



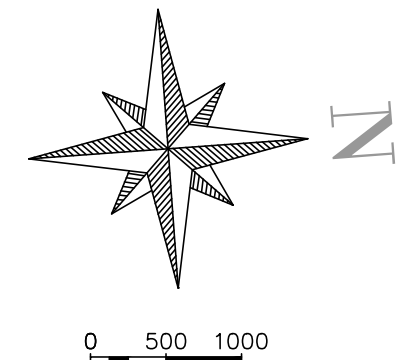
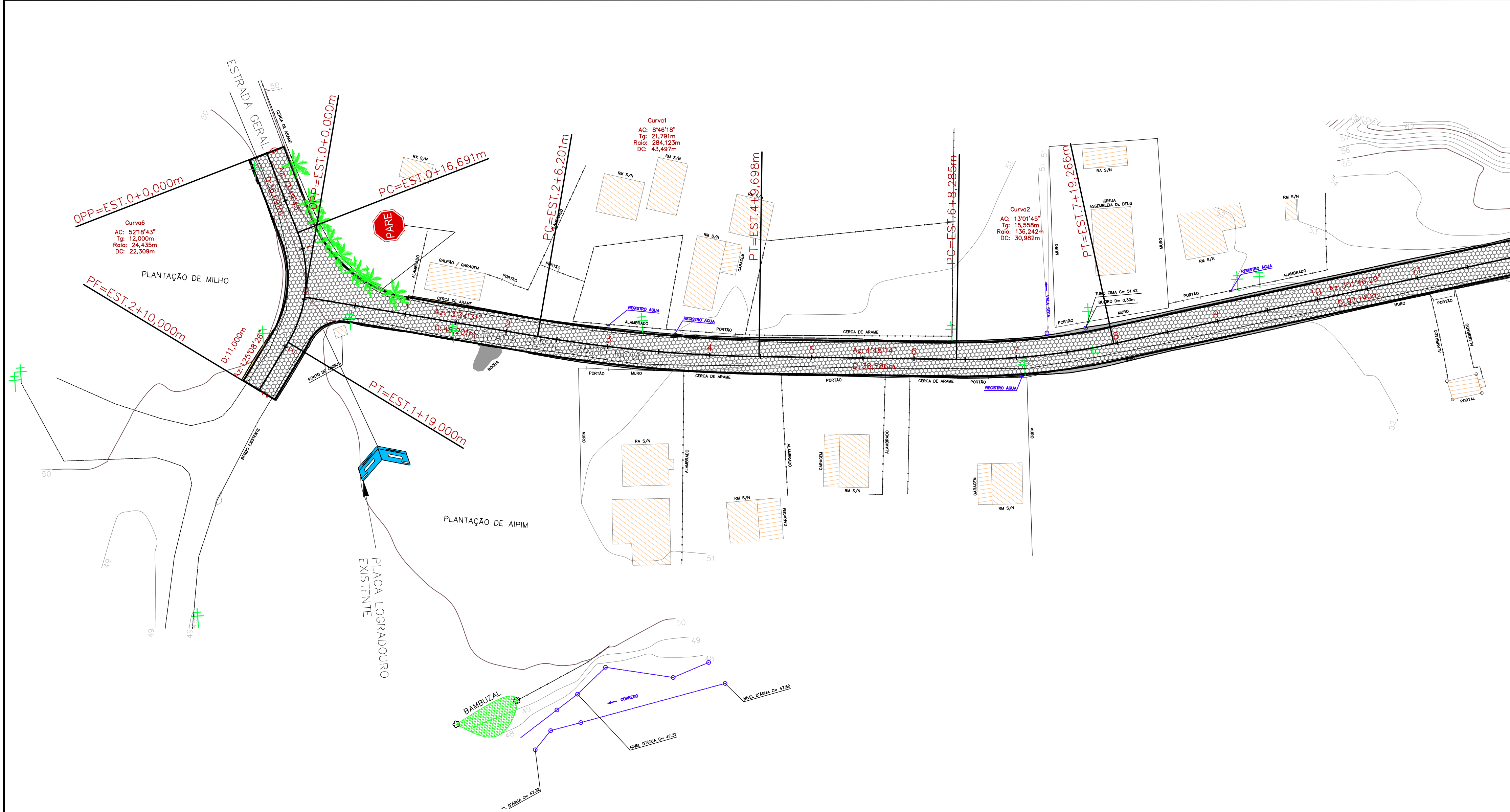
*ASSOCIAÇÃO DOS MUNICÍPIOS
DA REGIÃO DA GRANDE FLORIANÓPOLIS
" GRANFPOLIS "*

**META 1 - PAVIMENTAÇÃO DE ESTRADA VICINAL,
NO BAIRRO CAMPO NOVO NO MUNICÍPIO DE
TIJUCAS/SC
EXTENSÃO 390 m**

**CONVÊNIO 909215/2020 - MDR
TIJUCAS/SC**

**PROJETO DE PAVIMENTAÇÃO E
SINALIZAÇÃO
VOLUME 04**

JUNHO/2021



LEGENDA

POSTE EXISTENTE

CADASTRO

CERCA DE ARAME

DRENAGEM VALA EXISTENTE

MEIO-FIO 13X15X30X100cm

CORTE

ATERRO

PAVIMENTO PROJETADO EM LAJOTAS SEXTAVADAS

BORDOS EXISTENTES

EIXO DA PISTA DE TRÁFEGO

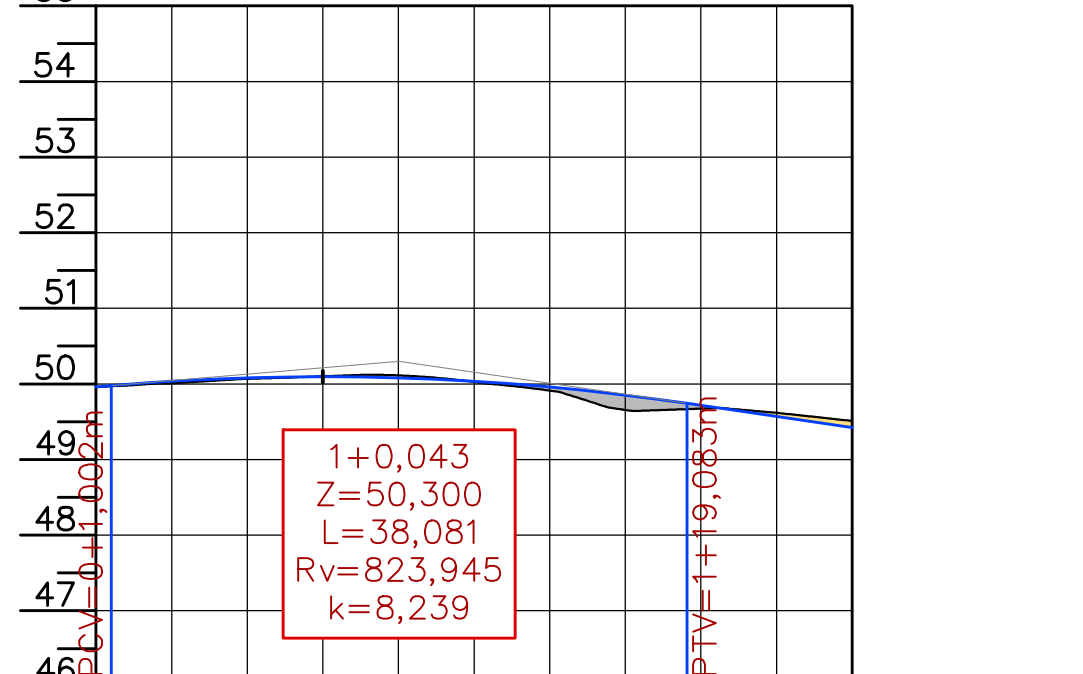
GREIDE DE TERRAPLENAGEM

DESLOCAMENTO/DEMOLIÇÃO

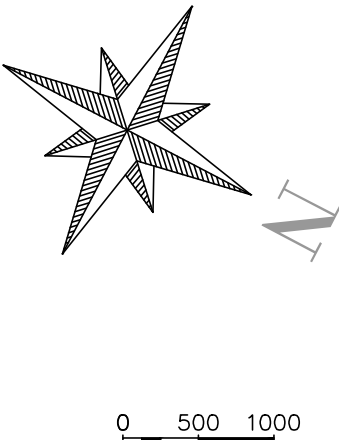
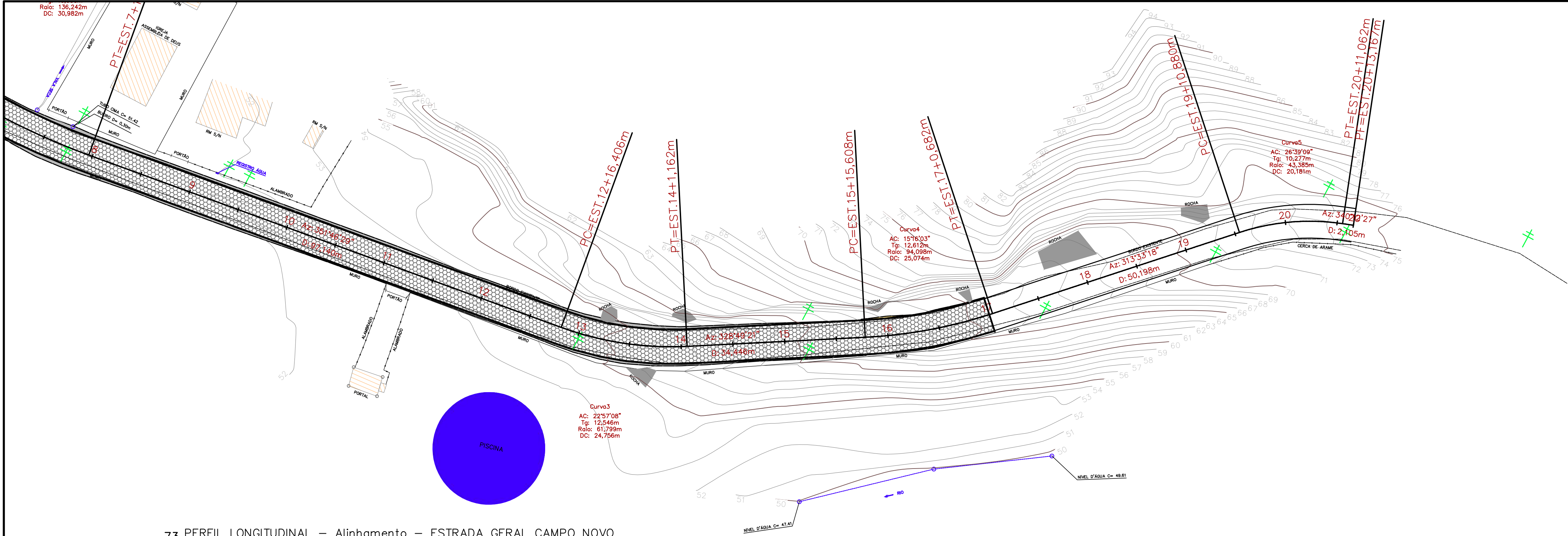
PLACA R1

PLACA NOME DE RUA

55 PERFIL LONGITUDINAL - Alinhamento - ESTRADA GERAL



ESTACAS	0+0,000	0+5,00	0	0+15,00	0+16,691	1	1+5,00	1+7,846	1	1+15,00	1+19,000	2	2+5,00	2+10,000
COTAS TERRENO	49,960		50,067	50,113	50,113	1	49,966	49,911	1	49,666	49,673	2	49,511	49,424
CORTE TERRENO	0,000	0,000	0,014	0,032			0,047			0,044			0,086	
COTAS PROJETO	49,960		50,080	50,094	50,080		49,995	49,959		49,746	49,717		49,424	
ELEMENTOS HORIZONTAIS	<div><div><div><div></div><div>$R=22,433m$</div><div>$Tg=16,691m$</div></div><div><div></div><div>$Dc=22,309m$</div><div>$Tg=11,000m$</div></div></div></div>													
ELEMENTOS VERTICAIS	<div><div><div><div></div><div>$i=7,70\%$</div><div>$Lc=38,08m$</div></div><div><div></div><div>$i=-2,92\%$</div><div>$em=10,92m$</div></div></div></div>													



LEGENDA

POSTE EXISTENTE

CADASTRO

CERCA DE ARAME

DRENAGEM/VALA EXISTENTE

MEIO-FIO 13X15X30X100cm

CORTE

ATERRO

PAVIMENTO PROJETADO EM LAJOTAS SEXTAVADAS

BORDOS EXISTENTES

EIXO DA PISTA DE TRÁFEGO

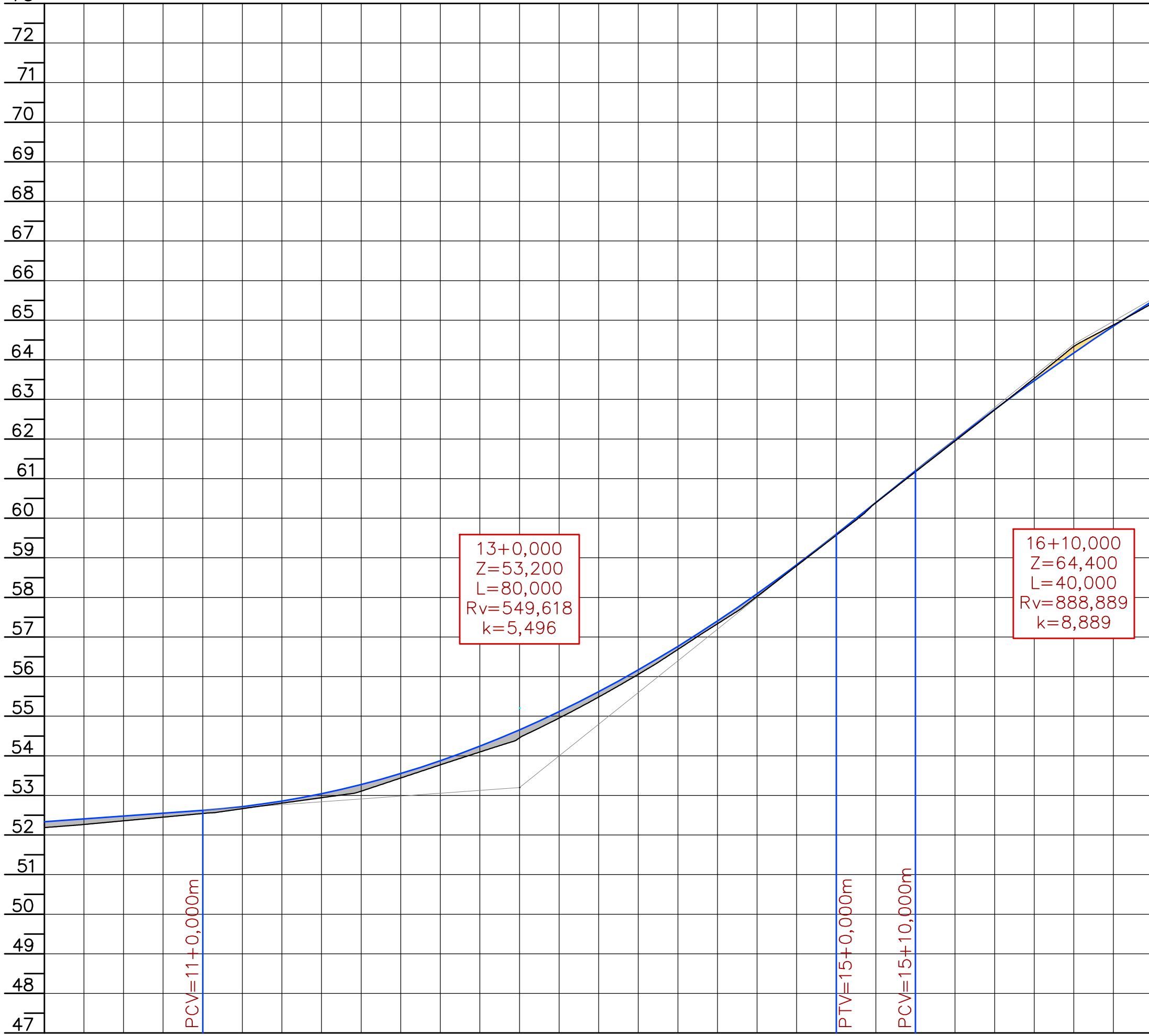
GREIDE DE TERRAPLENAGEM

DESLOCAMENTO/DEMOLIÇÃO

PLACA R1

PLACA NOME DE RUA

73 PERFIL LONGITUDINAL – Alinhamento – ESTRADA GERAL CAMPO NOVO



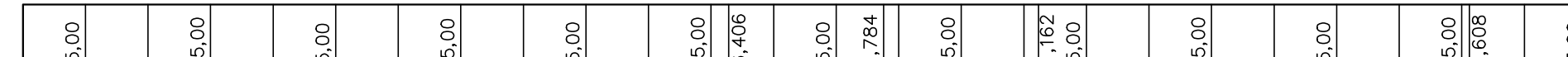
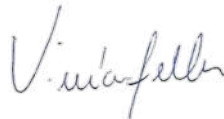
ESTACAS																													
COTAS TERRENO	52,187		52,358		52,543		52,804		53,105		53,770		54,187		55,350		56,685		58,026		59,569		61,171		62,043		64,040		65,435
CORTE ATERRO	0.146		0.120		0.079		0.054		0.170		0.104		0.204		0.135		0.079		0.065		0.031		0.029		0.010		0.162		0.058
COTAS PROJETO	52,333		52,478		52,622		52,858		53,275		53,874		54,354		55,492		56,764		58,091		59,600		61,200		62,080		64,018		65,494
ELEMENTOS HORIZONTAIS	Tg=97,140m																												
ELEMENTOS VERTICAIS	R=61,799m																												
	Dc=24,756m																												
	Tg=34,446m																												
	R=94,098m																												
	Dc=25,074m																												
	i= 1,44% em 38,23m																												
	Lc= 80,00m																												
	i= 16,00% em 10,00m																												
	Lc= 40,00m																												

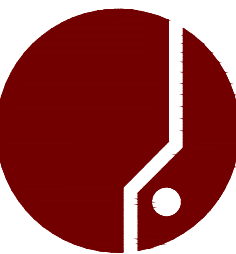
TABELA DE CURVAS DO ALINHAMENTO										
CURVAS	AC	R (m)	T (m)	D (m)	PC	PT	PONTO	PC	PI	PT
Curva1	8°46'17,53"	284,123	21,791	43,497	2+6,201	4+9,698	N E	200041,0388 100006,2015	200062,2211 100011,3164	200083,9356 100013,1413
Curva2	13°0'144,79"	136,242	15,558	30,982	6+8,285	7+19,266	N E	200122,3863 100016,3727	200137,8895 100017,6756	200153,2874 100015,4498
Curva3	22°57'07,72"	61,799	12,546	24,756	12+16,406	14+1,162	N E	200249,4279 100001,5526	200261,8452 99999,7576	200272,5794 99993,2625
Curva4	15°16'03,03"	94,098	12,612	25,074	15+15,608	17+0,682	N E	200302,0500 99975,4304	200312,8402 99968,9014	200321,5304 99959,7615
Curva5	26°39'09,05"	43,385	10,277	20,181	19+10,880	20+11,062	N E	200356,1196 99923,3823	200363,2008 99915,9346	200372,8704 99912,4548
Curva6	52°18'43,15"	24,435	12,000	22,309	0+16,691	1+19,000	N E	199995,6598 99982,6706	199999,2026 99994,1358	199992,2956 100003,9487

TABELA DE TANGENTES						
TANGENTE Nº	COMPRIMENTO (m)	AZIMUTE	COORDENADAS INÍCIO	COORDENADAS FINAL	ESTACA INÍCIO	ESTACA FINAL
L0	46,201	N13° 34' 31,47"E	N=199996,1283 E=99995,3569	N=200041,0388 E=100006,2015	0+0	2+6
L1	16,691	N72° 49' 42,77"E	N=199990,7321 E=99966,7236	N=199995,6598 E=99982,6706	0+0	0+17
L2	11,000	S54° 51' 34,09"E	N=199992,2956 E=100003,9487	N=199985,9643 E=100012,9437	1+19	2+10
L3	38,586	N04° 48' 13,94"E	N=200083,9356 E=100013,1413	N=200122,3863 E=100016,3727	5+0	6+8
L4	97,140	N08° 13' 30,85"W	N=200153,2874 E=100015,4498	N=200249,4279 E=100001,5526	7+19	12+16
L5	34,446	N31° 10' 38,57"W	N=200272,5794 E=99993,2625	N=200302,0500 E=99975,4304	14+1	15+16
L6	50,198	N46° 26' 41,60"W	N=200321,5304 E=99959,7615	N=200356,1196 E=99923,3823	17+1	19+11
L7	2,105	N19° 47' 32,54"W	N=200372,8704 E=99912,4548	N=200374,8511 E=99911,7420	20+11	20+13

PROJETO DE PAVIMENTAÇÃO

MUNICÍPIO TIJUCAS – SC

OBRA		CONTEÚDO	
ESTRADA GERAL CAMPO NOVO		PROJETO DE PAVIMENTAÇÃO EM LAJOTAS SEXTAVADAS PLANTA BAIXA E PERFIL	
PROJETO		APROVAÇÃO DA PREFEITURA	
 VINICIUS FELLER Engenheiro Civil CREA/SC 147.982-3			
REVISÃO		DATA	PRANCHA
VERSÃO INICIAL		JUNHO/2021	02/05

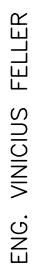
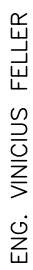


ASSOCIAÇÃO DOS MUNICÍPIOS
DA REGIÃO DA GRANDE FLORIANÓPOLIS
"GRANFOPOLIS"
ASSESSORIA DE ENGENHARIA E ARQUITETURA

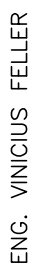
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ENG. VINICIUS FELLER



ENG. VINICIUS FELLER

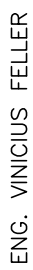


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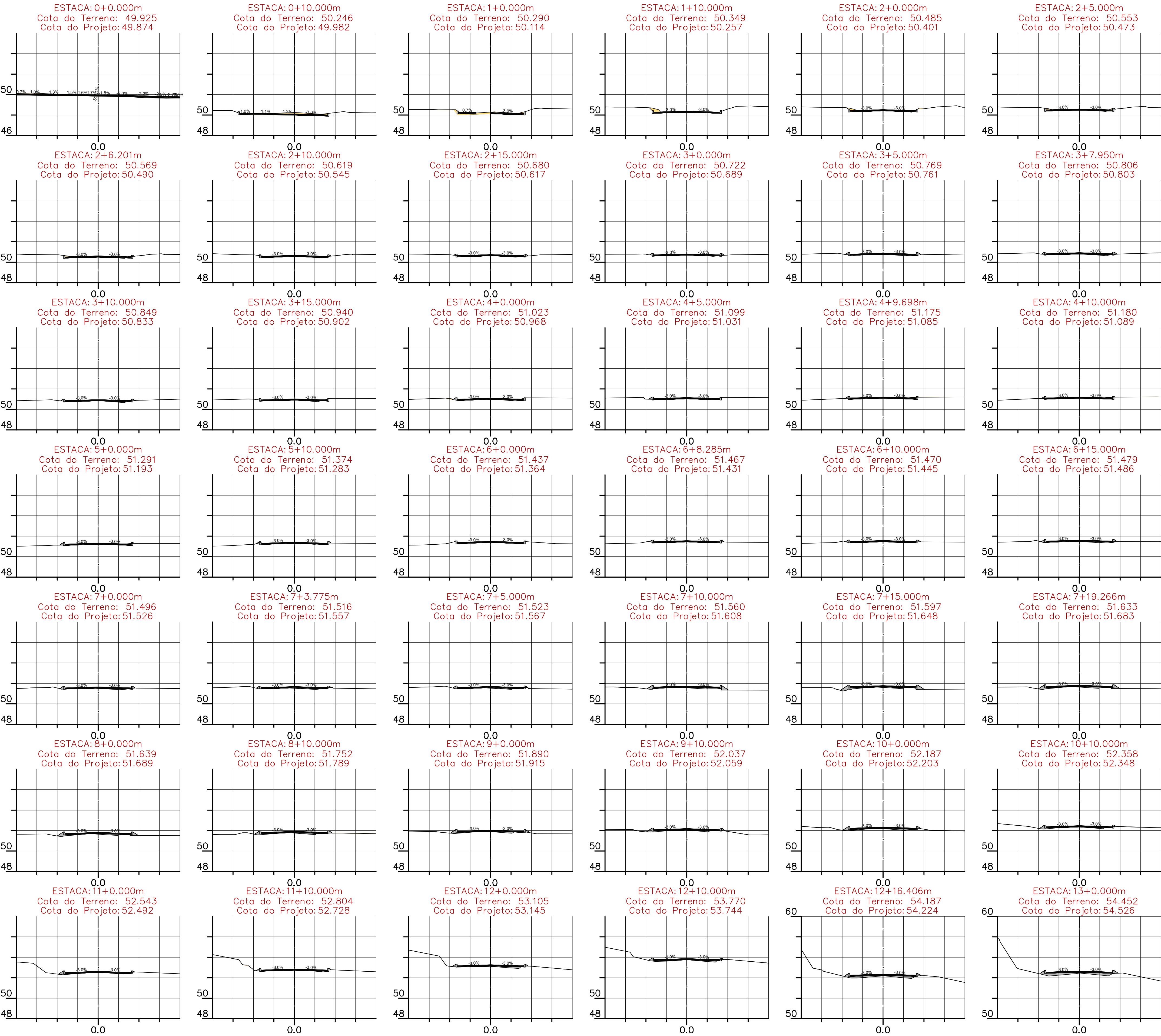
ENG. VINICIUS FELLER

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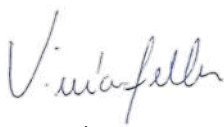
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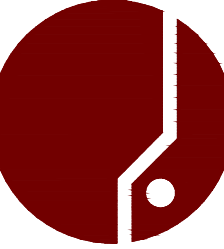


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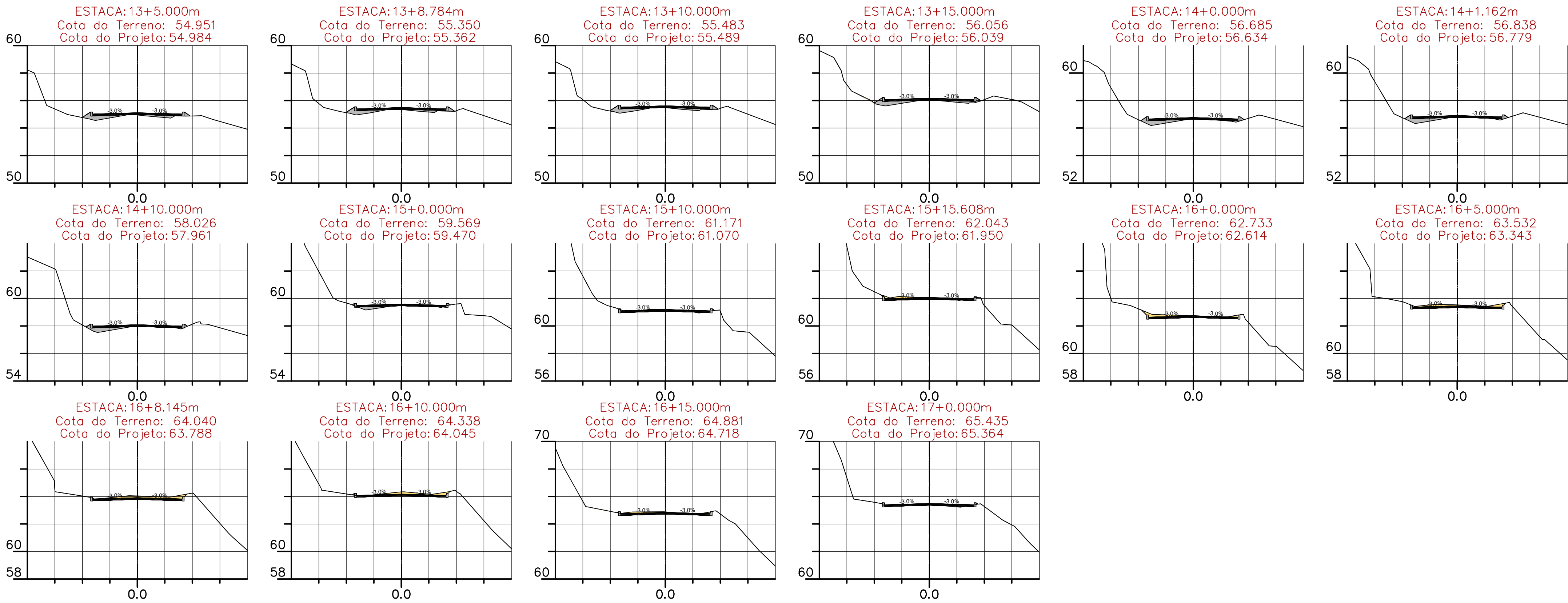


PROJETO GEOMÉTRICO

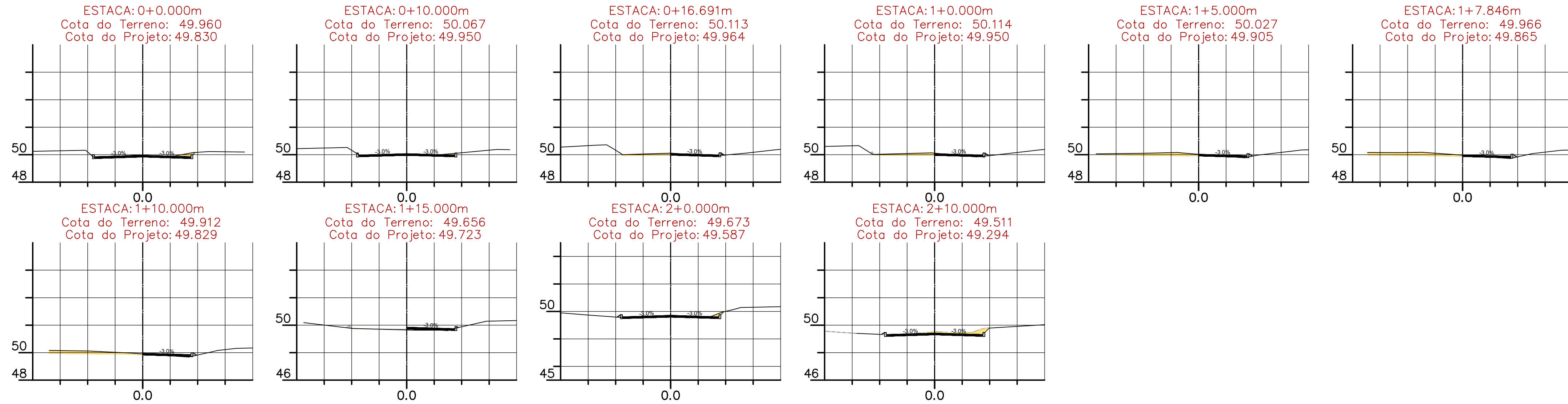
MUNICÍPIO		TIJUCAS – SC	
OBRA	CONTEÚDO		
ESTRADA GERAL CAMPO NOVO	SEÇÕES TRANSVERSAIS DE TERRAPLANAGEM		
PROJETO	APROVAÇÃO DA PREFEITURA		
 VINÍCIUS FELLER Engenheiro Civil CREA/SC 147.982-3			
REVISÃO	DATA	PRANCHA	
VERSÃO INICIAL	JUNHO/2021	04/05	



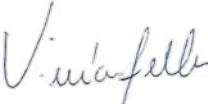
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ASSESSORIA DE ENGENHARIA E ARQUITETURA

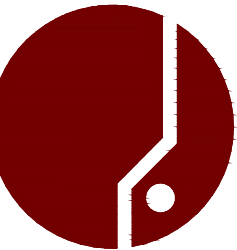


SEÇÕES DE TERRAPLANAGEM ESTRADA GERAL – ESC. 1:200



PROJETO GEOMÉTRICO

MUNICÍPIO		TIJUCAS – SC	
OBRA		CONTEÚDO	
ESTRADA GERAL CAMPO NOVO		SEÇÕES TRANSVERSAIS DE TERRAPLANAGEM	
PROJETO		APROVAÇÃO DA PREFEITURA	
 VINICIUS FELLER Engenheiro Civil CREA/SC 147.982–3			
REVISÃO			
VERSÃO INICIAL		DATA JUNHO/2021	PRANCHA 05/05



ASSOCIAÇÃO DOS MUNICÍPIOS
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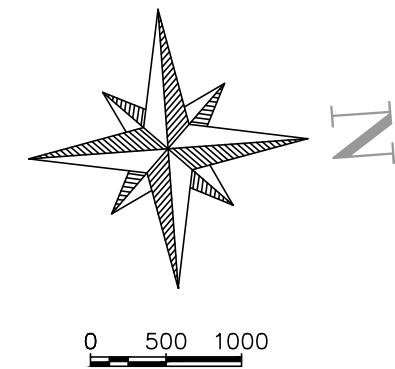
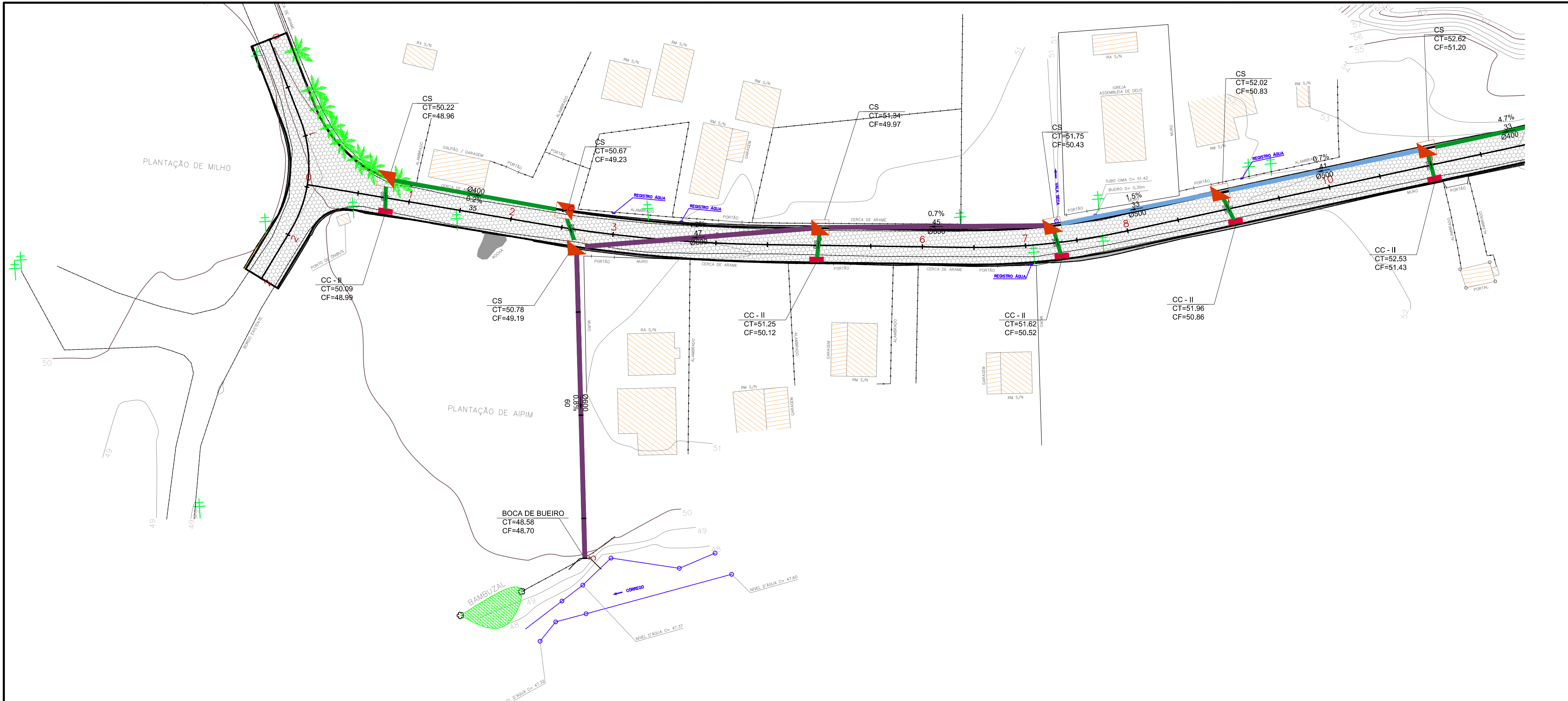
*ASSOCIAÇÃO DOS MUNICÍPIOS
DA REGIÃO DA GRANDE FLORIANÓPOLIS
" GRANFPOLIS "*

**META 1 - PAVIMENTAÇÃO DE ESTRADA VICINAL,
NO BAIRRO CAMPO NOVO NO MUNICÍPIO DE
TIJUCAS/SC
EXTENSÃO 390 m**

**CONVÊNIO 909215/2020 - MDR
TIJUCAS/SC**

**PROJETO DE DRENAGEM
VOLUME 04**

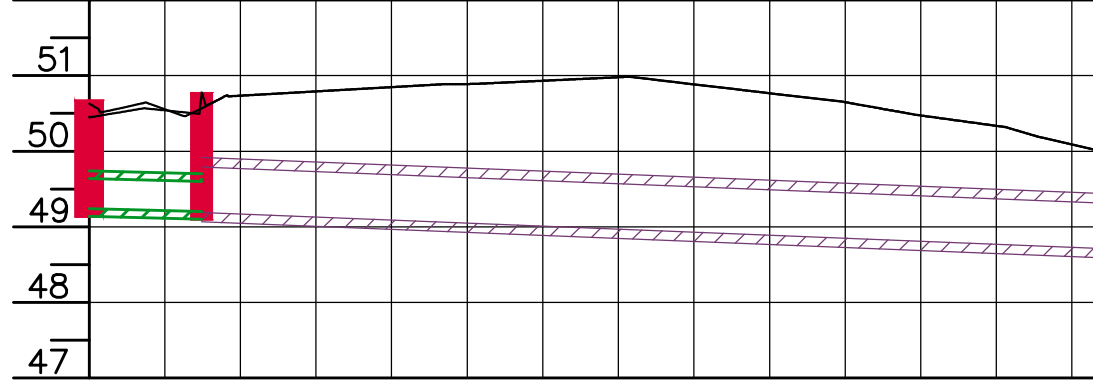
JUNHO/2021



LEGENDA

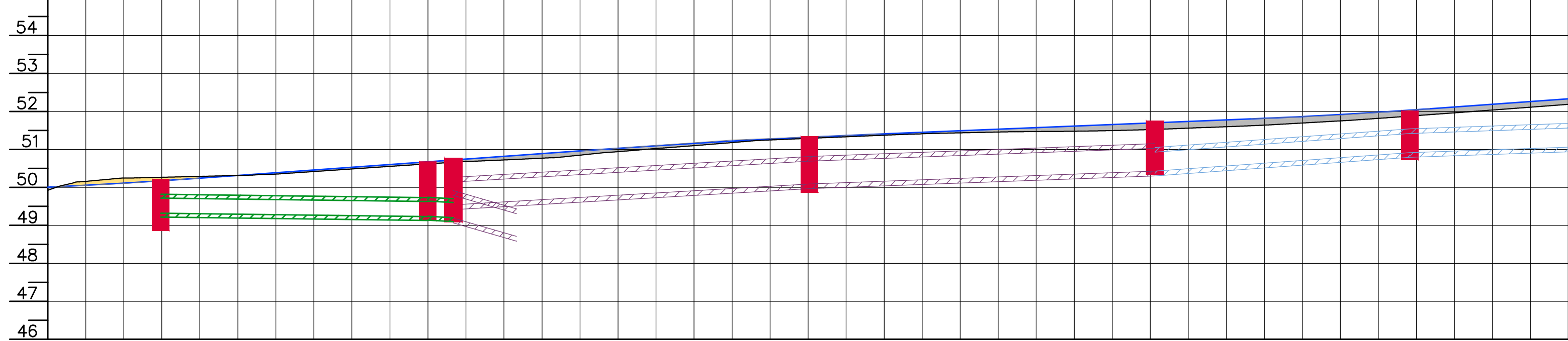
- MEIO FIO DE CONCRETO PRÉ MOLDADO
- CAIXA DE CAPTAÇÃO SIMPLES ENTRADA DE MEIO FIO
- CAIXA DE LIGAÇÃO
- TUBO CONCRETO MF - 400MM
- TUBO CONCRETO MF - 500MM
- TUBO CONCRETO MF - 600MM
- CAIXA COLETORA COM GRELHA DE FERRO FUNDIDO
- FLUXO DE DRENAGEM EXISTENTE VALA / RIO EXISTENTE
- CADASTRO - CONSTRUÇÕES EXISTENTES
- POSTE EXISTENTE
- ENTRADA/SAÍDA DE BUEIRO

52 PERFIL LONGITUDINAL - Alignment - (DRENAGEM) - (1)

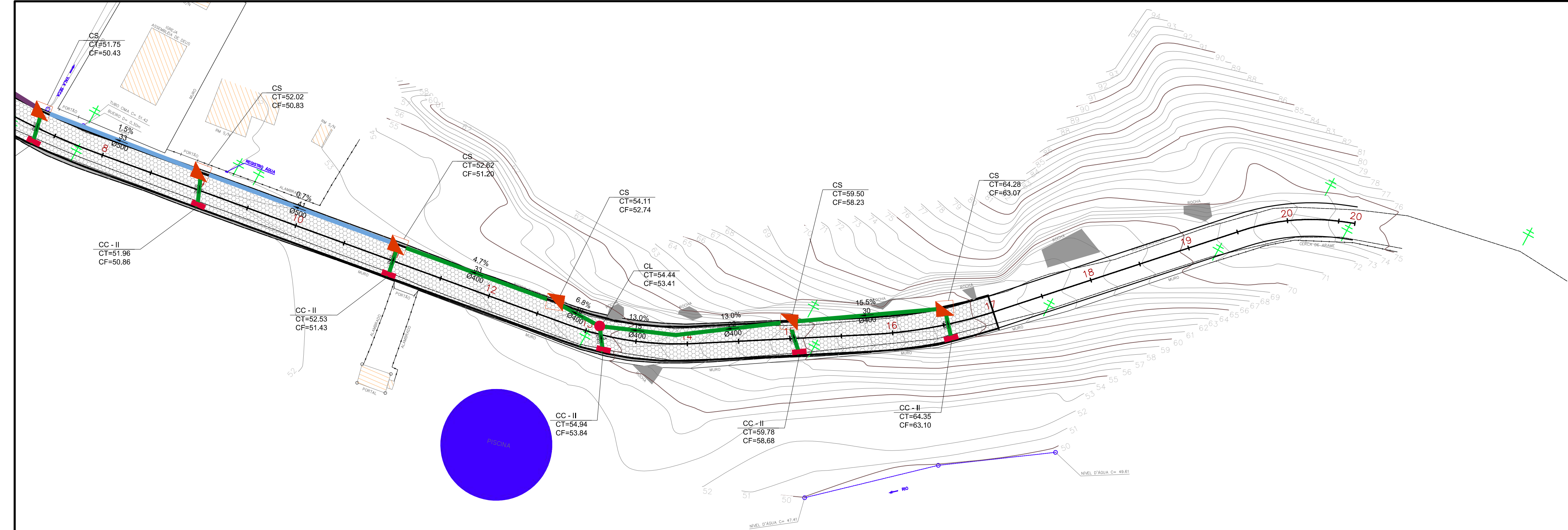


ESTACAS / COTA TERRENO	50.630	50.666	48.650
IDENTIFICAÇÃO DO PV	CS Ø 0.4 - 04	CS Ø 0.6 - 03	
TAMPA PV / FUNDO PV	50.773 49.233	49.971	48.650
COMPRIMENTO	7.43m	60.31m	
DECLIVIDADE	0.50%	0.80%	
DIÂMETRO	Ø400	Ø600	

55 PERFIL LONGITUDINAL - Alinhamento - ESTRADA GERAL CAMPO NOVO



ESTACAS / COTA TERRENO		49.022	51.175	51.201	51.214	51.437	51.467	51.471	51.486	51.500	51.503	51.509	51.517	51.523	51.529	51.535	51.541	51.547	51.553	51.559	51.565	51.571	51.577	51.583	51.589	51.595	51.601	51.607	51.613	51.619	51.625	51.631	51.637	51.643	51.649	51.655	51.661	51.667	51.673	51.679	51.685	51.691	51.697	51.703	51.709	51.715	51.721	51.727	51.733	51.739	51.745	51.751	51.757	51.763	51.769	51.775	51.781	51.787	51.793	51.799	51.805	51.811	51.817	51.823	51.829	51.835	51.841	51.847	51.853	51.859	51.865	51.871	51.877	51.883	51.889	51.895	51.901	51.907	51.913	51.919	51.925	51.931	51.937	51.943	51.949	51.955	51.961	51.967	51.973	51.979	51.985	51.991	51.997	52.003	52.009	52.015	52.021	52.027	52.033	52.039	52.045	52.051	52.057	52.063	52.069	52.075	52.081	52.087	52.093	52.099	52.105	52.111	52.117	52.123	52.129	52.135	52.141	52.147	52.153	52.159	52.165	52.171	52.177	52.183	52.189	52.195	52.201	52.207	52.213	52.219	52.225	52.231	52.237	52.243	52.249	52.255	52.261	52.267	52.273	52.279	52.285	52.291	52.297	52.303	52.309	52.315	52.321	52.327	52.333	52.339	52.345	52.351	52.357	52.363	52.369	52.375	52.381	52.387	52.393	52.399	52.405	52.411	52.417	52.423	52.429	52.435	52.441	52.447	52.453	52.459	52.465	52.471	52.477	52.483	52.489	52.495	52.501	52.507	52.513	52.519	52.525	52.531	52.537	52.543	52.549	52.555	52.561	52.567	52.573	52.579	52.585	52.591	52.597	52.603	52.609	52.615	52.621	52.627	52.633	52.639	52.645	52.651	52.657	52.663	52.669	52.675	52.681	52.687	52.693	52.699	52.705	52.711	52.717	52.723	52.729	52.735	52.741	52.747	52.753	52.759	52.765	52.771	52.777	52.783	52.789	52.795	52.801	52.807	52.813	52.819	52.825	52.831	52.837	52.843	52.849	52.855	52.861	52.867	52.873	52.879	52.885	52.891	52.897	52.903	52.909	52.915	52.921	52.927	52.933	52.939	52.945	52.951	52.957	52.963	52.969	52.975	52.981	52.987	52.993	52.999	53.005	53.011	53.017	53.023	53.029	53.035	53.041	53.047	53.053	53.059	53.065	53.071	53.077	53.083	53.089	53.095	53.101	53.107	53.113	53.119	53.125	53.131	53.137	53.143	53.149	53.155	53.161	53.167	53.173	53.179	53.185	53.191	53.197	53.203	53.209	53.215	53.221	53.227	53.233	53.239	53.245	53.251	53.257	53.263	53.269	53.275	53.281	53.287	53.293	53.299	53.305	53.311	53.317	53.323	53.329	53.335	53.341	53.347	53.353	53.359	53.365	53.371	53.377	53.383	53.389	53.395	53.401	53.407	53.413	53.419	53.425	53.431	53.437	53.443	53.449	53.455	53.461	53.467	53.473	53.479	53.485	53.491	53.497	53.503	53.509	53.515	53.521	53.527	53.533	53.539	53.545	53.551	53.557	53.563	53.569	53.575	53.581	53.587	53.593	53.599	53.605	53.611	53.617	53.623	53.629	53.635	53.641	53.647	53.653	53.659	53.665	53.671	53.677	53.683	53.689	53.695	53.701	53.707	53.713	53.719	53.725	53.731	53.737	53.743	53.749	53.755	53.761	53.767	53.773	53.779	53.785	53.791	53.797	53.803	53.809	53.815	53.821	53.827	53.833	53.839	53.845	53.851	53.857	53.863	53.869	53.875	53.881	53.887	53.893	53.899	53.905	53.911	53.917	53.923	53.929	53.935	53.941	53.947	53.953	53.959	53.965	53.971	53.977	53.983	53.989	53.995	54.001	54.007	54.013	54.019	54.025	54.031	54.037	54.043	54.049	54.055	54.061	54.067	54.073	54.079	54.085	54.091	54.097	54.103	54.109	54.115	54.121	54.127	54.133	54.139	54.145	54.151	54.157	54.163	54.169	54.175	54.181	54.187	54.193	54.199	54.205	54.211	54.217	54.223	54.229	54.235	54.241	54.247	54.253	54.259	54.265	54.271	54.277	54.283	54.289	54.295	54.301	54.307	54.313	54.319	54.325	54.331	54.337	54.343	54.349	54.355	54.361	54.367	54.373	54.379	54.385	54.391	54.397	54.403	54.409	54.415	54.421	54.427	54.433	54.439	54.445	54.451	54.457	54.463	54.469	54.475	54.481	54.487	54.493	54.499	54.505	54.511	54.517	54.523	54.529	54.535	54.541	54.547	54.553	54.559	54.565	54.571	54.577	54.583	54.589	54.595	54.601	54.607	54.613	54.619	54.625	54.631	54.637	54.643	54.649	54.655	54.661	54.667	54.673	54.679	54.685	54.691	54.697	54.703	54.709	54.715	54.721	54.727	54.733	54.739	54.745	54.751	54.757	54.763	54.769	54.775	54.781	54.787	54.793	54.799	54.805	54.811	54.817	54.823	54.829	54.835	54.841	54.847	54.853	54.859	54.865	54.871	54.877	54.883	54.889	54.895	54.901	54.907	54.913	54.919	54.925	54.931	54.937	54.943	54.949	54.955	54.961	54.967	54.973	54.979	54.985	54.991	54.997	55.003	55.009	55.015	55.021	55.027	55.033	55.039	55.045	55.051	55.057	55.063	55.069	55.075	55.081	55.087	55.093	55.099	55.105	55.111	55.117	55.123	55.129	55.135	55.141	55.147	55.153	55.159	55.165	55.171	55.177	55.183	55.189	55.195	55.201	55.207	55.213	55.219	55.225	55.231	55.237	55.243	55.249	55.255	55.261	55.267	55.273	55.279	55.285	55.291	55.297	55.303	55.309	55.315	55.321	55.327	55.333	55.339	55.345	55.351	55.357	55.363	55.369	55.375	55.381	55.387	55.393	55.399	55.405	55.411	55.417	55.423	55.429	55.435	55.441	55.447	55.453	55.459	55.465	55.471	55.477	55.483	55.489	55.495	55.501	55.507	55.513	55.519	55.525	55.531	55.537	55.543	55.549	55.555	55.561	55.567	55.573	55.579	55.585	55.591	55.597	55.603	55.609	55.615	55.621	55.627	55.633	55.639	55.645	55.651	55.657	55.663	55.669	55.675	55.681	55.687	55.693	55.699	55.705	55.711	55.717	55.723	55.729	55.735	55.741	55.747	55.753	55.759	55.765	55.771	55.777	55.783	55.789	55.795	55.801	55.807	55.813	55.819	55.825	55.831	55.837	55.843	55.849	55.855	55.861	55.867	55.873	55.879	55.885	55.891	55.897	55.903	55.909	55.915	55.921	55.927	55.933	55.939	55.945	55.951	55.957	55.963	55.969	55.975	55.981	55.987	55.993	55.999	56.005	56.011	56.017	56.023	56.029	56.035	56.041	56.047	56.053	56.059	56.065	56.071	56.077	56.083	56.089	56.095	56.101	56.107	56.113	56.119	56.125	56.131	56.137	56.143	56.149	56.155	56.161	56.167	56.173	56.179	56.185	56.191	56.197	56.203	56.209	56.215	56.221	56.227	56.233	56.239	56.245	56.251	56.257	56.263	56.269	56.275	56.281	56.287	56.293	56.299	56.305	56.311	56.317	56.323	56.329	56.335	56.341	56.347	56.353	56.359	56.365	56.371	56.377	56.383	56.389	56.395	56.401	56.407	56.413	56.419	56.425	56.431	56.437	56.443	56.449	56.455	56.461	56.467	56.473	56.479	56.485	56.491	56.497	56.503	56.509	56.515	56.521	56.527	56.533	56.539	56.545	56.551	56.557	56.563	56.569	56.575	56.581	56.587	56.593	56.599	56.605	56.611	56.617	56.623	56.629	56.635	56.641	56.647	56.653	56.659	56.665	56.671	56.677	56.683	56.689	56.695	56.701	56.707	56.713	56.719	56.725	56.731	56.737	56.743	56.749	56.755	56.761	56.767	56.773	56.779	56.785	56.791	56.797	56.803	56.809	56.815	56.821	56.827	56.833	56.839	56.845	56.851	56.857	56.863	56.869	56.875	56.881	56.887	56.893	56.899	56.905	56.911	56.917	56.923	56.929	56.935	56.941	56.947	56.953	56.959	56.965	56.971	56.977	56.983	56.989	56.995	57.001	57.007	57.013	57.019	57.025	57.031	57.037	57.043	57.049	57.055	57.061	57.067	57.073	57.079	57.085	57.091	57.097	57.103	57.109	57.115	57.121	57.127	57.133	57.139	57.145	57.151	57.157	57.163	57.169	57.175	57.181	57.187	57.193	57.199	57.205	57.211	57.217	57.223	57.229	57.235	57.241	57.247	57.253	57.259	57.265	57.271	57.277	57.283	57.289	57.295	57.301	57.307	57.313	57.319	57.325	57.331	57.337	57.343	57.349	57.355	57.361	57.367	57.373	57.379	57.385	57.391	57.397	57.403	57.409	57.415	57.421	57.427	57.433	57.439	57.445	57.451	57.457	57.463	57.469	57.475	57.481	57.487	57.493	57.499	57.505	57.511	57.517	57.523	57.529	57.535	57.541	57.547	57.553	57.559	57.565	57.571	57.577	57.583	57.589	57.595	57.601	57.607	57.613	57.619	57.625	57.631	57.637	57.643	57.649	57.655	57.661	57.667	57.673	57.679	57.685	57.691	57.697	57.703	57.709	57.715	57.721	57.727	57.733	57.739	57.745	57.751	57.757	57.763	57.769	57.775	57.781	57.787	57.793	57.799	57.805	57.811	57.817	57.823	57.829	57.835	57.841	57.847	57.853	57.859	57.865	57.871	57.877	57.883	57.889	57.895	57.901	57.907	57.913	57.919	57.925	57.931	57.937	57.943	57.949	57.955	57.961	57.967	57.973	57.979	57.985	57.991	57.997	58.003	58.009	58.015	58.021	58.027	58.033	58.039	58.045	58.051	58.057	58.063	58.069	58.075	58.081	58.087	58.093	58.099	58.105	58.111	58.117	58.123	58.129	58.135	58.141	58.147	58.153	58.159	58.165	58.171	58.177	58.183	58.189
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LEGENDA

MEIO FIO DE CONCRETO PRÉ MOLDADO

CAIXA DE CAPTAÇÃO SIMPLES
ENTRADA DE MEIO FIO

CAIXA DE LIGAÇÃO

TUBO CONCRETO MF - 400MM

TUBO CONCRETO MF - 500MM

TUBO CONCRETO MF - 600MM

CAIXA COLETORA COM GRELHA
DE FERRO FUNDIDO

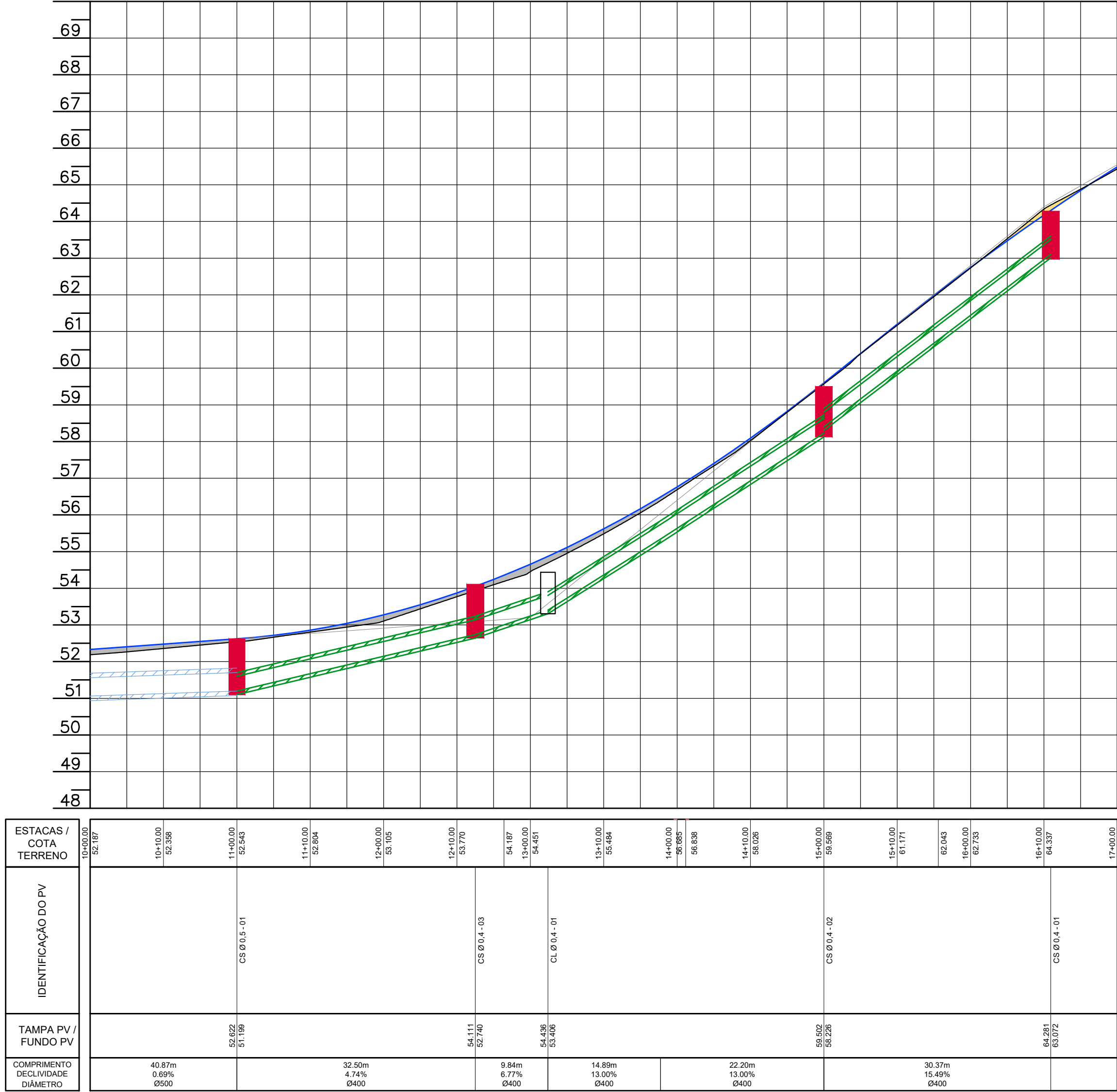
FLUXO DE DRENAGEM EXISTENTE
VALA / RIO EXISTENTE

CADASTRO - CONSTRUÇÕES
EXISTENTES

POSTE EXISTENTE

ENTRADA/SAÍDA DE BUEIRO

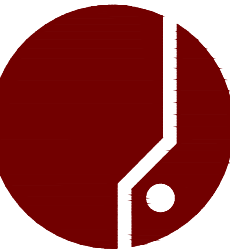
70 PERFIL LONGITUDINAL – Alinhamento – ESTRADA GERAL CAMPO NOVO



DRENAGEM PLUVIAL

MUNICÍPIO TIJUCAS – SC

OBRA		CONTEÚDO	
ESTRADA GERAL CAMPO NOVO		PROJETO DE DRENAGEM PLUVIAL PERFIL LONGITUDINAL DE DRENAGEM	
PROJETO		APROVAÇÃO DA PREFEITURA	
<div> VINICIUS FELLER Engenheiro Civil CREA/SC 147.982-3</div>			
REVISÃO		DATA	PRANCHA
VERSÃO INICIAL		JUNHO/2021	02/03



ASSOCIAÇÃO DOS MUNICÍPIOS
DA REGIÃO DA GRANDE FLORIANÓPOLIS
"GRANFOPOLIS"
ASSESSORIA DE ENGENHARIA E ARQUITETURA

TABELA DE ESTRUTURAS DA REDE DRENAGEM		
NOME	COTAS	PROFUNDIDADE (m)
BOCA DE BUEIRO - EST. 61.65		0.88
CC - II - EST. 15.80	CT= 50.09 CF= 48.99	1.10
CS - EST. 14.86	CT= 50.22 CF= 48.96	1.26
CS - EST. 49.98	CT= 50.67 CF= 49.23	1.44
CS - EST. 53.34	CT= 50.78 CF= 49.19	1.58
CC - II - EST. 99.55	CT= 51.25 CF= 50.12	1.12
CS - EST. 100.18	CT= 51.34 CF= 49.97	1.38
CC - II - EST. 146.72	CT= 51.62 CF= 50.52	1.10
CS - EST. 145.61	CT= 51.75 CF= 50.43	1.33
CC - II - EST. 180.79	CT= 51.96 CF= 50.86	1.10
CS - EST. 179.13	CT= 52.02 CF= 50.83	1.19
CC - II - EST. 220.24	CT= 52.53 CF= 51.43	1.10
CS - EST. 220.00	CT= 52.62 CF= 51.20	1.42
CS - EST. 252.50	CT= 54.11 CF= 52.74	1.37
CL - EST. 262.40	CT= 54.84 CF= 53.41	1.43
CC - II - EST. 264.20	CT= 54.94 CF= 53.84	1.10
CS - EST. 300.00	CT= 59.50 CF= 58.23	1.28
CC - II - EST. 301.70	CT= 59.78 CF= 58.68	1.10
CS - EST. 330.93	CT= 64.28 CF= 63.07	1.21
CC - II - EST. 330.94	CT= 64.35 CF= 63.10	1.25

TABELA DE TUBOS DA REDE DRENAGEM			
TUBO	DN (m)	COMPRIMENTO (m)	DECLIVIDADE (%)
BSTC DN 0.40M CONCRETO - EST. 15.80	0.40	7	0.5%
BSTC DN 0.40M CONCRETO - EST. 99.55	0.40	7	2.3%
BSTC DN 0.40M CONCRETO - EST. 146.72	0.40	7	0.5%
BSTC DN 0.40M CONCRETO - EST. 180.79	0.40	7	0.5%
BSTC DN 0.40M CONCRETO - EST. 220.24	0.40	6	0.5%
BSTC DN 0.40M CONCRETO - EST. 264.20	0.40	5	2.1%
BSTC DN 0.40M CONCRETO - EST. 301.70	0.40	7	4.2%
BSTC DN 0.40M CONCRETO - EST. 330.94	0.40	6	0.5%
BSTC DN 0.40M CONCRETO - EST. 330.93	0.40	30	15.5%
BSTC DN 0.40M CONCRETO - EST. 49.98	0.40	7	0.5%
BSTC DN 0.40M CONCRETO - EST. 14.86	0.40	35	0.2%
BSTC DN 0.40M CONCRETO - EST. 252.50	0.40	33	4.7%
BSTC DN 0.40M CONCRETO - EST. 262.40	0.40	10	6.8%
BSTC DN 0.40M CONCRETO - EST. 277.75	0.40	15	13.0%
BSTC DN 0.40M CONCRETO - EST. 300.00	0.40	22	13.0%
BSTC DN 0.50M CONCRETO - EST. 179.13	0.50	33	1.5%
BSTC DN 0.50M CONCRETO - EST. 220.00	0.50	41	0.7%
BSTC DN 0.60M CONCRETO - EST. 53.34	0.60	60	0.8%
BSTC DN 0.60M CONCRETO - EST. 100.18	0.60	47	1.2%
BSTC DN 0.60M CONCRETO - EST. 145.61	0.60	45	0.7%

SAÍDA DE BUEIRO

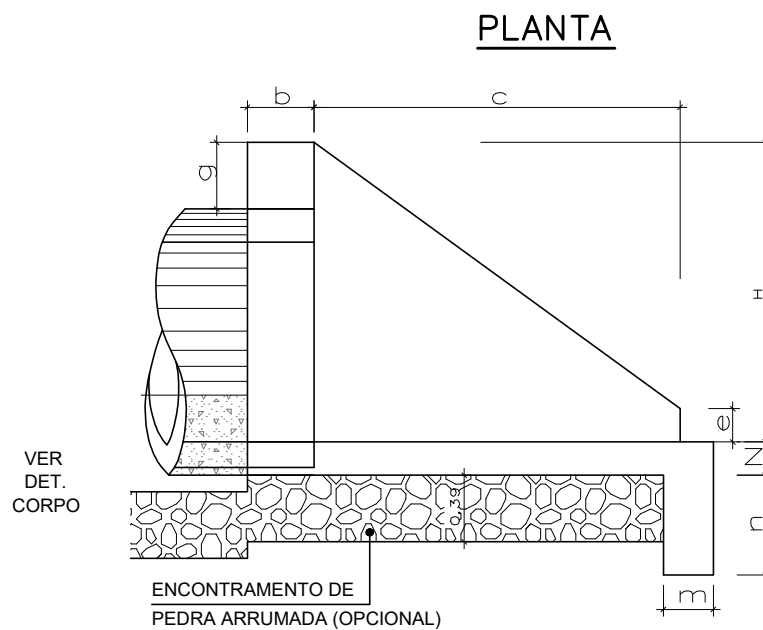
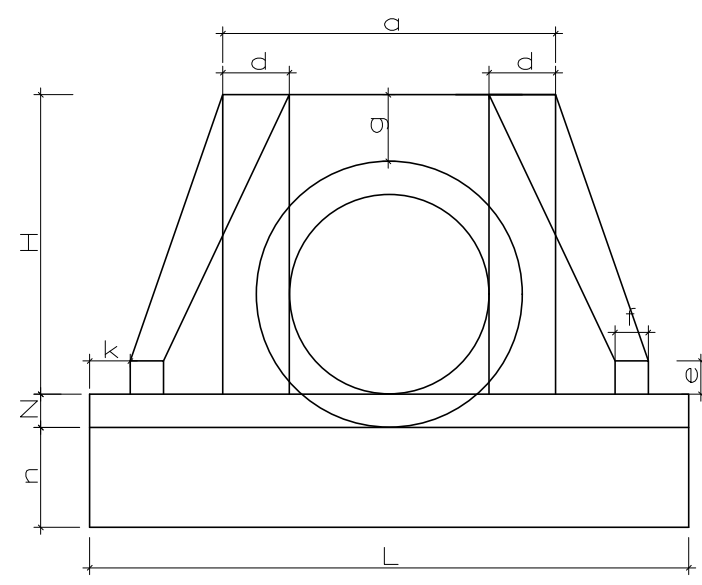
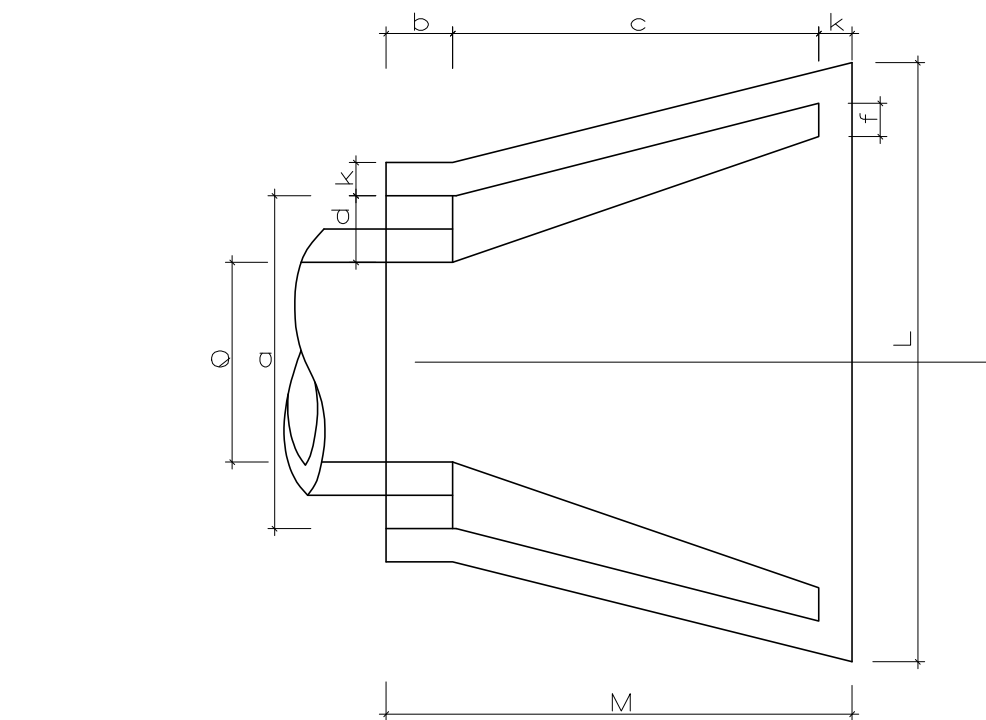
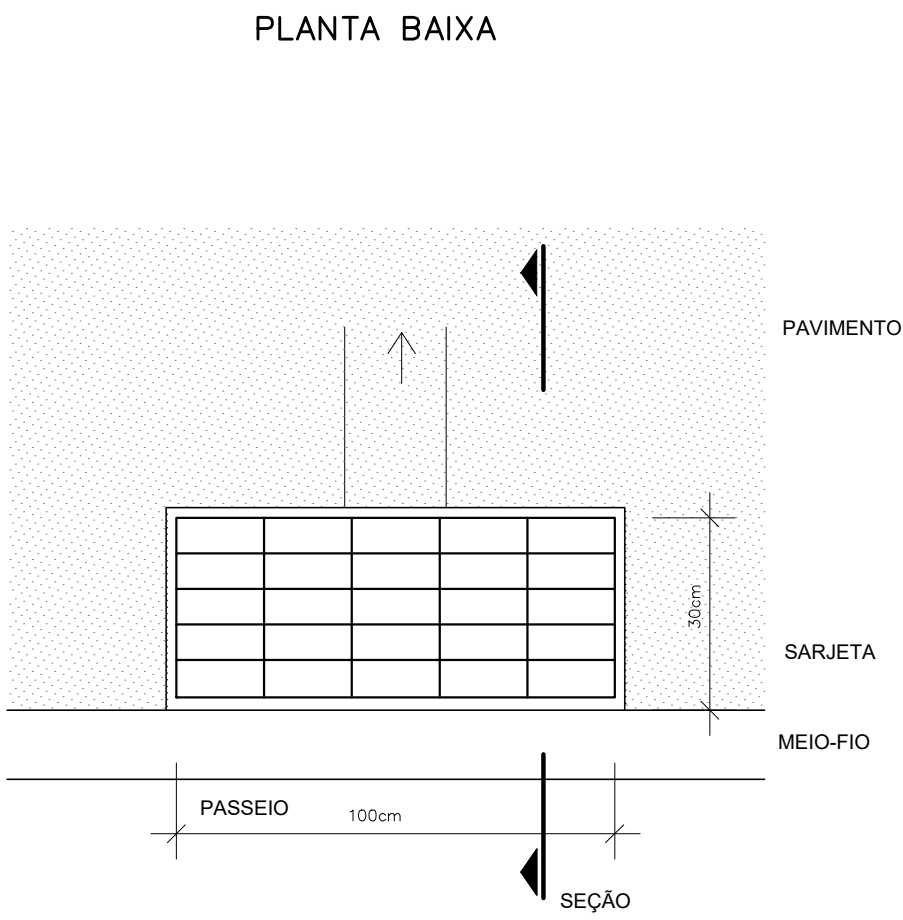
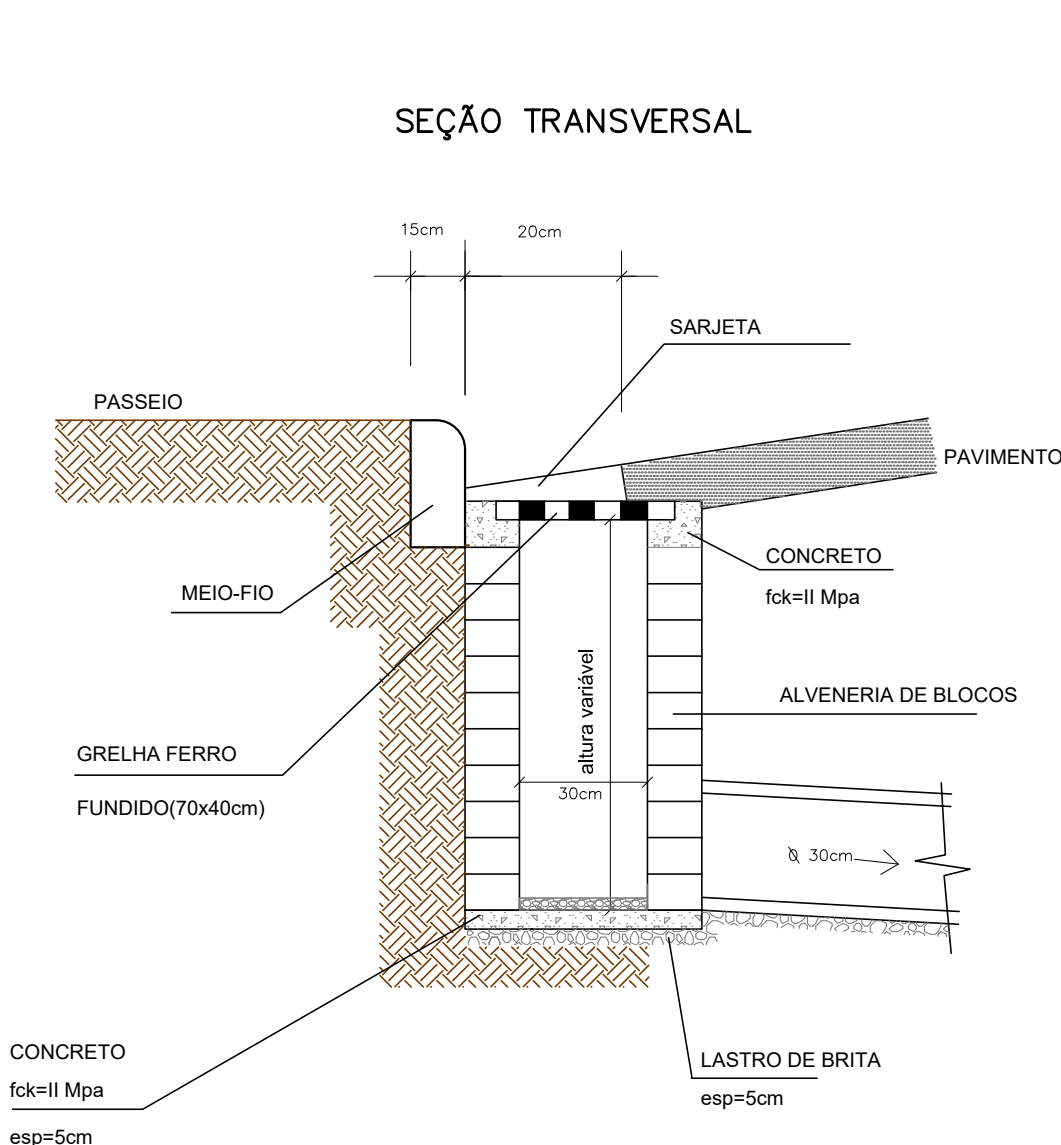


TABELA														CONSUMO DE MATERIAL			
POSICOES TIPO	a	b	c	d	e	f	g	k	m	n	H	L	M	N	VOLUME CONCRETO m³	FORMA m²	ENROC. PEDRA ARRUM.
BST N 0,40	0,80	0,20	0,90	0,20	0,10	0,10	0,20	0,10	0,15	0,30	0,80	1,40	1,20	0,10	0,492	3,75	0,297
BST N 0,60	1,00	0,20	1,10	0,20	0,15	0,10	0,20	0,10	0,15	0,30	0,88	1,60	1,40	0,10	0,559	4,27	0,338
BST N 0,80	1,20	0,20	1,40	0,20	0,15	0,10	0,20	0,10	0,15	0,30	1,10	1,70	1,70	0,10	0,813	4,88	0,440
BST N 1,00	1,40	0,20	1,71	0,20	0,20	0,15	0,20	0,10	0,15	0,30	1,32	2,20	2,01	0,10	1,225	6,96	0,686
BST N 1,20	1,60	0,20	1,87	0,20	0,25	0,15	0,20	0,10	0,15	0,30	1,63	2,46	2,17	0,10	1,393	9,52	0,836
BST N 1,50	2,10	0,20	2,30	0,30	0,30	0,20	0,20	0,10	0,15	0,30	1,85	3,00	2,60	0,10	2,580	14,32	1,325

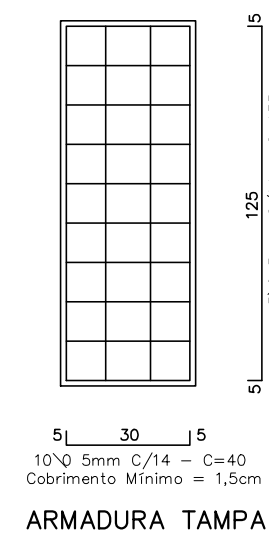
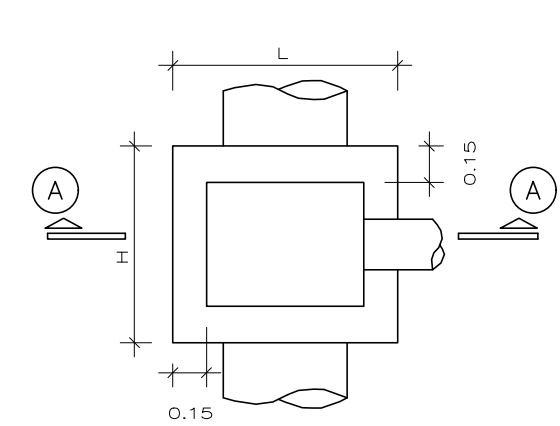
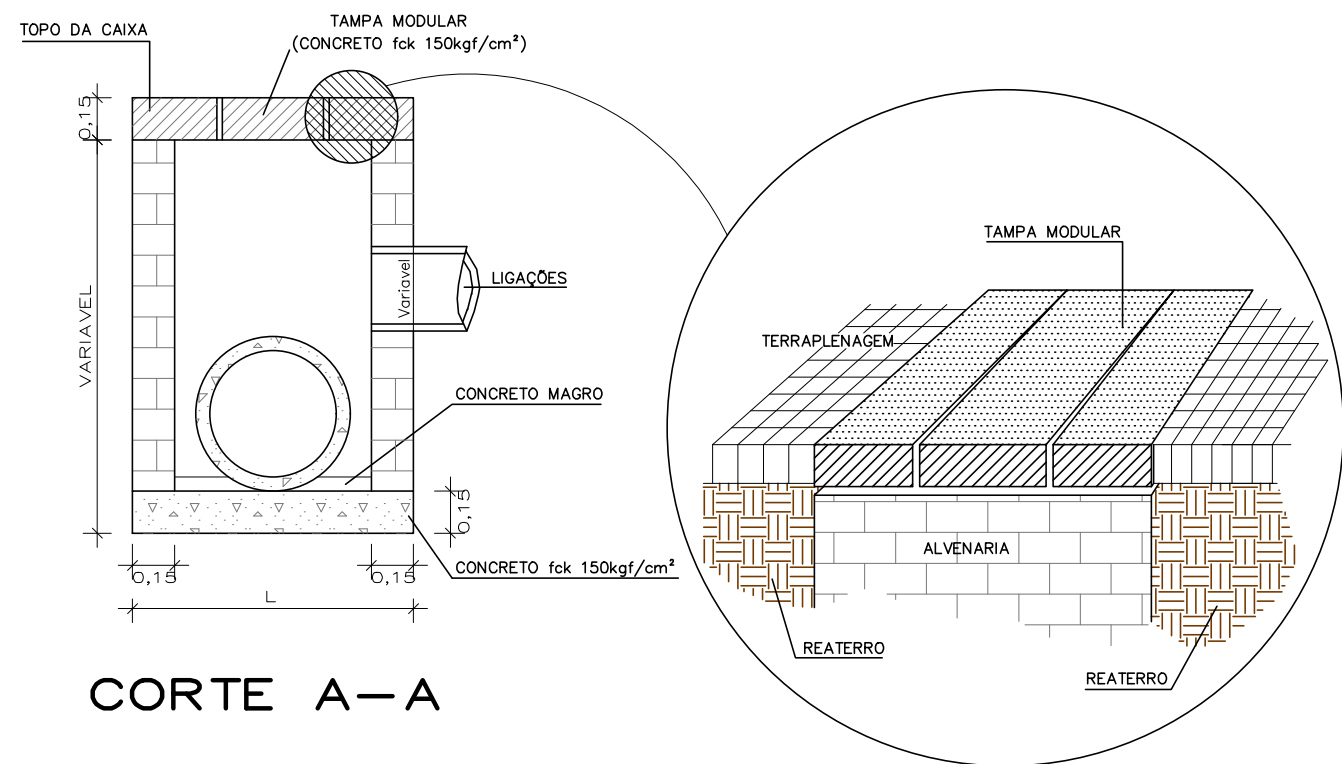
OBS: 1 - O CONSUMO DE MATERIAIS SE REFERE A UMA BOCA
2 - UTILIZAR CONCRETO fck = 150kg/cm²

CAIXA COLETORA – TIPO 2



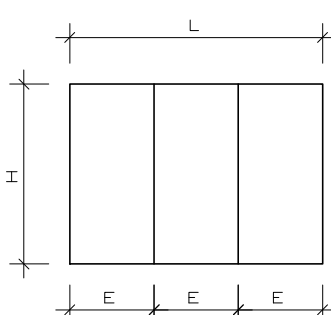
CONSUMO DE MATERIAIS			
ITEM	DESCRIÇÃO	UN	QUANTIDADE
01	CONCRETO fck=11Mpa	m3	0,038
02	ALVENARIA DE BLOCOS P/H=1.00	m2	2,55
03	GRELHA DE FERRO FUNDIDO	UN	1

CAIXA DE LIGAÇÃO



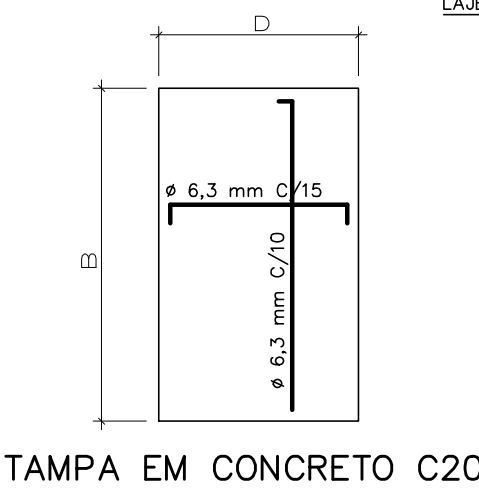
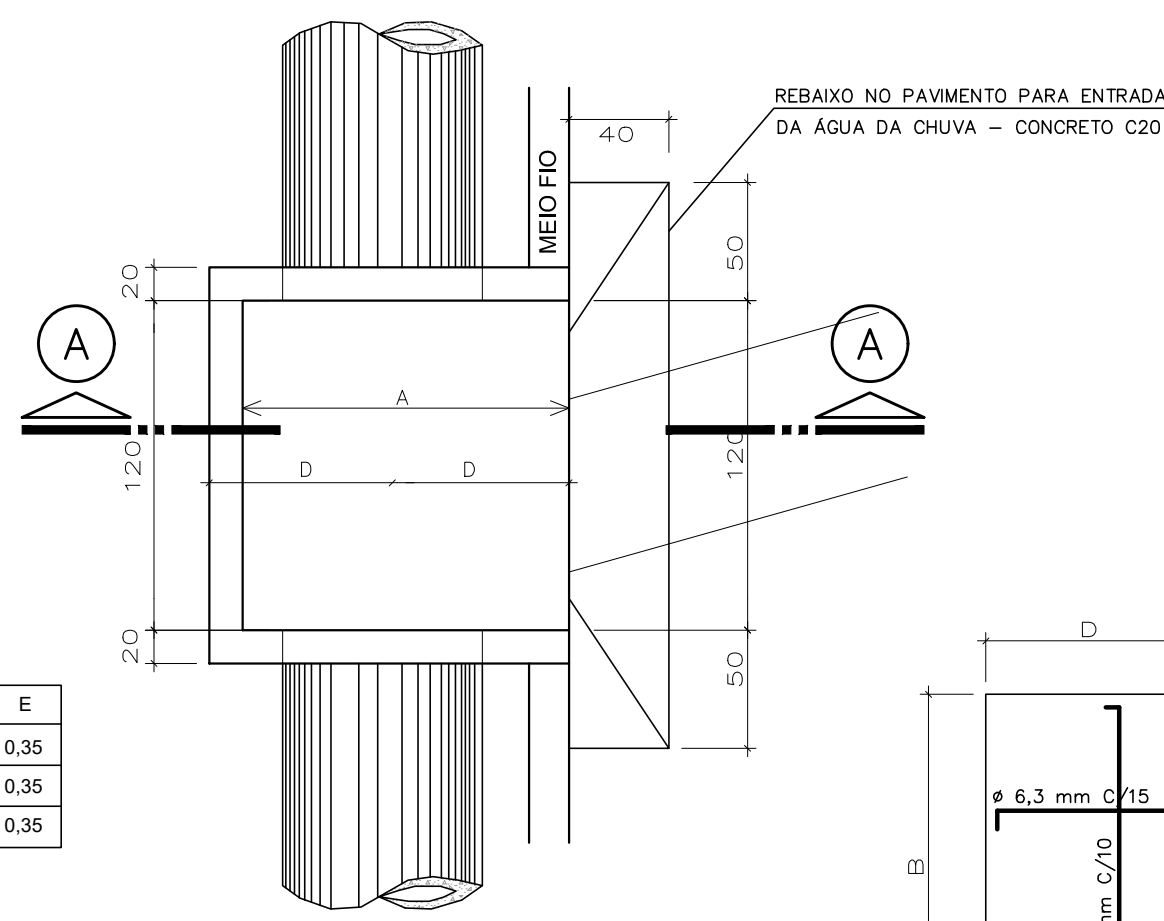
TUBO	H	L	E
N 0.40	1.30	0.70	0.35
N 0.60	1.30	1.05	0.35
N 0.80	1.30	1.40	0.35

TABELA

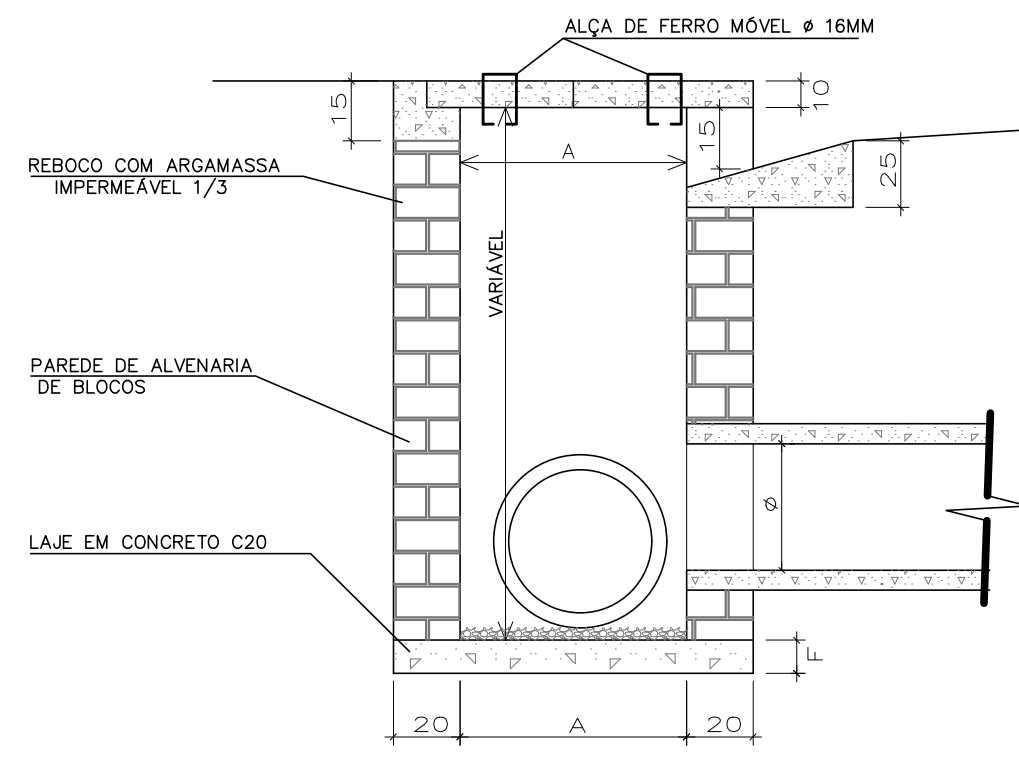


TAMPA MODULAR

CAIXA COLETORA SIMPLES



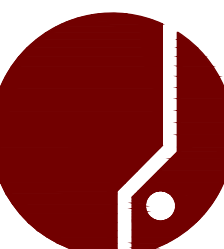
TAMPA EM CONCRETO C20



CORTE A-A

DRENAGEM PLUVIAL

MUNICÍPIO		TIJUCAS – SC	
OBRA	ESTRADA GERAL CAMPO NOVO	CONTEÚDO	
PROJETO		PREJETO DE DRENAGEM PLUVIAL DETALHES CONSTRUTIVOS E TABELAS DE QUANTIDADES	
REVISÃO		APROVAÇÃO DA PREFEITURA	
VERSÃO INICIAL		DATA	PRANCHA
		JUNHO/2021	03/05



ASSOCIAÇÃO DOS MUNICÍPIOS
DA REGIÃO DA GRANDE FLORIANÓPOLIS
"GRANFOPOLIS"
ASSESSORIA DE ENGENHARIA E ARQUITETURA