

SISTEMA SANCAD - TIPO DE ESCORAMENTO E DE PV**BAIRRO CEM BRAÇAS**

10/03/2023

SB.01**PROJETO DE REDE COLETORA DE ESGOTO****SANITÁRIO**

Trecho	PV Mont.	PV Jus.	Tipo de Escoramento	Tipo de PV
015-001	PV15.981	PV15.982	PONTALETEAMENTO	
015-002	PV15.982	PV15.9.8	PONTALETEAMENTO	01
014-001	PV159621	PV15.962	PONTALETEAMENTO	
013-001	PV15.961	PV15.962	PONTALETEAMENTO	
013-002	PV15.962	PV15.9.6	PONTALETEAMENTO	01
012-001	PV15.931	PV15.932	PONTALETEAMENTO	
012-002	PV15.932	PV15.9.3	PONTALETEAMENTO	01
011-001	PV15.9.1	PV15.9.2	PONTALETEAMENTO	
011-002	PV15.9.2	PV15.9.3	PONTALETEAMENTO	01
011-003	PV15.9.3	PV15.9.4	PONTALETEAMENTO	01
011-004	PV15.9.4	PV15.9.5	PONTALETEAMENTO	01
011-005	PV15.9.5	PV15.9.6	PONTALETEAMENTO	01
011-006	PV15.9.6	PV15.9.7	PONTALETEAMENTO	01
011-007	PV15.9.7	PV15.9.8	PONTALETEAMENTO	01
011-008	PV15.9.8	PV15.9	PONTALETEAMENTO	01
010-001	PV15.7.1	PV15.7	PONTALETEAMENTO	
009-001	PV15.6.1	PV15.6.2	PONTALETEAMENTO	
009-002	PV15.6.2	PV15.6	PONTALETEAMENTO	01
008-001	PV15.431	PV15.4.3	PONTALETEAMENTO	
007-001	PV15.4.1	PV15.4.2	PONTALETEAMENTO	
007-002	PV15.4.2	PV15.4.3	PONTALETEAMENTO	01

Trecho	PV Mont.	PV Jus.	Tipo de Escoramento	Tipo de PV
007-003	PV15.4.3	PV15.4.4	PONTALETEAMENTO	01
007-004	PV15.4.4	PV15.4	PONTALETEAMENTO	01
006-001	PV15.3.4	PV15.3.5	PONTALETEAMENTO	
006-002	PV15.3.5	PV15.3	PONTALETEAMENTO	01
005-001	PV15.3.1	PV15.3.2	PONTALETEAMENTO	
005-002	PV15.3.2	PV15.3.3	PONTALETEAMENTO	01
005-003	PV15.3.3	PV15.3	PONTALETEAMENTO	01
004-001	PV18.1	PV18.2	PONTALETEAMENTO	
004-002	PV18.2	PV18.3	PONTALETEAMENTO	01
004-003	PV18.3	PV018	PONTALETEAMENTO	01
003-001	PV15.1	PV15.2	PONTALETEAMENTO	
003-002	PV15.2	PV15.3	PONTALETEAMENTO	01
003-003	PV15.3	PV15.4	PONTALETEAMENTO	01
003-004	PV15.4	PV15.5	PONTALETEAMENTO	01
003-005	PV15.5	PV15.6	PONTALETEAMENTO	01
003-006	PV15.6	PV15.7	PONTALETEAMENTO	01
003-007	PV15.7	PV15.8	PONTALETEAMENTO	01
003-008	PV15.8	PV15.9	PONTALETEAMENTO	01
003-009	PV15.9	PV015	PONTALETEAMENTO	01
002-001	PV9.1	PV9.2	PONTALETEAMENTO	
002-002	PV9.2	PV9.3	PONTALETEAMENTO	01
002-003	PV9.3	PV9.4	PONTALETEAMENTO	01
002-004	PV9.4	PV009	PONTALETEAMENTO	01
001-001	PV001	PV002	PONTALETEAMENTO	

Trecho	PV Mont.	PV Jus.	Tipo de Escoramento	Tipo de PV
001-002	PV002	PV003	PONTALETEAMENTO	01
001-003	PV003	PV004	PONTALETEAMENTO	01
001-004	PV004	PV005	PONTALETEAMENTO	01
001-005	PV005	PV006	PONTALETEAMENTO	01
001-006	PV006	PV007	PONTALETEAMENTO	01
001-007	PV007	PV008	PONTALETEAMENTO	01
001-008	PV008	PV009	PONTALETEAMENTO	01
001-009	PV009	PV010	PONTALETEAMENTO	01
001-010	PV010	PV011	PONTALETEAMENTO	01
001-011	PV011	PV012	PONTALETEAMENTO	01
001-012	PV012	PV013	PONTALETEAMENTO	01
001-013	PV013	PV014	PONTALETEAMENTO	01
001-014	PV014	PV015	PONTALETEAMENTO	01
001-015	PV015	PV016	PONTALETEAMENTO	01
001-016	PV016	PV017	PONTALETEAMENTO	01
001-017	PV017	PV018	PONTALETEAMENTO	01
001-018	PV018	PV019	PONTALETEAMENTO	01
001-019	PV019	FIM	PONTALETEAMENTO	01

SISTEMA SANCAD - ESTACAS CADASTRADAS NO PROJETO
BAIRRO CEM BRAÇAS
SB.01
PROJETO DE REDE COLETORA DE ESGOTO SANITÁRIO

10/03/2023

Estacas Intermediárias Cadastradas no Projeto

Trecho	Nome Estaca	Dist. ao PV	Pv Ref.	Cota Terreno	Cota do Coletor	Profundidade
001-001	1-1E1	20.00	MON	3.100	2.148	0.952
001-002	1-2E1	20.00	MON	3.060	2.004	1.056
001-002	1-2E2	40.00	MON	3.050	1.932	1.118
001-003	1-3E1	13.75	MON	3.040	1.861	1.179
001-003	1-3E2	33.75	MON	3.030	1.789	1.241
001-004	1-4E1	6.54	MON	3.030	1.717	1.313
001-004	1-4E2	26.54	MON	3.010	1.646	1.364
001-004	1-4E3	46.54	MON	2.990	1.574	1.416
001-004	1-4E4	66.54	MON	2.960	1.502	1.458
001-005	1-5E1	14.92	MON	2.940	1.428	1.512
001-005	1-5E2	34.92	MON	2.910	1.356	1.554
001-005	1-5E3	54.92	MON	2.920	1.284	1.636
001-005	1-5E4	74.92	MON	2.900	1.212	1.688
001-006	1-6E1	19.92	MON	2.880	1.140	1.740
001-006	1-6E2	39.92	MON	2.860	1.068	1.792
001-007	1-7E1	17.19	MON	2.590	0.995	1.595
001-008	1-8E1	11.42	MON	2.290	0.922	1.368
001-008	1-8E2	31.42	MON	1.980	0.850	1.130
001-009	1-9E1	8.74	MON	1.810	0.766	1.044
001-009	1-9E2	28.74	MON	1.930	0.692	1.238
001-009	1-9E3	48.74	MON	2.010	0.617	1.393
001-010	1-10E1	4.67	MON	2.100	0.543	1.557
001-010	1-10E2	24.67	MON	2.180	0.471	1.709
001-011	1-11E1	11.86	MON	2.110	0.398	1.712

Trecho	Nome Estaca	Dist. ao PV	Pv Ref.	Cota Terreno	Cota do Coletor	Profundidade
001-011	1-11E2	31.86	MON	2.070	0.326	1.744
001-011	1-11E3	51.86	MON	2.040	0.254	1.786
001-012	1-12E1	6.86	MON	2.010	0.182	1.828
001-012	1-12E2	26.86	MON	1.950	0.111	1.839
001-012	1-12E3	46.86	MON	1.860	0.039	1.821
001-013	1-13E1	2.04	MON	1.780	-0.033	1.813
001-013	1-13E2	22.04	MON	1.710	-0.104	1.814
001-014	1-14E1	0.36	MON	1.640	-0.176	1.816
001-014	1-14E2	20.36	MON	1.850	-0.247	2.097
001-015	1-15E1	0.65	MON	2.020	-0.546	2.566
001-015	1-15E2	20.65	MON	1.990	-0.618	2.608
001-015	1-15E3	40.65	MON	1.950	-0.689	2.639
001-015	1-15E4	60.65	MON	1.930	-0.760	2.690
001-016	1-16E1	15.65	MON	1.850	-0.832	2.682
001-016	1-16E2	35.65	MON	1.810	-0.903	2.713
001-016	1-16E3	55.65	MON	1.760	-0.975	2.735
001-017	1-17E1	9.96	MON	1.650	-1.048	2.698
001-017	1-17E2	29.96	MON	1.610	-1.119	2.729
001-017	1-17E3	49.96	MON	1.540	-1.191	2.731
001-018	1-18E1	3.47	MON	1.550	-1.260	2.810
001-018	1-18E2	23.47	MON	1.590	-1.332	2.922
001-018	1-18E3	43.47	MON	1.640	-1.403	3.043
001-018	1-18E4	63.47	MON	1.700	-1.474	3.174
001-019	1-19E1	18.98	MON	1.630	-1.543	3.173
002-001	2-1E1	20.00	MON	2.170	1.188	0.982
002-001	2-1E2	40.00	MON	2.140	1.116	1.024
002-002	2-2E1	20.00	MON	2.150	1.044	1.106
002-003	2-3E1	1.40	MON	2.130	0.971	1.159
002-004	2-4E1	3.48	MON	2.110	0.898	1.212
002-004	2-4E2	23.48	MON	1.820	0.826	0.994

Trecho	Nome Estaca	Dist. ao PV	Pv Ref.	Cota Terreno	Cota do Coletor	Profundidade
003-001	3-1E1	20.00	MON	2.250	1.278	0.972
003-002	3-2E1	9.65	MON	2.310	1.207	1.103
003-002	3-2E2	29.65	MON	2.370	1.135	1.235
003-003	3-3E1	13.63	MON	2.430	0.999	1.431
003-003	3-3E2	33.63	MON	2.390	0.927	1.463
003-004	3-4E1	5.77	MON	2.360	0.854	1.506
003-004	3-4E2	25.77	MON	2.350	0.782	1.568
003-005	3-5E1	10.75	MON	2.310	0.710	1.600
003-005	3-5E2	30.75	MON	2.280	0.639	1.641
003-006	3-6E1	11.83	MON	2.270	0.566	1.704
003-006	3-6E2	31.83	MON	2.290	0.494	1.796
003-006	3-6E3	51.83	MON	2.310	0.422	1.888
003-007	3-7E1	10.92	MON	2.350	0.350	2.000
003-007	3-7E2	30.92	MON	2.400	0.278	2.122
003-007	3-7E3	50.92	MON	2.430	0.206	2.224
003-008	3-8E1	5.92	MON	2.460	0.134	2.326
003-008	3-8E2	25.92	MON	2.330	0.062	2.268
003-008	3-8E3	45.92	MON	2.170	-0.009	2.179
003-009	3-9E1	2.38	MON	2.010	-0.410	2.420
003-009	3-9E2	22.38	MON	2.020	-0.481	2.501
004-001	4-1E1	20.00	MON	1.940	1.030	0.910
004-001	4-1E2	40.00	MON	1.850	0.950	0.900
004-002	4-2E1	15.00	MON	1.790	0.876	0.914
004-002	4-2E2	35.00	MON	1.750	0.804	0.946
004-003	4-3E1	0.45	MON	1.710	0.730	0.980
004-003	4-3E2	20.45	MON	1.630	0.658	0.972
004-003	4-3E3	40.45	MON	1.550	0.586	0.964
005-002	5-2E1	2.55	MON	2.510	1.601	0.909
005-002	5-2E2	22.55	MON	2.470	1.529	0.941
006-001	6-1E1	20.00	MON	2.310	1.278	1.032

Trecho	Nome Estaca	Dist. ao PV	Pv Ref.	Cota Terreno	Cota do Coletor	Profundidade
006-001	6-1E2	40.00	MON	2.360	1.206	1.154
006-002	6-2E1	18.00	MON	2.410	1.134	1.276
006-002	6-2E2	38.00	MON	2.450	1.062	1.388
007-001	7-1E1	20.00	MON	2.740	1.818	0.922
007-001	7-1E2	40.00	MON	2.690	1.746	0.944
007-002	7-2E1	11.00	MON	2.630	1.670	0.960
007-002	7-2E2	31.00	MON	2.510	1.591	0.919
007-002	7-2E3	51.00	MON	2.430	1.512	0.918
007-003	7-3E1	12.27	MON	2.350	1.419	0.931
007-003	7-3E2	32.27	MON	2.300	1.341	0.959
007-003	7-3E3	52.27	MON	2.250	1.264	0.986
007-004	7-4E1	18.92	MON	2.320	1.193	1.127
007-004	7-4E2	38.92	MON	2.370	1.121	1.249
008-001	8-1E1	20.00	MON	2.510	1.588	0.922
008-001	8-1E2	40.00	MON	2.450	1.516	0.934
009-001	9-1E1	20.00	MON	2.390	1.478	0.912
009-001	9-1E2	40.00	MON	2.320	1.406	0.914
009-002	9-2E1	15.08	MON	2.290	1.334	0.956
010-001	10-1E1	20.00	MON	2.260	1.148	1.112
011-001	11-1E1	20.00	MON	2.050	1.038	1.012
011-001	11-1E2	40.00	MON	2.110	0.966	1.144
011-001	11-1E3	60.00	MON	2.170	0.894	1.276
011-002	11-2E1	8.42	MON	2.180	0.821	1.359
011-002	11-2E2	28.42	MON	2.160	0.749	1.411
011-003	11-3E1	4.16	MON	2.150	0.678	1.472
011-003	11-3E2	24.16	MON	2.100	0.606	1.494
011-003	11-3E3	44.16	MON	2.060	0.534	1.526
011-003	11-3E4	64.16	MON	2.040	0.462	1.578
011-004	11-4E1	13.23	MON	2.050	0.389	1.661
011-004	11-4E2	33.23	MON	2.040	0.317	1.723

Trecho	Nome Estaca	Dist. ao PV	Pv Ref.	Cota Terreno	Cota do Coletor	Profundidade
011-005	11-5E1	12.36	MON	2.040	0.245	1.795
011-005	11-5E2	32.36	MON	2.020	0.173	1.847
011-005	11-5E3	52.36	MON	2.010	0.101	1.909
011-005	11-5E4	72.36	MON	1.990	0.030	1.960
011-006	11-6E1	15.73	MON	2.040	-0.042	2.082
011-007	11-7E1	8.31	MON	2.070	-0.111	2.181
011-008	11-8E1	7.67	MON	2.040	-0.183	2.223
011-008	11-8E2	27.67	MON	2.030	-0.255	2.285
011-008	11-8E3	47.67	MON	2.020	-0.326	2.346
011-008	11-8E4	67.67	MON	2.010	-0.397	2.407
012-001	12-1E1	20.00	MON	2.180	1.228	0.952
012-001	12-1E2	40.00	MON	2.150	1.156	0.994
012-001	12-1E3	60.00	MON	2.120	1.084	1.036
013-001	13-1E1	20.00	MON	2.090	1.190	0.900
013-002	13-2E1	8.57	MON	1.960	0.846	1.114
013-002	13-2E2	28.57	MON	1.970	0.774	1.196
013-002	13-2E3	48.57	MON	1.980	0.702	1.278
014-001	14-1E1	20.00	MON	1.950	0.978	0.972
014-001	14-1E2	40.00	MON	1.960	0.906	1.054
015-001	15-1E1	20.00	MON	2.200	1.258	0.942
015-001	15-1E2	40.00	MON	2.160	1.186	0.974
015-002	15-2E1	14.03	MON	2.130	1.113	1.017
015-002	15-2E2	34.03	MON	2.090	1.041	1.049
015-002	15-2E3	54.03	MON	2.050	0.969	1.081

SISTEMA SANCAD - PLANILHA DE VAZÕES CONTRIBUINTES POR TRECHO

10/03/2023

BAIRRO CEM BRAÇAS

SB.01

PROJETO DE REDE COLETORA DE ESGOTO SANITÁRIO

Trecho	PV Mont.	PV Jus.	Comp (m)	Concentrada Inicial (l/s)	Concentrada Final (l/s)	Doméstica Inicial (l/s)	Doméstica Final (l/s)	Infiltração Inicial (l/s)	Infiltração Final (l/s)	Total Inicial (l/s)	Total Final (l/s)
015-001	PV15.981	PV15.982	46.00	0.0000	0.0000	0.0365	0.1315	0.0023	0.0023	0.0388	0.1338
015-002	PV15.982	PV15.9.8	56.00	0.0000	0.0000	0.0445	0.1601	0.0028	0.0028	0.0473	0.1629
014-001	PV159621	PV15.962	48.00	0.0000	0.0000	0.0381	0.1373	0.0024	0.0024	0.0405	0.1397
013-001	PV15.961	PV15.962	31.00	0.0000	0.0000	0.0246	0.0886	0.0016	0.0016	0.0262	0.0902
013-002	PV15.962	PV15.9.6	57.00	0.0000	0.0000	0.0453	0.1630	0.0029	0.0029	0.0482	0.1659
012-001	PV15.931	PV15.932	63.00	0.0000	0.0000	0.0500	0.1802	0.0032	0.0032	0.0532	0.1834
012-002	PV15.932	PV15.9.3	11.00	0.0000	0.0000	0.0087	0.0315	0.0006	0.0006	0.0093	0.0321
011-001	PV15.9.1	PV15.9.2	72.00	0.0000	0.0000	0.0572	0.2059	0.0036	0.0036	0.0608	0.2095
011-002	PV15.9.2	PV15.9.3	44.00	0.0000	0.0000	0.0350	0.1258	0.0022	0.0022	0.0372	0.1280
011-003	PV15.9.3	PV15.9.4	71.00	0.0000	0.0000	0.0564	0.2030	0.0036	0.0036	0.0600	0.2066
011-004	PV15.9.4	PV15.9.5	41.00	0.0000	0.0000	0.0326	0.1172	0.0021	0.0021	0.0347	0.1193
011-005	PV15.9.5	PV15.9.6	77.00	0.0000	0.0000	0.0612	0.2202	0.0039	0.0039	0.0651	0.2241
011-006	PV15.9.6	PV15.9.7	27.00	0.0000	0.0000	0.0214	0.0772	0.0014	0.0014	0.0228	0.0786
011-007	PV15.9.7	PV15.9.8	21.00	0.0000	0.0000	0.0167	0.0601	0.0011	0.0011	0.0178	0.0612
011-008	PV15.9.8	PV15.9	69.00	0.0000	0.0000	0.0548	0.1973	0.0035	0.0035	0.0583	0.2008
010-001	PV15.7.1	PV15.7	30.00	0.0000	0.0000	0.0238	0.0858	0.0015	0.0015	0.0253	0.0873
009-001	PV15.6.1	PV15.6.2	45.00	0.0000	0.0000	0.0357	0.1287	0.0023	0.0023	0.0380	0.1310
009-002	PV15.6.2	PV15.6	20.00	0.0000	0.0000	0.0159	0.0572	0.0010	0.0010	0.0169	0.0582
008-001	PV15.431	PV15.4.3	54.00	0.0000	0.0000	0.0429	0.1544	0.0027	0.0027	0.0456	0.1571
007-001	PV15.4.1	PV15.4.2	49.00	0.0000	0.0000	0.0389	0.1401	0.0025	0.0025	0.0414	0.1426

Trecho	PV Mont.	PV Jus.	Comp (m)	Concentrada Inicial (l/s)	Concentrada Final (l/s)	Doméstica Inicial (l/s)	Doméstica Final (l/s)	Infiltração Inicial (l/s)	Infiltração Final (l/s)	Total Inicial (l/s)	Total Final (l/s)
007-002	PV15.4.2	PV15.4.3	59.00	0.0000	0.0000	0.0469	0.1687	0.0030	0.0030	0.0499	0.1717
007-003	PV15.4.3	PV15.4.4	53.00	0.0000	0.0000	0.0421	0.1516	0.0027	0.0027	0.0448	0.1543
007-004	PV15.4.4	PV15.4	41.00	0.0000	0.0000	0.0326	0.1172	0.0021	0.0021	0.0347	0.1193
006-001	PV15.3.4	PV15.3.5	42.00	0.0000	0.0000	0.0334	0.1201	0.0021	0.0021	0.0355	0.1222
006-002	PV15.3.5	PV15.3	42.00	0.0000	0.0000	0.0334	0.1201	0.0021	0.0021	0.0355	0.1222
005-001	PV15.3.1	PV15.3.2	17.00	0.0000	0.0000	0.0135	0.0486	0.0009	0.0009	0.0144	0.0495
005-002	PV15.3.2	PV15.3.3	23.00	0.0000	0.0000	0.0183	0.0658	0.0012	0.0012	0.0195	0.0670
005-003	PV15.3.3	PV15.3	7.00	0.0000	0.0000	0.0056	0.0200	0.0004	0.0004	0.0060	0.0204
004-001	PV18.1	PV18.2	45.00	0.0000	0.0000	0.0357	0.1287	0.0023	0.0023	0.0380	0.1310
004-002	PV18.2	PV18.3	55.00	0.0000	0.0000	0.0437	0.1573	0.0028	0.0028	0.0465	0.1601
004-003	PV18.3	PV018	50.00	0.0000	0.0000	0.0397	0.1430	0.0025	0.0025	0.0422	0.1455
003-001	PV15.1	PV15.2	30.00	0.0000	0.0000	0.0238	0.0858	0.0015	0.0015	0.0253	0.0873
003-002	PV15.2	PV15.3	36.00	0.0000	0.0000	0.0286	0.1029	0.0018	0.0018	0.0304	0.1047
003-003	PV15.3	PV15.4	48.00	0.0000	0.0000	0.0381	0.1373	0.0024	0.0024	0.0405	0.1397
003-004	PV15.4	PV15.5	35.00	0.0000	0.0000	0.0278	0.1001	0.0018	0.0018	0.0296	0.1019
003-005	PV15.5	PV15.6	39.00	0.0000	0.0000	0.0310	0.1115	0.0020	0.0020	0.0330	0.1135
003-006	PV15.6	PV15.7	61.00	0.0000	0.0000	0.0485	0.1744	0.0031	0.0031	0.0516	0.1775
003-007	PV15.7	PV15.8	65.00	0.0000	0.0000	0.0516	0.1859	0.0033	0.0033	0.0549	0.1892
003-008	PV15.8	PV15.9	64.00	0.0000	0.0000	0.0508	0.1830	0.0032	0.0032	0.0540	0.1862
003-009	PV15.9	PV015	40.00	0.0000	0.0000	0.0318	0.1144	0.0020	0.0020	0.0338	0.1164
002-001	PV9.1	PV9.2	40.00	0.0000	0.0000	0.0318	0.1144	0.0020	0.0020	0.0338	0.1164
002-002	PV9.2	PV9.3	39.00	0.0000	0.0000	0.0310	0.1115	0.0020	0.0020	0.0330	0.1135
002-003	PV9.3	PV9.4	18.00	0.0000	0.0000	0.0143	0.0515	0.0009	0.0009	0.0152	0.0524
002-004	PV9.4	PV009	31.00	0.0000	0.0000	0.0246	0.0886	0.0016	0.0016	0.0262	0.0902
001-001	PV001	PV002	40.00	0.0000	0.0000	0.0159	0.0572	0.0020	0.0020	0.0179	0.0592

Trecho	PV Mont.	PV Jus.	Comp (m)	Concentrada Inicial (l/s)	Concentrada Final (l/s)	Doméstica Inicial (l/s)	Doméstica Final (l/s)	Infiltração Inicial (l/s)	Infiltração Final (l/s)	Total Inicial (l/s)	Total Final (l/s)
001-002	PV002	PV003	46.00	0.0000	0.0000	0.0183	0.0658	0.0023	0.0023	0.0206	0.0681
001-003	PV003	PV004	47.00	0.0000	0.0000	0.0187	0.0672	0.0024	0.0024	0.0211	0.0696
001-004	PV004	PV005	72.00	0.0000	0.0000	0.0286	0.1029	0.0036	0.0036	0.0322	0.1065
001-005	PV005	PV006	75.00	0.0000	0.0000	0.0298	0.1072	0.0038	0.0038	0.0336	0.1110
001-006	PV006	PV007	43.00	0.0000	0.0000	0.0171	0.0615	0.0022	0.0022	0.0193	0.0637
001-007	PV007	PV008	26.00	0.0000	0.0000	0.0103	0.0372	0.0013	0.0013	0.0116	0.0385
001-008	PV008	PV009	43.00	0.0000	0.0000	0.0171	0.0615	0.0022	0.0022	0.0193	0.0637
001-009	PV009	PV010	64.00	0.0000	0.0000	0.0254	0.0915	0.0032	0.0032	0.0286	0.0947
001-010	PV010	PV011	33.00	0.0000	0.0000	0.0131	0.0472	0.0017	0.0017	0.0148	0.0489
001-011	PV011	PV012	65.00	0.0000	0.0000	0.0258	0.0929	0.0033	0.0033	0.0291	0.0962
001-012	PV012	PV013	65.00	0.0000	0.0000	0.0258	0.0929	0.0033	0.0033	0.0291	0.0962
001-013	PV013	PV014	42.00	0.0000	0.0000	0.0167	0.0601	0.0021	0.0021	0.0188	0.0622
001-014	PV014	PV015	40.00	0.0000	0.0000	0.0159	0.0572	0.0020	0.0020	0.0179	0.0592
001-015	PV015	PV016	65.00	0.0000	0.0000	0.0258	0.0929	0.0033	0.0033	0.0291	0.0962
001-016	PV016	PV017	66.00	0.0000	0.0000	0.0262	0.0944	0.0033	0.0033	0.0295	0.0977
001-017	PV017	PV018	66.00	0.0000	0.0000	0.0262	0.0944	0.0033	0.0033	0.0295	0.0977
001-018	PV018	PV019	64.00	0.0000	0.0000	0.0254	0.0915	0.0032	0.0032	0.0286	0.0947
001-019	PV019	FIM	27.00	0.0000	0.0000	0.0107	0.0386	0.0014	0.0014	0.0121	0.0400

SISTEMA SANCAD - DADOS DE CONSTRUÇÃO DOS PVs

10/03/2023

BAIRRO CEM BRAÇAS**SB.01****PROJETO DE REDE COLETORA DE ESGOTO****SANITÁRIO**

N	PV	Coord. X	Coord. Y	Cota Terr	Trecho	Cota Col	Prof.	Anterior	Prof.	Lat. X	Prof	Lat. Y	Prof.	Diam	Tipo
1	PV001	176	2 983	3.120	001-001	2.070	1.050							0.150	PI600
2	PV002	198	3 017	3.070	001-002	1.930	1.140	001-001	1.140					0.150	PI600
3	PV003	223	3 056	3.040	001-003	1.760	1.280	001-002	1.280					0.150	PI600
4	PV004	255	3 090	3.030	001-004	1.590	1.440	001-003	1.440					0.150	PI600
5	PV005	309	3 137	2.960	001-005	1.330	1.630	001-004	1.630					0.150	PI800
6	PV006	365	3 187	2.900	001-006	1.060	1.840	001-005	1.840					0.150	PI800
7	PV007	400	3 212	2.860	001-007	0.910	1.950	001-006	1.950					0.150	PI800
8	PV008	424	3 220	2.460	001-008	0.810	1.650	001-007	1.650					0.150	PI800
9	PV009	451	3 186	1.740	001-009	0.650	1.090	001-008	1.089	002-004	1.090			0.200	PI600
10	PV010	492	3 137	2.100	001-010	0.410	1.690	001-009	1.690					0.200	PI800

N	PV	Coord. X	Coord. Y	Cota Terr	Trecho	Cota Col	Prof.	Anterior	Prof.	Lat. X	Prof	Lat. Y	Prof.	Diam	Tipo
11	PV011	511	3 111	2.150	001-011	0.290	1.860	001-010	1.860					0.200	PI800
12	PV012	552	3 060	2.020	001-012	0.060	1.960	001-011	1.960					0.200	PI800
13	PV013	592	3 009	1.780	001-013	-0.180	1.960	001-012	1.960					0.200	PI800
14	PV014	619	2 977	1.640	001-014	-0.330	1.970	001-013	1.970					0.200	PI800
15	PV015	588	2 953	2.020	001-015	-0.690	2.710	001-014	2.490	003-009	2.710			0.150	PV1200
16	PV016	539	2 911	1.930	001-016	-0.930	2.860	001-015	2.860					0.200	PV1200
17	PV017	487	2 870	1.730	001-017	-1.160	2.890	001-016	2.890					0.200	PV1200
18	PV018	522	2 813	1.530	001-018	-1.400	2.930	001-017	2.930	004-003	1.130			0.200	PV1200
19	PV019	557	2 759	1.700	001-019	-1.630	3.330	001-018	3.330					0.300	PV1200
20	PV15.1	317	3 126	2.250	003-001	1.200	1.050							0.150	PI600
21	PV15.2	337	3 103	2.240	003-002	1.090	1.150	003-001	1.150					0.150	PI600
22	PV15.3	359	3 075	2.450	003-003	0.900	1.550	003-002	1.490	005-003	1.100	006-002	1.550	0.150	PI800

N	PV	Coord. X	Coord. Y	Cota Terr	Trecho	Cota Col	Prof.	Anterior	Prof.	Lat. X	Prof	Lat. Y	Prof.	Diam	Tipo
23	PV15.3.1	322	3 052	2.580	005-001	1.530	1.050							0.150	PI600
24	PV15.3.2	336	3 063	2.510	005-002	1.460	1.050	005-001	1.050					0.150	PI600
25	PV15.3.3	353	3 078	2.470	005-003	1.380	1.090	005-002	1.090					0.150	PI600
26	PV15.3.4	423	3 130	2.250	006-001	1.200	1.050							0.150	PI600
27	PV15.3.5	391	3 103	2.360	006-002	1.050	1.310	006-001	1.310					0.150	PI600
28	PV15.4	389	3 037	2.370	003-004	0.730	1.650	003-003	1.650	007-004	1.414			0.150	PI800
29	PV15.4.1	233	3 047	2.790	007-001	1.740	1.050							0.150	PI600
30	PV15.4.2	272	3 017	2.650	007-002	1.560	1.090	007-001	1.090					0.150	PI600
31	PV15.4.3	319	2 982	2.380	007-003	1.324	1.064	007-002	1.064	008-001	1.060			0.150	PI800
32	PV15.4.4	368	3 002	2.250	007-004	1.114	1.144	007-003	1.144					0.150	PI600
33	PV15.431	270	2 959	2.560	008-001	1.510	1.050							0.150	PI600
34	PV15.5	408	3 066	2.350	003-005	0.600	1.750	003-004	1.750					0.150	PI800

N	PV	Coord. X	Coord. Y	Cota Terr	Trecho	Cota Col	Prof.	Anterior	Prof.	Lat. X	Prof	Lat. Y	Prof.	Diam	Tipo
35	PV15.6	439	3 042	2.250	003-006	0.460	1.790	003-005	1.790	009-002	1.080			0.150	PI800
36	PV15.6.1	396	2 993	2.450	009-001	1.400	1.050							0.150	PI600
37	PV15.6.2	425	3 028	2.310	009-002	1.240	1.070	009-001	1.070					0.150	PI600
38	PV15.7	483	3 084	2.320	003-007	0.240	2.080	003-006	2.080	010-001	1.360			0.150	PV1200
39	PV15.7.1	505	3 105	2.120	010-001	1.070	1.050							0.150	PI600
40	PV15.8	523	3 033	2.460	003-008	0.010	2.460	003-007	2.460					0.150	PV1200
41	PV15.9	563	2 984	2.010	003-009	-0.550	2.560	003-008	2.230	011-008	2.560			0.150	PV1200
42	PV15.9.1	183	2 959	2.010	011-001	0.960	1.050							0.150	PI600
43	PV15.9.2	235	2 910	2.180	011-002	0.700	1.480	011-001	1.480					0.150	PI600
44	PV15.9.3	278	2 904	2.150	011-003	0.540	1.610	011-002	1.610	012-002	1.270			0.150	PI800
45	PV15.9.4	349	2 907	2.040	011-004	0.290	1.750	011-003	1.750					0.150	PI800
46	PV15.9.5	390	2 912	2.040	011-005	0.140	1.900	011-004	1.900					0.150	PI800

N	PV	Coord. X	Coord. Y	Cota Terr	Trecho	Cota Col	Prof.	Anterior	Prof.	Lat. X	Prof	Lat. Y	Prof.	Diam	Tipo
47	PV15.9.6	465	2 925	1.990	011-006	-0.140	2.130	011-005	2.130	013-002	1.470			0.150	PV1200
48	PV15.9.7	492	2 930	2.090	011-007	-0.230	2.320	011-006	2.320					0.150	PV1200
49	PV15.9.8	511	2 939	2.050	011-008	-0.310	2.360	011-007	2.360	015-002	1.240			0.150	PV1200
50	PV15.931	330	2 863	2.200	012-001	1.150	1.050							0.150	PI600
51	PV15.932	275	2 894	2.120	012-002	0.920	1.200	012-001	1.200					0.150	PI600
52	PV15.961	398	2 976	2.360	013-001	1.300	1.060							0.150	PI600
53	PV15.962	414	2 950	1.960	013-002	0.730	1.230	013-001	1.060	014-001	1.230			0.150	PI600
54	PV15.981	446	3 018	2.230	015-001	1.180	1.050							0.150	PI600
55	PV15.982	476	2 984	2.150	015-002	1.010	1.140	015-001	1.140					0.150	PI600
56	PV159621	376	2 920	1.950	014-001	0.900	1.050							0.150	PI600
57	PV18.1	606	2 920	2.010	004-001	0.960	1.050							0.150	PI600
58	PV18.2	569	2 894	1.830	004-002	0.780	1.050	004-001	1.050					0.150	PI600

N	PV	Coord. X	Coord. Y	Cota Terr	Trecho	Cota Col	Prof.	Anterior	Prof.	Lat. X	Prof	Lat. Y	Prof.	Diam	Tipo
59	PV18.3	524	2 863	1.710	004-003	0.580	1.130	004-002	1.130					0.150	PI600
60	PV9.1	348	3 112	2.160	002-001	1.110	1.050							0.150	PI600
61	PV9.2	379	3 138	2.140	002-002	0.970	1.170	002-001	1.170					0.150	PI600
62	PV9.3	408	3 163	2.130	002-003	0.830	1.300	002-002	1.300					0.150	PI600
63	PV9.4	424	3 171	2.110	002-004	0.760	1.350	002-003	1.350					0.150	PI600

SISTEMA SANCAD - PLANILHA DE DADOS DE CAMPO

10/03/2023

BAIRRO CEM BRAÇAS**SB.01****PROJETO DE REDE COLETORA DE ESGOTO SANITÁRIO**

Trecho	PV Mont.	PV Jus.	Comp	Prof Mon	Prof Jus	Diam	Material	Paviment.	Escavação (m3)	Etapa
015-001	PV15.981	PV15.982	46.00	1.050	1.140	150	PVC	PARALELEPIPEDO	33.680	1
015-002	PV15.982	PV15.9.8	56.00	1.140	1.240	150	PVC	PARALELEPIPEDO	43.880	1
014-001	PV159621	PV15.962	48.00	1.050	1.230	150	PVC	PARALELEPIPEDO	36.710	1
013-001	PV15.961	PV15.962	31.00	1.060	1.060	150	PVC	PARALELEPIPEDO	22.300	1
013-002	PV15.962	PV15.9.6	57.00	1.230	1.470	150	PVC	PARALELEPIPEDO	50.300	1
012-001	PV15.931	PV15.932	63.00	1.050	1.200	150	PVC	PARALELEPIPEDO	46.950	1
012-002	PV15.932	PV15.9.3	11.00	1.200	1.270	150	PVC	PARALELEPIPEDO	9.550	1
011-001	PV15.9.1	PV15.9.2	72.00	1.050	1.480	150	PVC	PARALELEPIPEDO	60.480	1
011-002	PV15.9.2	PV15.9.3	44.00	1.480	1.610	150	PVC	PARALELEPIPEDO	44.760	1
011-003	PV15.9.3	PV15.9.4	71.00	1.610	1.750	150	PVC	PARALELEPIPEDO	77.150	1

Trecho	PV Mont.	PV Jus.	Comp	Prof Mon	Prof Jus	Diam	Material	Paviment.	Escavação (m3)	Etapa
011-004	PV15.9.4	PV15.9.5	41.00	1.750	1.900	150	PVC	PARALELEPIPEDO	49.530	1
011-005	PV15.9.5	PV15.9.6	77.00	1.900	2.130	150	PVC	PARALELEPIPEDO	101.280	1
011-006	PV15.9.6	PV15.9.7	27.00	2.130	2.320	150	PVC	PARALELEPIPEDO	46.120	1
011-007	PV15.9.7	PV15.9.8	21.00	2.320	2.360	150	PVC	PARALELEPIPEDO	37.600	1
011-008	PV15.9.8	PV15.9	69.00	2.360	2.560	150	PVC	PARALELEPIPEDO	127.490	1
010-001	PV15.7.1	PV15.7	30.00	1.050	1.360	150	PVC	PARALELEPIPEDO	24.840	1
009-001	PV15.6.1	PV15.6.2	45.00	1.050	1.070	150	PVC	PARALELEPIPEDO	31.780	1
009-002	PV15.6.2	PV15.6	20.00	1.070	1.080	150	PVC	PARALELEPIPEDO	14.760	1
008-001	PV15.431	PV15.4.3	54.00	1.050	1.060	150	PVC	PARALELEPIPEDO	38.310	1
007-001	PV15.4.1	PV15.4.2	49.00	1.050	1.090	150	PVC	PARALELEPIPEDO	35.080	1
007-002	PV15.4.2	PV15.4.3	59.00	1.090	1.064	150	PVC	PARALELEPIPEDO	41.810	1
007-003	PV15.4.3	PV15.4.4	53.00	1.064	1.144	150	PVC	PARALELEPIPEDO	38.470	1

Trecho	PV Mont.	PV Jus.	Comp	Prof Mon	Prof Jus	Diam	Material	Paviment.	Escavação (m3)	Etapa
007-004	PV15.4.4	PV15.4	41.00	1.144	1.414	150	PVC	PARALELEPIPEDO	35.540	1
006-001	PV15.3.4	PV15.3.5	42.00	1.050	1.310	150	PVC	PARALELEPIPEDO	33.760	1
006-002	PV15.3.5	PV15.3	42.00	1.310	1.550	150	PVC	PARALELEPIPEDO	40.430	1
005-001	PV15.3.1	PV15.3.2	17.00	1.050	1.050	150	PVC	PARALELEPIPEDO	12.710	1
005-002	PV15.3.2	PV15.3.3	23.00	1.050	1.090	150	PVC	PARALELEPIPEDO	16.410	1
005-003	PV15.3.3	PV15.3	7.00	1.090	1.100	150	PVC	PARALELEPIPEDO	5.440	1
004-001	PV18.1	PV18.2	45.00	1.050	1.050	150	PVC	PARALELEPIPEDO	31.520	1
004-002	PV18.2	PV18.3	55.00	1.050	1.130	150	PVC	PARALELEPIPEDO	39.680	1
004-003	PV18.3	PV018	50.00	1.130	1.130	150	PVC	PARALELEPIPEDO	36.890	1
003-001	PV15.1	PV15.2	30.00	1.050	1.150	150	PVC	PARALELEPIPEDO	22.570	1
003-002	PV15.2	PV15.3	36.00	1.150	1.490	150	PVC	PARALELEPIPEDO	31.460	1
003-003	PV15.3	PV15.4	48.00	1.550	1.650	150	PVC	PARALELEPIPEDO	50.650	1

Trecho	PV Mont.	PV Jus.	Comp	Prof Mon	Prof Jus	Diam	Material	Paviment.	Escavação (m3)	Etapa
003-004	PV15.4	PV15.5	35.00	1.650	1.750	150	PVC	PARALELEPIPEDO	39.100	1
003-005	PV15.5	PV15.6	39.00	1.750	1.790	150	PVC	PARALELEPIPEDO	45.510	1
003-006	PV15.6	PV15.7	61.00	1.790	2.080	150	PVC	PARALELEPIPEDO	77.380	1
003-007	PV15.7	PV15.8	65.00	2.080	2.460	150	PVC	PARALELEPIPEDO	111.010	1
003-008	PV15.8	PV15.9	64.00	2.460	2.230	150	PVC	PARALELEPIPEDO	114.840	1
003-009	PV15.9	PV015	40.00	2.560	2.710	150	PVC	PARALELEPIPEDO	79.430	1
002-001	PV9.1	PV9.2	40.00	1.050	1.170	150	PVC	PARALELEPIPEDO	30.070	1
002-002	PV9.2	PV9.3	39.00	1.170	1.300	150	PVC	PARALELEPIPEDO	32.750	1
002-003	PV9.3	PV9.4	18.00	1.300	1.350	150	PVC	PARALELEPIPEDO	16.030	1
002-004	PV9.4	PV009	31.00	1.350	1.090	150	PVC	PARALELEPIPEDO	25.420	1
001-001	PV001	PV002	40.00	1.050	1.140	150	PVC	ASFALTO	29.830	1
001-002	PV002	PV003	46.00	1.140	1.280	150	PVC	ASFALTO	37.330	1
001-003	PV003	PV004	47.00	1.280	1.440	150	PVC	ASFALTO	42.310	1

Trecho	PV Mont.	PV Jus.	Comp	Prof Mon	Prof Jus	Diam	Material	Paviment.	Escavação (m3)	Etapa
001-004	PV004	PV005	72.00	1.440	1.630	150	PVC	ASFALTO	71.920	1
001-005	PV005	PV006	75.00	1.630	1.840	150	PVC	ASFALTO	84.990	1
001-006	PV006	PV007	43.00	1.840	1.950	150	PVC	ASFALTO	53.960	1
001-007	PV007	PV008	26.00	1.950	1.650	150	PVC	ASFALTO	30.960	1
001-008	PV008	PV009	43.00	1.650	1.089	200	PVC	ASFALTO	39.390	1
001-009	PV009	PV010	64.00	1.090	1.690	200	PVC	ASFALTO	57.870	1
001-010	PV010	PV011	33.00	1.690	1.860	200	PVC	ASFALTO	38.700	1
001-011	PV011	PV012	65.00	1.860	1.960	200	PVC	ASFALTO	80.800	1
001-012	PV012	PV013	65.00	1.960	1.960	200	PVC	ASFALTO	83.720	1
001-013	PV013	PV014	42.00	1.960	1.970	200	PVC	ASFALTO	54.310	1
001-014	PV014	PV015	40.00	1.970	2.490	200	PVC	ASFALTO	65.800	1
001-015	PV015	PV016	65.00	2.710	2.860	200	PVC	ASFALTO	135.470	1
001-016	PV016	PV017	66.00	2.860	2.890	200	PVC	ASFALTO	142.360	1
001-017	PV017	PV018	66.00	2.890	2.930	200	PVC	ASFALTO	143.330	1
001-018	PV018	PV019	64.00	2.930	3.330	200	PVC	ASFALTO	150.470	1
001-019	PV019	FIM	27.00	3.330	3.350	300	PVC	ASFALTO	68.530	1

BAIRRO CEM BRAÇAS

SB.01

PROJETO DE REDE COLETORA DE ESGOTO SANITÁRIO

Trecho	Comp (m)	Poço de Visita Mont. Jus.	Contribuição (l/s.km) Inicial Final	Vazão a Montante (l/s) Inicial Final	Vazão do Trecho (l/s) Inicial Final	Vazão a Jusante (l/s) Inicial Final	Diam (mm)	Decl (m/m)	Cota do Terreno (m) Mont. Jus.	Cota do Coletor (m) Mont. Jus.	Profund. do Coletor (m) Mont. Jus.	Lâmina Líquida (Y/D) Inicial Final	Sing. Jus. (m)	Velocidade (m/s) Inicial Final	Trativa (Pa)	Veloc Crit (m/s)	Observ.
015-001	46.00	PV15.981 PV15.982	0.00084 0.00291	0.0000 0.0000	0.0388 0.1338	0.0388 0.1338	150	0.00361	2.230 2.150	1.180 1.010	1.050 1.140	0.24 0.24	1.136	0.46 0.46	0.72	2.74	
015-002	56.00	PV15.982 PV15.9.8	0.00084 0.00291	0.0388 0.1338	0.0473 0.1629	0.0861 0.2967	150	0.00361	2.150 2.050	1.010 0.810	1.140 1.240	0.24 0.24	2.356	0.46 0.46	0.72	2.74	TQ 1.118
014-001	48.00	PV159621 PV15.962	0.00084 0.00291	0.0000 0.0000	0.0405 0.1397	0.0405 0.1397	150	0.00360	1.950 1.960	0.900 0.730	1.050 1.230	0.24 0.24	1.233	0.46 0.46	0.72	2.74	
013-001	31.00	PV15.961 PV15.962	0.00084 0.00291	0.0000 0.0000	0.0262 0.0902	0.0262 0.0902	150	0.01290	2.360 1.960	1.300 0.900	1.060 1.060	0.17 0.17	1.233	0.72 0.72	1.95	2.38	DG 0.171
013-002	57.00	PV15.962 PV15.9.6	0.00084 0.00291	0.0667 0.2299	0.0481 0.1658	0.1148 0.3957	150	0.00360	1.960 1.990	0.730 0.520	1.230 1.470	0.24 0.24	2.127	0.46 0.46	0.72	2.74	TQ 0.659
012-001	63.00	PV15.931 PV15.932	0.00084 0.00291	0.0000 0.0000	0.0532 0.1833	0.0532 0.1833	150	0.00360	2.200 2.120	1.150 0.920	1.050 1.200	0.24 0.24	1.197	0.46 0.46	0.72	2.74	
012-002	11.00	PV15.932 PV15.9.3	0.00084 0.00291	0.0532 0.1833	0.0093 0.0320	0.0625 0.2153	150	0.00364	2.120 2.150	0.920 0.880	1.200 1.270	0.24 0.24	1.607	0.46 0.46	0.72	2.74	DG 0.340
011-001	72.00	PV15.9.1 PV15.9.2	0.00084 0.00291	0.0000 0.0000	0.0608 0.2095	0.0608 0.2095	150	0.00360	2.010 2.180	0.960 0.700	1.050 1.480	0.24 0.24	1.479	0.46 0.46	0.72	2.74	
011-002	44.00	PV15.9.2 PV15.9.3	0.00084 0.00291	0.0608 0.2095	0.0372 0.1280	0.0980 0.3375	150	0.00360	2.180 2.150	0.700 0.540	1.480 1.610	0.24 0.24	1.607	0.46 0.46	0.72	2.74	
011-003	71.00	PV15.9.3 PV15.9.4	0.00084 0.00291	0.1605 0.5528	0.0599 0.2066	0.2204 0.7594	150	0.00361	2.150 2.040	0.540 0.290	1.610 1.750	0.24 0.24	1.753	0.46 0.46	0.72	2.74	
011-004	41.00	PV15.9.4 PV15.9.5	0.00084 0.00291	0.2204 0.7594	0.0346 0.1193	0.2550 0.8787	150	0.00361	2.040 2.040	0.290 0.140	1.750 1.900	0.24 0.24	1.901	0.46 0.46	0.72	2.74	
011-005	77.00	PV15.9.5 PV15.9.6	0.00084 0.00291	0.2550 0.8787	0.0650 0.2240	0.3200 1.1027	150	0.00360	2.040 1.990	0.140 -0.140	1.900 2.130	0.24 0.24	2.127	0.46 0.46	0.72	2.74	



Trecho	Comp (m)	Poço de Visita Mont. Jus.	Contribuição (l/s.km) Inicial Final	Vazão a Montante (l/s) Inicial Final	Vazão do Trecho (l/s) Inicial Final	Vazão a Jusante (l/s) Inicial Final	Diam (mm)	Decl (m/m)	Cota do Terreno (m) Mont. Jus.	Cota do Coletor (m) Mont. Jus.	Profund. do Coletor (m) Mont. Jus.	Lâmina Líquida (Y/D) Inicial Final	Sing. Jus. (m)	Velocidade (m/s) Inicial Final	Trativa (Pa)	Veloc Crit (m/s)	Observ.
011-006	27.00	PV15.9.6 PV15.9.7	0.00084 0.00291	0.4348 1.4984	0.0228 0.0786	0.4576 1.5770	150	0.00360	1.990 2.090	-0.140 -0.230	2.130 2.320	0.24 0.25	2.322	0.46 0.47	0.72	2.77	
011-007	21.00	PV15.9.7 PV15.9.8	0.00084 0.00291	0.4576 1.5770	0.0177 0.0611	0.4753 1.6381	150	0.00360	2.090 2.050	-0.230 -0.310	2.320 2.360	0.24 0.25	2.356	0.46 0.47	0.72	2.79	
011-008	69.00	PV15.9.8 PV15.9	0.00084 0.00291	0.5614 1.9348	0.0583 0.2008	0.6197 2.1356	150	0.00360	2.050 2.010	-0.310 -0.550	2.360 2.560	0.24 0.29	2.562	0.46 0.51	0.72	2.95	
010-001	30.00	PV15.7.1 PV15.7	0.00084 0.00291	0.0000 0.0000	0.0253 0.0873	0.0253 0.0873	150	0.00360	2.120 2.320	1.070 0.960	1.050 1.360	0.24 0.24	2.081	0.46 0.46	0.72	2.74	TQ 0.723
009-001	45.00	PV15.6.1 PV15.6.2	0.00084 0.00291	0.0000 0.0000	0.0380 0.1309	0.0380 0.1309	150	0.00360	2.450 2.310	1.400 1.240	1.050 1.070	0.24 0.24	1.072	0.46 0.46	0.72	2.74	
009-002	20.00	PV15.6.2 PV15.6	0.00084 0.00291	0.0380 0.1309	0.0169 0.0582	0.0549 0.1891	150	0.00360	2.310 2.250	1.240 1.170	1.070 1.080	0.24 0.24	1.791	0.46 0.46	0.72	2.74	TQ 0.707
008-001	54.00	PV15.4.31 PV15.4.3	0.00084 0.00291	0.0000 0.0000	0.0456 0.1571	0.0456 0.1571	150	0.00360	2.560 2.380	1.510 1.320	1.050 1.060	0.24 0.24	1.064	0.46 0.46	0.72	2.74	
007-001	49.00	PV15.4.1 PV15.4.2	0.00084 0.00291	0.0000 0.0000	0.0414 0.1426	0.0414 0.1426	150	0.00360	2.790 2.650	1.740 1.560	1.050 1.090	0.24 0.24	1.086	0.46 0.46	0.72	2.74	
007-002	59.00	PV15.4.2 PV15.4.3	0.00084 0.00291	0.0414 0.1426	0.0498 0.1717	0.0912 0.3143	150	0.00414	2.650 2.380	1.560 1.320	1.090 1.060	0.23 0.23	1.064	0.48 0.48	0.85	2.71	DG 0.014
007-003	53.00	PV15.4.3 PV15.4.4	0.00084 0.00291	0.1368 0.4714	0.0447 0.1542	0.1815 0.6256	150	0.00387	2.380 2.250	1.320 1.110	1.060 1.140	0.24 0.24	1.125	0.46 0.46	0.72	2.74	DG 0.000
007-004	41.00	PV15.4.4 PV15.4	0.00084 0.00291	0.1815 0.6256	0.0346 0.1193	0.2161 0.7449	150	0.00361	2.250 2.370	1.110 0.960	1.140 1.410	0.24 0.24	1.645	0.46 0.46	0.72	2.74	DG 0.238
006-001	42.00	PV15.3.4 PV15.3.5	0.00084 0.00291	0.0000 0.0000	0.0355 0.1222	0.0355 0.1222	150	0.00360	2.250 2.360	1.200 1.050	1.050 1.310	0.24 0.24	1.311	0.46 0.46	0.72	2.74	
006-002	42.00	PV15.3.5 PV15.3	0.00084 0.00291	0.0355 0.1222	0.0355 0.1222	0.0710 0.2444	150	0.00360	2.360 2.450	1.050 0.900	1.310 1.550	0.24 0.24	1.552	0.46 0.46	0.72	2.74	
005-001	17.00	PV15.3.1 PV15.3.2	0.00084 0.00291	0.0000 0.0000	0.0144 0.0495	0.0144 0.0495	150	0.00412	2.580 2.510	1.530 1.460	1.050 1.050	0.23 0.23	1.050	0.48 0.48	0.80	2.70	
005-002	23.00	PV15.3.2 PV15.3.3	0.00084 0.00291	0.0144 0.0495	0.0194 0.0669	0.0338 0.1164	150	0.00361	2.510 2.470	1.460 1.380	1.050 1.090	0.24 0.24	1.093	0.46 0.46	0.72	2.74	



Trecho	Comp (m)	Poço de Visita Mont. Jus.	Contribuição (l/s.km) Inicial Final	Vazão a Montante (l/s) Inicial Final	Vazão do Trecho (l/s) Inicial Final	Vazão a Jusante (l/s) Inicial Final	Diam (mm)	Decl (m/m)	Cota do Terreno (m) Mont. Jus.	Cota do Coletor (m) Mont. Jus.	Profund. do Coletor (m) Mont. Jus.	Lâmina Líquida (Y/D) Inicial Final	Sing. Jus. (m)	Velocidade (m/s) Inicial Final	Trativa (Pa)	Veloc Crit (m/s)	Observ.
005-003	7.00	PV15.3.3	0.00084	0.0338	0.0059	0.0397	150	0.00357	2.470	1.380	1.090	0.24	1.552	0.46	0.72	2.74	DG 0.454
		PV15.3	0.00291	0.1164	0.0204	0.1368			2.450	1.350	1.100	0.24		0.46			
004-001	45.00	PV18.1	0.00084	0.0000	0.0380	0.0380	150	0.00400	2.010	0.960	1.050	0.23	1.050	0.48	0.78	2.71	
		PV18.2	0.00291	0.0000	0.1309	0.1309			1.830	0.780	1.050	0.23		0.48			
004-002	55.00	PV18.2	0.00084	0.0380	0.0464	0.0844	150	0.00360	1.830	0.780	1.050	0.24	1.128	0.46	0.72	2.74	
		PV18.3	0.00291	0.1309	0.1600	0.2909			1.710	0.580	1.130	0.24		0.46			
004-003	50.00	PV18.3	0.00084	0.0844	0.0422	0.1266	150	0.00360	1.710	0.580	1.130	0.24	2.928	0.46	0.72	2.74	TQ 1.800
		PV018	0.00291	0.2909	0.1455	0.4364			1.530	0.400	1.130	0.24		0.46			
003-001	30.00	PV15.1	0.00084	0.0000	0.0253	0.0253	150	0.00360	2.250	1.200	1.050	0.24	1.148	0.46	0.72	2.74	
		PV15.2	0.00291	0.0000	0.0873	0.0873			2.240	1.090	1.150	0.24		0.46			
003-002	36.00	PV15.2	0.00084	0.0253	0.0304	0.0557	150	0.00361	2.240	1.090	1.150	0.24	1.552	0.46	0.72	2.74	DG 0.064
		PV15.3	0.00291	0.0873	0.1047	0.1920			2.450	0.960	1.490	0.24		0.46			
003-003	48.00	PV15.3	0.00084	0.1664	0.0405	0.2069	150	0.00360	2.450	0.900	1.550	0.24	1.645	0.46	0.72	2.74	
		PV15.4	0.00291	0.5732	0.1397	0.7129			2.370	0.730	1.650	0.24		0.46			
003-004	35.00	PV15.4	0.00084	0.4230	0.0296	0.4526	150	0.00360	2.370	0.730	1.650	0.24	1.751	0.46	0.72	2.76	
		PV15.5	0.00291	1.4578	0.1018	1.5596			2.350	0.600	1.750	0.24		0.47			
003-005	39.00	PV15.5	0.00084	0.4526	0.0329	0.4855	150	0.00360	2.350	0.600	1.750	0.24	1.791	0.46	0.72	2.80	
		PV15.6	0.00291	1.5596	0.1135	1.6731			2.250	0.460	1.790	0.25		0.47			
003-006	61.00	PV15.6	0.00084	0.5404	0.0515	0.5919	150	0.00361	2.250	0.460	1.790	0.24	2.081	0.46	0.72	2.93	
		PV15.7	0.00291	1.8622	0.1775	2.0397			2.320	0.240	2.080	0.28		0.50			
003-007	65.00	PV15.7	0.00084	0.6172	0.0549	0.6721	150	0.00360	2.320	0.240	2.080	0.24	2.455	0.46	0.72	3.01	
		PV15.8	0.00291	2.1270	0.1891	2.3161			2.460	0.010	2.460	0.30		0.52			
003-008	64.00	PV15.8	0.00084	0.6721	0.0540	0.7261	150	0.00358	2.460	0.010	2.460	0.24	2.562	0.46	0.72	3.06	DG 0.328
		PV15.9	0.00291	2.3161	0.1862	2.5023			2.010	-0.220	2.230	0.31		0.53			
003-009	40.00	PV15.9	0.00084	1.3458	0.0338	1.3796	150	0.00360	2.010	-0.550	2.560	0.24	2.714	0.46	0.72	3.49	
		PV015	0.00291	4.6379	0.1164	4.7543			2.020	-0.690	2.710	0.44		0.63			
002-001	40.00	PV9.1	0.00084	0.0000	0.0338	0.0338	150	0.00360	2.160	1.110	1.050	0.24	1.174	0.46	0.72	2.74	
		PV9.2	0.00291	0.0000	0.1164	0.1164			2.140	0.970	1.170	0.24		0.46			
002-002	39.00	PV9.2	0.00084	0.0338	0.0329	0.0667	150	0.00360	2.140	0.970	1.170	0.24	1.304	0.46	0.72	2.74	
		PV9.3	0.00291	0.1164	0.1135	0.2299			2.130	0.830	1.300	0.24		0.46			



Trecho	Comp (m)	Poço de Visita Mont. Jus.	Contribuição (l/s.km) Inicial Final	Vazão a Montante (l/s) Inicial Final	Vazão do Trecho (l/s) Inicial Final	Vazão a Jusante (l/s) Inicial Final	Diam (mm)	Decl (m/m)	Cota do Terreno (m) Mont. Jus.	Cota do Coletor (m) Mont. Jus.	Profund. do Coletor (m) Mont. Jus.	Lâmina Líquida (Y/D) Inicial Final	Sing. Jus. (m)	Velocidade (m/s) Inicial Final	Trativa (Pa)	Veloc Crit (m/s)	Observ.
002-003	18.00	PV9.3 PV9.4	0.00084 0.00291	0.0667 0.2299	0.0152 0.0524	0.0819 0.2823	150	0.00361	2.130 2.110	0.830 0.760	1.300 1.350	0.24 0.24	1.349	0.46 0.46	0.72	2.74	
002-004	31.00	PV9.4 PV009	0.00084 0.00291	0.0819 0.2823	0.0262 0.0902	0.1081 0.3725	150	0.00361	2.110 1.740	0.760 0.650	1.350 1.090	0.24 0.24	1.091	0.46 0.46	0.72	2.74	
001-001	40.00	PV001 PV002	0.00084 0.00291	0.0000 0.0000	0.0179 0.0592	0.0179 0.0592	150	0.00360	3.120 3.070	2.070 1.930	1.050 1.140	0.24 0.24	1.144	0.46 0.46	0.72	2.74	
001-002	46.00	PV002 PV003	0.00084 0.00291	0.0179 0.0592	0.0206 0.0681	0.0385 0.1273	150	0.00361	3.070 3.040	1.930 1.760	1.140 1.280	0.24 0.24	1.280	0.46 0.46	0.72	2.74	
001-003	47.00	PV003 PV004	0.00084 0.00291	0.0385 0.1273	0.0210 0.0696	0.0595 0.1969	150	0.00360	3.040 3.030	1.760 1.590	1.280 1.440	0.24 0.24	1.439	0.46 0.46	0.72	2.74	
001-004	72.00	PV004 PV005	0.00084 0.00291	0.0595 0.1969	0.0322 0.1065	0.0917 0.3034	150	0.00360	3.030 2.960	1.590 1.330	1.440 1.630	0.24 0.24	1.628	0.46 0.46	0.72	2.74	
001-005	75.00	PV005 PV006	0.00084 0.00291	0.0917 0.3034	0.0335 0.1110	0.1252 0.4144	150	0.00360	2.960 2.900	1.330 1.060	1.630 1.840	0.24 0.24	1.838	0.46 0.46	0.72	2.74	
001-006	43.00	PV006 PV007	0.00084 0.00291	0.1252 0.4144	0.0192 0.0636	0.1444 0.4780	150	0.00360	2.900 2.860	1.060 0.910	1.840 1.950	0.24 0.24	1.953	0.46 0.46	0.72	2.74	
001-007	26.00	PV007 PV008	0.00084 0.00291	0.1444 0.4780	0.0116 0.0385	0.1560 0.5165	150	0.00362	2.860 2.460	0.910 0.810	1.950 1.650	0.24 0.24	1.647	0.46 0.46	0.72	2.74	
001-008	43.00	PV008 PV009	0.00084 0.00291	0.1560 0.5165	0.0192 0.0636	0.1752 0.5801	200	0.00370	2.460 1.740	0.810 0.650	1.650 1.090	0.24 0.24	1.091	0.46 0.46	0.78	2.74	DG 0.009
001-009	64.00	PV009 PV010	0.00084 0.00291	0.2833 0.9526	0.0286 0.0947	0.3119 1.0473	200	0.00373	1.740 2.100	0.650 0.410	1.090 1.690	0.24 0.24	1.681	0.46 0.46	0.72	2.74	DG 0.000
001-010	33.00	PV010 PV011	0.00084 0.00291	0.3119 1.0473	0.0148 0.0488	0.3267 1.0961	200	0.00361	2.100 2.150	0.410 0.290	1.690 1.860	0.24 0.24	1.850	0.46 0.46	0.72	2.74	
001-011	65.00	PV011 PV012	0.00084 0.00291	0.3267 1.0961	0.0291 0.0962	0.3558 1.1923	200	0.00360	2.150 2.020	0.290 0.060	1.860 1.960	0.24 0.24	1.954	0.46 0.46	0.72	2.74	
001-012	65.00	PV012 PV013	0.00084 0.00291	0.3558 1.1923	0.0291 0.0962	0.3849 1.2885	200	0.00360	2.020 1.780	0.060 -0.180	1.960 1.960	0.24 0.24	1.947	0.46 0.46	0.72	2.74	
001-013	42.00	PV013 PV014	0.00084 0.00291	0.3849 1.2885	0.0188 0.0622	0.4037 1.3507	200	0.00360	1.780 1.640	-0.180 -0.330	1.960 1.970	0.24 0.24	1.956	0.46 0.46	0.72	2.74	



Trecho	Comp (m)	Poço de Visita Mont. Jus.	Contribuição (l/s.km) Inicial Final	Vazão a Montante (l/s) Inicial Final	Vazão do Trecho (l/s) Inicial Final	Vazão a Jusante (l/s) Inicial Final	Diam (mm)	Decl (m/m)	Cota do Terreno (m) Mont. Jus.	Cota do Coletor (m) Mont. Jus.	Profund. do Coletor (m) Mont. Jus.	Lâmina Líquida (Y/D) Inicial Final	Sing. Jus. (m)	Velocidade (m/s) Inicial Final	Trativa (Pa)	Veloc Crit (m/s)	Observ.
001-014	40.00	PV014	0.00084	0.4037	0.0179	0.4216	200	0.00355	1.640	-0.330	1.970	0.24	2.714	0.46	0.72	2.74	DG 0.227
		PV015	0.00291	1.3507	0.0592	1.4099			2.020	-0.470	2.490	0.24		0.46			
001-015	65.00	PV015	0.00084	1.8012	0.0291	1.8303	200	0.00360	2.020	-0.690	2.710	0.27	2.856	0.49	0.78	3.67	
		PV016	0.00291	6.1642	0.0962	6.2604			1.930	-0.930	2.860	0.52		0.68			
001-016	66.00	PV016	0.00084	1.8303	0.0295	1.8598	200	0.00360	1.930	-0.930	2.860	0.27	2.892	0.49	0.79	3.69	
		PV017	0.00291	6.2604	0.0977	6.3581			1.730	-1.160	2.890	0.52		0.68			
001-017	66.00	PV017	0.00084	1.8598	0.0295	1.8893	200	0.00360	1.730	-1.160	2.890	0.27	2.928	0.49	0.79	3.70	
		PV018	0.00291	6.3581	0.0977	6.4558			1.530	-1.400	2.930	0.53		0.69			
001-018	64.00	PV018	0.00084	2.0159	0.0286	2.0445	200	0.00360	1.530	-1.400	2.930	0.28	3.326	0.50	0.82	3.75	
		PV019	0.00291	6.8922	0.0947	6.9869			1.700	-1.630	3.330	0.55		0.70			
001-019	27.00	PV019	0.00084	2.0445	0.0121	2.0566	300	0.00352	1.700	-1.630	3.330	0.28	0.000	0.50	0.82	3.75	FIM
		FIM	0.00291	6.9869	0.0400	7.0269			1.630	-1.720	3.350	0.55		0.70			

BAIRRO CEM BRAÇAS

SB.01

PROJETO DE REDE COLETORA DE ESGOTO SANITÁRIO

CIDADE:	ARAMAÇÃO DOS BÚZIOS		BACIA: CEM BRAÇAS	
POP. INICIAL:	782	POP. SATURAÇÃO:	2346	PER_CAPITA (l/hab.dia): 160.00
COEFICIENTE K1:	1.20	COEFICIENTE K2:	1.50	COEFICIENTE DE RETORNO (%): 80
MATERIAL PREDOMINANTE NA BACIA:	PVC		MANNING DESTE MATERIAL:	0.010
DIÂMETRO MÍNIMO:	0.150	COEF. DE INFILTRAÇÃO (l/s.m):	0.00005000	
RECOBRIMENTO MÍNIMO NAS RUAS (m):	0.900		RECOBRIMENTO MÍNIMO PASSEIOS (m):	0.650
VAZÃO EM MARCHA INICIO (l/s.m):	0.00079	VAZÃO EM MARCHA FIM (l/s.m):	0.00286	
COMPRIMENTO VIRTUAL REDE (m):	2406.50	COMPRIMENTO TOTAL REDE (m):	2901.00	

Zonas de Densidade Vinculadas ao Projeto da Bacia

Codigo	Nome da Zona de Densidade	Vazão Ini. = 2,06 l/s	Vazão Final = 7,03 l/s
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SISTEMA SANCAD - PLANILHA DE DADOS INICIAIS

10/03/2023

BAIRRO CEM BRAÇAS**SB.01****PROJETO DE REDE COLETORA DE ESGOTO SANITÁRIO**

Trecho	PV Mont.	PV Jus.	Comp	Contribuinte 1	Contribuinte 2	Contribuinte 3	Lança em	Cota Terr Mont	Cota Terr Jus	Etap
015-001	PV15.981	PV15.982	46.00	-0-	-0-	-0-	015-002	2.230	2.150	1
015-002	PV15.982	PV15.9.8	56.00	015-001	-0-	-0-	011-008	2.150	2.050	1
014-001	PV159621	PV15.962	48.00	-0-	-0-	-0-	013-002	1.950	1.960	1
013-001	PV15.961	PV15.962	31.00	-0-	-0-	-0-	013-002	2.360	1.960	1
013-002	PV15.962	PV15.9.6	57.00	013-001	014-001	-0-	011-006	1.960	1.990	1
012-001	PV15.931	PV15.932	63.00	-0-	-0-	-0-	012-002	2.200	2.120	1
012-002	PV15.932	PV15.9.3	11.00	012-001	-0-	-0-	011-003	2.120	2.150	1
011-001	PV15.9.1	PV15.9.2	72.00	-0-	-0-	-0-	011-002	2.010	2.180	1
011-002	PV15.9.2	PV15.9.3	44.00	011-001	-0-	-0-	011-003	2.180	2.150	1
011-003	PV15.9.3	PV15.9.4	71.00	011-002	012-002	-0-	011-004	2.150	2.040	1
011-004	PV15.9.4	PV15.9.5	41.00	011-003	-0-	-0-	011-005	2.040	2.040	1
011-005	PV15.9.5	PV15.9.6	77.00	011-004	-0-	-0-	011-006	2.040	1.990	1
011-006	PV15.9.6	PV15.9.7	27.00	011-005	013-002	-0-	011-007	1.990	2.090	1
011-007	PV15.9.7	PV15.9.8	21.00	011-006	-0-	-0-	011-008	2.090	2.050	1

Trecho	PV Mont.	PV Jus.	Comp	Contribuinte 1	Contribuinte 2	Contribuinte 3	Lança em	Cota Terr Mont	Cota Terr Jus	Etap
011-008	PV15.9.8	PV15.9	69.00	011-007	015-002	-0-	003-009	2.050	2.010	1
010-001	PV15.7.1	PV15.7	30.00	-0-	-0-	-0-	003-007	2.120	2.320	1
009-001	PV15.6.1	PV15.6.2	45.00	-0-	-0-	-0-	009-002	2.450	2.310	1
009-002	PV15.6.2	PV15.6	20.00	009-001	-0-	-0-	003-006	2.310	2.250	1
008-001	PV15.431	PV15.4.3	54.00	-0-	-0-	-0-	007-003	2.560	2.380	1
007-001	PV15.4.1	PV15.4.2	49.00	-0-	-0-	-0-	007-002	2.790	2.650	1
007-002	PV15.4.2	PV15.4.3	59.00	007-001	-0-	-0-	007-003	2.650	2.380	1
007-003	PV15.4.3	PV15.4.4	53.00	007-002	008-001	-0-	007-004	2.380	2.250	1
007-004	PV15.4.4	PV15.4	41.00	007-003	-0-	-0-	003-004	2.250	2.370	1
006-001	PV15.3.4	PV15.3.5	42.00	-0-	-0-	-0-	006-002	2.250	2.360	1
006-002	PV15.3.5	PV15.3	42.00	006-001	-0-	-0-	003-003	2.360	2.450	1
005-001	PV15.3.1	PV15.3.2	17.00	-0-	-0-	-0-	005-002	2.580	2.510	1
005-002	PV15.3.2	PV15.3.3	23.00	005-001	-0-	-0-	005-003	2.510	2.470	1
005-003	PV15.3.3	PV15.3	7.00	005-002	-0-	-0-	003-003	2.470	2.450	1
004-001	PV18.1	PV18.2	45.00	-0-	-0-	-0-	004-002	2.010	1.830	1
004-002	PV18.2	PV18.3	55.00	004-001	-0-	-0-	004-003	1.830	1.710	1

Trecho	PV Mont.	PV Jus.	Comp	Contribuinte 1	Contribuinte 2	Contribuinte 3	Lança em	Cota Terr Mont	Cota Terr Jus	Etap
004-003	PV18.3	PV018	50.00	004-002	-0-	-0-	001-018	1.710	1.530	1
003-001	PV15.1	PV15.2	30.00	-0-	-0-	-0-	003-002	2.250	2.240	1
003-002	PV15.2	PV15.3	36.00	003-001	-0-	-0-	003-003	2.240	2.450	1
003-003	PV15.3	PV15.4	48.00	003-002	005-003	006-002	003-004	2.450	2.370	1
003-004	PV15.4	PV15.5	35.00	003-003	007-004	-0-	003-005	2.370	2.350	1
003-005	PV15.5	PV15.6	39.00	003-004	-0-	-0-	003-006	2.350	2.250	1
003-006	PV15.6	PV15.7	61.00	003-005	009-002	-0-	003-007	2.250	2.320	1
003-007	PV15.7	PV15.8	65.00	003-006	010-001	-0-	003-008	2.320	2.460	1
003-008	PV15.8	PV15.9	64.00	003-007	-0-	-0-	003-009	2.460	2.010	1
003-009	PV15.9	PV015	40.00	003-008	011-008	-0-	001-015	2.010	2.020	1
002-001	PV9.1	PV9.2	40.00	-0-	-0-	-0-	002-002	2.160	2.140	1
002-002	PV9.2	PV9.3	39.00	002-001	-0-	-0-	002-003	2.140	2.130	1
002-003	PV9.3	PV9.4	18.00	002-002	-0-	-0-	002-004	2.130	2.110	1
002-004	PV9.4	PV009	31.00	002-003	-0-	-0-	001-009	2.110	1.740	1
001-001	PV001	PV002	40.00	-0-	-0-	-0-	001-002	3.120	3.070	1
001-002	PV002	PV003	46.00	001-001	-0-	-0-	001-003	3.070	3.040	1

Trecho	PV Mont.	PV Jus.	Comp	Contribuinte 1	Contribuinte 2	Contribuinte 3	Lança em	Cota Terr Mont	Cota Terr Jus	Etap
001-003	PV003	PV004	47.00	001-002	-0-	-0-	001-004	3.040	3.030	1
001-004	PV004	PV005	72.00	001-003	-0-	-0-	001-005	3.030	2.960	1
001-005	PV005	PV006	75.00	001-004	-0-	-0-	001-006	2.960	2.900	1
001-006	PV006	PV007	43.00	001-005	-0-	-0-	001-007	2.900	2.860	1
001-007	PV007	PV008	26.00	001-006	-0-	-0-	001-008	2.860	2.460	1
001-008	PV008	PV009	43.00	001-007	-0-	-0-	001-009	2.460	1.740	1
001-009	PV009	PV010	64.00	001-008	002-004	-0-	001-010	1.740	2.100	1
001-010	PV010	PV011	33.00	001-009	-0-	-0-	001-011	2.100	2.150	1
001-011	PV011	PV012	65.00	001-010	-0-	-0-	001-012	2.150	2.020	1
001-012	PV012	PV013	65.00	001-011	-0-	-0-	001-013	2.020	1.780	1
001-013	PV013	PV014	42.00	001-012	-0-	-0-	001-014	1.780	1.640	1
001-014	PV014	PV015	40.00	001-013	-0-	-0-	001-015	1.640	2.020	1
001-015	PV015	PV016	65.00	001-014	003-009	-0-	001-016	2.020	1.930	1
001-016	PV016	PV017	66.00	001-015	-0-	-0-	001-017	1.930	1.730	1
001-017	PV017	PV018	66.00	001-016	-0-	-0-	001-018	1.730	1.530	1
001-018	PV018	PV019	64.00	001-017	004-003	-0-	001-019	1.530	1.700	1

Trecho	PV Mont.	PV Jus.	Comp	Contribuinte 1	Contribuinte 2	Contribuinte 3	Lança em	Cota Terr Mont	Cota Terr Jus	Etapa
001-019	PV019	FIM	27.00	001-018	-0-	-0-	FIM	1.700	1.630	1

SISTEMA SANCAD - PLANILHA DE DETALHAMENTO DAS VAZÕES

10/03/2023

BAIRRO CEM BRAÇAS

SB.01

PROJETO DE REDE COLETORA DE ESGOTO SANITÁRIO

Trecho	Comp (m)	Poço de Visita Mont. Jus.	Contribuição (l/s.m)		Vazão a Montante (l/s)		Vazão do Trecho (l/s)		Vazão a Jusante (l/s)		Diam (mm)	Decl (m/m)	Cota do Terreno (m)		Cota do Coletor (m)		Profund. do Coletor (m)		Lâmina Líquida (Y/D)		Vazão Máxima Admissível (l/s)	
			Inicial	Final	Inicial	Final	Inicial	Final	Inicial	Final			Mont. Jus.	Mont. Jus.	Mont. Jus.	Mont. Jus.	Inicial	Final				
015-001	46.00	PV15.981	0.00084	0.0000	0.0388	0.0388	150	0.00361	2.230	1.180	1.050	0.24	10.8472	PV15.982	0.00291	0.0000	0.1338	0.1338	2.150	1.010	1.140	0.24
015-002	56.00	PV15.982	0.00084	0.0388	0.0473	0.0861	150	0.00361	2.150	1.010	1.140	0.24	10.8472	PV15.9.8	0.00291	0.1338	0.1629	0.2967	2.050	0.810	1.240	0.24
014-001	48.00	PV159621	0.00084	0.0000	0.0405	0.0405	150	0.00360	1.950	0.900	1.050	0.24	10.8321	PV15.962	0.00291	0.0000	0.1397	0.1397	1.960	0.730	1.230	0.24
013-001	31.00	PV15.961	0.00084	0.0000	0.0262	0.0262	150	0.01290	2.360	1.300	1.060	0.17	20.5049	PV15.962	0.00291	0.0000	0.0902	0.0902	1.960	0.900	1.060	0.17
013-002	57.00	PV15.962	0.00084	0.0667	0.0481	0.1148	150	0.00360	1.960	0.730	1.230	0.24	10.8321	PV15.9.6	0.00291	0.2299	0.1658	0.3957	1.990	0.520	1.470	0.24
012-001	63.00	PV15.931	0.00084	0.0000	0.0532	0.0532	150	0.00360	2.200	1.150	1.050	0.24	10.8321	PV15.932	0.00291	0.0000	0.1833	0.1833	2.120	0.920	1.200	0.24
012-002	11.00	PV15.932	0.00084	0.0532	0.0093	0.0625	150	0.00364	2.120	0.920	1.200	0.24	10.8922	PV15.9.3	0.00291	0.1833	0.0320	0.2153	2.150	0.880	1.270	0.24
011-001	72.00	PV15.9.1	0.00084	0.0000	0.0608	0.0608	150	0.00360	2.010	0.960	1.050	0.24	10.8321	PV15.9.2	0.00291	0.0000	0.2095	0.2095	2.180	0.700	1.480	0.24
011-002	44.00	PV15.9.2	0.00084	0.0608	0.0372	0.0980	150	0.00360	2.180	0.700	1.480	0.24	10.8321	PV15.9.3	0.00291	0.2095	0.1280	0.3375	2.150	0.540	1.610	0.24
011-003	71.00	PV15.9.3	0.00084	0.1605	0.0599	0.2204	150	0.00361	2.150	0.540	1.610	0.24	10.8472	PV15.9.4	0.00291	0.5528	0.2066	0.7594	2.040	0.290	1.750	0.24
011-004	41.00	PV15.9.4	0.00084	0.2204	0.0346	0.2550	150	0.00361	2.040	0.290	1.750	0.24	10.8472	PV15.9.5	0.00291	0.7594	0.1193	0.8787	2.040	0.140	1.900	0.24
011-005	77.00	PV15.9.5	0.00084	0.2550	0.0650	0.3200	150	0.00360	2.040	0.140	1.900	0.24	10.8321	PV15.9.6	0.00291	0.8787	0.2240	1.1027	1.990	-0.140	2.130	0.24

Trecho	Comp (m)	Poço de Visita Mont. Jus.	Contribuição (l/s.m) Inicial Final	Vazão a Montante (l/s) Inicial Final	Vazão do Trecho (l/s) Inicial Final	Vazão a Jusante (l/s) Inicial Final	Diam (mm)	Decl (m/m)	Cota do Terreno (m) Mont. Jus.	Cota do Coletor (m) Mont. Jus.	Profund. do Coletor (m) Mont. Jus.	Lâmina Líquida (Y/D) Inicial Final	Vazão Máxima Admissível (l/s)
011-006	27.00	PV15.9.6	0.00084	0.4348	0.0228	0.4576	150	0.00360	1.990	-0.140	2.130	0.24	10.8321
		PV15.9.7	0.00291	1.4984	0.0786	1.5770			2.090	-0.230	2.320	0.25	
011-007	21.00	PV15.9.7	0.00084	0.4576	0.0177	0.4753	150	0.00360	2.090	-0.230	2.320	0.24	10.8321
		PV15.9.8	0.00291	1.5770	0.0611	1.6381			2.050	-0.310	2.360	0.25	
011-008	69.00	PV15.9.8	0.00084	0.5614	0.0583	0.6197	150	0.00360	2.050	-0.310	2.360	0.24	10.8321
		PV15.9	0.00291	1.9348	0.2008	2.1356			2.010	-0.550	2.560	0.29	
010-001	30.00	PV15.7.1	0.00084	0.0000	0.0253	0.0253	150	0.00360	2.120	1.070	1.050	0.24	10.8321
		PV15.7	0.00291	0.0000	0.0873	0.0873			2.320	0.960	1.360	0.24	
009-001	45.00	PV15.6.1	0.00084	0.0000	0.0380	0.0380	150	0.00360	2.450	1.400	1.050	0.24	10.8321
		PV15.6.2	0.00291	0.0000	0.1309	0.1309			2.310	1.240	1.070	0.24	
009-002	20.00	PV15.6.2	0.00084	0.0380	0.0169	0.0549	150	0.00360	2.310	1.240	1.070	0.24	10.8321
		PV15.6	0.00291	0.1309	0.0582	0.1891			2.250	1.170	1.080	0.24	
008-001	54.00	PV15.431	0.00084	0.0000	0.0456	0.0456	150	0.00360	2.560	1.510	1.050	0.24	10.8321
		PV15.4.3	0.00291	0.0000	0.1571	0.1571			2.380	1.320	1.060	0.24	
007-001	49.00	PV15.4.1	0.00084	0.0000	0.0414	0.0414	150	0.00360	2.790	1.740	1.050	0.24	10.8321
		PV15.4.2	0.00291	0.0000	0.1426	0.1426			2.650	1.560	1.090	0.24	
007-002	59.00	PV15.4.2	0.00084	0.0414	0.0498	0.0912	150	0.00414	2.650	1.560	1.090	0.23	11.6162
		PV15.4.3	0.00291	0.1426	0.1717	0.3143			2.380	1.320	1.060	0.23	
007-003	53.00	PV15.4.3	0.00084	0.1368	0.0447	0.1815	150	0.00387	2.380	1.320	1.060	0.24	11.2310
		PV15.4.4	0.00291	0.4714	0.1542	0.6256			2.250	1.110	1.140	0.24	
007-004	41.00	PV15.4.4	0.00084	0.1815	0.0346	0.2161	150	0.00361	2.250	1.110	1.140	0.24	10.8472
		PV15.4	0.00291	0.6256	0.1193	0.7449			2.370	0.960	1.410	0.24	
006-001	42.00	PV15.3.4	0.00084	0.0000	0.0355	0.0355	150	0.00360	2.250	1.200	1.050	0.24	10.8321
		PV15.3.5	0.00291	0.0000	0.1222	0.1222			2.360	1.050	1.310	0.24	
006-002	42.00	PV15.3.5	0.00084	0.0355	0.0355	0.0710	150	0.00360	2.360	1.050	1.310	0.24	10.8321
		PV15.3	0.00291	0.1222	0.1222	0.2444			2.450	0.900	1.550	0.24	
005-001	17.00	PV15.3.1	0.00084	0.0000	0.0144	0.0144	150	0.00412	2.580	1.530	1.050	0.23	11.5881
		PV15.3.2	0.00291	0.0000	0.0495	0.0495			2.510	1.460	1.050	0.23	
005-002	23.00	PV15.3.2	0.00084	0.0144	0.0194	0.0338	150	0.00361	2.510	1.460	1.050	0.24	10.8472
		PV15.3.3	0.00291	0.0495	0.0669	0.1164			2.470	1.380	1.090	0.24	

Trecho	Comp (m)	Poço de Visita Mont. Jus.	Contribuição (l/s.m) Inicial Final	Vazão a Montante (l/s) Inicial Final	Vazão do Trecho (l/s) Inicial Final	Vazão a Jusante (l/s) Inicial Final	Diam (mm)	Decl (m/m)	Cota do Terreno (m) Mont. Jus.	Cota do Coletor (m) Mont. Jus.	Profund. do Coletor (m) Mont. Jus.	Lâmina Líquida (Y/D) Inicial Final	Vazão Máxima Admissível (l/s)
005-003	7.00	PV15.3.3 PV15.3	0.00084 0.00291	0.0338 0.1164	0.0059 0.0204	0.0397 0.1368	150	0.00357	2.470 2.450	1.380 1.350	1.090 1.100	0.24 0.24	10.7869
004-001	45.00	PV18.1 PV18.2	0.00084 0.00291	0.0000 0.0000	0.0380 0.1309	0.0380 0.1309	150	0.00400	2.010 1.830	0.960 0.780	1.050 1.050	0.23 0.23	11.4181
004-002	55.00	PV18.2 PV18.3	0.00084 0.00291	0.0380 0.1309	0.0464 0.1600	0.0844 0.2909	150	0.00360	1.830 1.710	0.780 0.580	1.050 1.130	0.24 0.24	10.8321
004-003	50.00	PV18.3 PV018	0.00084 0.00291	0.0844 0.2909	0.0422 0.1455	0.1266 0.4364	150	0.00360	1.710 1.530	0.580 0.400	1.130 1.130	0.24 0.24	10.8321
003-001	30.00	PV15.1 PV15.2	0.00084 0.00291	0.0000 0.0000	0.0253 0.0873	0.0253 0.0873	150	0.00360	2.250 2.240	1.200 1.090	1.050 1.150	0.24 0.24	10.8321
003-002	36.00	PV15.2 PV15.3	0.00084 0.00291	0.0253 0.0873	0.0304 0.1047	0.0557 0.1920	150	0.00361	2.240 2.450	1.090 0.960	1.150 1.490	0.24 0.24	10.8472
003-003	48.00	PV15.3 PV15.4	0.00084 0.00291	0.1664 0.5732	0.0405 0.1397	0.2069 0.7129	150	0.00360	2.450 2.370	0.900 0.730	1.550 1.650	0.24 0.24	10.8321
003-004	35.00	PV15.4 PV15.5	0.00084 0.00291	0.4230 1.4578	0.0296 0.1018	0.4526 1.5596	150	0.00360	2.370 2.350	0.730 0.600	1.650 1.750	0.24 0.24	10.8321
003-005	39.00	PV15.5 PV15.6	0.00084 0.00291	0.4526 1.5596	0.0329 0.1135	0.4855 1.6731	150	0.00360	2.350 2.250	0.600 0.460	1.750 1.790	0.24 0.25	10.8321
003-006	61.00	PV15.6 PV15.7	0.00084 0.00291	0.5404 1.8622	0.0515 0.1775	0.5919 2.0397	150	0.00361	2.250 2.320	0.460 0.240	1.790 2.080	0.24 0.28	10.8472
003-007	65.00	PV15.7 PV15.8	0.00084 0.00291	0.6172 2.1270	0.0549 0.1891	0.6721 2.3161	150	0.00360	2.320 2.460	0.240 0.010	2.080 2.460	0.24 0.30	10.8321
003-008	64.00	PV15.8 PV15.9	0.00084 0.00291	0.6721 2.3161	0.0540 0.1862	0.7261 2.5023	150	0.00358	2.460 2.010	0.010 -0.220	2.460 2.230	0.24 0.31	10.8020
003-009	40.00	PV15.9 PV015	0.00084 0.00291	1.3458 4.6379	0.0338 0.1164	1.3796 4.7543	150	0.00360	2.010 2.020	-0.550 -0.690	2.560 2.710	0.24 0.44	10.8321
002-001	40.00	PV9.1 PV9.2	0.00084 0.00291	0.0000 0.0000	0.0338 0.1164	0.0338 0.1164	150	0.00360	2.160 2.140	1.110 0.970	1.050 1.170	0.24 0.24	10.8321
002-002	39.00	PV9.2 PV9.3	0.00084 0.00291	0.0338 0.1164	0.0329 0.1135	0.0667 0.2299	150	0.00360	2.140 2.130	0.970 0.830	1.170 1.300	0.24 0.24	10.8321

Trecho	Comp (m)	Poço de Visita Mont. Jus.	Contribuição (l/s.m) Inicial Final	Vazão a Montante (l/s) Inicial Final	Vazão do Trecho (l/s) Inicial Final	Vazão a Jusante (l/s) Inicial Final	Diam (mm)	Decl (m/m)	Cota do Terreno (m) Mont. Jus.	Cota do Coletor (m) Mont. Jus.	Profund. do Coletor (m) Mont. Jus.	Lâmina Líquida (Y/D) Inicial Final	Vazão Máxima Admissível (l/s)
002-003	18.00	PV9.3 PV9.4	0.00084 0.00291	0.0667 0.2299	0.0152 0.0524	0.0819 0.2823	150	0.00361	2.130 2.110	0.830 0.760	1.300 1.350	0.24 0.24	10.8472
002-004	31.00	PV9.4 PV009	0.00084 0.00291	0.0819 0.2823	0.0262 0.0902	0.1081 0.3725	150	0.00361	2.110 1.740	0.760 0.650	1.350 1.090	0.24 0.24	10.8472
001-001	40.00	PV001 PV002	0.00084 0.00291	0.0000 0.0000	0.0179 0.0592	0.0179 0.0592	150	0.00360	3.120 3.070	2.070 1.930	1.050 1.140	0.24 0.24	10.8321
001-002	46.00	PV002 PV003	0.00084 0.00291	0.0179 0.0592	0.0206 0.0681	0.0385 0.1273	150	0.00361	3.070 3.040	1.930 1.760	1.140 1.280	0.24 0.24	10.8472
001-003	47.00	PV003 PV004	0.00084 0.00291	0.0385 0.1273	0.0210 0.0696	0.0595 0.1969	150	0.00360	3.040 3.030	1.760 1.590	1.280 1.440	0.24 0.24	10.8321
001-004	72.00	PV004 PV005	0.00084 0.00291	0.0595 0.1969	0.0322 0.1065	0.0917 0.3034	150	0.00360	3.030 2.960	1.590 1.330	1.440 1.630	0.24 0.24	10.8321
001-005	75.00	PV005 PV006	0.00084 0.00291	0.0917 0.3034	0.0335 0.1110	0.1252 0.4144	150	0.00360	2.960 2.900	1.330 1.060	1.630 1.840	0.24 0.24	10.8321
001-006	43.00	PV006 PV007	0.00084 0.00291	0.1252 0.4144	0.0192 0.0636	0.1444 0.4780	150	0.00360	2.900 2.860	1.060 0.910	1.840 1.950	0.24 0.24	10.8321
001-007	26.00	PV007 PV008	0.00084 0.00291	0.1444 0.4780	0.0116 0.0385	0.1560 0.5165	150	0.00362	2.860 2.460	0.910 0.810	1.950 1.650	0.24 0.24	10.8622
001-008	43.00	PV008 PV009	0.00084 0.00291	0.1560 0.5165	0.0192 0.0636	0.1752 0.5801	200	0.00370	2.460 1.740	0.810 0.650	1.650 1.090	0.24 0.24	10.9816
001-009	64.00	PV009 PV010	0.00084 0.00291	0.2833 0.9526	0.0286 0.0947	0.3119 1.0473	200	0.00373	1.740 2.100	0.650 0.410	1.090 1.690	0.24 0.24	11.0260
001-010	33.00	PV010 PV011	0.00084 0.00291	0.3119 1.0473	0.0148 0.0488	0.3267 1.0961	200	0.00361	2.100 2.150	0.410 0.290	1.690 1.860	0.24 0.24	10.8472
001-011	65.00	PV011 PV012	0.00084 0.00291	0.3267 1.0961	0.0291 0.0962	0.3558 1.1923	200	0.00360	2.150 2.020	0.290 0.060	1.860 1.960	0.24 0.24	10.8321
001-012	65.00	PV012 PV013	0.00084 0.00291	0.3558 1.1923	0.0291 0.0962	0.3849 1.2885	200	0.00360	2.020 1.780	0.060 -0.180	1.960 1.960	0.24 0.24	10.8321
001-013	42.00	PV013 PV014	0.00084 0.00291	0.3849 1.2885	0.0188 0.0622	0.4037 1.3507	200	0.00360	1.780 1.640	-0.180 -0.330	1.960 1.970	0.24 0.24	10.8321

Trecho	Comp (m)	Poço de Visita Mont. Jus.	Contribuição (l/s.m) Inicial Final	Vazão a Montante (l/s) Inicial Final	Vazão do Trecho (l/s) Inicial Final	Vazão a Jusante (l/s) Inicial Final	Diam (mm)	Decl (m/m)	Cota do Terreno (m) Mont. Jus.	Cota do Coletor (m) Mont. Jus.	Profund. do Coletor (m) Mont. Jus.	Lâmina Líquida (Y/D) Inicial Final	Vazão Máxima Admissível (l/s)
001-014	40.00	PV014	0.00084	0.4037	0.0179	0.4216	200	0.00355	1.640	-0.330	1.970	0.24	10.7567
		PV015	0.00291	1.3507	0.0592	1.4099			2.020	-0.470	2.490	0.24	
001-015	65.00	PV015	0.00084	1.8012	0.0291	1.8303	200	0.00360	2.020	-0.690	2.710	0.27	10.8321
		PV016	0.00291	6.1642	0.0962	6.2604			1.930	-0.930	2.860	0.52	
001-016	66.00	PV016	0.00084	1.8303	0.0295	1.8598	200	0.00360	1.930	-0.930	2.860	0.27	10.8321
		PV017	0.00291	6.2604	0.0977	6.3581			1.730	-1.160	2.890	0.52	
001-017	66.00	PV017	0.00084	1.8598	0.0295	1.8893	200	0.00360	1.730	-1.160	2.890	0.27	10.8321
		PV018	0.00291	6.3581	0.0977	6.4558			1.530	-1.400	2.930	0.53	
001-018	64.00	PV018	0.00084	2.0159	0.0286	2.0445	200	0.00360	1.530	-1.400	2.930	0.28	10.8321
		PV019	0.00291	6.8922	0.0947	6.9869			1.700	-1.630	3.330	0.55	
001-019	27.00	PV019	0.00084	2.0445	0.0121	2.0566	300	0.00352	1.700	-1.630	3.330	0.28	10.7111
		FIM	0.00291	6.9869	0.0400	7.0269			1.630	-1.720	3.350	0.55	

BAIRRO CEM BRAÇAS**SB.01****PROJETO DE REDE COLETORA DE ESGOTO SANITÁRIO**

Trecho	PV Mont.	PV Jus.	Material da Rede	Coef. Manning
015-001	PV15.981	PV15.982	PVC	0.010
015-002	PV15.982	PV15.9.8	PVC	0.010
014-001	PV159621	PV15.962	PVC	0.010
013-001	PV15.961	PV15.962	PVC	0.010
013-002	PV15.962	PV15.9.6	PVC	0.010
012-001	PV15.931	PV15.932	PVC	0.010
012-002	PV15.932	PV15.9.3	PVC	0.010
011-001	PV15.9.1	PV15.9.2	PVC	0.010
011-002	PV15.9.2	PV15.9.3	PVC	0.010
011-003	PV15.9.3	PV15.9.4	PVC	0.010
011-004	PV15.9.4	PV15.9.5	PVC	0.010
011-005	PV15.9.5	PV15.9.6	PVC	0.010
011-006	PV15.9.6	PV15.9.7	PVC	0.010
011-007	PV15.9.7	PV15.9.8	PVC	0.010
011-008	PV15.9.8	PV15.9	PVC	0.010
010-001	PV15.7.1	PV15.7	PVC	0.010
009-001	PV15.6.1	PV15.6.2	PVC	0.010
009-002	PV15.6.2	PV15.6	PVC	0.010
008-001	PV15.431	PV15.4.3	PVC	0.010
007-001	PV15.4.1	PV15.4.2	PVC	0.010
007-002	PV15.4.2	PV15.4.3	PVC	0.010

Trecho	PV Mont.	PV Jus.	Material da Rede	Coef. Manning
007-003	PV15.4.3	PV15.4.4	PVC	0.010
007-004	PV15.4.4	PV15.4	PVC	0.010
006-001	PV15.3.4	PV15.3.5	PVC	0.010
006-002	PV15.3.5	PV15.3	PVC	0.010
005-001	PV15.3.1	PV15.3.2	PVC	0.010
005-002	PV15.3.2	PV15.3.3	PVC	0.010
005-003	PV15.3.3	PV15.3	PVC	0.010
004-001	PV18.1	PV18.2	PVC	0.010
004-002	PV18.2	PV18.3	PVC	0.010
004-003	PV18.3	PV018	PVC	0.010
003-001	PV15.1	PV15.2	PVC	0.010
003-002	PV15.2	PV15.3	PVC	0.010
003-003	PV15.3	PV15.4	PVC	0.010
003-004	PV15.4	PV15.5	PVC	0.010
003-005	PV15.5	PV15.6	PVC	0.010
003-006	PV15.6	PV15.7	PVC	0.010
003-007	PV15.7	PV15.8	PVC	0.010
003-008	PV15.8	PV15.9	PVC	0.010
003-009	PV15.9	PV015	PVC	0.010
002-001	PV9.1	PV9.2	PVC	0.010
002-002	PV9.2	PV9.3	PVC	0.010
002-003	PV9.3	PV9.4	PVC	0.010
002-004	PV9.4	PV009	PVC	0.010
001-001	PV001	PV002	PVC	0.010

Trecho	PV Mont.	PV Jus.	Material da Rede	Coef. Manning
001-002	PV002	PV003	PVC	0.010
001-003	PV003	PV004	PVC	0.010
001-004	PV004	PV005	PVC	0.010
001-005	PV005	PV006	PVC	0.010
001-006	PV006	PV007	PVC	0.010
001-007	PV007	PV008	PVC	0.010
001-008	PV008	PV009	PVC	0.010
001-009	PV009	PV010	PVC	0.010
001-010	PV010	PV011	PVC	0.010
001-011	PV011	PV012	PVC	0.010
001-012	PV012	PV013	PVC	0.010
001-013	PV013	PV014	PVC	0.010
001-014	PV014	PV015	PVC	0.010
001-015	PV015	PV016	PVC	0.010
001-016	PV016	PV017	PVC	0.010
001-017	PV017	PV018	PVC	0.010
001-018	PV018	PV019	PVC	0.010
001-019	PV019	FIM	PVC	0.010

BAIRRO CEM BRAÇAS**SB.01****PROJETO DE REDE COLETORA DE ESGOTO SANITÁRIO**

Trecho	PV Mont.	PV Jus.	Órgão Acessório
015-001	PV15.981	PV15.982	PV
015-002	PV15.982	PV15.9.8	PV
014-001	PV159621	PV15.962	PV
013-001	PV15.961	PV15.962	PV
013-002	PV15.962	PV15.9.6	PV
012-001	PV15.931	PV15.932	PV
012-002	PV15.932	PV15.9.3	PV
011-001	PV15.9.1	PV15.9.2	PV
011-002	PV15.9.2	PV15.9.3	PV
011-003	PV15.9.3	PV15.9.4	PV
011-004	PV15.9.4	PV15.9.5	PV
011-005	PV15.9.5	PV15.9.6	PV
011-006	PV15.9.6	PV15.9.7	PV
011-007	PV15.9.7	PV15.9.8	PV
011-008	PV15.9.8	PV15.9	PV
010-001	PV15.7.1	PV15.7	PV
009-001	PV15.6.1	PV15.6.2	PV
009-002	PV15.6.2	PV15.6	PV
008-001	PV15.431	PV15.4.3	PV
007-001	PV15.4.1	PV15.4.2	PV
007-002	PV15.4.2	PV15.4.3	PV

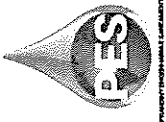
Trecho	PV Mont.	PV Jus.	Órgão Acessório
007-003	PV15.4.3	PV15.4.4	PV
007-004	PV15.4.4	PV15.4	PV
006-001	PV15.3.4	PV15.3.5	PV
006-002	PV15.3.5	PV15.3	PV
005-001	PV15.3.1	PV15.3.2	PV
005-002	PV15.3.2	PV15.3.3	PV
005-003	PV15.3.3	PV15.3	PV
004-001	PV18.1	PV18.2	PV
004-002	PV18.2	PV18.3	PV
004-003	PV18.3	PV018	PV
003-001	PV15.1	PV15.2	PV
003-002	PV15.2	PV15.3	PV
003-003	PV15.3	PV15.4	PV
003-004	PV15.4	PV15.5	PV
003-005	PV15.5	PV15.6	PV
003-006	PV15.6	PV15.7	PV
003-007	PV15.7	PV15.8	PV
003-008	PV15.8	PV15.9	PV
003-009	PV15.9	PV015	PV
002-001	PV9.1	PV9.2	PV
002-002	PV9.2	PV9.3	PV
002-003	PV9.3	PV9.4	PV
002-004	PV9.4	PV009	PV
001-001	PV001	PV002	PV

Trecho	PV Mont.	PV Jus.	Órgão Acessório
001-002	PV002	PV003	PV
001-003	PV003	PV004	PV
001-004	PV004	PV005	PV
001-005	PV005	PV006	PV
001-006	PV006	PV007	PV
001-007	PV007	PV008	PV
001-008	PV008	PV009	PV
001-009	PV009	PV010	PV
001-010	PV010	PV011	PV
001-011	PV011	PV012	PV
001-012	PV012	PV013	PV
001-013	PV013	PV014	PV
001-014	PV014	PV015	PV
001-015	PV015	PV016	PV
001-016	PV016	PV017	PV
001-017	PV017	PV018	PV
001-018	PV018	PV019	PV
001-019	PV019	FIM	PV



Nº de CI's previstas em Projeto		NºCI's-P&S.PLG.RCE.Bz.BCB.001	
Referência:	EMOP nov/2022	CÓDIGO	15.065.0011-0
		Valor unitário	R\$ 2.640,91
Obra:	Bairro Cem Braças - Armação dos Búzios - RJ		
CRONOGRAMA FÍSICO-FINANCEIRO			
Item	COLETORES DO PROJETO EXECUTIVO	TRECHO	Nº de CI's
		1 - 11	2
		1 - 12	2
		1 - 13	1
	COLEOR 1	1 - 14	2
		1 - 15	5
		1 - 16	6
		1 - 17	6
		1 - 18	6
		1 - 19	1
03	COLEOR 3	3 - 4	2
		3 - 5	2
		3 - 6	5
		3 - 7	6
		3 - 8	4
		3 - 9	2
04	COLEOR 4	4 - 1	5
		4 - 2	5
		4 - 3	6
Total DE CI's:		68	
VALOR UNITÁRIO		2640,91	
Total sem BDI (R\$):		R\$ 179.581,88	
BDI		21,17%	
Total com BDI (R\$):		R\$ 217.599,36	

1. Levantar o número de CIs previstas no projeto 68
2. Valor necessário para execução das mesmas; R\$ 217.599,36
3. Número total de residências que serão beneficiadas pelo projeto 119
4. Quantidade da rede a ser implantada 954,00
5. Nº hab beneficiados pelo projeto 716
6. Percentual de rede em relação à existente no município favor solicitar a prolagoa



PLANILHA COMPARATIVA

DE-P&S.PLG.RCE.Bz.BCB.001

Referência: EMOP 12/2022

Obra: Bairro Cem Braças - Armação dos Búzios - RJ

	PROJETO ADEQUAÇÃO	PROJETO COMPLETO
1. Nº de CI's previstas	68	202
2. Nº hab beneficiados	714	918
3. Quantidade da Rede Coletora a ser implantada	954,00	2901,00
4. Valor necessário para execução das mesmas	179.581,88	R\$ 533.463,82
5. Valor total da Obra	R\$ 1.437.847,40	R\$ 3.605.913,66