217				
Cota Camada 6 (m)					14,551	15,187	16,177				
Cota Camada 7 (m)					14,431	15,067	16,057				
Cota (m):		14,572	14,282	13,986	14,281	14,917	15,907	15,914	16,210	16,234	16,759
E:		709.462,5853	709.462,5858	709.462,5858	709.462,6031	709.462,9922	709.463,3344	709.463,3378	709.463,3378	709.463,4193	709.463,4289
N:		7.090.347,0122	7.090.346,9966	7.090.346,9966	7.090.346,5224	7.090.335,8296	7.090.326,4253	7.090.326,3325	7.090.326,3325	7.090.324,0932	7.090.323,8279
Station: 6+10											
Dist. Eixo (m):		-7,000	-5,853	-5,853	-5,454	0,000	4,806	5,204	5,204	7,000	
Cota Camada 1 (m)					14,877	15,216	15,653				
Cota Camada 3 (m)					14,797	15,136	15,573				
Cota Camada 6 (m)					14,757	15,096	15,533				
Cota Camada 7 (m)					14,637	14,976	15,413				
Cota (m):		14,798	14,775	14,479	14,487	14,826	15,263	15,255	15,551	15,587	
E:		709.466,3717	709.466,4134	709.466,4134	709.466,4279	709.466,6262	709.466,8010	709.466,8155	709.466,8155	709.466,8808	
N:		7.090.342,9572	7.090.341,8105	7.090.341,8105	7.090.341,4126	7.090.335,9618	7.090.331,1586	7.090.330,7609	7.090.330,7609	7.090.328,9664	
Station: 7+0											
Dist. Eixo (m):		-6,248	-4,646	-4,646	-4,248	0,000	3,752	4,150	4,150	5,761	
Cota Camada 1 (m)					14,837	14,965	15,077				
Cota Camada 3 (m)					14,757	14,885	14,997				
Cota Camada 6 (m)					14,717	14,845	14,957				
Cota Camada 7 (m)					14,597	14,725	14,837				
Cota (m):		14,767	14,735	14,439	14,447	14,575	14,687	14,679	14,975	15,007	
E:		709.476,3924	709.476,4506	709.476,4506	709.476,4651	709.476,6196	709.476,7561	709.476,7705	709.476,7705	709.476,8291	
N:		7.090.342,5695	7.090.340,9688	7.090.340,9688	7.090.340,5709	7.090.336,3255	7.090.332,5761	7.090.332,1784	7.090.332,1784	7.090.330,5680	
Station: 7+10											
Dist. Eixo (m):		-6,213	-4,611	-4,611	-4,213	0,000	3,787	4,185	4,185	5,753	
Cota Camada 1 (m)					14,587	14,713	14,827				
Cota Camada 3 (m)					14,507	14,633	14,747				
Cota Camada 6 (m)					14,467	14,593	14,707				
Cota Camada 7 (m)					14,347	14,473	14,587				
Cota (m):		14,517	14,485	14,189	14,197	14,323	14,437	14,429	14,725	14,725	14,756
E:		709.486,3871	709.486,4453	709.486,4453	709.486,4598	709.486,6130	709.486,7507	709.486,7652	709.486,7652	709.486,8222	
N:		7.090.342,8983	7.090.341,2975	7.090.341,2975	7.090.340,8996	7.090.336,6891	7.090.332,9048	7.090.332,5071	7.090.332,5071	7.090.332,5069	7.090.330,9398
Station: 8+0											
Dist. Eixo (m):		-6,178	-4,576	-4,576	-4,178	0,000	3,822	4,220	4,220	5,746	
Cota Camada 1 (m)					14,337	14,462	14,577				
Cota Camada 3 (m)					14,257	14,382	14,497				
Cota Camada 6 (m)					14,217	14,342	14,457				
Cota Camada 7 (m)					14,097	14,222	14,337				
Cota (m):		14,267	14,235	13,939	13,947	14,072	14,187	14,179	14,475	14,505	
E:		709.496,3817	709.496,4400	709.496,4400	709.496,4544	709.496,6064	709.496,7454	709.496,7599	709.496,7599	709.496,8153	
N:		7.090.343,2270	7.090.341,6262	7.090.341,6262	7.090.341,2283	7.090.337,0528	7.090.333,2335	7.090.332,8358	7.090.332,8358	7.090.331,3111	
Station: 8+10											
Dist. Eixo (m):		-6,143	-4,541	-4,541	-4,143	0,000	3,857	4,255	4,255	5,738	
Cota Camada 1 (m)					14,087	14,211	14,327				
Cota Camada 3 (m)					14,007	14,131	14,247				
Cota Camada 6 (m)					13,967	14,091	14,207				
Cota Camada 7 (m)					13,847	13,971	14,087				
Cota (m):		14,017	13,985	13,689	13,697	13,821	13,937	13,929	14,225	14,254	
E:		709.506,3764	709.506,4346	709.506,4346	709.506,4491	709.506,5998	709.506,7400	709.506,7545	709.506,7545	709.506,8084	
N:		7.090.343,5557	7.090.341,9549	7.090.341,9549	7.090.341,5570	7.090.337,4165	7.090.333,5622	7.090.333,1645	7.090.333,1645	7.090.331,6824	
Station: 9+0											
Dist. Eixo (m):		-6,108	-4,506	-4,506	-4,108	0,000	3,892	4,290	4,290	5,719	
Cota Camada 1 (m)					13,837	13,960	14,077				
Cota Camada 3 (m)					13,757	13,880	13,997				
Cota Camada 6 (m)					13,717	13,840	13,957				
Cota Camada 7 (m)					13,597	13,720	13,837				
Cota (m):		13,767	13,735	13,439	13,447	13,570	13,687	13,679	13,975	14,003	
E:		709.516,3710	709.516,4293	709.516,4293	709.516,4438	709.516,5932	709.516,7347	709.516,7492	709.516,7492	709.516,8011	
N:		7.090.343,8844	7.090.342,2836	7.090.342,2836	7.090.341,8857	7.090.337,7801	7.090.333,8909	7.090.333,4932	7.090.333,4932	7.090.332,0653	
Station: 9+10											
Dist. Eixo (m):		-6,073	-4,471	-4,471	-4,073	0,000	3,927	4,325	4,325	5,773	
Cota Camada 1 (m)					13,587	13,709	13,827				
Cota Camada 3 (m)					13,507	13,629	13,747				
Cota Camada 6 (m)					13,467	13,589	13,707				
Cota Camada 7 (m)					13,347	13,469	13,587				
Cota (m):		13,517	13,484	13,188	13,197	13,319	13,437	13,429	13,725	13,753	
E:		709.526,3657	709.526,4239	709.526,4239	709.526,4384	709.526,5865	709.526,7294	709.526,7438	709.526,7438	709.526,7965	
N:		7.090.344,2131	7.090.342,6123	7.090.342,6123	7.090.342,2144	7.090.338,1438	7.090.334,2196	7.090.333,8219	7.090.333,8219	7.090.332,3750	
Station: 10+0											
Dist. Eixo (m):		-6,038	-4,436	-4,436	-4,038	0,000	3,962	4,360	4,360	5,946	
Cota Camada 1 (m)					13,338	13,459	13,578				
Cota Camada 3 (m)					13,258	13,379	13,498				
Cota Camada 6 (m)					13,218	13,339	13,458				
Cota Camada 7 (m)					13,098	13,219	13,338				
Cota (m):		13,268	13,236	12,940	12,948	13,069	13,188	13,180	13,476	13,508	
E:		709.536,3603	709.536,4186	709.536,4186	709.536,4331	709.536,5799	709.536,7240	709.536,7385	709.536,7385	709.536,7962	
N:		7.090.344,5418	7.090.342,9410	7.090.342,9410	7.090.342,5431	7.090.338,5075	7.090.334,5483	7.090.334,1506	7.090.334,1506	7.090.332,5651	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA VALDIR SCHMOCKEL

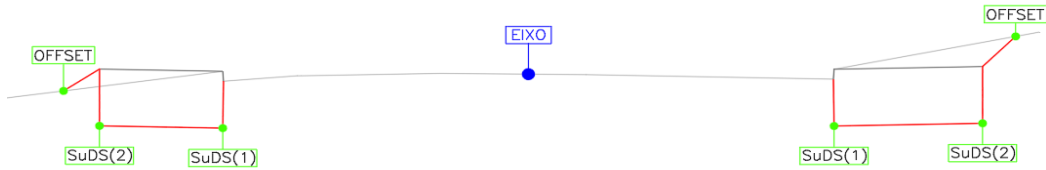
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	TAL. PAV.	PISTA	EIXO	PISTA	TAL. PAV.	SuDS(1)	SuDS(2)	OFFSET
Station: 10+9											
Dist. Eixo (m):		-11,995	-11,161	-11,161	-10,763	0,000					
Cota Camada 1 (m)					12,914	13,361	0,390				
Cota Camada 3 (m)					12,834	13,281	0,310				
Cota Camada 6 (m)					12,794	13,241	0,270				
Cota Camada 7 (m)					12,674	13,121	0,150				
Cota (m):		13,088	12,812	12,516	12,524	12,971					
E:		709.545,5993	709.545,6297	709.545,6297	709.545,6441	709.546,0356					
N:		7.090.350,8383	7.090.350,0051	7.090.350,0051	7.090.349,6072	7.090.338,8516					

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA VER. HERMÍNIO KUNTZE

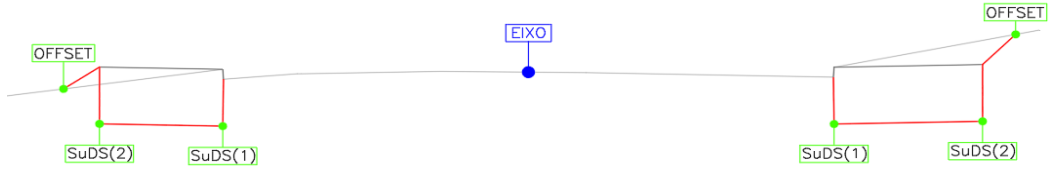
Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Station: 0+0							
Dist. Eixo (m):		-12,351	-11,287	0,000	12,098	14,421	
Cota (m):		14,971	14,950		14,933	14,980	
E:		708.354,2850	708.353,2215	708.341,9430	708.329,8541	708.327,5334	
N:		7.090.835,6909	7.090.835,6493	7.090.835,2080	7.090.834,7350	7.090.834,6442	
Station: 0+10							
Dist. Eixo (m):		-6,141	-4,023	0,000	4,133	6,280	
Cota (m):		15,019	14,977		14,975	15,018	
E:		708.348,4617	708.346,3452	708.342,3257	708.338,1960	708.336,0503	
N:		7.090.825,6689	7.090.825,5861	7.090.825,4288	7.090.825,2672	7.090.825,1833	
Station: 1+0							
Dist. Eixo (m):		-5,985	-4,021	0,000	3,959	6,180	
Cota (m):		14,957	14,918		14,919	14,964	
E:		708.348,6966	708.346,7341	708.342,7167	708.338,7607	708.336,5413	
N:		7.090.815,6704	7.090.815,5936	7.090.815,4365	7.090.815,2817	7.090.815,1948	
Station: 1+10							
Dist. Eixo (m):		-6,082	-4,015	0,000	3,932	6,080	
Cota (m):		14,897	14,856		14,857	14,900	
E:		708.349,1850	708.347,1201	708.343,1076	708.339,1789	708.337,0324	
N:		7.090.805,6819	7.090.805,6011	7.090.805,4441	7.090.805,2904	7.090.805,2064	
Station: 2+0							
Dist. Eixo (m):		-6,014	-4,010	0,000	3,919	6,349	
Cota (m):		14,832	14,792		14,794	14,842	
E:		708.349,5076	708.347,5060	708.343,4986	708.339,5828	708.337,1548	
N:		7.090.795,6869	7.090.795,6085	7.090.795,4517	7.090.795,2985	7.090.795,2035	
Station: 2+10							
Dist. Eixo (m):		-5,894	-4,016	0,000	3,917	6,322	
Cota (m):		14,769	14,731		14,733	14,781	
E:		708.349,7787	708.347,9022	708.343,8896	708.339,9760	708.337,5729	
N:		7.090.785,6898	7.090.785,6164	7.090.785,4594	7.090.785,3063	7.090.785,2122	
Station: 3+0							
Dist. Eixo (m):		-5,901	-4,053	0,000	3,914	6,294	
Cota (m):		14,730	14,693		14,696	14,743	
E:		708.350,1770	708.348,3305	708.344,2806	708.340,3692	708.337,9910	
N:		7.090.775,6978	7.090.775,6255	7.090.775,4670	7.090.775,3140	7.090.775,2209	
Station: 3+10							
Dist. Eixo (m):		-5,773	-4,090	0,000	3,912	6,267	
Cota (m):		14,691	14,657		14,661	14,708	
E:		708.350,4397	708.348,7588	708.344,6716	708.340,7624	708.338,4092	
N:		7.090.765,7004	7.090.765,6346	7.090.765,4747	7.090.765,3217	7.090.765,2297	
Station: 4+0							
Dist. Eixo (m):		-5,731	-4,116	0,000	3,914	6,162	
Cota (m):		14,664	14,631		14,635	14,680	
E:		708.350,7893	708.349,1753	708.345,0625	708.341,1514	708.338,9051	
N:		7.090.755,7064	7.090.755,6433	7.090.755,4823	7.090.755,3293	7.090.755,2414	
Station: 4+10							
Dist. Eixo (m):		-5,730	-4,104	0,000	3,945	6,220	
Cota (m):		14,646	14,613		14,617	14,662	
E:		708.351,1796	708.349,5547	708.345,4535	708.341,5118	708.339,2387	
N:		7.090.745,7140	7.090.745,6504	7.090.745,4900	7.090.745,3357	7.090.745,2468	
Station: 5+0							
Dist. Eixo (m):		-5,736	-4,093	0,000	3,975	6,203	
Cota (m):		14,623	14,590		14,592	14,637	
E:		708.351,5763	708.349,9341	708.345,8445	708.341,8722	708.339,6461	
N:		7.090.735,7219	7.090.735,6576	7.090.735,4976	7.090.735,3422	7.090.735,2551	

PREFEITURA MUNICIPAL DE JOINVILLE
DRENAGEM SUSTENTÁVEL - VILA NOVA
NOTA DE SERVIÇO
RUA VER. HERMÍNIO KUNTZE

Desenho Esquemático:



PONTOS NOTÁVEIS	OFFSET	SuDS(2)	SuDS(1)	EIXO	SuDS(1)	SuDS(2)	OFFSET
Station: 5+10							
Dist. Eixo (m):		-5,754	-4,081	0,000	4,006	6,243	
Cota (m):		14,524	14,491		14,493	14,537	
E:		708.351,9850	708.350,3135	708.346,2355	708.342,2326	708.339,9970	
N:		7.090.725,7302	7.090.725,6648	7.090.725,5053	7.090.725,3486	7.090.725,2612	
Station: 6+0							
Dist. Eixo (m):		-5,736	-4,020	0,000	4,037	6,226	
Cota (m):		14,435	14,401		14,401	14,445	
E:		708.352,3581	708.350,6430	708.346,6264	708.342,5929	708.340,4050	
N:		7.090.715,7372	7.090.715,6701	7.090.715,5129	7.090.715,3551	7.090.715,2695	
Station: 6+10							
Dist. Eixo (m):		-5,847	-3,947	0,000	4,067	6,270	
Cota (m):		14,394	14,356		14,353	14,397	
E:		708.352,8601	708.350,9619	708.347,0174	708.342,9533	708.340,7523	
N:		7.090.705,7492	7.090.705,6749	7.090.705,5206	7.090.705,3615	7.090.705,2754	
Station: 7+0							
Dist. Eixo (m):		-6,617	-4,512	0,000	4,565	6,755	
Cota (m):		14,337	14,295		14,294	14,337	
E:		708.354,0205	708.351,9168	708.347,4084	708.342,8465	708.340,6589	
N:		7.090.695,7869	7.090.695,7046	7.090.695,5282	7.090.695,3497	7.090.695,2641	
Station: 7+6							
Dist. Eixo (m):				0,000	12,963	17,761	
Cota (m):					14,133	14,229	
E:				708.347,6507	708.334,6979	708.329,9037	
N:				7.090.689,3352	7.090.688,8284	7.090.688,6408	






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Relatório de auditoria final

2021-11-10

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Por:	Sirleide Dias (sirleide@engecorps.com.br)
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