

SISTEMA SANCAD - PLANILHA DE DADOS DE CAMPO

26/05/2021

ARARUAMA_RJ**SÍTIO BENFICA****PROJETO DE REDE COLETORA DE ESGOTO SANITÁRIO**

Trecho	PV Mont.	PV Jus.	Comp	Prof Mon	Prof Jus	Diam	Material	Paviment.	Escavação (m3)	Etapa
017-001	PV1721	PV11.7.2	11.00	1.050	1.050	150	PVC	TERRENO NATURAL	7.510	1
016-001	PV3.1	PV003	10.00	1.050	1.050	150	PVC	TERRENO NATURAL	6.830	1
015-001	PV11111	PV11112	11.00	1.050	1.050	150	PVC	TERRENO NATURAL	7.510	1
015-002	PV11112	PV11.11	21.00	1.050	1.050	150	PVC	TERRENO NATURAL	13.120	1
014-001	PV11.9.1	PV11.9	11.00	1.050	1.050	150	PVC	TERRENO NATURAL	7.510	1
013-001	PV11.8.2	PV11.8	13.00	1.050	1.150	150	PVC	TERRENO NATURAL	9.300	1
012-001	PV11.8.1	PV11.8	34.00	1.050	1.050	150	PVC	TERRENO NATURAL	17.410	1
011-001	PV11741	PV11742	19.00	1.050	1.050	150	PVC	TERRENO NATURAL	12.970	1
011-002	PV11742	PV11743	14.00	1.050	1.050	150	PVC	TERRENO NATURAL	9.260	1
011-003	PV11743	PV11.7.4	10.00	1.050	1.050	150	PVC	TERRENO	6.360	1

Trecho	PV Mont.	PV Jus.	Comp	Prof Mon	Prof Jus	Diam	Material	Paviment.	Escavação (m3)	Etapas
								NATURAL		
010-001	PV11.7.1	PV11.7.2	21.00	1.050	1.050	150	PVC	TERRENO NATURAL	14.540	1
010-002	PV11.7.2	PV11.7.3	26.00	1.050	1.050	150	PVC	TERRENO NATURAL	16.790	1
010-003	PV11.7.3	PV11.7.4	9.00	1.050	1.050	150	PVC	TERRENO NATURAL	6.140	1
010-004	PV11.7.4	PV11.7	10.00	1.050	1.050	150	PVC	TERRENO NATURAL	6.510	1
009-001	PV11.3.1	PV11.3	5.00	1.050	1.070	150	PVC	TERRENO NATURAL	3.450	1
008-001	PV11.2.1	PV11.2	5.00	1.050	1.050	150	PVC	TERRENO NATURAL	3.410	1
007-001	PV11.1	PV11.2	11.00	1.050	1.050	150	PVC	TERRENO NATURAL	7.510	1
007-002	PV11.2	PV11.3	21.00	1.050	1.070	150	PVC	TERRENO NATURAL	13.640	1
007-003	PV11.3	PV11.4	13.00	1.070	1.050	150	PVC	TERRENO NATURAL	8.400	1
007-004	PV11.4	PV11.5	18.00	1.050	1.080	150	PVC	TERRENO NATURAL	11.880	1
007-005	PV11.5	PV11.6	17.00	1.080	1.540	150	PVC	TERRENO NATURAL	14.770	1

Trecho	PV Mont.	PV Jus.	Comp	Prof Mon	Prof Jus	Diam	Material	Paviment.	Escavação (m3)	Etapa
007-006	PV11.6	PV11.7	24.00	1.540	1.280	150	PVC	TERRENO NATURAL	20.450	1
007-007	PV11.7	PV11.8	23.00	1.280	1.620	150	PVC	TERRENO NATURAL	21.460	1
007-008	PV11.8	PV11.9	14.00	1.620	1.740	150	PVC	TERRENO NATURAL	17.280	1
007-009	PV11.9	PV11.10	9.00	1.740	1.920	150	PVC	TERRENO NATURAL	12.350	1
007-010	PV11.10	PV11.11	20.00	1.920	1.870	150	PVC	TERRENO NATURAL	27.660	1
007-011	PV11.11	PV11.12	15.00	1.870	1.580	150	PVC	TERRENO NATURAL	18.840	1
007-012	PV11.12	PV11.13	26.00	1.580	1.780	150	PVC	TERRENO NATURAL	31.870	1
007-013	PV11.13	PV011	25.00	1.780	2.210	150	PVC	TERRENO NATURAL	36.370	1
006-001	PV7.1	PV007	20.00	1.050	1.400	150	PVC	TERRENO NATURAL	15.930	1
005-001	PV6.1	PV6.2	10.00	1.050	1.050	150	PVC	TERRENO NATURAL	6.830	1
005-002	PV6.2	PV006	22.00	1.050	1.050	150	PVC	TERRENO NATURAL	14.230	1
004-001	PV5.1	PV005	13.00	1.050	1.050	150	PVC	TERRENO	8.870	1

Trecho	PV Mont.	PV Jus.	Comp	Prof Mon	Prof Jus	Diam	Material	Paviment.	Escavação (m3)	Etapas
								NATURAL		
003-001	PV4.3.1	PV4.3.2	13.00	1.050	1.050	150	PVC	TERRENO NATURAL	8.870	1
003-002	PV4.3.2	PV4.3	23.00	1.050	1.530	150	PVC	TERRENO NATURAL	18.420	1
002-001	PV4.1	PV4.2	11.00	1.050	1.400	150	PVC	TERRENO NATURAL	8.760	1
002-002	PV4.2	PV4.3	15.00	1.400	1.050	150	PVC	TERRENO NATURAL	13.630	1
002-003	PV4.3	PV004	8.00	1.530	1.050	150	PVC	TERRENO NATURAL	6.710	1
001-001	PV001	PV002	25.00	1.050	1.050	150	PVC	TERRENO NATURAL	12.750	1
001-002	PV002	PV003	23.00	1.050	1.050	150	PVC	TERRENO NATURAL	16.320	1
001-003	PV003	PV004	13.00	1.050	1.050	150	PVC	TERRENO NATURAL	8.160	1
001-004	PV004	PV005	23.00	1.050	1.050	150	PVC	TERRENO NATURAL	12.640	1
001-005	PV005	PV006	32.00	1.050	1.050	150	PVC	TERRENO NATURAL	18.710	1
001-006	PV006	PV007	20.00	1.050	1.050	150	PVC	TERRENO NATURAL	13.000	1

Trecho	PV Mont.	PV Jus.	Comp	Prof Mon	Prof Jus	Diam	Material	Paviment.	Escavação (m3)	Etapa
001-007	PV007	PV008	16.00	1.400	1.330	150	PVC	TERRENO NATURAL	13.780	1
001-008	PV008	PV009	19.00	1.330	1.220	150	PVC	TERRENO NATURAL	14.720	1
001-009	PV009	PV010	25.00	1.220	1.170	150	PVC	TERRENO NATURAL	17.990	1
001-010	PV010	PV011	23.00	1.170	1.100	150	PVC	TERRENO NATURAL	16.470	1
001-011	PV011	FIM	6.00	2.210	2.220	150	PVC	TERRENO NATURAL	9.740	1

SISTEMA SANCAD - PLANILHA DE DADOS FINAIS
ARARUAMA_RJ
SÍTIO BENFICA
PROJETO DE REDE COLETORA DE ESGOTO SANITÁRIO

26/05/2021

Trecho	PVM	PVJ	Comp (m)	CTM (m)	CTJ (m)	CCM (m)	CCJ (m)	PRFM (m)	PRFJ (m)	Diam (mm)	Decl (m/m)	Q Real Ini (l/s)	Q Real Fim (l/s)	Veloc Ini (m/s)	Veloc Fim (m/s)	Veloc Crit (m/s)	Trativa (Pa)	H/D Ini	H/D Fim	Observ.
017-001	PV1721	PV11.7.2	11.00	5.420	5.230	4.370	4.180	1.050	1.050	150	0.01745	0.005	0.008	0.80	0.80	2.30	2.46	0.16	0.16	
016-001	PV3.1	PV003	10.00	16.970	15.640	15.920	14.590	1.050	1.050	150	0.13330	0.004	0.008	1.64	1.64	1.83	11.91	0.10	0.10	
015-001	PV11111	PV11112	11.00	5.610	5.490	4.560	4.440	1.050	1.050	150	0.01136	0.005	0.008	0.69	0.69	2.41	1.76	0.18	0.18	
015-002	PV11112	PV11.11	21.00	5.490	4.930	4.440	3.880	1.050	1.050	150	0.02662	0.013	0.024	0.93	0.93	2.20	3.42	0.15	0.15	TQ 0.824
014-001	PV11.9.1	PV11.9	11.00	5.070	4.930	4.020	3.880	1.050	1.050	150	0.01236	0.005	0.008	0.71	0.71	2.39	1.88	0.18	0.18	TQ 0.693
013-001	PV11.8.2	PV11.8	13.00	4.840	4.870	3.790	3.730	1.050	1.150	150	0.00462	0.006	0.010	0.50	0.50	2.67	0.87	0.23	0.23	TQ 0.474
012-001	PV11.8.1	PV11.8	34.00	6.770	4.870	5.720	3.820	1.050	1.050	150	0.05585	0.014	0.026	1.21	1.21	2.02	6.07	0.12	0.12	TQ 0.569
011-001	PV11741	PV11742	19.00	7.290	5.810	6.240	4.760	1.050	1.050	150	0.07768	0.008	0.014	1.36	1.36	1.95	7.84	0.11	0.11	
011-002	PV11742	PV11743	14.00	5.810	5.200	4.760	4.150	1.050	1.050	150	0.04371	0.014	0.025	1.11	1.11	2.08	5.02	0.13	0.13	
011-003	PV11743	PV11.7.4	10.00	5.200	4.780	4.150	3.730	1.050	1.050	150	0.04180	0.018	0.033	1.09	1.09	2.09	4.85	0.13	0.13	
010-001	PV11.7.1	PV11.7.2	21.00	7.570	5.230	6.520	4.180	1.050	1.050	150	0.11148	0.009	0.016	1.54	1.54	1.87	10.37	0.10	0.10	
010-002	PV11.7.2	PV11.7.3	26.00	5.230	5.100	4.180	4.050	1.050	1.050	150	0.00512	0.024	0.044	0.52	0.52	2.64	0.95	0.22	0.22	
010-003	PV11.7.3	PV11.7.4	9.00	5.100	4.780	4.050	3.730	1.050	1.050	150	0.03522	0.028	0.051	1.03	1.03	2.13	4.25	0.14	0.14	
010-004	PV11.7.4	PV11.7	10.00	4.780	4.630	3.730	3.580	1.050	1.050	150	0.01480	0.050	0.091	0.76	0.76	2.34	2.16	0.17	0.17	TQ 0.226
009-001	PV11.3.1	PV11.3	5.00	4.960	4.950	3.910	3.880	1.050	1.070	150	0.00460	0.002	0.004	0.50	0.50	2.67	0.87	0.23	0.23	
008-001	PV11.2.1	PV11.2	5.00	6.110	5.540	5.060	4.490	1.050	1.050	150	0.11320	0.002	0.004	1.55	1.55	1.87	10.49	0.10	0.10	
007-001	PV11.1	PV11.2	11.00	6.830	5.540	5.780	4.490	1.050	1.050	150	0.11700	0.005	0.008	1.56	1.56	1.86	10.76	0.10	0.10	
007-002	PV11.2	PV11.3	21.00	5.540	4.950	4.490	3.880	1.050	1.070	150	0.02910	0.016	0.028	0.95	0.95	2.18	3.59	0.14	0.14	
007-003	PV11.3	PV11.4	13.00	4.950	4.680	3.880	3.630	1.070	1.050	150	0.01954	0.023	0.042	0.84	0.84	2.27	2.69	0.16	0.16	
007-004	PV11.4	PV11.5	18.00	4.680	4.620	3.630	3.550	1.050	1.080	150	0.00461	0.031	0.056	0.50	0.50	2.67	0.87	0.23	0.23	
007-005	PV11.5	PV11.6	17.00	4.620	5.010	3.550	3.470	1.080	1.540	150	0.00460	0.038	0.069	0.50	0.50	2.67	0.87	0.23	0.23	
007-006	PV11.6	PV11.7	24.00	5.010	4.630	3.470	3.360	1.540	1.280	150	0.00460	0.048	0.087	0.50	0.50	2.67	0.87	0.23	0.23	
007-007	PV11.7	PV11.8	23.00	4.630	4.870	3.360	3.250	1.280	1.620	150	0.00461	0.108	0.195	0.50	0.50	2.67	0.87	0.23	0.23	
007-008	PV11.8	PV11.9	14.00	4.870	4.930	3.250	3.190	1.620	1.740	150	0.00460	0.134	0.242	0.50	0.50	2.67	0.87	0.23	0.23	

Trecho	PVM	PVJ	Comp (m)	CTM (m)	CTJ (m)	CCM (m)	CCJ (m)	PRFM (m)	PRFJ (m)	Diam (mm)	Decl (m/m)	Q Real Ini (l/s)	Q Real Fim (l/s)	Veloc Ini (m/s)	Veloc Fim (m/s)	Veloc Crit (m/s)	Trativa (Pa)	H/D Ini	H/D Fim	Observ.
007-009	PV11.9	PV11.10	9.00	4.930	5.070	3.190	3.150	1.740	1.920	150	0.00460	0.142	0.257	0.50	0.50	2.67	0.87	0.23	0.23	
007-010	PV11.10	PV11.11	20.00	5.070	4.930	3.150	3.050	1.920	1.870	150	0.00460	0.151	0.272	0.50	0.50	2.67	0.87	0.23	0.23	
007-011	PV11.11	PV11.12	15.00	4.930	4.570	3.050	2.990	1.870	1.580	150	0.00460	0.170	0.308	0.50	0.50	2.67	0.87	0.23	0.23	
007-012	PV11.12	PV11.13	26.00	4.570	4.650	2.990	2.870	1.580	1.780	150	0.00462	0.181	0.328	0.50	0.50	2.67	0.87	0.23	0.23	
007-013	PV11.13	PV011	25.00	4.650	4.960	2.870	2.750	1.780	2.210	150	0.00460	0.192	0.347	0.50	0.50	2.67	0.87	0.23	0.23	
006-001	PV7.1	PV007	20.00	5.380	5.630	4.330	4.240	1.050	1.400	150	0.00460	0.008	0.015	0.50	0.50	2.67	0.87	0.23	0.23	
005-001	PV6.1	PV6.2	10.00	6.540	6.200	5.490	5.150	1.050	1.050	150	0.03360	0.004	0.008	1.01	1.01	2.14	4.09	0.14	0.14	
005-002	PV6.2	PV006	22.00	6.200	5.760	5.150	4.710	1.050	1.050	150	0.02018	0.013	0.024	0.85	0.85	2.26	2.75	0.16	0.16	
004-001	PV5.1	PV005	13.00	14.360	12.050	13.310	11.000	1.050	1.050	150	0.17769	0.006	0.010	1.81	1.81	1.77	14.87	0.09	0.09	
003-001	PV4.3.1	PV4.3.2	13.00	17.600	15.320	16.550	14.270	1.050	1.050	150	0.17531	0.006	0.010	1.80	1.80	1.78	14.72	0.09	0.09	
003-002	PV4.3.2	PV4.3	23.00	15.320	15.690	14.270	14.160	1.050	1.530	150	0.00461	0.015	0.027	0.50	0.50	2.67	0.87	0.23	0.23	
002-001	PV4.1	PV4.2	11.00	17.160	17.460	16.110	16.060	1.050	1.400	150	0.00464	0.005	0.008	0.50	0.50	2.67	0.87	0.23	0.23	
002-002	PV4.2	PV4.3	15.00	17.460	15.690	16.060	14.640	1.400	1.050	150	0.09460	0.011	0.020	1.45	1.45	1.90	9.13	0.11	0.11	TQ 0.479
002-003	PV4.3	PV004	8.00	15.690	14.490	14.160	13.440	1.530	1.050	150	0.08975	0.030	0.053	1.43	1.43	1.92	8.77	0.11	0.11	
001-001	PV001	PV002	25.00	21.750	18.570	20.700	17.520	1.050	1.050	150	0.12716	0.011	0.019	1.61	1.61	1.84	11.48	0.10	0.10	
001-002	PV002	PV003	23.00	18.570	15.640	17.520	14.590	1.050	1.050	150	0.12752	0.020	0.037	1.61	1.61	1.84	11.51	0.10	0.10	
001-003	PV003	PV004	13.00	15.640	14.490	14.590	13.440	1.050	1.050	150	0.08800	0.030	0.054	1.42	1.42	1.92	8.63	0.11	0.11	
001-004	PV004	PV005	23.00	14.490	12.050	13.440	11.000	1.050	1.050	150	0.10622	0.069	0.125	1.51	1.51	1.88	9.99	0.11	0.11	
001-005	PV005	PV006	32.00	12.050	5.760	11.000	4.710	1.050	1.050	150	0.19672	0.088	0.159	1.88	1.88	1.75	16.09	0.09	0.09	
001-006	PV006	PV007	20.00	5.760	5.630	4.710	4.580	1.050	1.050	150	0.00610	0.110	0.199	0.55	0.55	2.58	1.09	0.21	0.21	TQ 0.348
001-007	PV007	PV008	16.00	5.630	5.490	4.240	4.160	1.400	1.330	150	0.00463	0.125	0.226	0.50	0.50	2.67	0.87	0.23	0.23	
001-008	PV008	PV009	19.00	5.490	5.300	4.160	4.070	1.330	1.220	150	0.00460	0.133	0.240	0.50	0.50	2.67	0.87	0.23	0.23	
001-009	PV009	PV010	25.00	5.300	5.130	4.070	3.960	1.220	1.170	150	0.00460	0.143	0.259	0.50	0.50	2.67	0.87	0.23	0.23	
001-010	PV010	PV011	23.00	5.130	4.960	3.960	3.850	1.170	1.100	150	0.00461	0.153	0.277	0.50	0.50	2.67	0.87	0.23	0.23	TQ 1.103
001-011	PV011	FIM	6.00	4.960	4.950	2.750	2.720	2.210	2.220	150	0.00467	0.347	0.628	0.50	0.50	2.67	0.87	0.23	0.23	FIM

ARARUAMA_RJ

SÍTIO BENFICA

PROJETO DE REDE COLETORA DE ESGOTO SANITÁRIO

CIDADE:	ARARUAMA		BACIA:	SÍTIO BENFICA	
POP. INICIAL:	125	POP. SATURAÇÃO:	200	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):	0.000050		
RECOBRIMENTO MÍNIMO NAS RUAS (m):	0.900		RECOBRIMENTO MÍNIMO PASSEIOS (m):	0.650	
VAZÃO EM MARCHA INICIO (l/s.m):	0.00037		VAZÃO EM MARCHA FIM (l/s.m):	0.00071	
COMPRIMENTO VIRTUAL REDE (m):	826.00		COMPRIMENTO TOTAL REDE (m):	826.00	

Zonas de Densidade Vinculadas ao Projeto da Bacia

Codigo	Nome da Zona de Densidade	Vazão Ini.= 0,347 l/s	Vazão Fina = 0,628 l/sl
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SISTEMA SANCAD - PLANILHA DE DADOS INICIAIS

26/05/2021

ARARUAMA_RJ**SÍTIO BENFICA****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	Étapa
017-001	PV1721	PV11.7.2	11.00	-0-	-0-	-0-	010-002	5.420	5.230	1
016-001	PV3.1	PV003	10.00	-0-	-0-	-0-	001-003	16.970	15.640	1
015-001	PV11111	PV11112	11.00	-0-	-0-	-0-	015-002	5.610	5.490	1
015-002	PV11112	PV11.11	21.00	015-001	-0-	-0-	007-011	5.490	4.930	1
014-001	PV11.9.1	PV11.9	11.00	-0-	-0-	-0-	007-009	5.070	4.930	1
013-001	PV11.8.2	PV11.8	13.00	-0-	-0-	-0-	007-008	4.840	4.870	1
012-001	PV11.8.1	PV11.8	34.00	-0-	-0-	-0-	007-008	6.770	4.870	1
011-001	PV11741	PV11742	19.00	-0-	-0-	-0-	011-002	7.290	5.810	1
011-002	PV11742	PV11743	14.00	011-001	-0-	-0-	011-003	5.810	5.200	1
011-003	PV11743	PV11.7.4	10.00	011-002	-0-	-0-	010-004	5.200	4.780	1
010-001	PV11.7.1	PV11.7.2	21.00	-0-	-0-	-0-	010-002	7.570	5.230	1
010-002	PV11.7.2	PV11.7.3	26.00	010-001	017-001	-0-	010-003	5.230	5.100	1
010-003	PV11.7.3	PV11.7.4	9.00	010-002	-0-	-0-	010-004	5.100	4.780	1

Trecho	PV Mont.	PV Jus.	Comp	Contribuinte 1	Contribuinte 2	Contribuinte 3	Lança em	Cota Terr Mont	Cota Terr Jus	Etap
010-004	PV11.7.4	PV11.7	10.00	010-003	011-003	-0-	007-007	4.780	4.630	1
009-001	PV11.3.1	PV11.3	5.00	-0-	-0-	-0-	007-003	4.960	4.950	1
008-001	PV11.2.1	PV11.2	5.00	-0-	-0-	-0-	007-002	6.110	5.540	1
007-001	PV11.1	PV11.2	11.00	-0-	-0-	-0-	007-002	6.830	5.540	1
007-002	PV11.2	PV11.3	21.00	007-001	008-001	-0-	007-003	5.540	4.950	1
007-003	PV11.3	PV11.4	13.00	007-002	009-001	-0-	007-004	4.950	4.680	1
007-004	PV11.4	PV11.5	18.00	007-003	-0-	-0-	007-005	4.680	4.620	1
007-005	PV11.5	PV11.6	17.00	007-004	-0-	-0-	007-006	4.620	5.010	1
007-006	PV11.6	PV11.7	24.00	007-005	-0-	-0-	007-007	5.010	4.630	1
007-007	PV11.7	PV11.8	23.00	007-006	010-004	-0-	007-008	4.630	4.870	1
007-008	PV11.8	PV11.9	14.00	007-007	012-001	013-001	007-009	4.870	4.930	1
007-009	PV11.9	PV11.10	9.00	007-008	014-001	-0-	007-010	4.930	5.070	1
007-010	PV11.10	PV11.11	20.00	007-009	-0-	-0-	007-011	5.070	4.930	1
007-011	PV11.11	PV11.12	15.00	007-010	015-002	-0-	007-012	4.930	4.570	1
007-012	PV11.12	PV11.13	26.00	007-011	-0-	-0-	007-013	4.570	4.650	1
007-013	PV11.13	PV011	25.00	007-012	-0-	-0-	001-011	4.650	4.960	1

Trecho	PV Mont.	PV Jus.	Comp	Contribuinte 1	Contribuinte 2	Contribuinte 3	Lança em	Cota Terr Mont	Cota Terr Jus	Etap
006-001	PV7.1	PV007	20.00	-0-	-0-	-0-	001-007	5.380	5.630	1
005-001	PV6.1	PV6.2	10.00	-0-	-0-	-0-	005-002	6.540	6.200	1
005-002	PV6.2	PV006	22.00	005-001	-0-	-0-	001-006	6.200	5.760	1
004-001	PV5.1	PV005	13.00	-0-	-0-	-0-	001-005	14.360	12.050	1
003-001	PV4.3.1	PV4.3.2	13.00	-0-	-0-	-0-	003-002	17.600	15.320	1
003-002	PV4.3.2	PV4.3	23.00	003-001	-0-	-0-	002-003	15.320	15.690	1
002-001	PV4.1	PV4.2	11.00	-0-	-0-	-0-	002-002	17.160	17.460	1
002-002	PV4.2	PV4.3	15.00	002-001	-0-	-0-	002-003	17.460	15.690	1
002-003	PV4.3	PV004	8.00	002-002	003-002	-0-	001-004	15.690	14.490	1
001-001	PV001	PV002	25.00	-0-	-0-	-0-	001-002	21.750	18.570	1
001-002	PV002	PV003	23.00	001-001	-0-	-0-	001-003	18.570	15.640	1
001-003	PV003	PV004	13.00	001-002	016-001	-0-	001-004	15.640	14.490	1
001-004	PV004	PV005	23.00	001-003	002-003	-0-	001-005	14.490	12.050	1
001-005	PV005	PV006	32.00	001-004	004-001	-0-	001-006	12.050	5.760	1
001-006	PV006	PV007	20.00	001-005	005-002	-0-	001-007	5.760	5.630	1
001-007	PV007	PV008	16.00	001-006	006-001	-0-	001-008	5.630	5.490	1

Trecho	PV Mont.	PV Jus.	Comp	Contribuinte 1	Contribuinte 2	Contribuinte 3	Lança em	Cota Terr Mont	Cota Terr Jus	Etapa
001-008	PV008	PV009	19.00	001-007	-0-	-0-	001-009	5.490	5.300	1
001-009	PV009	PV010	25.00	001-008	-0-	-0-	001-010	5.300	5.130	1
001-010	PV010	PV011	23.00	001-009	-0-	-0-	001-011	5.130	4.960	1
001-011	PV011	FIM	6.00	001-010	007-013	-0-	FIM	4.960	4.950	1

SISTEMA SANCAD - PLANILHA DE DETALHAMENTO DAS VAZÕES

26/05/2021

ARARUAMA_RJ

SÍTIO BENFICA

PROJETO DE REDE COLETORA DE ESGOTO SANITÁRIO

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)
017-001	11.00	PV1721 PV11.7.2	0.00042 0.00076	0.0000 0.0000	0.0046 0.0084	0.0046 0.0084	150	0.01745	5.420 5.230	4.370 4.180	1.050 1.050	0.16 0.16	23.8485
016-001	10.00	PV3.1 PV003	0.00042 0.00076	0.0000 0.0000	0.0042 0.0076	0.0042 0.0076	150	0.13330	16.970 15.640	15.920 14.590	1.050 1.050	0.10 0.10	65.9141
015-001	11.00	PV11111 PV11112	0.00042 0.00076	0.0000 0.0000	0.0046 0.0084	0.0046 0.0084	150	0.01136	5.610 5.490	4.560 4.440	1.050 1.050	0.18 0.18	19.2421
015-002	21.00	PV11112 PV11.11	0.00042 0.00076	0.0046 0.0084	0.0088 0.0160	0.0134 0.0244	150	0.02662	5.490 4.930	4.440 3.880	1.050 1.050	0.15 0.15	29.4556
014-001	11.00	PV11.9.1 PV11.9	0.00042 0.00076	0.0000 0.0000	0.0046 0.0084	0.0046 0.0084	150	0.01236	5.070 4.930	4.020 3.880	1.050 1.050	0.18 0.18	20.0712
013-001	13.00	PV11.8.2 PV11.8	0.00042 0.00076	0.0000 0.0000	0.0055 0.0099	0.0055 0.0099	150	0.00462	4.840 4.870	3.790 3.730	1.050 1.150	0.23 0.23	12.2711
012-001	34.00	PV11.8.1 PV11.8	0.00042 0.00076	0.0000 0.0000	0.0143 0.0258	0.0143 0.0258	150	0.05585	6.770 4.870	5.720 3.820	1.050 1.050	0.12 0.12	42.6653
011-001	19.00	PV11741 PV11742	0.00042 0.00076	0.0000 0.0000	0.0080 0.0144	0.0080 0.0144	150	0.07768	7.290 5.810	6.240 4.760	1.050 1.050	0.11 0.11	50.3174
011-002	14.00	PV11742 PV11743	0.00042 0.00076	0.0080 0.0144	0.0059 0.0106	0.0139 0.0250	150	0.04371	5.810 5.200	4.760 4.150	1.050 1.050	0.13 0.13	37.7445
011-003	10.00	PV11743 PV11.7.4	0.00042 0.00076	0.0139 0.0250	0.0042 0.0076	0.0181 0.0326	150	0.04180	5.200 4.780	4.150 3.730	1.050 1.050	0.13 0.13	36.9106
010-001	21.00	PV11.7.1 PV11.7.2	0.00042 0.00076	0.0000 0.0000	0.0088 0.0160	0.0088 0.0160	150	0.11148	7.570 5.230	6.520 4.180	1.050 1.050	0.10 0.10	60.2784

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)
010-002	26.00	PV11.7.2 PV11.7.3	0.00042 0.00076	0.0134 0.0244	0.0109 0.0198	0.0243 0.0442	150	0.00512	5.230 5.100	4.180 4.050	1.050 1.050	0.22 0.22	12.9181
010-003	9.00	PV11.7.3 PV11.7.4	0.00042 0.00076	0.0243 0.0442	0.0038 0.0068	0.0281 0.0510	150	0.03522	5.100 4.780	4.050 3.730	1.050 1.050	0.14 0.14	33.8811
010-004	10.00	PV11.7.4 PV11.7	0.00042 0.00076	0.0462 0.0836	0.0042 0.0076	0.0504 0.0912	150	0.01480	4.780 4.630	3.730 3.580	1.050 1.050	0.17 0.17	21.9631
009-001	5.00	PV11.3.1 PV11.3	0.00042 0.00076	0.0000 0.0000	0.0021 0.0038	0.0021 0.0038	150	0.00460	4.960 4.950	3.910 3.880	1.050 1.070	0.23 0.23	12.2445
008-001	5.00	PV11.2.1 PV11.2	0.00042 0.00076	0.0000 0.0000	0.0021 0.0038	0.0021 0.0038	150	0.11320	6.110 5.540	5.060 4.490	1.050 1.050	0.10 0.10	60.7416
007-001	11.00	PV11.1 PV11.2	0.00042 0.00076	0.0000 0.0000	0.0046 0.0084	0.0046 0.0084	150	0.11700	6.830 5.540	5.780 4.490	1.050 1.050	0.10 0.10	61.7527
007-002	21.00	PV11.2 PV11.3	0.00042 0.00076	0.0067 0.0122	0.0088 0.0160	0.0155 0.0282	150	0.02910	5.540 4.950	4.490 3.880	1.050 1.070	0.14 0.14	30.7971
007-003	13.00	PV11.3 PV11.4	0.00042 0.00076	0.0176 0.0320	0.0055 0.0099	0.0231 0.0419	150	0.01954	4.950 4.680	3.880 3.630	1.070 1.050	0.16 0.16	25.2363
007-004	18.00	PV11.4 PV11.5	0.00042 0.00076	0.0231 0.0419	0.0076 0.0137	0.0307 0.0556	150	0.00461	4.680 4.620	3.630 3.550	1.050 1.080	0.23 0.23	12.2578
007-005	17.00	PV11.5 PV11.6	0.00042 0.00076	0.0307 0.0556	0.0071 0.0129	0.0378 0.0685	150	0.00460	4.620 5.010	3.550 3.470	1.080 1.540	0.23 0.23	12.2445
007-006	24.00	PV11.6 PV11.7	0.00042 0.00076	0.0378 0.0685	0.0101 0.0182	0.0479 0.0867	150	0.00460	5.010 4.630	3.470 3.360	1.540 1.280	0.23 0.23	12.2445
007-007	23.00	PV11.7 PV11.8	0.00042 0.00076	0.0983 0.1779	0.0097 0.0175	0.1080 0.1954	150	0.00461	4.630 4.870	3.360 3.250	1.280 1.620	0.23 0.23	12.2578
007-008	14.00	PV11.8 PV11.9	0.00042 0.00076	0.1278 0.2311	0.0059 0.0106	0.1337 0.2417	150	0.00460	4.870 4.930	3.250 3.190	1.620 1.740	0.23 0.23	12.2445
007-009	9.00	PV11.9 PV11.10	0.00042 0.00076	0.1383 0.2501	0.0038 0.0068	0.1421 0.2569	150	0.00460	4.930 5.070	3.190 3.150	1.740 1.920	0.23 0.23	12.2445

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)
007-010	20.00	PV11.10 PV11.11	0.00042 0.00076	0.1421 0.2569	0.0084 0.0152	0.1505 0.2721	150	0.00460	5.070 4.930	3.150 3.050	1.920 1.870	0.23 0.23	12.2445
007-011	15.00	PV11.11 PV11.12	0.00042 0.00076	0.1639 0.2965	0.0063 0.0114	0.1702 0.3079	150	0.00460	4.930 4.570	3.050 2.990	1.870 1.580	0.23 0.23	12.2445
007-012	26.00	PV11.12 PV11.13	0.00042 0.00076	0.1702 0.3079	0.0109 0.0198	0.1811 0.3277	150	0.00462	4.570 4.650	2.990 2.870	1.580 1.780	0.23 0.23	12.2711
007-013	25.00	PV11.13 PV011	0.00042 0.00076	0.1811 0.3277	0.0105 0.0190	0.1916 0.3467	150	0.00460	4.650 4.960	2.870 2.750	1.780 2.210	0.23 0.23	12.2445
006-001	20.00	PV7.1 PV007	0.00042 0.00076	0.0000 0.0000	0.0084 0.0152	0.0084 0.0152	150	0.00460	5.380 5.630	4.330 4.240	1.050 1.400	0.23 0.23	12.2445
005-001	10.00	PV6.1 PV6.2	0.00042 0.00076	0.0000 0.0000	0.0042 0.0076	0.0042 0.0076	150	0.03360	6.540 6.200	5.490 5.150	1.050 1.050	0.14 0.14	33.0927
005-002	22.00	PV6.2 PV006	0.00042 0.00076	0.0042 0.0076	0.0092 0.0167	0.0134 0.0243	150	0.02018	6.200 5.760	5.150 4.710	1.050 1.050	0.16 0.16	25.6462
004-001	13.00	PV5.1 PV005	0.00042 0.00076	0.0000 0.0000	0.0055 0.0099	0.0055 0.0099	150	0.17769	14.360 12.050	13.310 11.000	1.050 1.050	0.09 0.09	76.1018
003-001	13.00	PV4.3.1 PV4.3.2	0.00042 0.00076	0.0000 0.0000	0.0055 0.0099	0.0055 0.0099	150	0.17531	17.600 15.320	16.550 14.270	1.050 1.050	0.09 0.09	75.5904
003-002	23.00	PV4.3.2 PV4.3	0.00042 0.00076	0.0055 0.0099	0.0097 0.0175	0.0152 0.0274	150	0.00461	15.320 15.690	14.270 14.160	1.050 1.530	0.23 0.23	12.2578
002-001	11.00	PV4.1 PV4.2	0.00042 0.00076	0.0000 0.0000	0.0046 0.0084	0.0046 0.0084	150	0.00464	17.160 17.460	16.110 16.060	1.050 1.400	0.23 0.23	12.2977
002-002	15.00	PV4.2 PV4.3	0.00042 0.00076	0.0046 0.0084	0.0063 0.0114	0.0109 0.0198	150	0.09460	17.460 15.690	16.060 14.640	1.400 1.050	0.11 0.11	55.5276
002-003	8.00	PV4.3 PV004	0.00042 0.00076	0.0261 0.0472	0.0034 0.0061	0.0295 0.0533	150	0.08975	15.690 14.490	14.160 13.440	1.530 1.050	0.11 0.11	54.0854
001-001	25.00	PV001 PV002	0.00042 0.00076	0.0000 0.0000	0.0105 0.0190	0.0105 0.0190	150	0.12716	21.750 18.570	20.700 17.520	1.050 1.050	0.10 0.10	64.3781

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)
001-002	23.00	PV002 PV003	0.00042 0.00076	0.0105 0.0190	0.0097 0.0175	0.0202 0.0365	150	0.12752	18.570 15.640	17.520 14.590	1.050 1.050	0.10 0.10	64.4692
001-003	13.00	PV003 PV004	0.00042 0.00076	0.0244 0.0441	0.0055 0.0099	0.0299 0.0540	150	0.08800	15.640 14.490	14.590 13.440	1.050 1.050	0.11 0.11	53.5556
001-004	23.00	PV004 PV005	0.00042 0.00076	0.0594 0.1073	0.0097 0.0175	0.0691 0.1248	150	0.10622	14.490 12.050	13.440 11.000	1.050 1.050	0.11 0.11	58.8391
001-005	32.00	PV005 PV006	0.00042 0.00076	0.0746 0.1347	0.0134 0.0243	0.0880 0.1590	150	0.19672	12.050 5.760	11.000 4.710	1.050 1.050	0.09 0.09	80.0732
001-006	20.00	PV006 PV007	0.00042 0.00076	0.1014 0.1833	0.0084 0.0152	0.1098 0.1985	150	0.00610	5.760 5.630	4.710 4.580	1.050 1.050	0.21 0.21	14.1003
001-007	16.00	PV007 PV008	0.00042 0.00076	0.1182 0.2137	0.0067 0.0122	0.1249 0.2259	150	0.00463	5.630 5.490	4.240 4.160	1.400 1.330	0.23 0.23	12.2844
001-008	19.00	PV008 PV009	0.00042 0.00076	0.1249 0.2259	0.0080 0.0144	0.1329 0.2403	150	0.00460	5.490 5.300	4.160 4.070	1.330 1.220	0.23 0.23	12.2445
001-009	25.00	PV009 PV010	0.00042 0.00076	0.1329 0.2403	0.0105 0.0190	0.1434 0.2593	150	0.00460	5.300 5.130	4.070 3.960	1.220 1.170	0.23 0.23	12.2445
001-010	23.00	PV010 PV011	0.00042 0.00076	0.1434 0.2593	0.0097 0.0175	0.1531 0.2768	150	0.00461	5.130 4.960	3.960 3.850	1.170 1.100	0.23 0.23	12.2578
001-011	6.00	PV011 FIM	0.00042 0.00076	0.3447 0.6235	0.0025 0.0046	0.3472 0.6281	150	0.00467	4.960 4.950	2.750 2.720	2.210 2.220	0.23 0.23	12.3373

SISTEMA SANCAD - ÓRGÃO ACESSÓRIO POR TRECHO
ARARUAMA_RJ
SÍTIO BENFICA
PROJETO DE REDE COLETORA DE ESGOTO SANITÁRIO

26/05/2021

Trecho	PV Mont.	PV Jus.	Órgão Acessório
017-001	PV1721	PV11.7.2	PV
016-001	PV3.1	PV003	PV
015-001	PV11111	PV11112	PV
015-002	PV11112	PV11.11	PV
014-001	PV11.9.1	PV11.9	PV
013-001	PV11.8.2	PV11.8	PV
012-001	PV11.8.1	PV11.8	PV
011-001	PV11741	PV11742	PV
011-002	PV11742	PV11743	PV
011-003	PV11743	PV11.7.4	PV
010-001	PV11.7.1	PV11.7.2	PV
010-002	PV11.7.2	PV11.7.3	PV
010-003	PV11.7.3	PV11.7.4	PV
010-004	PV11.7.4	PV11.7	PV
009-001	PV11.3.1	PV11.3	PV
008-001	PV11.2.1	PV11.2	PV
007-001	PV11.1	PV11.2	PV
007-002	PV11.2	PV11.3	PV
007-003	PV11.3	PV11.4	PV
007-004	PV11.4	PV11.5	PV
007-005	PV11.5	PV11.6	PV

Trecho	PV Mont.	PV Jus.	Órgão Acessório
007-006	PV11.6	PV11.7	PV
007-007	PV11.7	PV11.8	PV
007-008	PV11.8	PV11.9	PV
007-009	PV11.9	PV11.10	PV
007-010	PV11.10	PV11.11	PV
007-011	PV11.11	PV11.12	PV
007-012	PV11.12	PV11.13	PV
007-013	PV11.13	PV011	PV
006-001	PV7.1	PV007	PV
005-001	PV6.1	PV6.2	PV
005-002	PV6.2	PV006	PV
004-001	PV5.1	PV005	PV
003-001	PV4.3.1	PV4.3.2	PV
003-002	PV4.3.2	PV4.3	PV
002-001	PV4.1	PV4.2	PV
002-002	PV4.2	PV4.3	PV
002-003	PV4.3	PV004	PV
001-001	PV001	PV002	PV
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

Trecho	PV Mont.	PV Jus.	Órgão Acessório
001-008	PV008	PV009	PV
001-009	PV009	PV010	PV
001-010	PV010	PV011	PV
001-011	PV011	FIM	PV

ARARUAMA_RJ**SÍTIO BENFICA****PROJETO DE REDE COLETORA DE ESGOTO****SANITÁRIO**

Trecho	PV Mont.	PV Jus.	Tipo de Pavimentação
017-001	PV1721	PV11.7.2	TERRENO NATURAL
016-001	PV3.1	PV003	TERRENO NATURAL
015-001	PV11111	PV11112	TERRENO NATURAL
015-002	PV11112	PV11.11	TERRENO NATURAL
014-001	PV11.9.1	PV11.9	TERRENO NATURAL
013-001	PV11.8.2	PV11.8	TERRENO NATURAL
012-001	PV11.8.1	PV11.8	TERRENO NATURAL
011-001	PV11741	PV11742	TERRENO NATURAL
011-002	PV11742	PV11743	TERRENO NATURAL
011-003	PV11743	PV11.7.4	TERRENO NATURAL
010-001	PV11.7.1	PV11.7.2	TERRENO NATURAL
010-002	PV11.7.2	PV11.7.3	TERRENO NATURAL
010-003	PV11.7.3	PV11.7.4	TERRENO NATURAL
010-004	PV11.7.4	PV11.7	TERRENO NATURAL
009-001	PV11.3.1	PV11.3	TERRENO NATURAL
008-001	PV11.2.1	PV11.2	TERRENO NATURAL
007-001	PV11.1	PV11.2	TERRENO NATURAL
007-002	PV11.2	PV11.3	TERRENO NATURAL
007-003	PV11.3	PV11.4	TERRENO NATURAL
007-004	PV11.4	PV11.5	TERRENO NATURAL
007-005	PV11.5	PV11.6	TERRENO NATURAL

Trecho	PV Mont.	PV Jus.	Tipo de Pavimentação
007-006	PV11.6	PV11.7	TERRENO NATURAL
007-007	PV11.7	PV11.8	TERRENO NATURAL
007-008	PV11.8	PV11.9	TERRENO NATURAL
007-009	PV11.9	PV11.10	TERRENO NATURAL
007-010	PV11.10	PV11.11	TERRENO NATURAL
007-011	PV11.11	PV11.12	TERRENO NATURAL
007-012	PV11.12	PV11.13	TERRENO NATURAL
007-013	PV11.13	PV011	TERRENO NATURAL
006-001	PV7.1	PV007	TERRENO NATURAL
005-001	PV6.1	PV6.2	TERRENO NATURAL
005-002	PV6.2	PV006	TERRENO NATURAL
004-001	PV5.1	PV005	TERRENO NATURAL
003-001	PV4.3.1	PV4.3.2	TERRENO NATURAL
003-002	PV4.3.2	PV4.3	TERRENO NATURAL
002-001	PV4.1	PV4.2	TERRENO NATURAL
002-002	PV4.2	PV4.3	TERRENO NATURAL
002-003	PV4.3	PV004	TERRENO NATURAL
001-001	PV001	PV002	TERRENO NATURAL
001-002	PV002	PV003	TERRENO NATURAL
001-003	PV003	PV004	TERRENO NATURAL
001-004	PV004	PV005	TERRENO NATURAL
001-005	PV005	PV006	TERRENO NATURAL
001-006	PV006	PV007	TERRENO NATURAL
001-007	PV007	PV008	TERRENO NATURAL

Trecho	PV Mont.	PV Jus.	Tipo de Pavimentação
001-008	PV008	PV009	TERRENO NATURAL
001-009	PV009	PV010	TERRENO NATURAL
001-010	PV010	PV011	TERRENO NATURAL
001-011	PV011	FIM	TERRENO NATURAL

SISTEMA SANCAD - PLANILHA DE VAZÕES CONTRIBUINTES POR TRECHO

26/05/2021

ARARUAMA_RJ

SÍTIO BENFICA

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)
017-001	PV1721	PV11.7.2	11.00	0.0000	0.0000	0.0041	0.0078	0.0006	0.0006	0.0047	0.0084
016-001	PV3.1	PV003	10.00	0.0000	0.0000	0.0037	0.0071	0.0005	0.0005	0.0042	0.0076
015-001	PV11111	PV11112	11.00	0.0000	0.0000	0.0041	0.0078	0.0006	0.0006	0.0047	0.0084
015-002	PV11112	PV11.11	21.00	0.0000	0.0000	0.0078	0.0149	0.0011	0.0011	0.0089	0.0160
014-001	PV11.9.1	PV11.9	11.00	0.0000	0.0000	0.0041	0.0078	0.0006	0.0006	0.0047	0.0084
013-001	PV11.8.2	PV11.8	13.00	0.0000	0.0000	0.0048	0.0092	0.0007	0.0007	0.0055	0.0099
012-001	PV11.8.1	PV11.8	34.00	0.0000	0.0000	0.0126	0.0241	0.0017	0.0017	0.0143	0.0258
011-001	PV11741	PV11742	19.00	0.0000	0.0000	0.0070	0.0135	0.0010	0.0010	0.0080	0.0145
011-002	PV11742	PV11743	14.00	0.0000	0.0000	0.0052	0.0099	0.0007	0.0007	0.0059	0.0106
011-003	PV11743	PV11.7.4	10.00	0.0000	0.0000	0.0037	0.0071	0.0005	0.0005	0.0042	0.0076
010-001	PV11.7.1	PV11.7.2	21.00	0.0000	0.0000	0.0078	0.0149	0.0011	0.0011	0.0089	0.0160
010-002	PV11.7.2	PV11.7.3	26.00	0.0000	0.0000	0.0096	0.0185	0.0013	0.0013	0.0109	0.0198
010-003	PV11.7.3	PV11.7.4	9.00	0.0000	0.0000	0.0033	0.0064	0.0005	0.0005	0.0038	0.0069
010-004	PV11.7.4	PV11.7	10.00	0.0000	0.0000	0.0037	0.0071	0.0005	0.0005	0.0042	0.0076
009-001	PV11.3.1	PV11.3	5.00	0.0000	0.0000	0.0018	0.0036	0.0003	0.0003	0.0021	0.0039
008-001	PV11.2.1	PV11.2	5.00	0.0000	0.0000	0.0018	0.0036	0.0003	0.0003	0.0021	0.0039
007-001	PV11.1	PV11.2	11.00	0.0000	0.0000	0.0041	0.0078	0.0006	0.0006	0.0047	0.0084
007-002	PV11.2	PV11.3	21.00	0.0000	0.0000	0.0078	0.0149	0.0011	0.0011	0.0089	0.0160
007-003	PV11.3	PV11.4	13.00	0.0000	0.0000	0.0048	0.0092	0.0007	0.0007	0.0055	0.0099
007-004	PV11.4	PV11.5	18.00	0.0000	0.0000	0.0067	0.0128	0.0009	0.0009	0.0076	0.0137

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)
007-005	PV11.5	PV11.6	17.00	0.0000	0.0000	0.0063	0.0121	0.0009	0.0009	0.0072	0.0130
007-006	PV11.6	PV11.7	24.00	0.0000	0.0000	0.0089	0.0170	0.0012	0.0012	0.0101	0.0182
007-007	PV11.7	PV11.8	23.00	0.0000	0.0000	0.0085	0.0163	0.0012	0.0012	0.0097	0.0175
007-008	PV11.8	PV11.9	14.00	0.0000	0.0000	0.0052	0.0099	0.0007	0.0007	0.0059	0.0106
007-009	PV11.9	PV11.10	9.00	0.0000	0.0000	0.0033	0.0064	0.0005	0.0005	0.0038	0.0069
007-010	PV11.10	PV11.11	20.00	0.0000	0.0000	0.0074	0.0142	0.0010	0.0010	0.0084	0.0152
007-011	PV11.11	PV11.12	15.00	0.0000	0.0000	0.0055	0.0107	0.0008	0.0008	0.0063	0.0115
007-012	PV11.12	PV11.13	26.00	0.0000	0.0000	0.0096	0.0185	0.0013	0.0013	0.0109	0.0198
007-013	PV11.13	PV011	25.00	0.0000	0.0000	0.0092	0.0178	0.0013	0.0013	0.0105	0.0191
006-001	PV7.1	PV007	20.00	0.0000	0.0000	0.0074	0.0142	0.0010	0.0010	0.0084	0.0152
005-001	PV6.1	PV6.2	10.00	0.0000	0.0000	0.0037	0.0071	0.0005	0.0005	0.0042	0.0076
005-002	PV6.2	PV006	22.00	0.0000	0.0000	0.0081	0.0156	0.0011	0.0011	0.0092	0.0167
004-001	PV5.1	PV005	13.00	0.0000	0.0000	0.0048	0.0092	0.0007	0.0007	0.0055	0.0099
003-001	PV4.3.1	PV4.3.2	13.00	0.0000	0.0000	0.0048	0.0092	0.0007	0.0007	0.0055	0.0099
003-002	PV4.3.2	PV4.3	23.00	0.0000	0.0000	0.0085	0.0163	0.0012	0.0012	0.0097	0.0175
002-001	PV4.1	PV4.2	11.00	0.0000	0.0000	0.0041	0.0078	0.0006	0.0006	0.0047	0.0084
002-002	PV4.2	PV4.3	15.00	0.0000	0.0000	0.0055	0.0107	0.0008	0.0008	0.0063	0.0115
002-003	PV4.3	PV004	8.00	0.0000	0.0000	0.0030	0.0057	0.0004	0.0004	0.0034	0.0061
001-001	PV001	PV002	25.00	0.0000	0.0000	0.0092	0.0178	0.0013	0.0013	0.0105	0.0191
001-002	PV002	PV003	23.00	0.0000	0.0000	0.0085	0.0163	0.0012	0.0012	0.0097	0.0175
001-003	PV003	PV004	13.00	0.0000	0.0000	0.0048	0.0092	0.0007	0.0007	0.0055	0.0099
001-004	PV004	PV005	23.00	0.0000	0.0000	0.0085	0.0163	0.0012	0.0012	0.0097	0.0175
001-005	PV005	PV006	32.00	0.0000	0.0000	0.0118	0.0227	0.0016	0.0016	0.0134	0.0243
001-006	PV006	PV007	20.00	0.0000	0.0000	0.0074	0.0142	0.0010	0.0010	0.0084	0.0152

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)
001-007	PV007	PV008	16.00	0.0000	0.0000	0.0059	0.0114	0.0008	0.0008	0.0067	0.0122
001-008	PV008	PV009	19.00	0.0000	0.0000	0.0070	0.0135	0.0010	0.0010	0.0080	0.0145
001-009	PV009	PV010	25.00	0.0000	0.0000	0.0092	0.0178	0.0013	0.0013	0.0105	0.0191
001-010	PV010	PV011	23.00	0.0000	0.0000	0.0085	0.0163	0.0012	0.0012	0.0097	0.0175
001-011	PV011	FIM	6.00	0.0000	0.0000	0.0022	0.0043	0.0003	0.0003	0.0025	0.0046