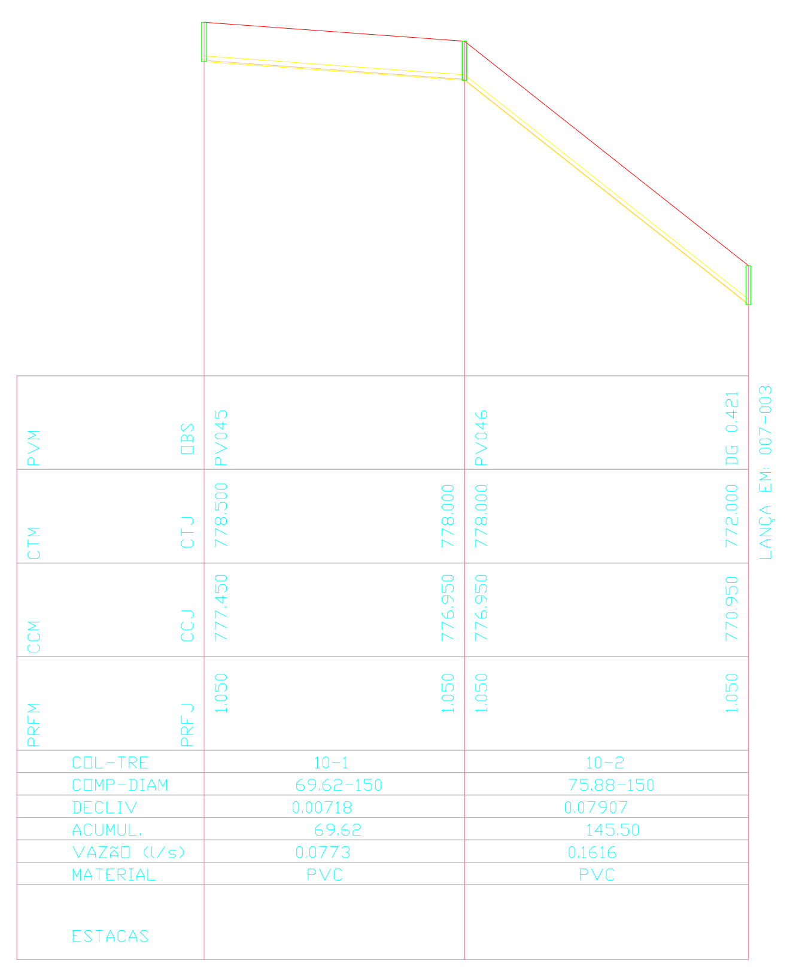
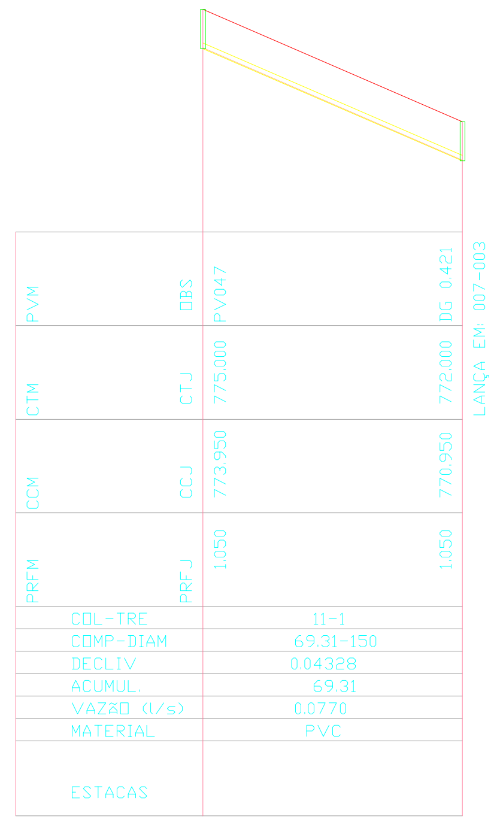


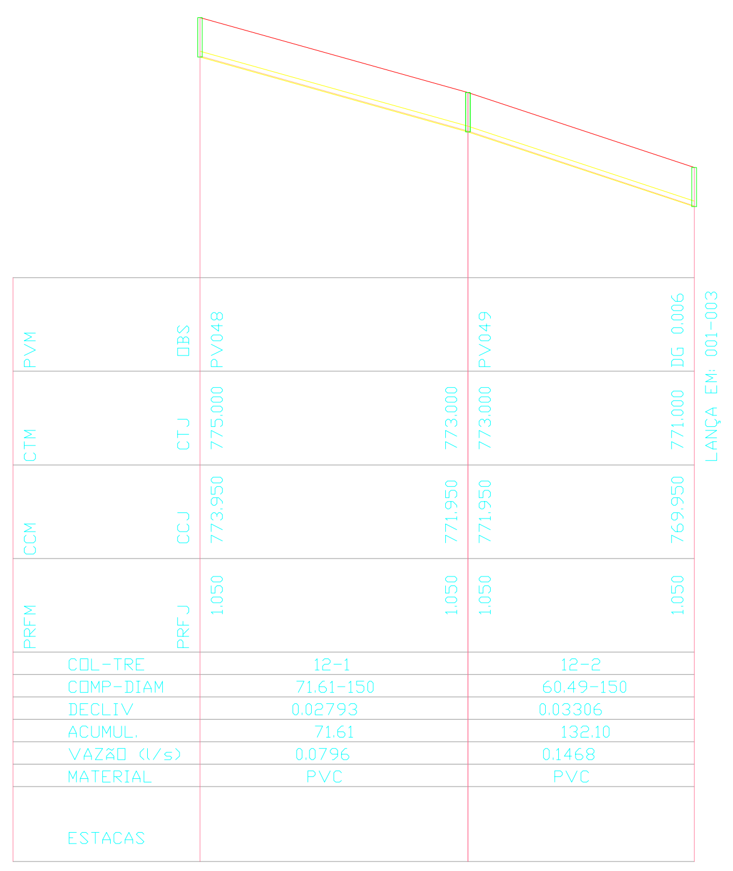
COL-TRE	PVM	OBS	CTM	CTJ	CCM	CCJ	PRFM	PRFJ	COMP-DIAM	DECLIV	ACUMUL.	VAZÃO (l/s)	MATERIAL	ESTACAS
10-1	PV045		778.500	778.000	777.450	776.950	1.050	1.050	69.62-150	0.00718	69.62	0.0773	PVC	
10-2	PV046	DG 0.421	778.000	772.000	776.950	770.950	1.050	1.050	75.88-150	0.07907	145.50	0.1616	PVC	

LANÇA EM: 007-003



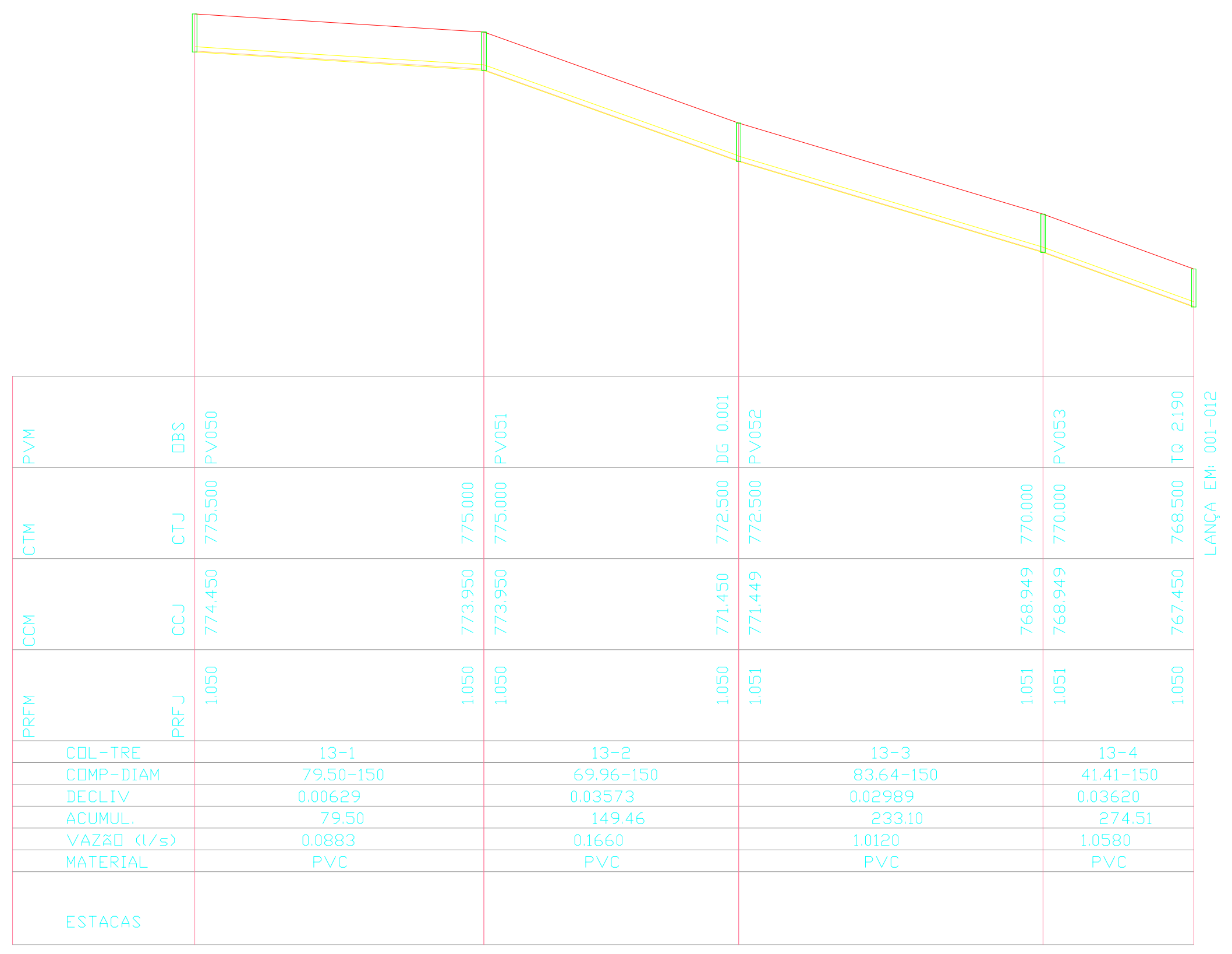
COL-TRE	PVM	OBS	CTM	CTJ	CCM	CCJ	PRFM	PRFJ	COMP-DIAM	DECLIV	ACUMUL.	VAZÃO (l/s)	MATERIAL	ESTACAS
11-1	PV047	DG 0.421	775.000	772.000	773.950	770.950	1.050	1.050	69.31-150	0.04328	69.31	0.0770	PVC	

LANÇA EM: 007-003



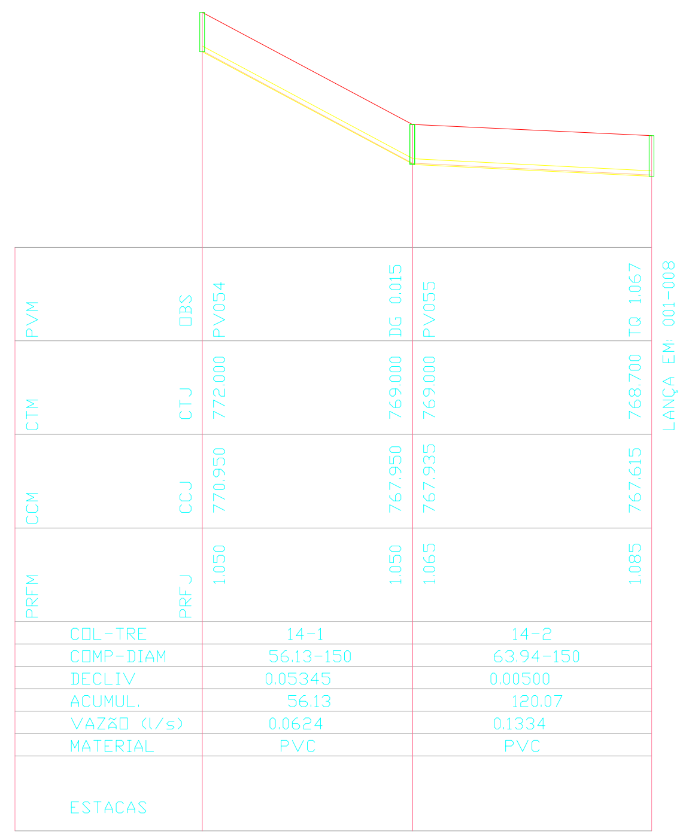
COL-TRE	PVM	OBS	CTM	CTJ	CCM	CCJ	PRFM	PRFJ	COMP-DIAM	DECLIV	ACUMUL.	VAZÃO (l/s)	MATERIAL	ESTACAS
12-1	PV048		775.000	773.000	773.950	771.950	1.050	1.050	71.61-150	0.02793	71.61	0.0796	PVC	
12-2	PV049	DG 0.006	773.000	771.000	771.950	769.950	1.050	1.050	60.49-150	0.03306	132.10	0.1468	PVC	

LANÇA EM: 001-003



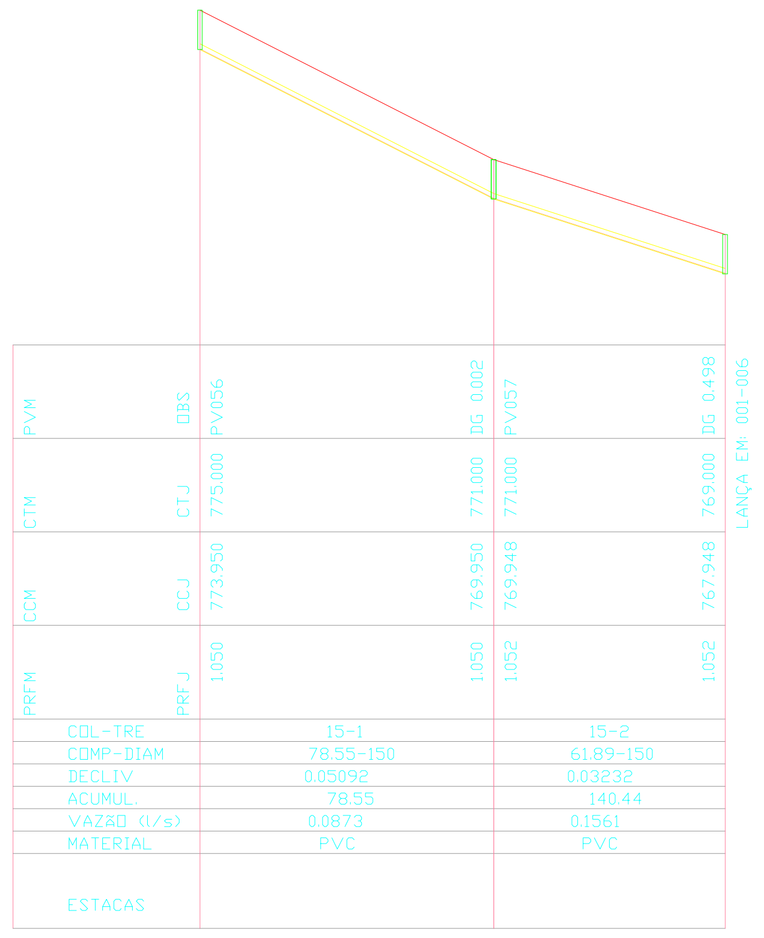
COL-TRE	PVM	OBS	CTM	CTJ	CCM	CCJ	PRFM	PRFJ	COMP-DIAM	DECLIV	ACUMUL.	VAZÃO (l/s)	MATERIAL	ESTACAS
13-1	PV050		775.500	775.000	774.450	773.950	1.050	1.050	79.50-150	0.00629	79.50	0.0883	PVC	
13-2	PV051	DG 0.001	775.000	772.500	773.950	771.450	1.050	1.050	69.96-150	0.03573	149.46	0.1660	PVC	
13-3	PV052		772.500	770.000	771.449	768.949	1.051	1.051	83.64-150	0.02989	233.10	1.0120	PVC	
13-4	PV053	TQ 2.190	770.000	768.500	768.949	767.450	1.051	1.050	41.41-150	0.03620	274.51	1.0580	PVC	

LANÇA EM: 001-012



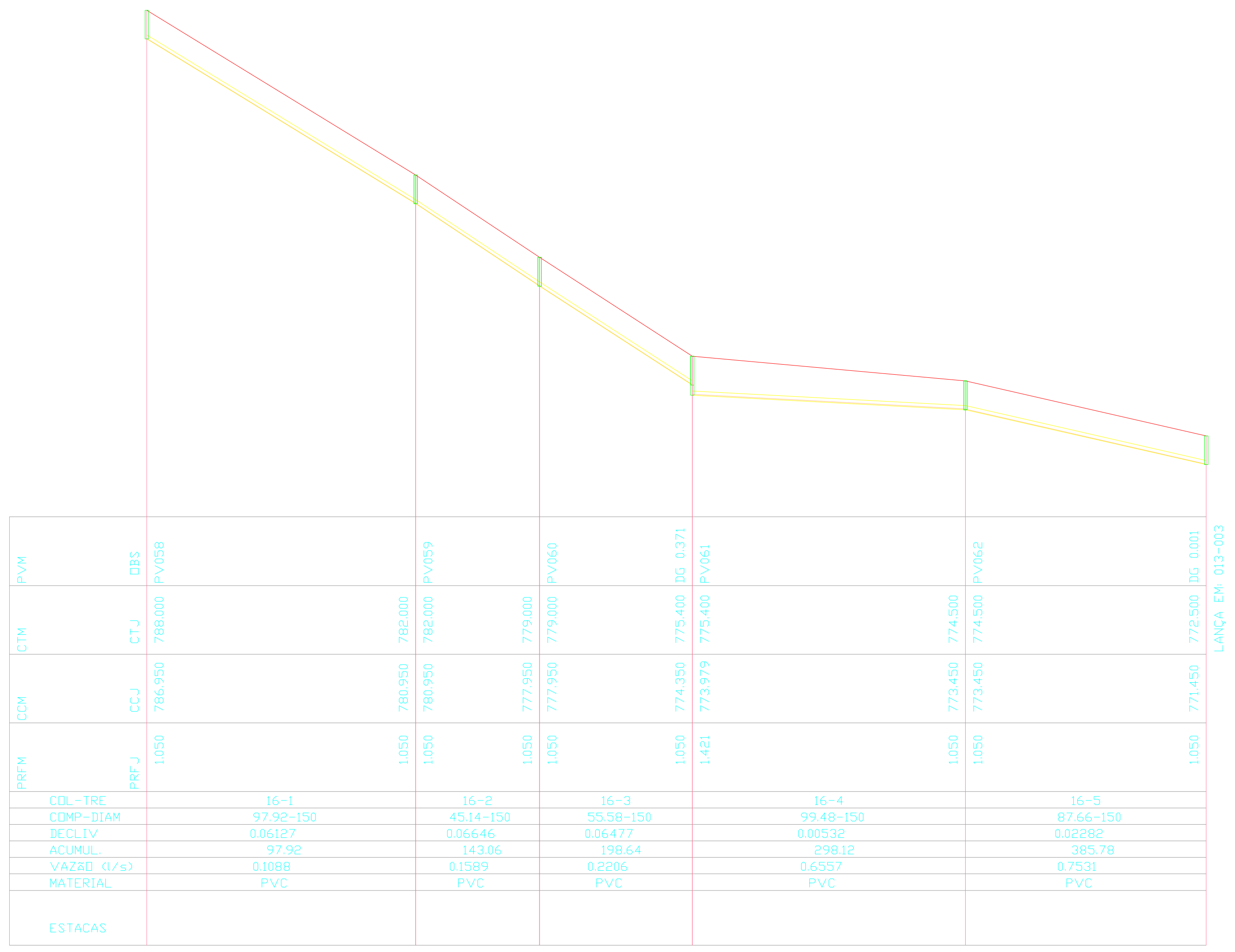
COL-TRE	PVM	OBS	CTM	CTJ	CCM	CCJ	PRFM	PRFJ	COMP-DIAM	DECLIV	ACUMUL.	VAZÃO (l/s)	MATERIAL	ESTACAS
14-1	PV054	DG 0.015	772.000	769.000	770.950	767.950	1.050	1.050	56.13-150	0.05345	56.13	0.0624	PVC	
14-2	PV055	TQ 1.067	769.000	768.700	767.935	767.615	1.065	1.085	63.94-150	0.00500	120.07	0.1334	PVC	

LANÇA EM: 001-008



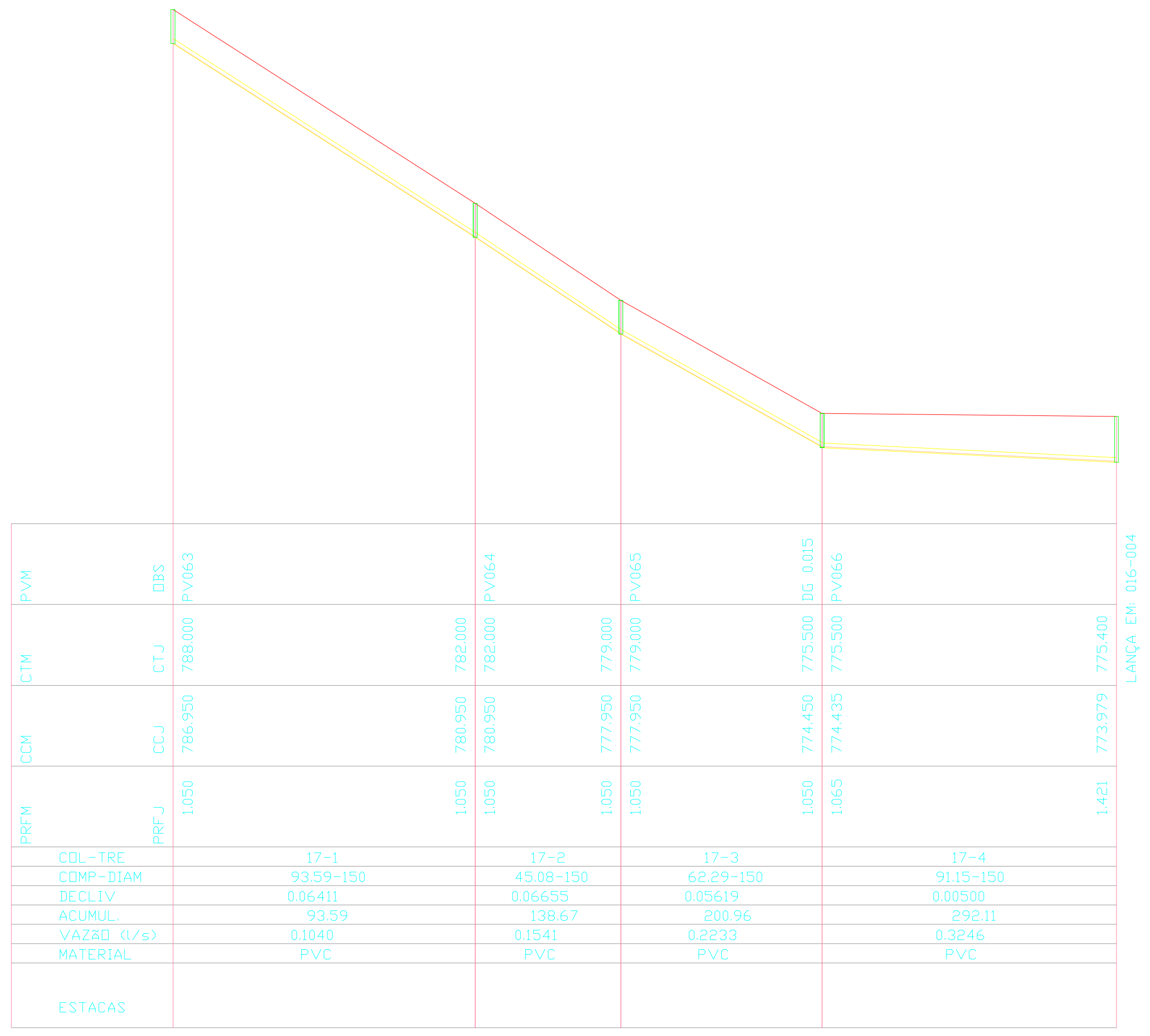
COL-TRE	PVM	OBS	CTM	CTJ	CCM	CCJ	PRFM	PRFJ	COMP-DIAM	DECLIV	ACUMUL.	VAZÃO (l/s)	MATERIAL	ESTACAS
15-1	PV056	DG 0.002	775.000	771.000	773.950	769.950	1.050	1.050	78.55-150	0.05092	78.55	0.0873	PVC	
15-2	PV057	DG 0.498	771.000	769.000	769.948	767.948	1.052	1.052	61.89-150	0.03232	140.44	0.1561	PVC	

LANÇA EM: 001-006



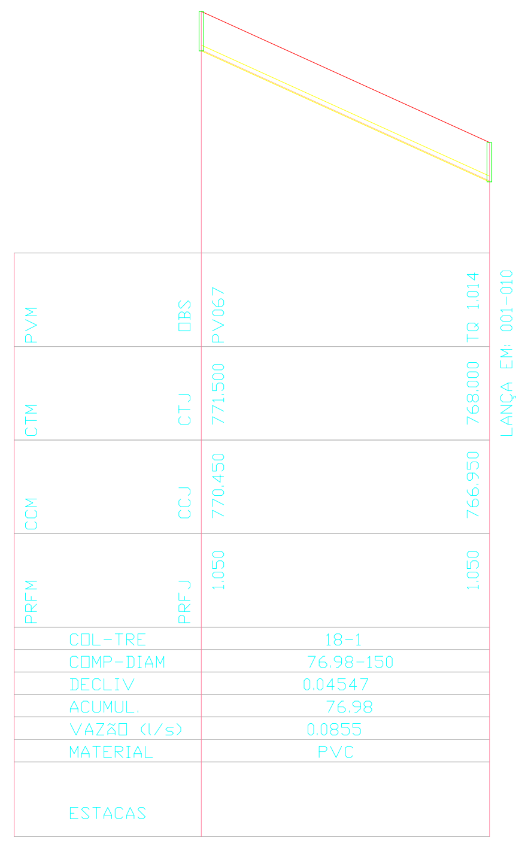
COL-TRE	PVM	OBS	CTM	CTJ	CCM	CCJ	PRFM	PRFJ	COMP-DIAM	DECLIV	ACUMUL.	VAZÃO (l/s)	MATERIAL	ESTACAS
16-1	PV058		788.000	782.000	786.950	780.950	1.050	1.050	97.92-150	0.06127	97.92	0.1088	PVC	
16-2	PV059		782.000	779.000	780.950	777.950	1.050	1.050	45.14-150	0.06646	143.06	0.1589	PVC	
16-3	PV060	DG 0.371	779.000	775.400	777.950	774.350	1.050	1.050	55.58-150	0.06477	198.64	0.2206	PVC	
16-4	PV061		775.400	774.500	773.979	773.450	1.421	1.050	99.48-150	0.00532	298.12	0.6557	PVC	
16-5	PV062	DG 0.001	774.500	772.500	773.450	771.450	1.050	1.050	87.66-150	0.02282	385.78	0.7531	PVC	

LANÇA EM: 013-003



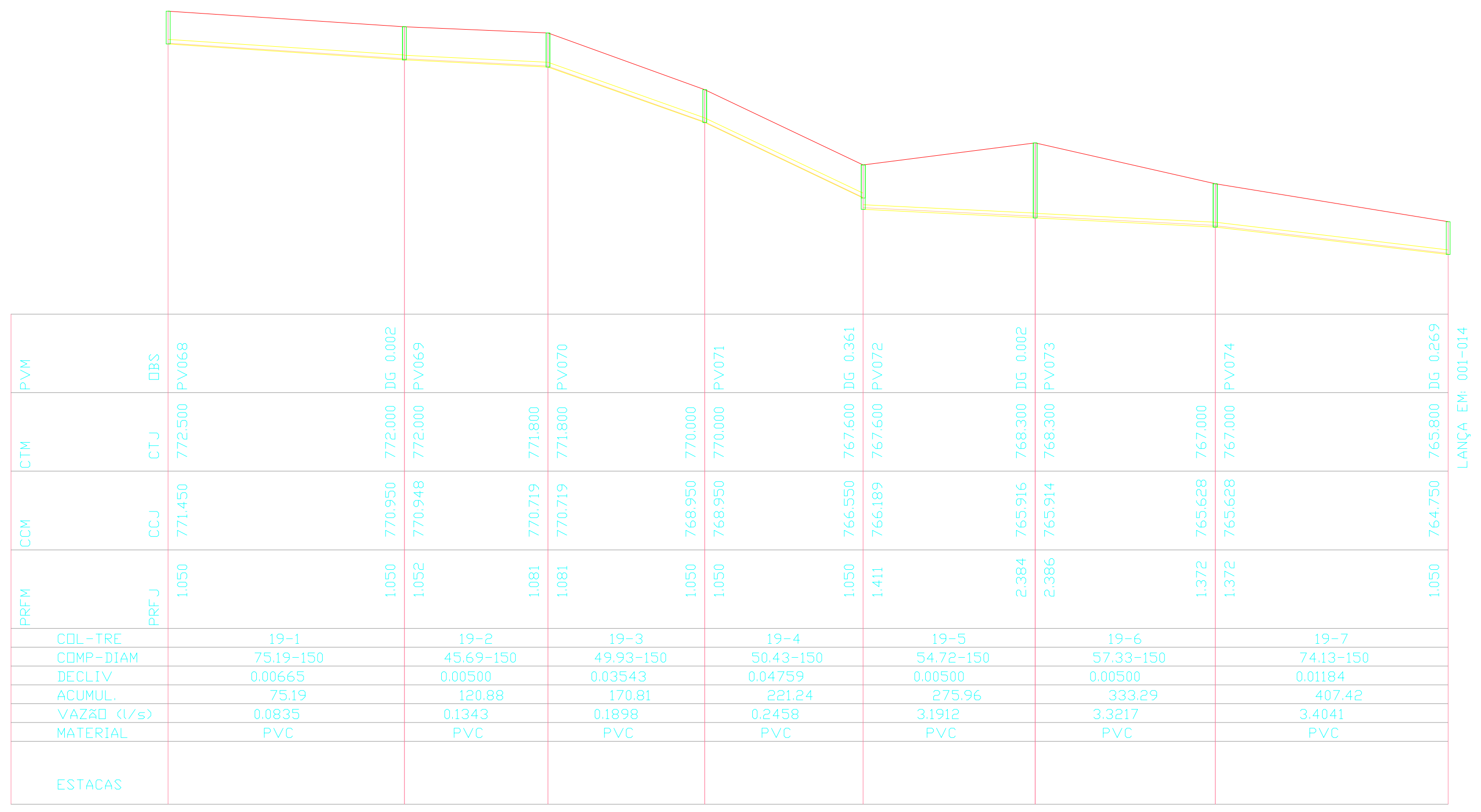
COL-TRE	PVM	OBS	CTM	CTJ	CCM	CCJ	PRFM	PRFJ	COMP-DIAM	DECLIV	ACUMUL.	VAZÃO (l/s)	MATERIAL	ESTACAS
17-1	PV063		788.000	782.000	786.950	780.950	1.050	1.050	93.59-150	0.06411	93.59	0.1040	PVC	
17-2	PV064		782.000	779.000	780.950	777.950	1.050	1.050	45.08-150	0.06655	138.67	0.1541	PVC	
17-3	PV065	DG 0.015	779.000	775.500	777.950	774.450	1.050	1.050	62.29-150	0.05619	200.96	0.2233	PVC	
17-4	PV066		775.500	775.400	774.435	773.979	1.065	1.421	91.15-150	0.00500	292.11	0.3246	PVC	

LANÇA EM: 016-004



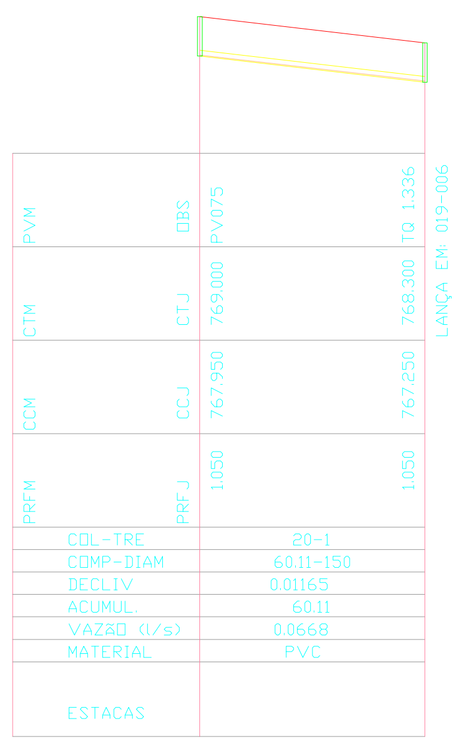
COL-TRE	PVM	OBS	CTM	CTJ	CCM	CCJ	PRFM	PRFJ	COMP-DIAM	DECLIV	ACUMUL.	VAZÃO (l/s)	MATERIAL	ESTACAS
18-1	PV067	TQ 1.014	771.500	768.000	770.450	766.950	1.050	1.050	76.98-150	0.04547	76.98	0.0855	PVC	

LANÇA EM: 001-010



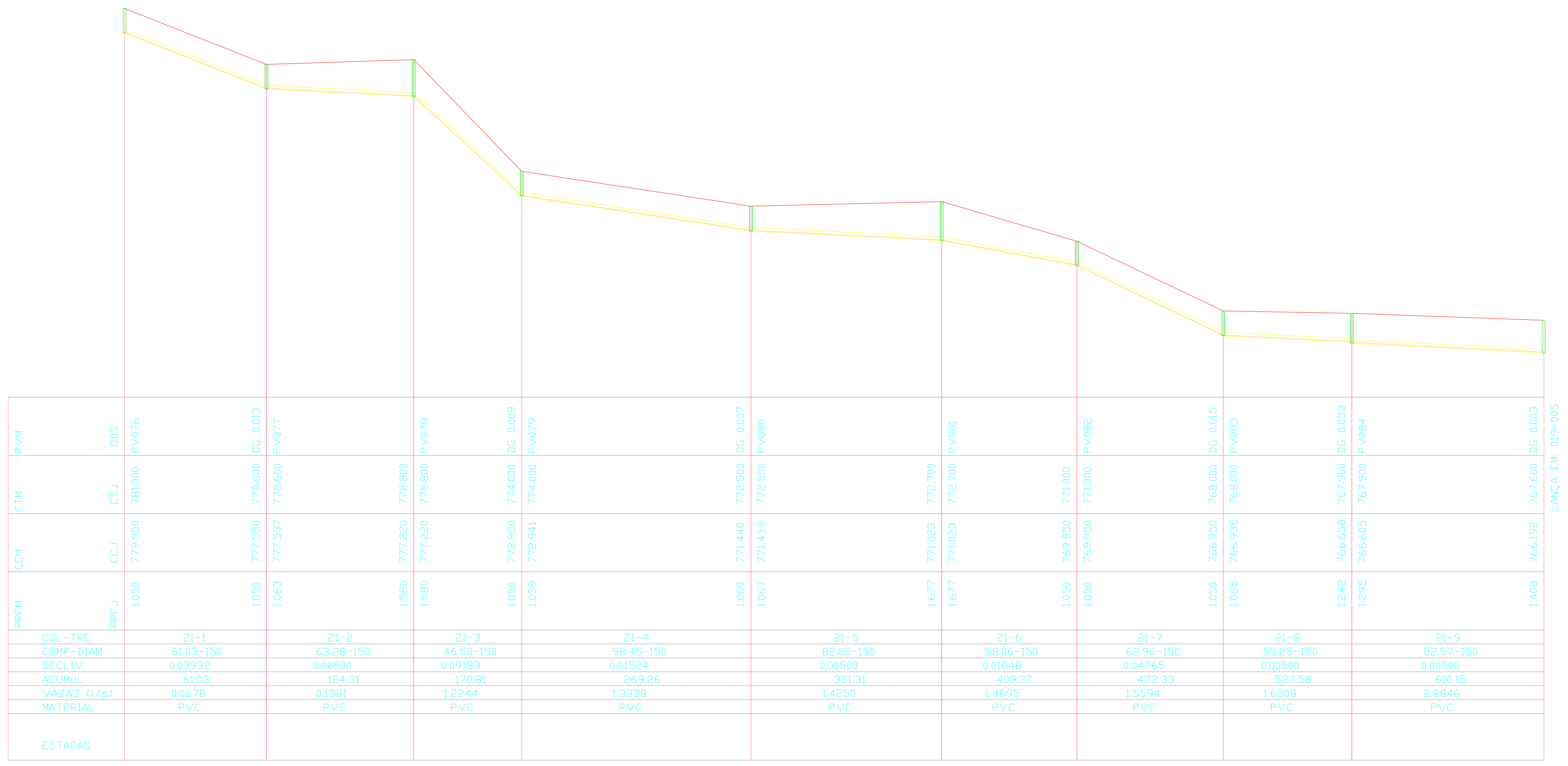
COL-TRE	PVM	OBS	CTM	CTJ	CCM	CCJ	PRFM	PRFJ	COMP-DIAM	DECLIV	ACUMUL.	VAZÃO (l/s)	MATERIAL	ESTACAS
19-1	PV068	DG 0.002	772.500	772.000	771.450	770.950	1.050	1.050	75.19-150	0.00665	75.19	0.0835	PVC	
19-2	PV069		772.000	771.800	770.948	770.719	1.052	1.081	45.69-150	0.00500	120.88	0.1343	PVC	
19-3	PV070		771.800	770.000	770.719	768.950	1.081	1.050	49.93-150	0.03543	170.81	0.1898	PVC	
19-4	PV071	DG 0.361	770.000	767.600	768.950	766.550	1.050	1.050	50.43-150	0.04759	221.24	0.2458	PVC	
19-5	PV072	DG 0.002	767.600	768.300	766.189	765.916	1.411	2.384	54.72-150	0.00500	275.96	3.1912	PVC	
19-6	PV073		768.300	767.000	765.914	765.628	2.386	1.372	57.33-150	0.00500	333.29	3.3217	PVC	
19-7	PV074	DG 0.269	767.000	765.800	765.628	764.750	1.372	1.050	74.13-150	0.01184	407.42	3.4041	PVC	

LANÇA EM: 001-014



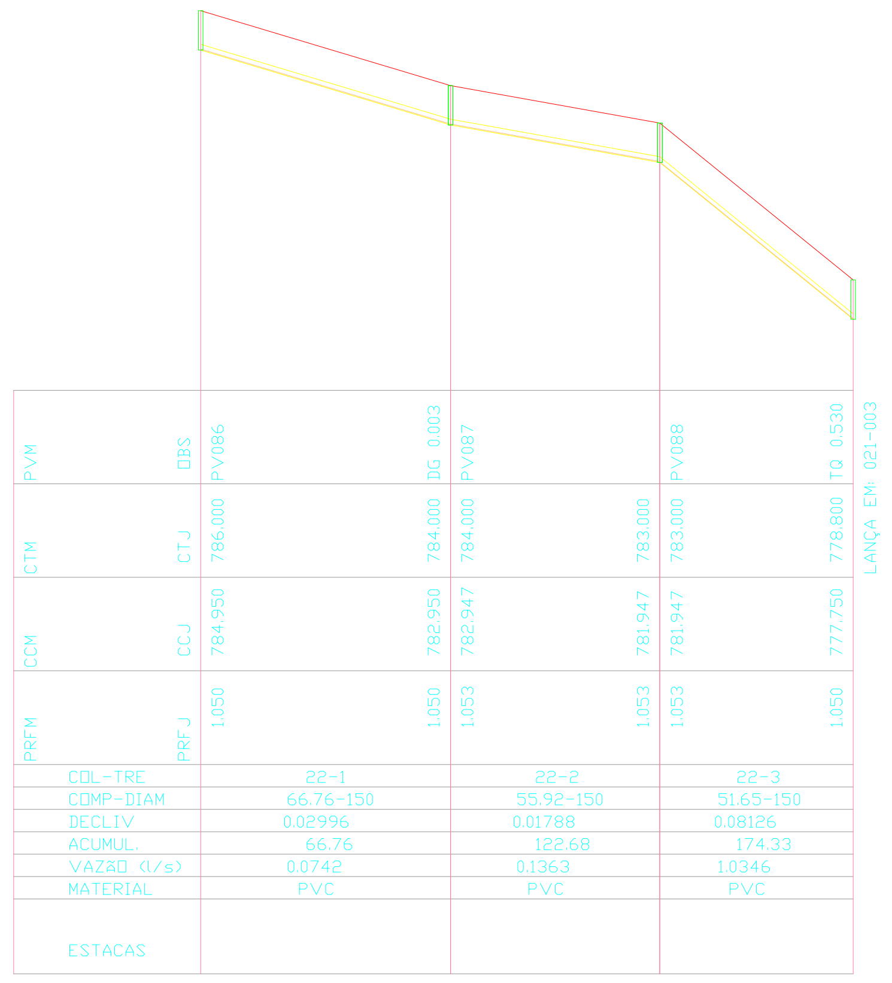
COL-TRE	PVM	OBS	CTM	CTJ	CCM	CCJ	PRFM	PRFJ	COMP-DIAM	DECLIV	ACUMUL.	VAZÃO (l/s)	MATERIAL	ESTACAS
20-1	PV075	TQ 1.336	769.000	768.300	767.950	767.250	1.050	1.050	60.11-150	0.01165	60.11	0.0668	PVC	

LANÇA EM: 019-006



COL-TRE	PVM	OBS	CTM	CTJ	CCM	CCJ	PRFM	PRFJ	COMP-DIAM	DECLIV	ACUMUL.	VAZÃO (l/s)	MATERIAL	ESTACAS
21-1	PV076	DG 0.013	781.000	778.600	779.950	777.550	1.050	1.050	61.03-150	0.03932	61.03	0.0678	PVC	
21-2	PV077		778.600	778.800	777.537	777.220	1.063	1.580	63.28-150	0.00500	124.31	0.1381	PVC	
21-3	PV078	DG 0.009	778.800	774.000	777.220	772.950	1.580	1.050	46.50-150	0.09183	170.81	1.2244	PVC	
21-4	PV079	DG 0.007	774.000	772.500	772.941	771.440	1.059	1.060	98.45-150	0.01524	269.26	1.3338	PVC	
21-5	PV080		772.500	772.700	771.433	771.023	1.067	1.677	82.05-150	0.00500	351.31	1.4250	PVC	
21-6	PV081		772.700	771.000	771.023	769.950	1.677	1.050	58.06-150	0.01848	409.37	1.4895	PVC	
21-7	PV082	DG 0.015	771.000	768.000	769.950	766.950	1.050	1.050	62.96-150	0.04765	472.33	1.5594	PVC	
21-8	PV083	DG 0.053	768.000	767.900	766.935	766.658	1.065	1.242	55.25-150	0.00500	527.58	1.6208	PVC	
21-9	PV084	DG 0.003	767.900	767.600	766.605	766.192	1.295	1.408	82.57-150	0.00500	610.15	2.8846	PVC	

LANÇA EM: 019-005



COL-TRE	PVM	OBS	CTM	CTJ	CCM	CCJ	PRFM	PRFJ	COMP-DIAM	DECLIV	ACUMUL.	VAZÃO (l/s)	MATERIAL	ESTACAS
22-1	PV086	DG 0.003	786.000	784.000	784.950	782.950	1.050	1.050	66.76-150	0.02996	66.76	0.0742	PVC	
22-2	PV087		784.000	783.000	782.947	781.947	1.053	1.053	55.92-150	0.01788	122.68	0.1363	PVC	
22-3	PV088	TQ 0.530	783.000	778.800	781.947	777.750	1.053	1.050	51.65-150	0.08126	174.33	1.0346	PVC	

LANÇA EM: 021-003

REVISÃO	ASSUNTO	RESPONSÁVEL	DATA
00	EMISSÃO INICIAL		01/08/2013

CONTRADA(S):

TSA
Tecnologia em Saneamento Ambiental

HIDRÁULICA

MUNICÍPIO
ERVAL GRANDE

UNIDADE
REDE COLETORA

DIREITOS AUTORAIS RESERVADOS CONFORME TERMOS CONTRATUAIS
PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL DESTE DESENHO SEM EXPRESSO CONSENTIMENTO DO PROPRIETÁRIO

PROJETISTAS
ENGENHEIRO JOSÉ VILMAR VIEGAS
CREA – RS44586

PRANCHA
PERFIL DOS COLETORES

REVISOR PROJETO
Eng. JOSÉ VILMAR VIEGAS

DESENHO
LUIZ ODY

ESCALA
1:2000

CÓDIGO CIDADE/NUM.PROJETO
EG-SES-REDE-HID-01

COLABORADOR
CARLOS HENRIQUE GARBIN

NOME DO ARQUIVO
SES-ERVAL_GRANDE

DATA
08/2013

PRANCHA
02/06