

Sistema Adutor CAPIVARA

GOVERNO DO ESTADO DA PARAÍBA
Secretaria de Estado da Ciência e Tecnologia
e do Meio Ambiente - SECTMA

**ELABORAÇÃO DOS ESTUDOS TÉCNICOS
PRELIMINARES DE VIABILIDADE E DO
PROJETO BÁSICO DO SISTEMA ADUTOR
CAPIVARA.**

RELATÓRIO FINAL DO PROJETO BÁSICO

**Volume 3
Detalhamento dos Nós
(Ponto a Ponto)**



Maia Melo Engenharia Ltda.

Dezembro / 2006

GOVERNO DO ESTADO DA PARAÍBA

**Secretaria de Estado da Ciência e Tecnologia e do Meio Ambiente
SECTMA/PB**

ESTUDOS TÉCNICOS PRELIMINARES, DE VIABILIDADE E DO PROJETO BÁSICO DO SISTEMA ADUTOR CAPIVARA

RELATÓRIO FINAL DO PROJETO BÁSICO

**Volume 3
Detalhamento dos Nós
(Ponto a Ponto)**



MAIA MELO ENGENHARIA LTDA.

**JOÃO PESSOA/PB
DEZEMBRO/2006**

APRESENTAÇÃO

O presente relatório tem a finalidade de apresentar à Secretaria de Estado da Ciência e Tecnologia e do Meio Ambiente SECTMA/PB, o **Relatório Final do Projeto Básico**, parte integrante dos Estudos Técnicos Preliminares, de Viabilidade e do Projeto Básico do Sistema Adutor Capivara, objeto do contrato celebrado entre a SECTMA/PB e a Maia Melo Engenharia Ltda., no âmbito do Programa PROÁGUA.

Os serviços de consultoria objeto do referido contrato serão consubstanciados, para o Projeto Básico, nos seguintes relatórios:

- Primeiro Relatório de Andamento do Projeto Básico;
- Segundo Relatório de Andamento do Projeto Básico;
- Relatório Final do Projeto Básico.

O presente Relatório Final do Projeto Básico está dividido em 5 (cinco) volumes:

- **Volume 1** – Tomo I – Memorial Descritivo da Obra e Estimativa de Custos;
Tomo II – Memória de Cálculo;
- **Volume 2** – Tomo I ao Tomo VII – Desenhos de Projeto;
- **Volume 3** – Detalhamento dos Nós (Ponto a Ponto);
- **Volume 4** – Especificações Técnicas das Obras Civas, Fornecimento e Montagem de Materiais e Equipamentos Hidroeletromecânicos, Normas de Medição e Pagamento, Folhas de Dados e Planilhas de Quantidades de Materiais, Equipamentos e Serviços;
- **Volume 5** – Relatório Síntese.

O **Volume 3** além desta apresentação, é composto por 11 (onze) Capítulos denominados:

- 1. Tomada d'água a Derivação para Uiraúna;
- 2. Derivação para Uiraúna a EB-2;
- 3. EB-2 a Stand-Pipe 2;
- 4. Stand-Pipe 2 a Estaca 813 + 0,00;
- 5. Estaca 813 + 0,00 a Reservatório de Santa Cruz;
- 6. Derivação para Uiraúna;
- 7. Derivação para Vieirópolis;
- 8. Derivação para Lastro;
- 9. Derivação para São Pedro;
- 10. Derivação para São Francisco;
- 11. EB-1/1 a Poço de José de Moura.

SUMÁRIO

APRESENTAÇÃO	I
1. TOMADA D'ÁGUA A DERIVAÇÃO PARA UIRAÚNA	2
2. DERIVAÇÃO PARA UIRAÚNA A EB-2	20
3. EB-2 A STAND-PIPE 2	39
4. STAND-PIPE 2 A ESTACA 813 + 0,00	63
5. ESTACA 813 + 0,00 A RESERVATÓRIO DE SANTA CRUZ	77
6. DERIVAÇÃO PARA UIRAÚNA	189
7. DERIVAÇÃO PARA VIEIRÓPOLIS	193
8. DERIVAÇÃO PARA LASTRO	195
9. DERIVAÇÃO PARA SÃO PEDRO	206
10. DERIVAÇÃO PARA SÃO FRANCISCO	212
11. EB-1/1 A POÇO DE JOSÉ DE MOURA	234

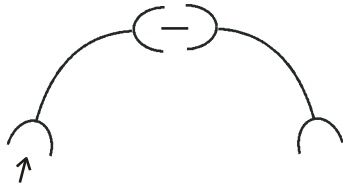
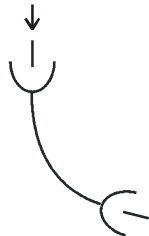
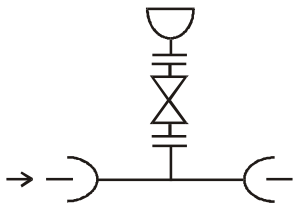
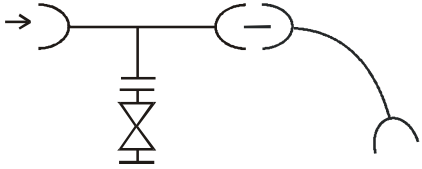


1. Tomada d'Água a Derivação para Uiraúna

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

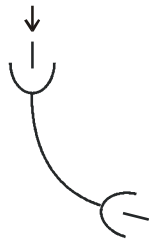
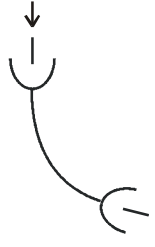
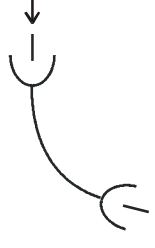
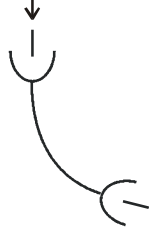
Trecho: Tomada d' Água a Derivação p/ Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
1	0+12,56 PN 10	C45JGS DN 300 C22JGS DN 300	1 1	
2	3+2,64 PN 10	C90JGS DN 300	1	
3	13+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
4	16+10,44=10 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 C90JGS DN 300 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Tomada d' Água a Derivação p/ Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
5	15+17,45 PN 10	C11JGS DN 300	1	
6	19+5,09 PN 10	C22JGS DN 300	1	
7	41+6,15 PN 10	C22JGS DN 300	1	
8	42+10,06 PN 10	C22JGS DN 300	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

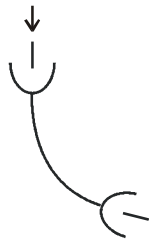
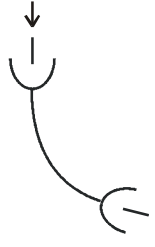
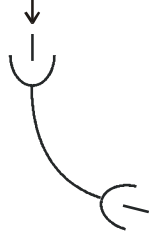
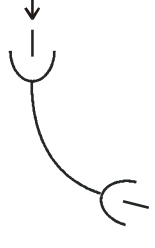
Trecho: Tomada d' Água a Derivação p/ Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
9	43+10,33 PN 10	C22JGS DN 300	1	
10	44+9,62 PN 10	C11JGS DN 300	1	
11	45+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
12	48+6,59 PN 10	C11JGS DN 300	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

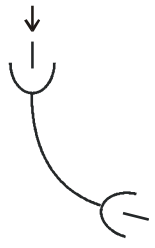
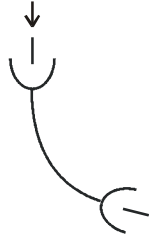
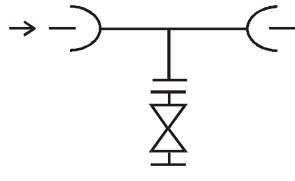
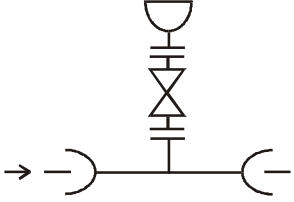
Trecho: Tomada d' Água a Derivação p/ Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
13	49+2,84 PN 10	C11JGS DN 300	1	
14	50+1,03 PN 10	C22JGS DN 300	1	
15	50+19,26 PN 10	C11JGS DN 300	1	
16	51+19,44 PN 10	C11JGS DN 300	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

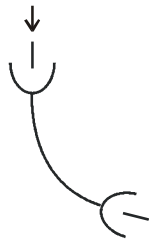
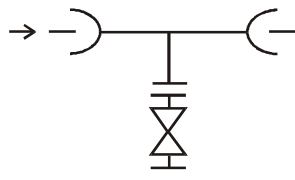
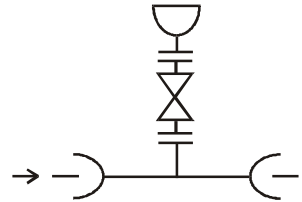
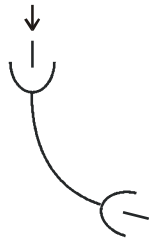
Trecho: Tomada d' Água a Derivação p/ Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
17	55+13,08 PN 10	C11JGS DN 300	1	
18	57+8,00=0 PN 10	C22JGS DN 300	1	
19	12+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
20	28+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

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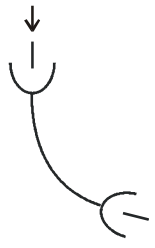
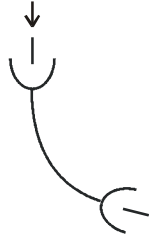
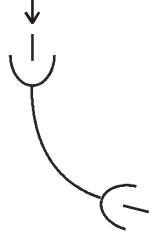
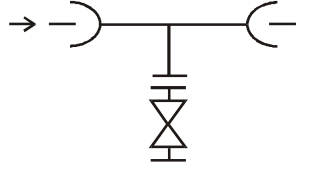
Trecho: Tomada d' Água a Derivação p/ Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
21	28+15,48 PN 10	C11JGS DN 300	1	
22	35+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
23	50+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
24	52+13,71 PN 10	C11JGS DN 300	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Tomada d' Água a Derivação p/ Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
25	53+14,80 PN 10	C11JGS DN 300	1	
26	60+2,99 PN 10	C11JGS DN 300	1	
27	62+10,22 PN 10	C11JGS DN 300	1	
28	63+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

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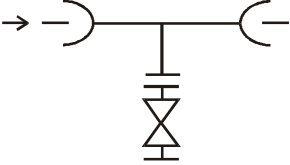
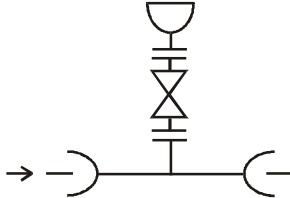
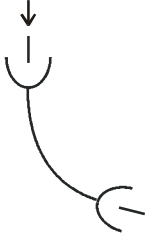
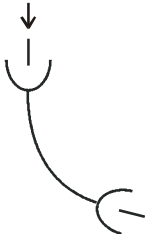
Trecho: Tomada d' Água a Derivação p/ Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
29	63+11,01 PN 10	C11JGS DN 300	1	
30	75+16,81 PN 10	C11JGS DN 300	1	
31	79+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
32	82+5,80 PN 10	C11JGS DN 300	1	

Detalhamento dos Nós

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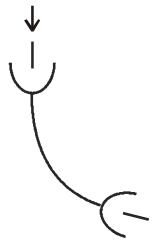
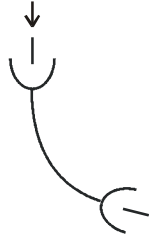
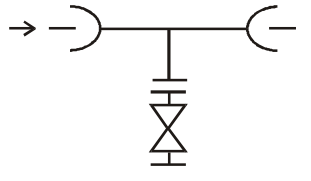
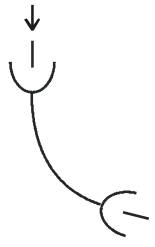
Trecho: Tomada d' Água a Derivação p/ Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
33	87+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
34	105+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
35	107+14,58 PN 10	C11JGS DN 300	1	
36	108+17,26 PN 10	C11JGS DN 300	1	

Detalhamento dos Nós

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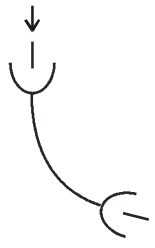
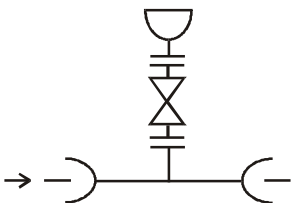
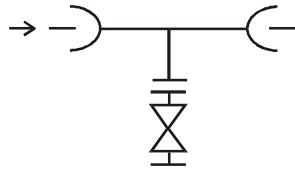
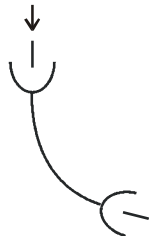
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Ponto	Estaca	Discriminação	Quant.	Desenho
37	109+16,61 PN 10	C11JGS DN 300	1	
38	110+10,81 PN 10	C11JGS DN 300	1	
39	115+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
40	121+14,46 PN 10	C11JGS DN 300	1	

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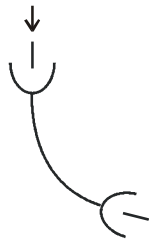
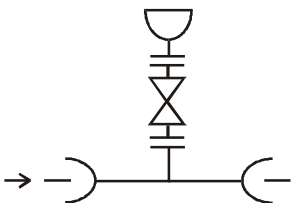
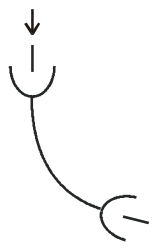
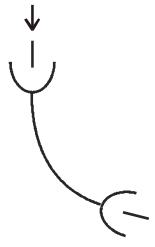
Trecho: Tomada d' Água a Derivação p/ Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
41	122+14,29 PN 10	C11JGS DN 300	1	
42	124+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
43	142+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
44	143+3,51 PN 10	C11JGS DN 300	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

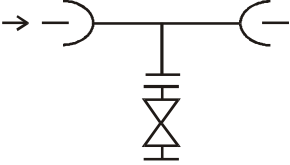
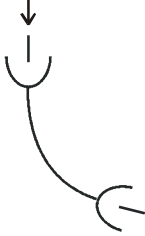
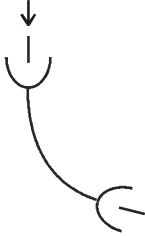
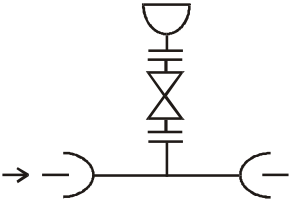
Trecho: Tomada d' Água a Derivação p/ Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
45	145+14,62 PN 10	C11JGS DN 300	1	
46	147+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
47	150+19,40 PN 10	C11JGS DN 300	1	
48	163+14,20 PN 10	C11JGS DN 300	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

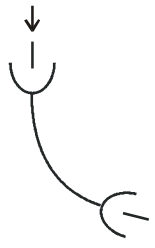
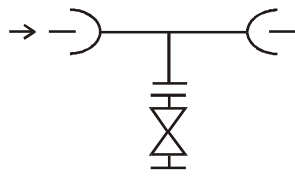
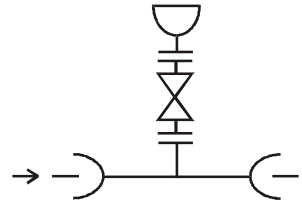
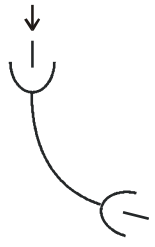
Trecho: Tomada d' Água a Derivação p/ Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
49	164+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
50	171+1,14 PN 10	C11JGS DN 300	1	
51	177+10,57 PN 10	C11JGS DN 300	1	
52	179+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

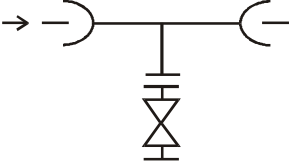
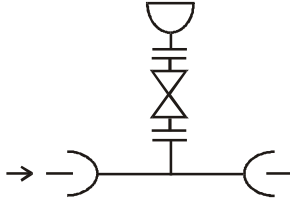
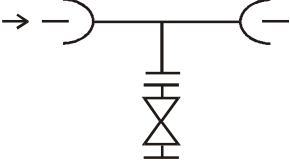
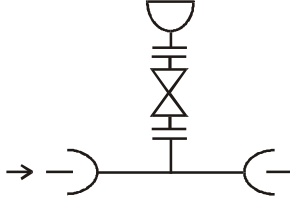
Trecho: Tomada d' Água a Derivação p/ Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
53	191+18,36 PN 10	C11JGS DN 300	1	
54	196+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
55	214+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
56	229+6,53 PN 10	C11JGS DN 300	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

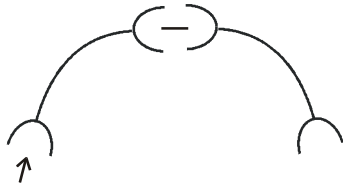
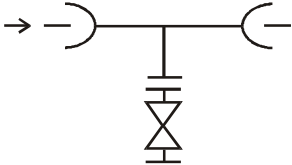
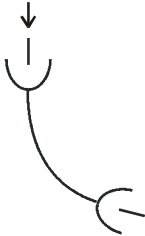
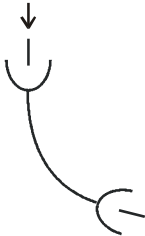
Trecho: Tomada d' Água a Derivação p/ Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
57	230+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
58	233+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
59	239+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
60	246+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

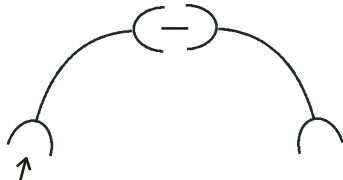
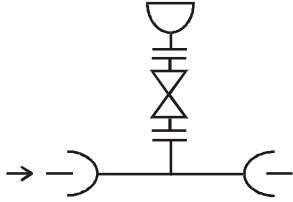
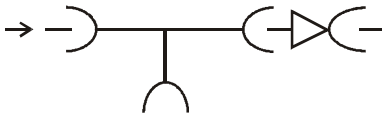
Trecho: Tomada d' Água a Derivação p/ Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
61	252+7,51 PN 10	C22JGS DN 300 C45JGS DN 300	1 1	
62	254+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
63	255+3,06 PN 10	C11JGS DN 300	1	
64	257+3,28 PN 10	C11JGS DN 300	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Tomada d' Água a Derivação p/ Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
65	263+12,94 PN 10	C90JGS DN 300 C11JGS DN 300	1 1	
66	289+0,00 PN 10	TJGSF10/16 DN 300 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
67	295+6,00=0	RPBJGS DN 300x250 TJGS DN 300x200	1 1	



2. Derivação para Uiraúna a EB-2

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

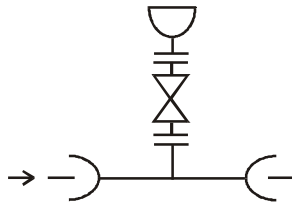
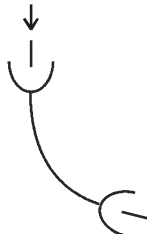
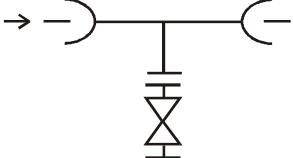
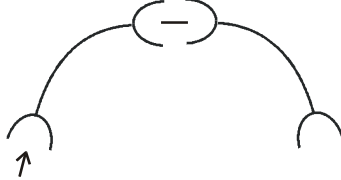
Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
68	3+7,22 PN 10	C11JGS DN 250	1	
69	4+5,69 PN 10	C22JGS DN 250	1	
70	6+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
71	10+14,60 PN 10	C11JGS DN 250 C45JGS DN 250	1 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

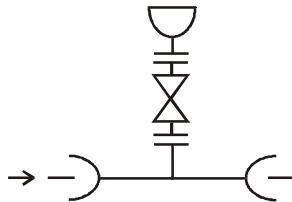
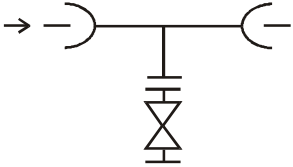
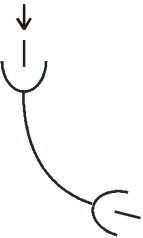
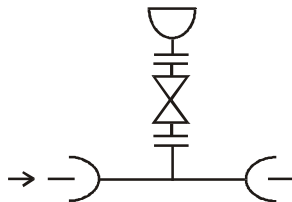
Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
72	11+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
73	20+18,00 PN 10	C22JGS DN 250	1	
74	35+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
75	36+1,04 PN 10	C22JGS DN 250 C90JGS DN 250	1 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
76	48+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
77	53+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
78	55+3,51 PN 10	C90JGS DN 250	1	
79	58+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

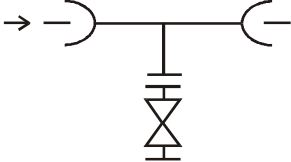
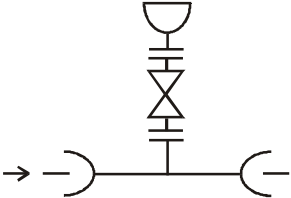
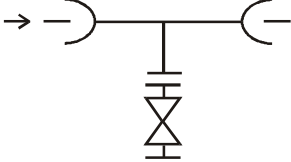
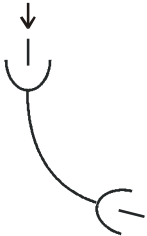
Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
80	63+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
81	64+0,11 PN 10	C90JGS DN 250	1	
82	68+16,02 PN 10	C90JGS DN 250	1	
83	78+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

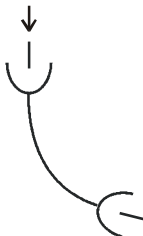
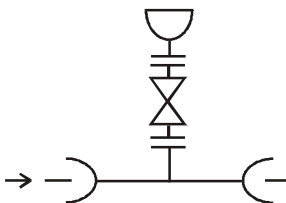
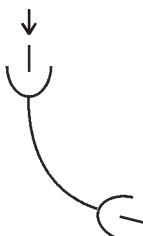
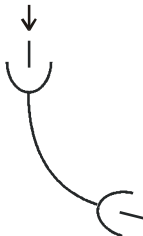
Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
84	88+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
85	103+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
86	108+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
87	108+3,74 PN 10	C11JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

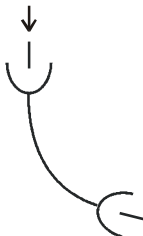
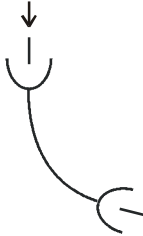
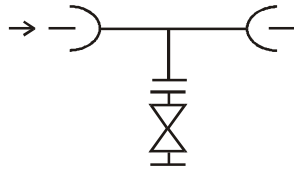
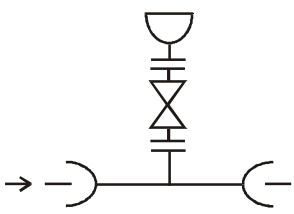
Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
88	113+10,14 PN 10	C11JGS DN 250	1	
89	137+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
90	138+13,34 PN 10	C11JGS DN 250	1	
91	140+10,05 PN 10	C11JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
92	141+3,17 PN 10	C11JGS DN 250	1	
93	147+5,20 PN 10	C11JGS DN 250	1	
94	156+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
95	172+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

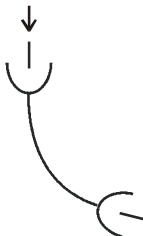
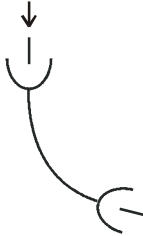
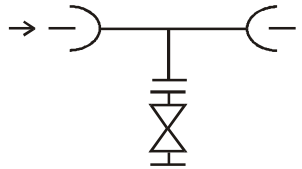
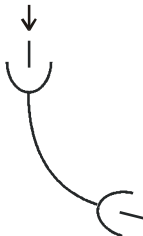
Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
96	174+7,58 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
97	179+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
98	189+9,44 PN 10	C11JGS DN 250	1	
99	191+9,63 PN 10	C22JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

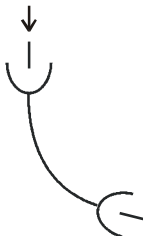
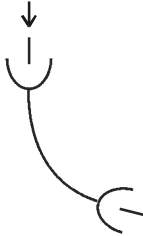
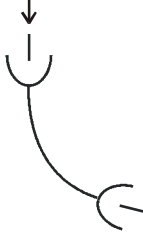
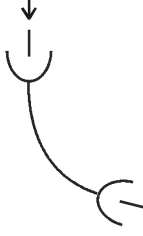
Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
100	194+1,34 PN 10	C11JGS DN 250	1	
101	198+9,08 PN 10	C22JGS DN 250	1	
102	200+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
103	204+13,06 PN 10	C22JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

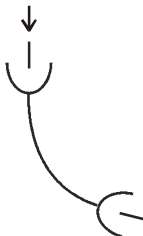
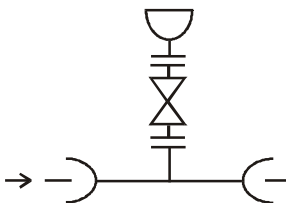
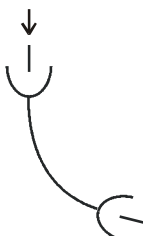
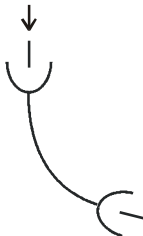
Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
104	209+4,69 PN 10	C11JGS DN 250	1	
105	211+5,46 PN 10	C11JGS DN 250	1	
106	212+1,95 PN 10	C11JGS DN 250	1	
107	219+5,46 PN 10	C11JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

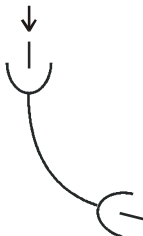
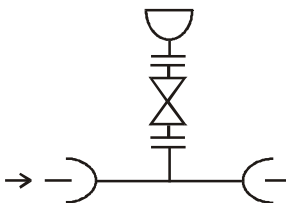
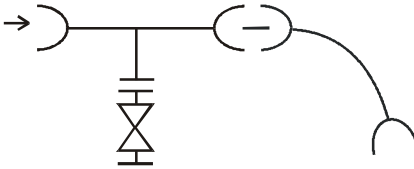
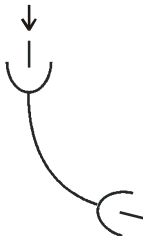
Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
108	220+16,10 PN 10	C11JGS DN 250	1	
109	229+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
110	233+3,21 PN 10	C22JGS DN 250	1	
111	238+6,27 PN 10	C11JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

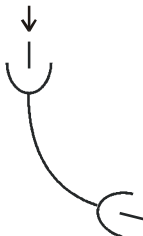
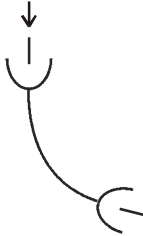
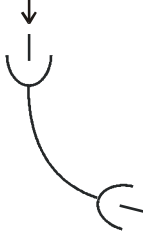
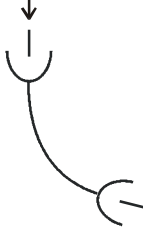
Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
112	253+4,11 PN 10	C22JGS DN 250	1	
113	258+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
114	264+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 C11JGS DN 250 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 8 1	
115	265+18,47 PN 10	C11JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
116	267+1,45 PN 10	C11JGS DN 250	1	
117	268+7,07 PN 10	C11JGS DN 250	1	
118	276+4,17 PN 10	C11JGS DN 250	1	
119	281+8,25 PN 10	C22JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

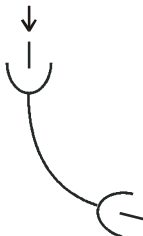
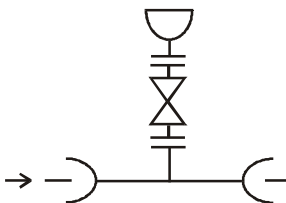
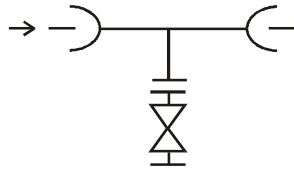
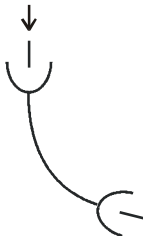
Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
120	285+4,56 PN 10	C11JGS DN 250	1	
121	295+9,61 PN 10	C11JGS DN 250	1	
122	299+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
123	302+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
124	302+7,93 PN 10	C11JGS DN 250	1	
125	306+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
126	313+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
127	319+10,93 PN 10	C11JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
128	326+0,92 PN 10	C22JGS DN 250	1	
129	327+0,10 PN 10	C11JGS DN 250	1	
130	328+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
131	338+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

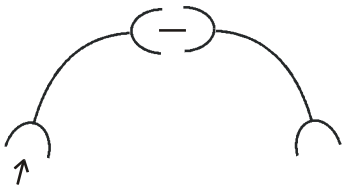
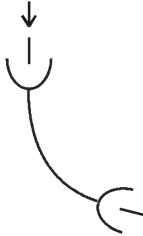

Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
132	340+5,64 PN 10	C22JGS DN 250	1	
133	351+0,94 PN 10	C11JGS DN 250	1	
134	356+1,61 PN 10	C11JGS DN 250	1	
135	362+0,66 PN 10	C22JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Derivação p/ Uiraúna a EB2

Ponto	Estaca	Discriminação	Quant.	Desenho
136	366+5,22 PN 10	C11JGS DN 250 C22JGS DN 250	1 1	
137	367+8,48 PN 10	C11JGS DN 250	1	
138	370+0,00 PN 10	RPBJGS DN 250x200	1	

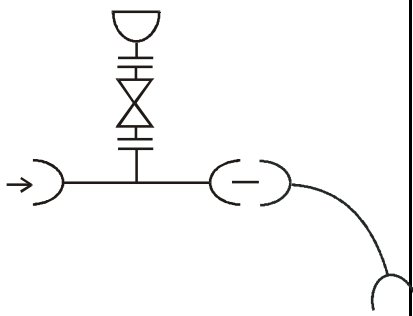
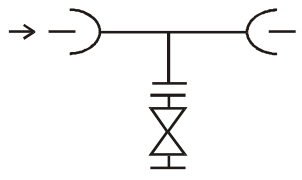
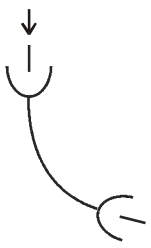
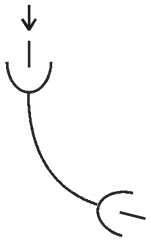


3. EB-2 a Stand-Pipe 2

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

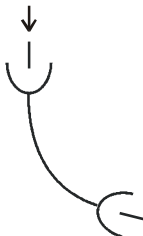
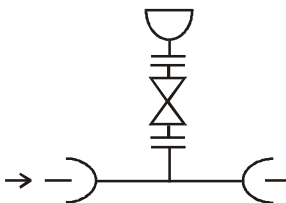
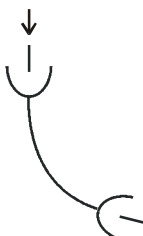
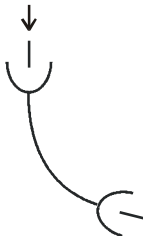
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
139	373+16,72 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 C22JGS DN 200 ABF/AAF DN 100	1 1 1 16 1 2	
140	374+11,50 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
141	376+15,71 PN 16	C22JGS DN 200	1	
142	378+17,25 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

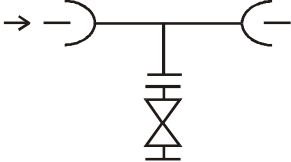
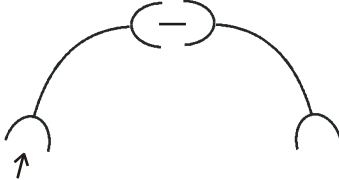
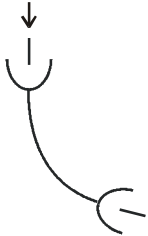
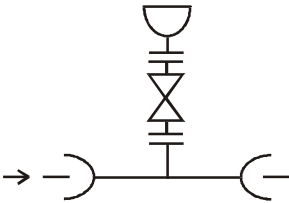
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
143	382+0,42 PN 16	C11JGS DN 200	1	
144	384+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
145	385+13,75 PN 16	C11JGS DN 200	1	
146	387+10,79 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

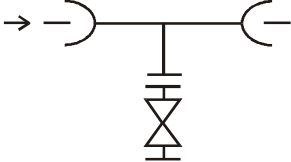
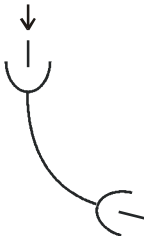
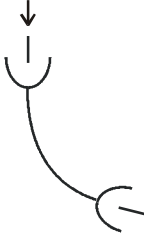
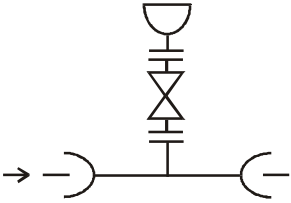
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
147	388+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
148	391+3,49 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
149	391+13,69 PN 16	C11JGS DN 200	1	
150	392+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

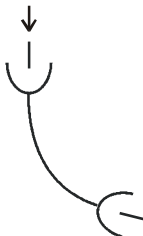
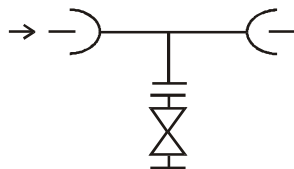
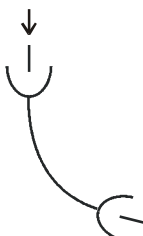
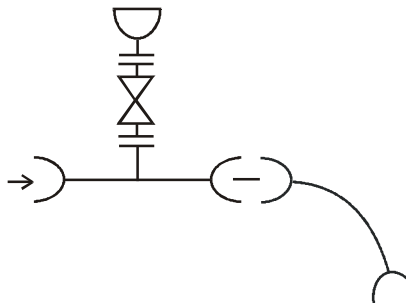
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
151	398+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
152	401+11,76 PN 16	C11JGS DN 200	1	
153	406+14,30 PN 16	C22JGS DN 200	1	
154	414+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

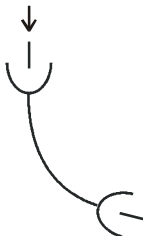
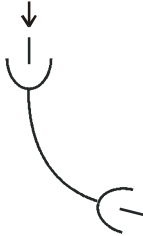
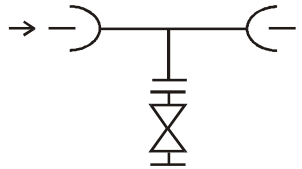
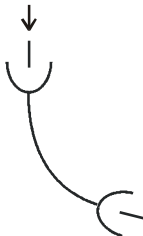
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
155	417+1,65 PN 10	C11JGS DN 200	1	
156	421+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
157	421+16,40 PN 10	C11JGS DN 200	1	
158	423+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 C11JGS DN 200 ABF/AAF DN 100	1 1 1 16 1 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

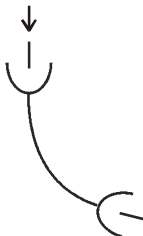
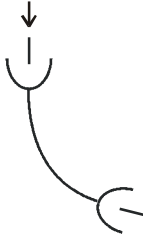
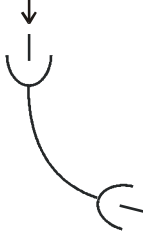
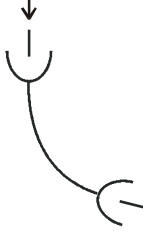
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
159	423+17,78 PN 10	C11JGS DN 200	1	
160	424+17,03 PN 10	C11JGS DN 200	1	
161	426+5,50 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
162	426+10,58 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

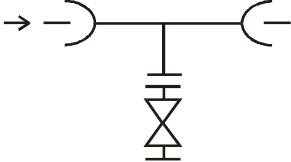
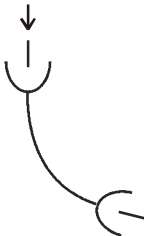
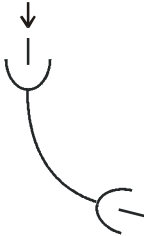
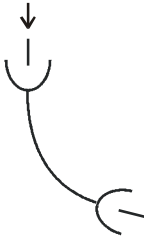
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
163	428+2,47 PN 10	C22JGS DN 200	1	
164	431+12,31 PN 10	C11JGS DN 200	1	
165	436+8,62 PN 10	C11JGS DN 200	1	
166	441+16,89 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

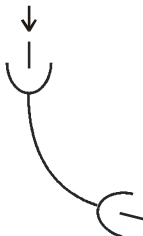
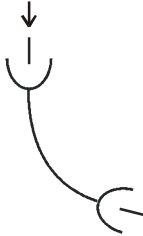
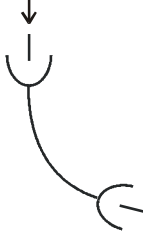
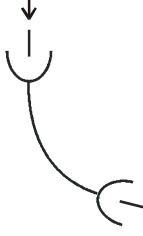
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
167	443+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
168	443+16,73 PN 10	C11JGS DN 200	1	
169	445+19,07 PN 10	C11JGS DN 200	1	
170	448+5,63 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

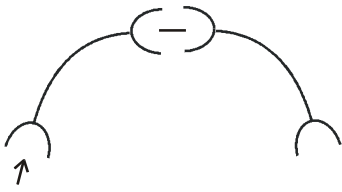
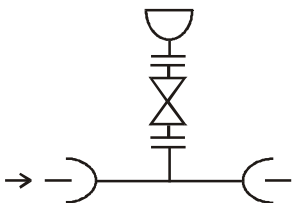
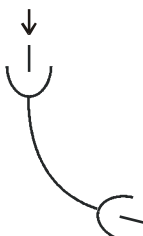
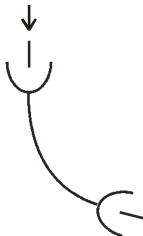
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
171	449+11,71 PN 10	C11JGS DN 200	1	
172	450+5,99 PN 10	C22JGS DN 200	1	
173	453+9,20 PN 10	C22JGS DN 200	1	
174	455+9,69 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

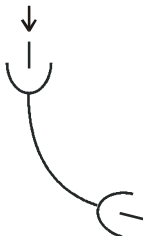
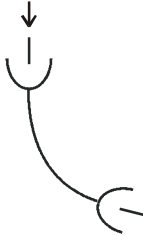
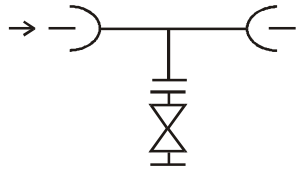
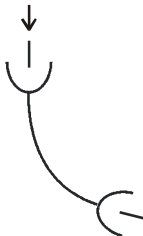
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
175	456+8,18 PN 10	C11JGS DN 200 C22JGS DN 200	1 1	
176	457+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
177	458+2,51 PN 10	C45JGS DN 200	1	
178	459+3,57 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

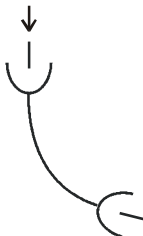
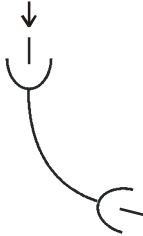
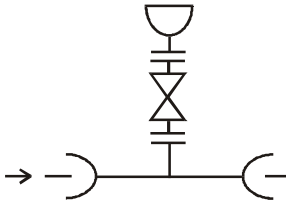
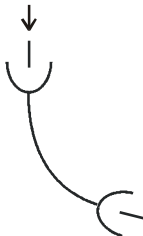
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
179	462+6,88 PN 10	C11JGS DN 200	1	
180	464+17,05 PN 10	C22JGS DN 200	1	
181	465+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
182	465+11,87 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

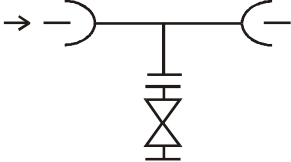
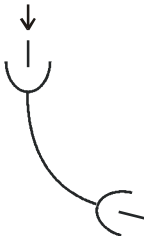
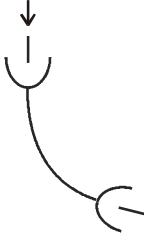
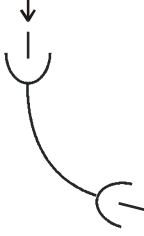
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
183	465+19,82 PN 10	C22JGS DN 200	1	
184	467+3,98 PN 10	C11JGS DN 200	1	
185	474+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
186	475+6,41 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

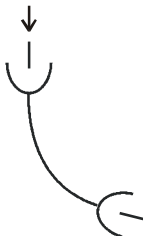
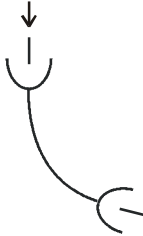
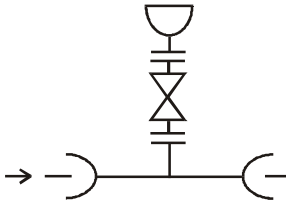
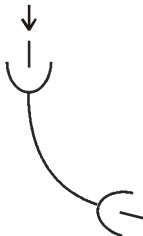
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
187	477+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
188	479+6,59 PN 10	C11JGS DN 200	1	
189	480+14,16 PN 10	C11JGS DN 200	1	
190	490+10,18 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

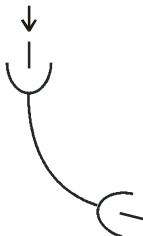
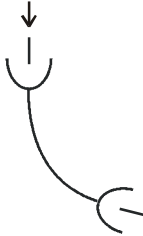
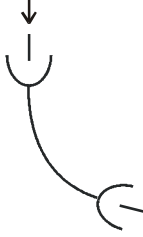
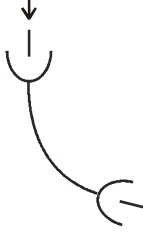
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
191	495+5,47 PN 10	C22JGS DN 200	1	
192	501+12,42 PN 10	C11JGS DN 200	1	
193	503+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
194	505+17,03 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

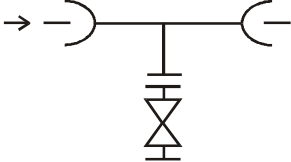
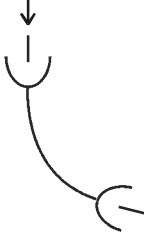
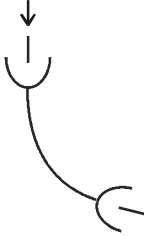
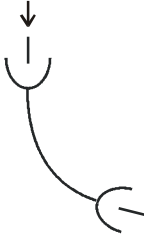
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
195	508+11,15 PN 10	C11JGS DN 200	1	
196	510+8,04 PN 10	C11JGS DN 200	1	
197	512+11,48 PN 10	C11JGS DN 200	1	
198	513+2,70 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

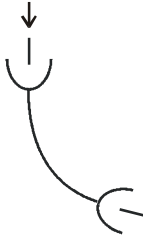
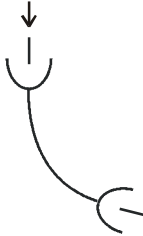
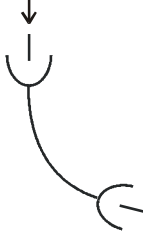
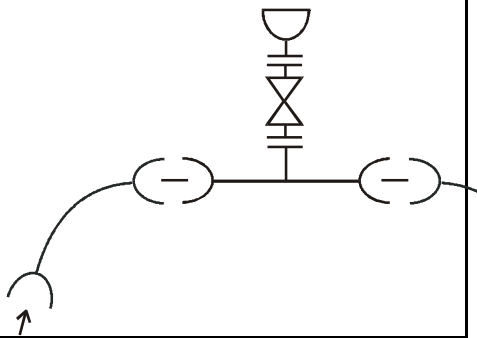
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
199	516+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
200	516+7,65 PN 10	C11JGS DN 200	1	
201	520+5,89 PN 10	C11JGS DN 200	1	
202	526+1,45 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

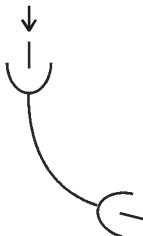
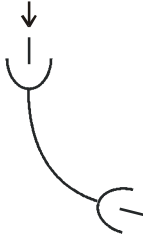
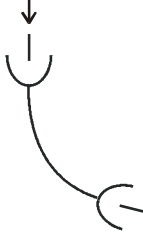
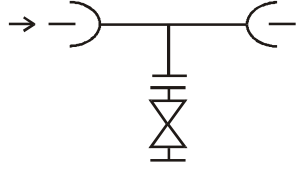
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
203	538+7,96 PN 10	C11JGS DN 200	1	
204	539+2,19 PN 10	C11JGS DN 200	1	
205	545+3,48 PN 10	C11JGS DN 200	1	
206	550+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 C11JGS DN 200 C22JGS DN 200 ABF/AAF DN 100	1 1 1 16 1 1 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

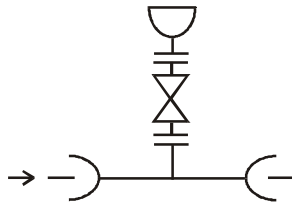
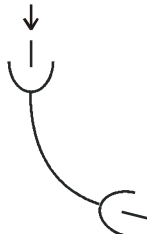
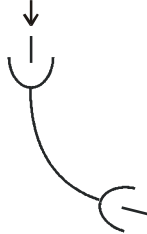
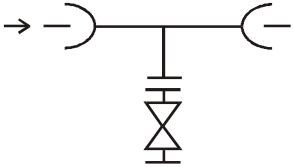
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
207	554+1,17 PN 10	C11JGS DN 200	1	
208	557+0,97 PN 10	C11JGS DN 200	1	
209	560+16,46 PN 10	C11JGS DN 200	1	
210	561+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

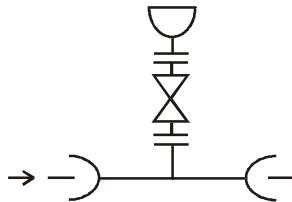
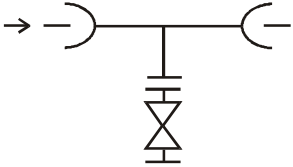
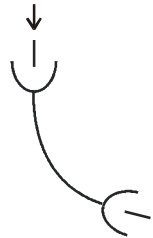
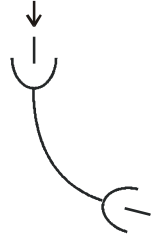
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
211	564+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
212	572+1,83 PN 10	C11JGS DN 200	1	
213	573+19,85 PN 10	C11JGS DN 200	1	
214	574+9,45 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

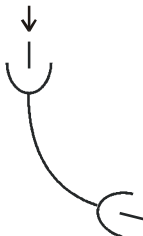
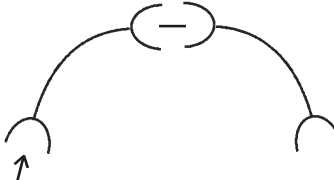
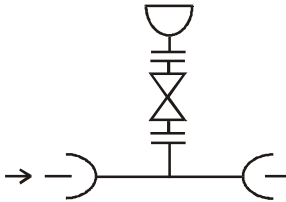
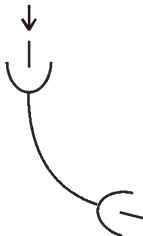
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
215	577+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
216	583+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
217	598+9,29 PN 10	C11JGS DN 200	1	
218	599+8,58 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

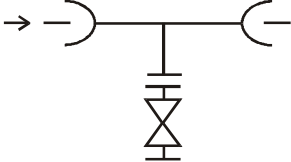
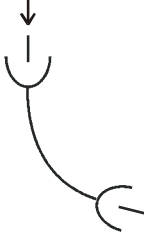
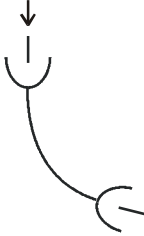
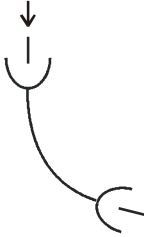
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
219	600+3,82 PN 10	C11JGS DN 200	1	
220	606+10,43 PN 10	C11JGS DN 200 C90JGS DN 200	1 1	
221	609+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
222	612+17,37 PN 10	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

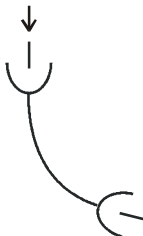
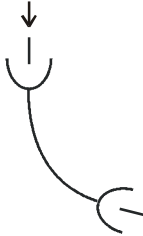
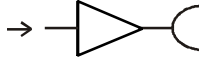
Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
223	613+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
224	617+16,59 PN 10	C45JGS DN 200	1	
225	623+18,38 PN 10	C11JGS DN 200	1	
226	626+8,11 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: EB2 a Stand-Pipe 2

Ponto	Estaca	Discriminação	Quant.	Desenho
227	627+14,28 PN 10	C22JGS DN 200	1	
228	633+11,01 PN 10	C11JGS DN 200	1	
229	634+0,00 PN 10	RPBJGS DN 250x200	1	

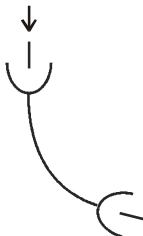
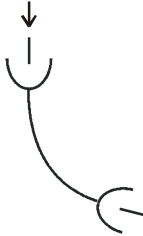
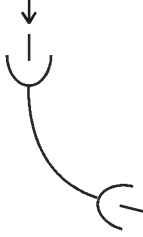
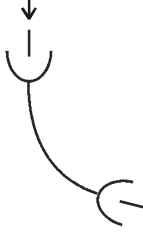


4. Stand-Pipe 2 a Estaca 813 + 0,00

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

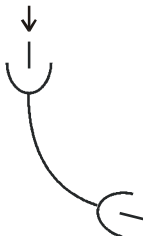
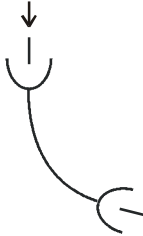
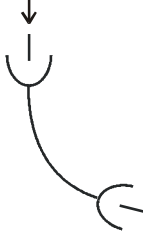
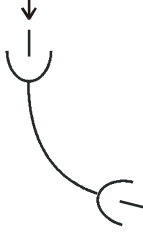
Trecho: Stand-Pipe 2 a Estaca 813 + 0,00

Ponto	Estaca	Discriminação	Quant.	Desenho
230	636+0,00 PN 10	C11JGS DN 250	1	
231	637+3,18 PN 10	C11JGS DN 250	1	
232	638+4,24 PN 10	C11JGS DN 250	1	
233	642+3,20 PN 10	C11JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

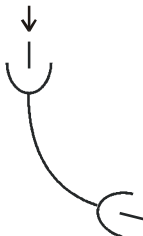
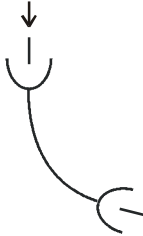
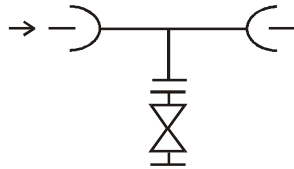
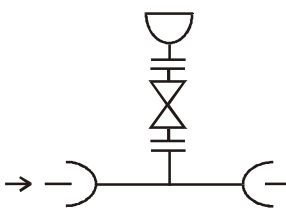
Trecho: Stand-Pipe 2 a Estaca 813 + 0,00

Ponto	Estaca	Discriminação	Quant.	Desenho
234	644+13,55 PN 10	C11JGS DN 250	1	
235	645+0,98 PN 10	C11JGS DN 250	1	
236	646+0,00 PN 10	C11JGS DN 250	1	
237	647+1,30 PN 10	C11JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

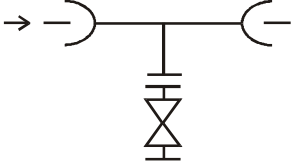
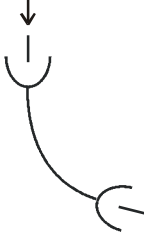
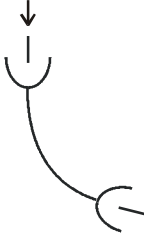
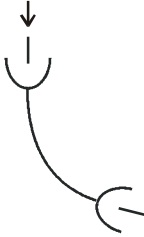
Trecho: Stand-Pipe 2 a Estaca 813 + 0,00

Ponto	Estaca	Discriminação	Quant.	Desenho
238	647+17,98 PN 10	C11JGS DN 250	1	
239	648+13,20 PN 10	C22JGS DN 250	1	
240	652+8,92 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
241	655+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Stand-Pipe 2 a Estaca 813 + 0,00

Ponto	Estaca	Discriminação	Quant.	Desenho
242	659+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
243	659+3,44 PN 10	C11JGS DN 250	1	
244	661+6,65 PN 10	C11JGS DN 250	1	
245	664+13,53 PN 10	C11JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

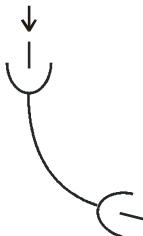
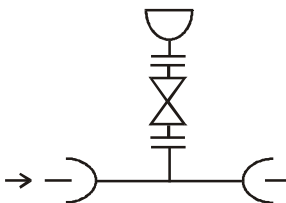
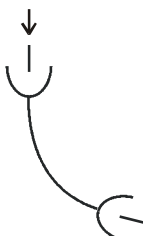
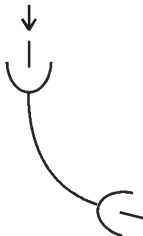
Trecho: Stand-Pipe 2 a Estaca 813 + 0,00

Ponto	Estaca	Discriminação	Quant.	Desenho
246	665+15,11 PN 10	C11JGS DN 250	1	
247	666+14,98 PN 10	C11JGS DN 250	1	
248	667+10,69 PN 10	C11JGS DN 250	1	
249	672+15,19 PN 10	C11JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Stand-Pipe 2 a Estaca 813 + 0,00

Ponto	Estaca	Discriminação	Quant.	Desenho
250	674+6,52 PN 10	C11JGS DN 250	1	
251	675+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
252	675+9,32 PN 10	C11JGS DN 250	1	
253	677+12,19 PN 10	C11JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

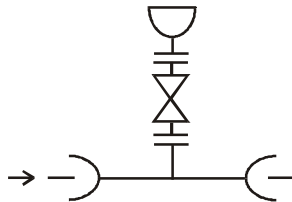
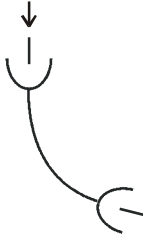
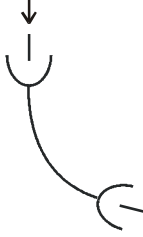
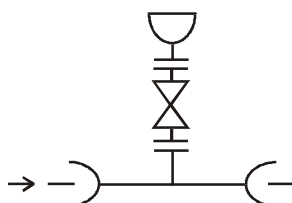
Trecho: Stand-Pipe 2 a Estaca 813 + 0,00

Ponto	Estaca	Discriminação	Quant.	Desenho
254	679+10,12 PN 10	C22JGS DN 250	1	
255	683+19,98 PN 10	C22JGS DN 250	1	
256	684+16,55 PN 10	C11JGS DN 250	1	
257	687+4,54 PN 10	C22JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

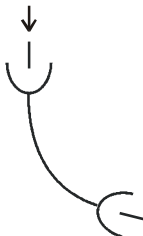
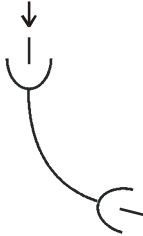
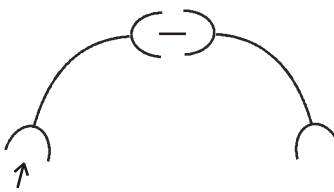
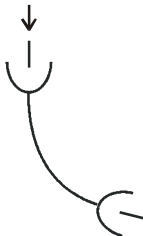
Trecho: Stand-Pipe 2 a Estaca 813 + 0,00

Ponto	Estaca	Discriminação	Quant.	Desenho
258	700+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
259	700+11,35 PN 10	C11JGS DN 250	1	
260	722+18,74 PN 10	C11JGS DN 250	1	
261	725+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

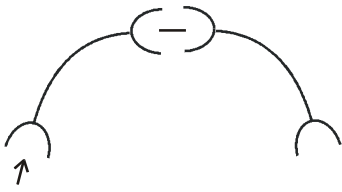
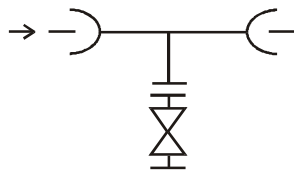
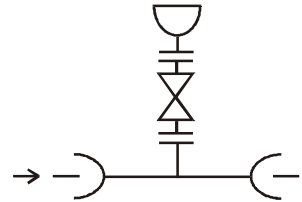
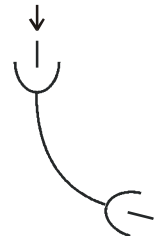
Trecho: Stand-Pipe 2 a Estaca 813 + 0,00

Ponto	Estaca	Discriminação	Quant.	Desenho
262	732+9,23 PN 10	C11JGS DN 250	1	
263	741+16,29 PN 10	C11JGS DN 250	1	
264	742+16,51 PN 10	C11JGS DN 250 C45JGS DN 250	1 1	
265	751+9,26 PN 10	C11JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

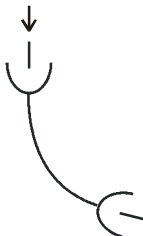
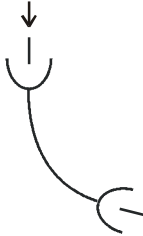
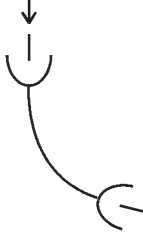
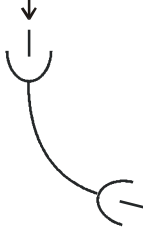
Trecho: Stand-Pipe 2 a Estaca 813 + 0,00

Ponto	Estaca	Discriminação	Quant.	Desenho
266	752+6,29 PN 10	C90JGS DN 250 C11JGS DN 250	1 1	
267	753+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
268	761+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
269	764+15,15 PN 10	C11JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

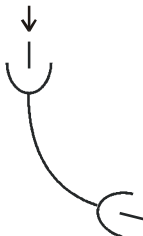
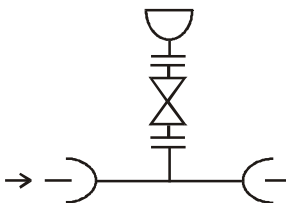
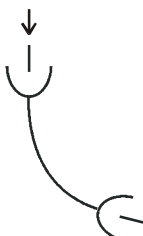
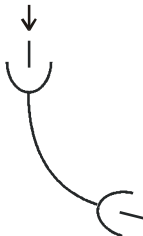
Trecho: Stand-Pipe 2 a Estaca 813 + 0,00

Ponto	Estaca	Discriminação	Quant.	Desenho
270	769+16,54 PN 10	C11JGS DN 250	1	
271	770+6,80 PN 10	C22JGS DN 250	1	
272	770+18,60 PN 10	C22JGS DN 250	1	
273	774+10,80 PN 10	C11JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

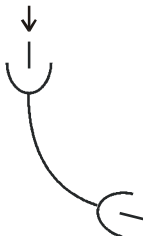
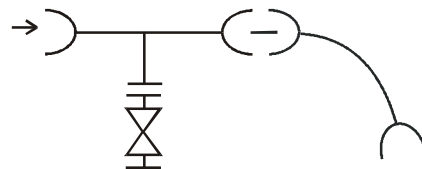
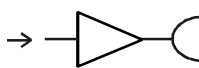
Trecho: Stand-Pipe 2 a Estaca 813 + 0,00

Ponto	Estaca	Discriminação	Quant.	Desenho
274	782+10,17 PN 10	C11JGS DN 250	1	
275	786+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
276	794+17,66 PN 10	C11JGS DN 250	1	
277	796+7,18 PN 10	C11JGS DN 250	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Stand-Pipe 2 a Estaca 813 + 0,00

Ponto	Estaca	Discriminação	Quant.	Desenho
278	797+19,01 PN 10	C11JGS DN 250	1	
279	810+0,00 PN 10	TJGSF10/16 DN 250 x 100 R23FC16 DN 100 C22JGS DN 250 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 8 1	
280	813+0,00 PN 10	RPBJGS DN 250x200	1	



5. Estaca 813 + 0,00 a Reservatório de Santa Cruz

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
281	813+16,90 PN 16	C11JGS DN 200	1	
282	815+10,64 PN 16	C11JGS DN 200	1	
283	816+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 C22JGS DN 200 ABF/AAF DN 100	1 1 1 16 1 2	
284	816+16,61 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

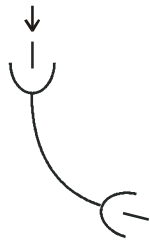
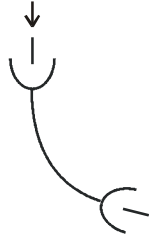
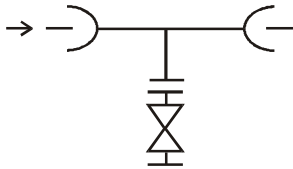
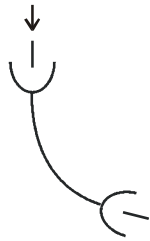
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
285	818+0,09 PN 16	C11JGS DN 200	1	
286	819+2,83 PN 16	C22JGS DN 200	1	
287	828+12,83 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
288	830+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
289	836+16,78 PN 16	C22JGS DN 200	1	
290	845+1,05 PN 16	C11JGS DN 200	1	
291	845+10,83 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
292	850+0,18 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

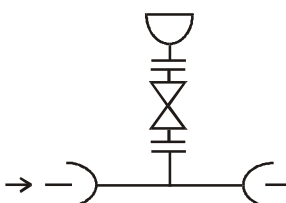
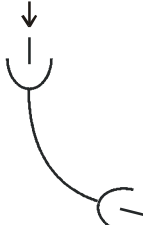
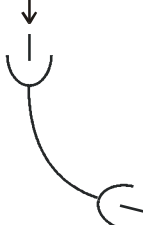
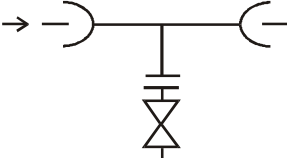
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
293	850+19,10 PN 16	C45JGS DN 200	1	
294	854+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
295	860+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
296	865+7,80 PN 16	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

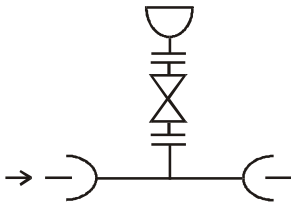
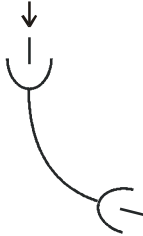
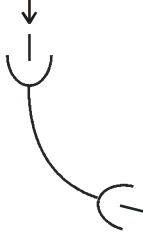
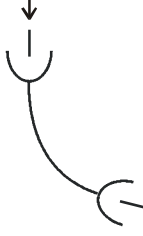
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
297	866+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
298	867+8,26 PN 16	C11JGS DN 200	1	
299	876+6,14 PN 16	C11JGS DN 200	1	
300	877+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
301	878+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
302	881+5,58 PN 16	C11JGS DN 200	1	
303	888+3,00 PN 16	C45JGS DN 200	1	
304	890+10,25 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
305	891+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
306	895+9,92 PN 16	C22JGS DN 200	1	
307	901+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
308	902+8,45 PN 16	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

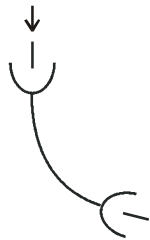
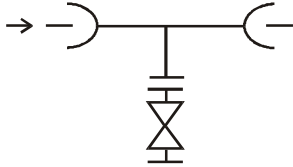
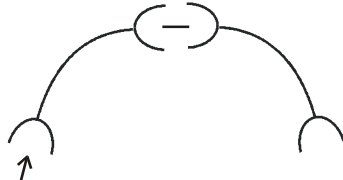
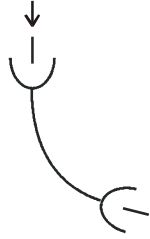
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
309	903+10,86 PN 16	C11JGS DN 200	1	
310	904+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
311	908+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
312	908+10,06 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
313	909+13,29 PN 16	C22JGS DN 200	1	
314	910+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
315	911+7,56 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
316	915+6,88 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

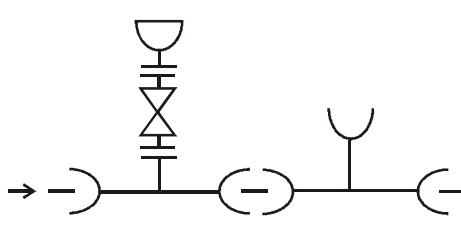
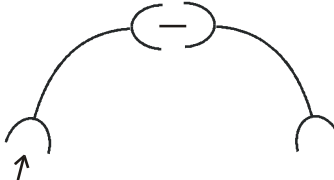
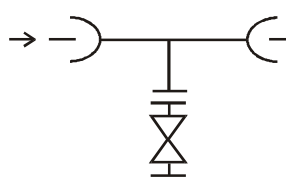
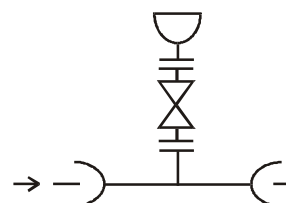
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
317	916+5,72 PN 16	C11JGS DN 200	1	
318	920+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
319	923+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
320	925+9,50 PN 16	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

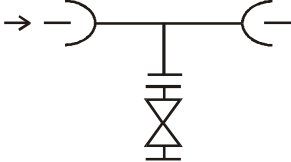
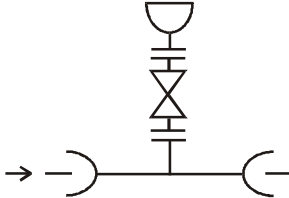
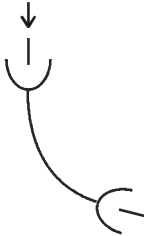
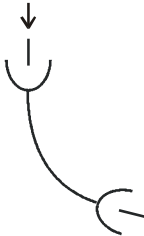
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
321	928+0,00 = 0 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 TJGS DN 200x100 ABF/AAF DN 100	1 1 1 16 1 2	
322	22+14,92 PN 16	C22JGS DN 200 C45JGS DN 200	1 1	
323	25+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
324	28+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

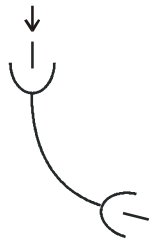
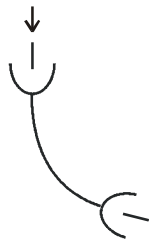
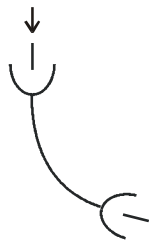
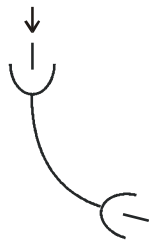
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
325	36+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
326	45+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
327	48+7,37 PN 16	C11JGS DN 200	1	
328	51+15,57 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
329	54+12,43 PN 16	C11JGS DN 200	1	
330	58+15,09 PN 16	C11JGS DN 200	1	
331	64+18,71 PN 16	C11JGS DN 200	1	
332	69+3,04 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

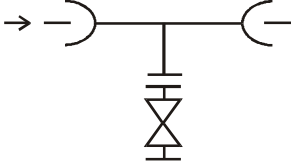
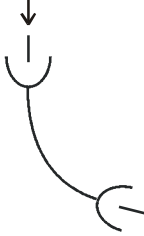
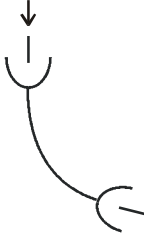
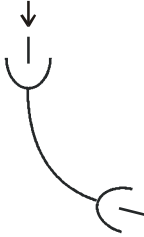
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
333	71+1,04 PN 16	C11JGS DN 200	1	
334	71+18,85 PN 16	C11JGS DN 200	1	
335	74+16,04 PN 16	C11JGS DN 200	1	
336	87+14,11 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

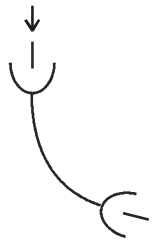
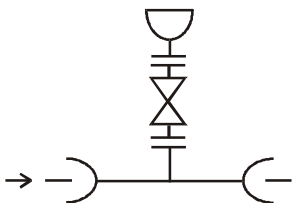
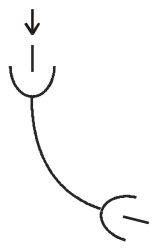
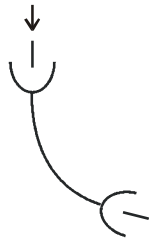
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
337	80+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
338	82+1,14 PN 16	C11JGS DN 200	1	
339	84+19,87 PN 16	C11JGS DN 200	1	
340	98+14,59 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
341	103+11,55 PN 16	C11JGS DN 200	1	
342	110+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
343	110+13,32 PN 16	C11JGS DN 200	1	
344	114+5,36 PN 16	C45JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

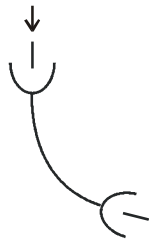
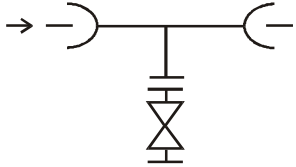
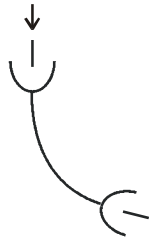
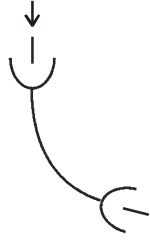
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
345	118+5,15 PN 16	C11JGS DN 200	1	
346	121+17,04 PN 16	C11JGS DN 200	1	
347	136+7,76 PN 16	C11JGS DN 200	1	
348	140+2,57 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

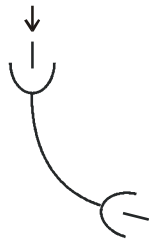
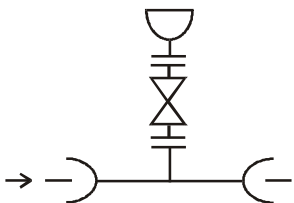
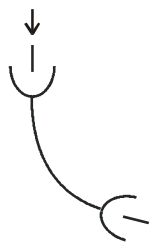
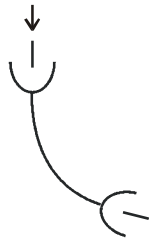
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
349	141+0,03 PN 16	C45JGS DN 200	1	
350	146+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
351	147+7,46 PN 16	C45JGS DN 200	1	
352	148+18,22 PN 16	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

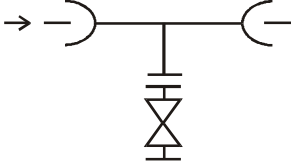
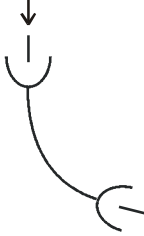
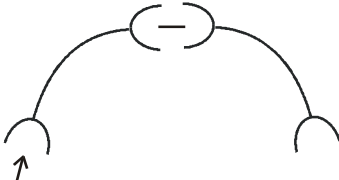
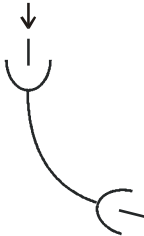
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
353	149+11,07 PN 16	C22JGS DN 200	1	
354	150+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
355	152+4,62 PN 16	C11JGS DN 200	1	
356	152+15,42 PN 16	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

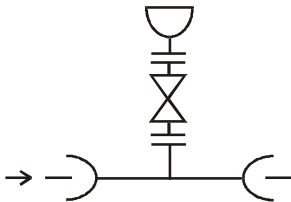
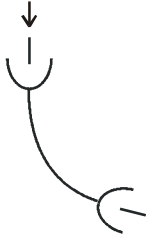
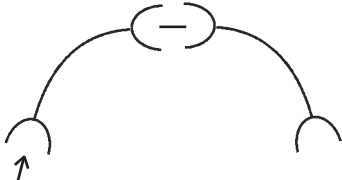
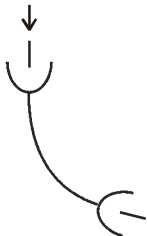
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
357	153+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
358	153+12,32 PN 16	C11JGS DN 200	1	
359	156+1,28 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
360	166+7,03 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

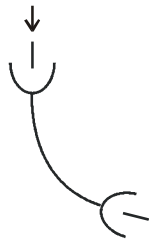
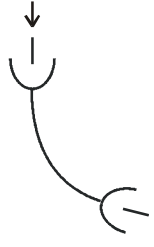
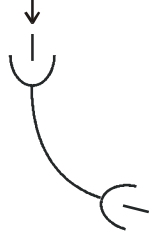
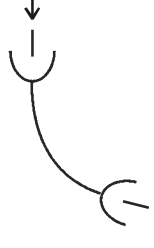
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
361	172+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
362	172+17,41 PN 16	C11JGS DN 200	1	
363	174+15,98 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
364	176+2,53 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

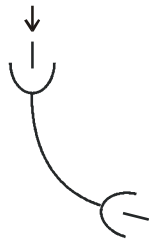
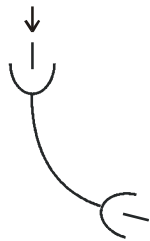
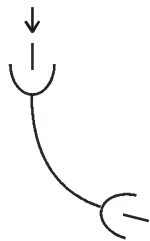
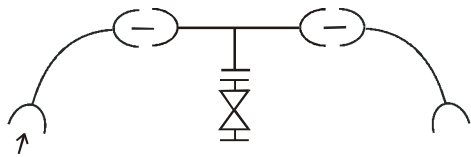
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
365	179+5,61 PN 16	C11JGS DN 200	1	
366	186+18,93 PN 16	C22JGS DN 200	1	
367	192+9,85 PN 16	C11JGS DN 200	1	
368	194+5,29 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
369	196+16,65 PN 16	C11JGS DN 200	1	
370	197+19,01 PN 16	C11JGS DN 200	1	
371	199+14,18 PN 16	C11JGS DN 200	1	
372	200+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 C11JGS DN 200 C22JGS DN 200 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

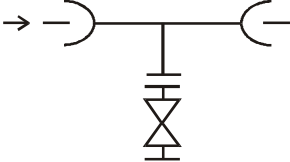
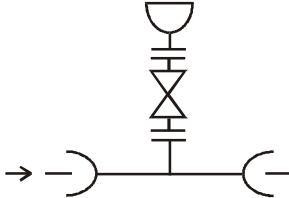
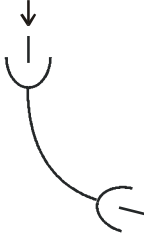
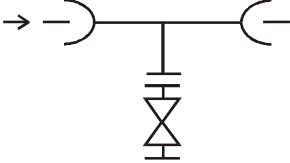
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
373	201+6,05 PN 16	C22JGS DN 200	1	
374	202+10,83 PN 16	C11JGS DN 200	1	
375	207+7,68 PN 16	C11JGS DN 200 C90JGS DN 200	1 1	
376	210+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

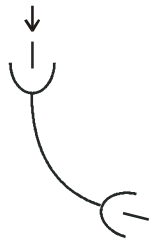
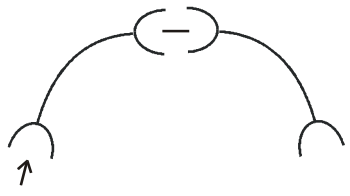
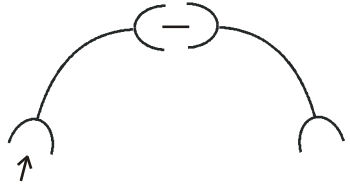
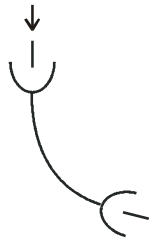
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
377	217+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
378	223+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
379	223+14,01 PN 16	C11JGS DN 200	1	
380	233+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

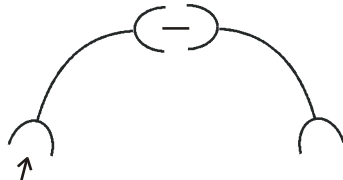
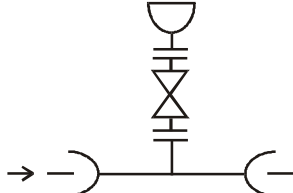
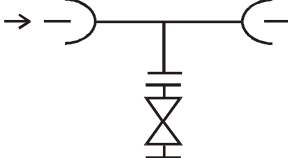
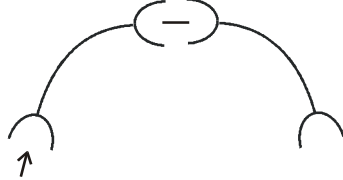
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
381	241+19,22 PN 16	C11JGS DN 200	1	
382	242+17,94 PN 16	C22JGS DN 200 C45JGS DN 200	1 1	
383	244+15,91 PN 16	C22JGS DN 200 C45JGS DN 200	1 1	
384	248+3,72 PN 16	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
385	250+8,60 PN 16	C11JGS DN 200 C45JGS DN 200	1 1	
386	251+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
387	255+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
388	259+10,23 PN 16	C11JGS DN 200 C45JGS DN 200	1 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

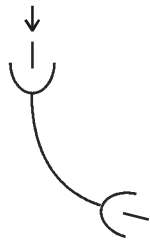
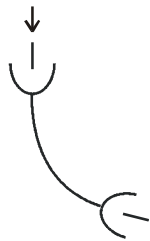
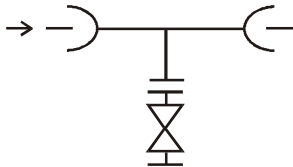
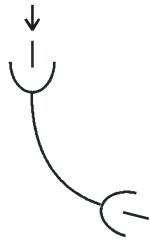
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
389	268+0,80 PN 16	C11JGS DN 200	1	
390	269+14,52 PN 16	C22JGS DN 200	1	
391	270+19,47 PN 16	C22JGS DN 200	1	
392	275+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

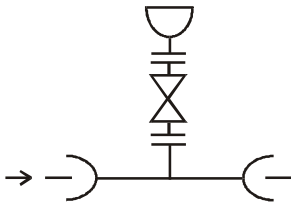
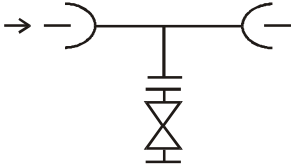
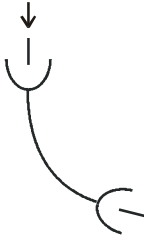
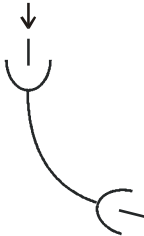
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
393	276+0,25 PN 16	C22JGS DN 200	1	
394	280+8,57 PN 16	C22JGS DN 200	1	
395	281+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
396	287+10,59 PN 16	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

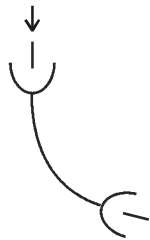
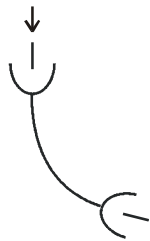
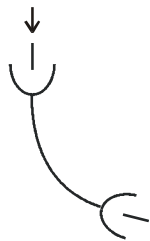
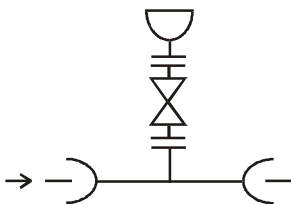
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
397	288+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
398	292+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
399	292+18,21 PN 16	C22JGS DN 200	1	
400	293+17,60 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

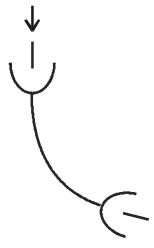
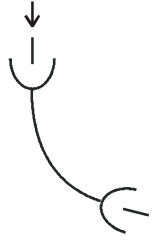
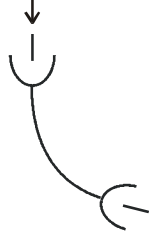
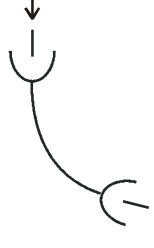
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
401	294+8,85 PN 16	C11JGS DN 200	1	
402	300+9,89 PN 16	C22JGS DN 200	1	
403	302+12,87 PN 16	C11JGS DN 200	1	
404	303+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

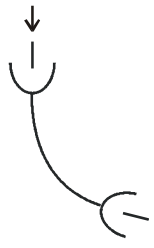
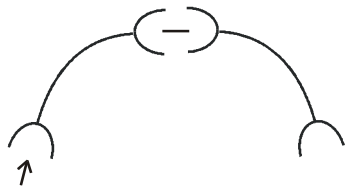
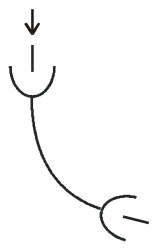
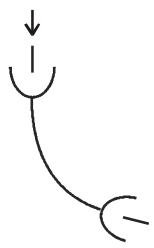
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
405	303+8,66 PN 16	C11JGS DN 200	1	
406	305+2,94 PN 16	C11JGS DN 200	1	
407	306+0,71 PN 16	C22JGS DN 200	1	
408	309+4,69 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

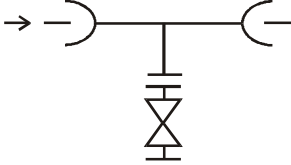
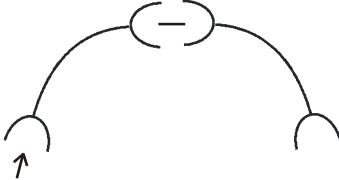
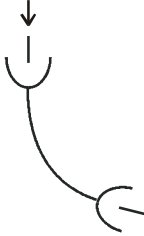
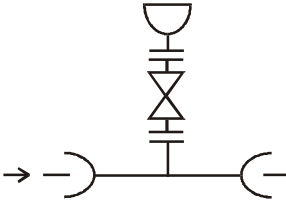
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
409	310+4,13 PN 16	C11JGS DN 200	1	
410	311+1,38 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
411	311+17,33 PN 16	C11JGS DN 200	1	
412	313+10,70 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
413	314+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
414	315+18,79 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
415	319+0,84 PN 16	C11JGS DN 200	1	
416	326+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

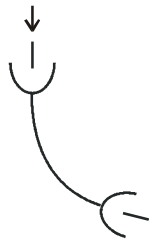
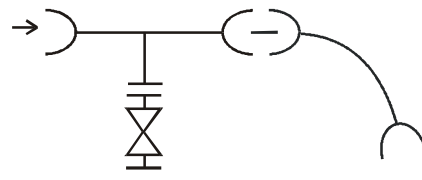
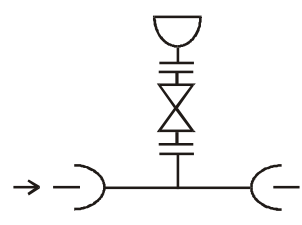
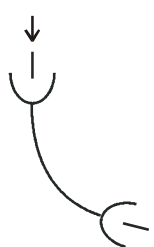
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
417	326+3,81 PN 16	C11JGS DN 200	1	
418	328+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
419	334+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
420	335+18,21 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

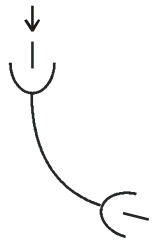
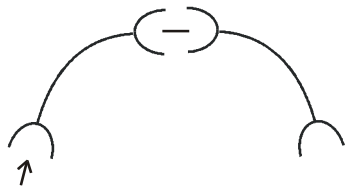
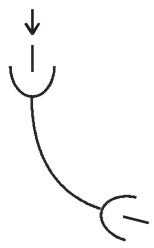
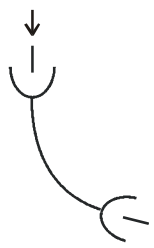
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
421	336+11,69 PN 16	C11JGS DN 200	1	
422	337+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 C11JGS DN 200 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 8 1	
423	340+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
424	340+8,93 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
425	341+7,68 PN 16	C11JGS DN 200	1	
426	345+18,22 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
427	347+5,86 PN 16	C22JGS DN 200	1	
428	353+13,36 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
429	357+6,58 PN 16	C45JGS DN 200	1	
430	359+14,56 PN 16	C11JGS DN 200	1	
431	360+5,27 PN 16	C11JGS DN 200	1	
432	362+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

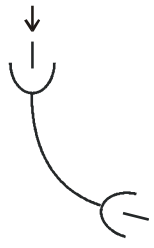
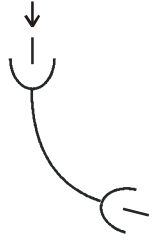
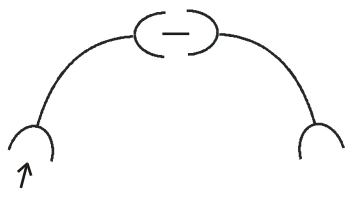
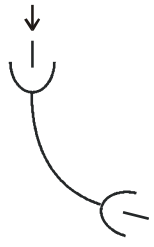
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
433	362+14,58 PN 16	C11JGS DN 200	1	
434	363+11,08 PN 16	C11JGS DN 200	1	
435	368+3,58 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 C22JGS DN 200 ABF/AAF DN 100	1 1 1 16 1 2	
436	368+11,06 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

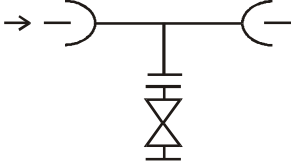
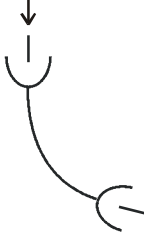
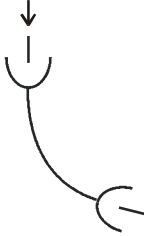
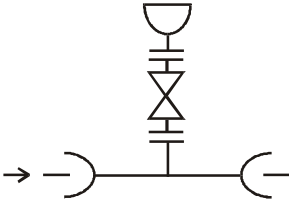
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
437	369+14,03 PN 16	C22JGS DN 200	1	
438	372+11,07 PN 16	C11JGS DN 200	1	
439	376+15,08 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
440	378+14,49 PN 16	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

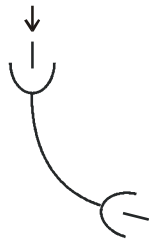
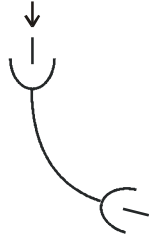
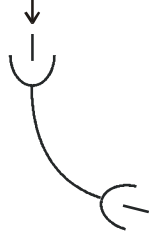
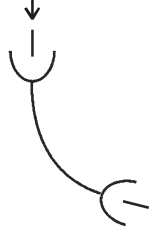
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
441	385+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
442	389+19,82 PN 16	C11JGS DN 200	1	
443	393+5,36 PN 16	C11JGS DN 200	1	
444	406+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

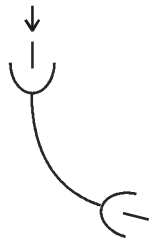
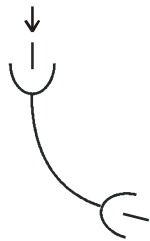
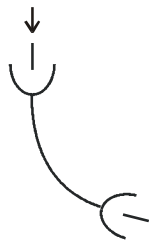
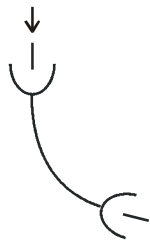
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
445	408+19,70 PN 16	C22JGS DN 200	1	
446	413+11,28 PN 10	C11JGS DN 200	1	
447	416+5,82 PN 10	C11JGS DN 200	1	
448	417+16,11 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

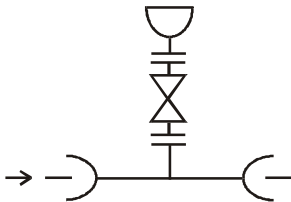
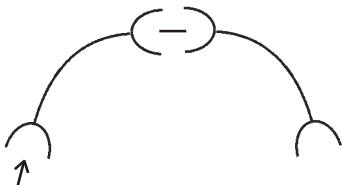
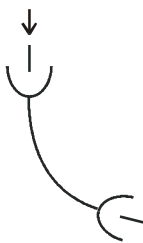
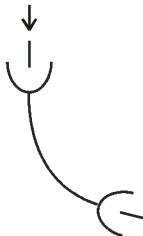
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
449	422+19,86 PN 10	C22JGS DN 200	1	
450	424+14,05 PN 10	C11JGS DN 200	1	
451	426+0,90 PN 10	C11JGS DN 200	1	
452	428+5,97 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
453	431+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
454	441+1,66 PN 10	C11JGS DN 200 C45JGS DN 200	1 1	
455	443+11,61 PN 10	C11JGS DN 200	1	
456	444+12,33 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

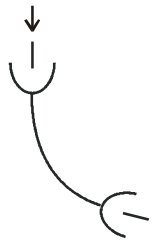
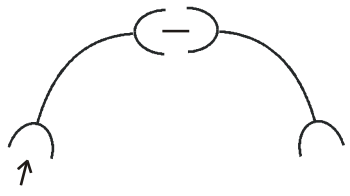
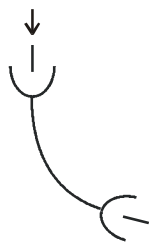
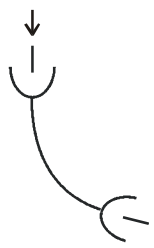
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
457	447+6,66 PN 10	C22JGS DN 200	1	
458	447+18,22 PN 10	C11JGS DN 200	1	
459	456+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 C11JGS DN 200 ABF/AAF DN 100	1 1 1 16 1 2	
460	457+2,20 PN 10	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
461	457+13,90 PN 10	C11JGS DN 200	1	
462	460+2,07 PN 10	C11JGS DN 200 C22JGS DN 200	1 1	
463	460+9,70 PN 10	C22JGS DN 200	1	
464	462+4,76 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

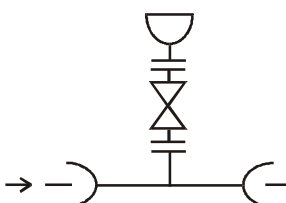
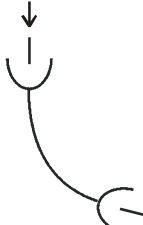
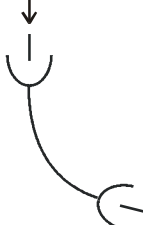
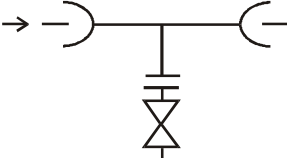
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
465	464+16,37 PN 10	C22JGS DN 200	1	
466	470+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
467	474+4,48 PN 10	C11JGS DN 200 C45JGS DN 200	1 1	
468	477+8,97 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
469	480+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
470	481+16,72 PN 10	C22JGS DN 200	1	
471	485+14,12 PN 10	C22JGS DN 200	1	
472	491+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

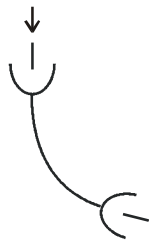
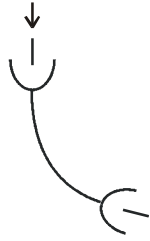
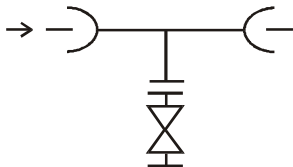
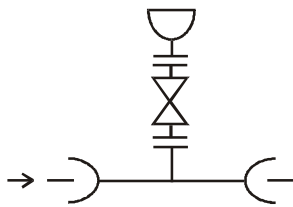
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
473	492+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
474	494+8,43 PN 10	C45JGS DN 200	1	
475	495+1,58 PN 10	C22JGS DN 200	1	
476	497+18,75 PN 10	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

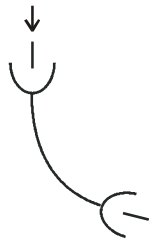
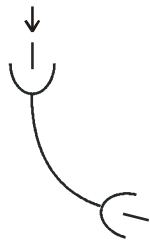
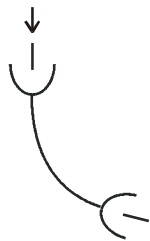
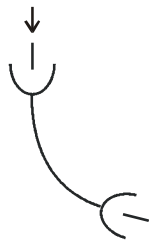
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
477	501+19,06 PN 10	C22JGS DN 200	1	
478	504+17,44 PN 10	C45JGS DN 200	1	
479	513+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
480	519+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

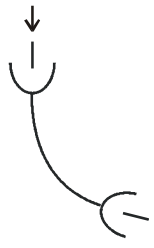
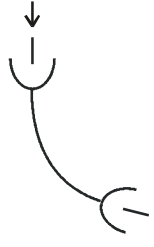
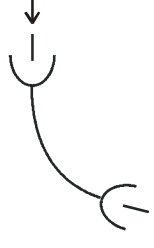
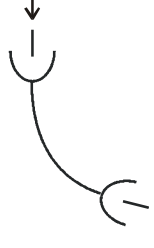
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
481	522+12,57 PN 10	C11JGS DN 200	1	
482	527+6,24 PN 10	C11JGS DN 200	1	
483	528+3,12 PN 10	C22JGS DN 200	1	
484	528+10,08 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

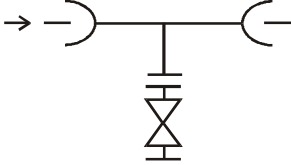
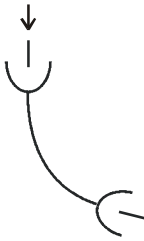
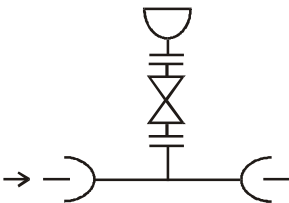
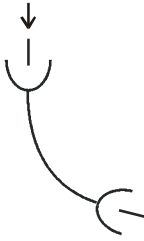
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
485	531+3,89 PN 10	C11JGS DN 200	1	
486	532+6,05 PN 10	C22JGS DN 200	1	
487	536+1,84 PN 10	C11JGS DN 200	1	
488	547+10,90 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
489	548+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
490	551+9,55 PN 10	C22JGS DN 200	1	
491	557+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
492	558+2,60 PN 10	C45JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
493	560+18,81 PN 10	C45JGS DN 200	1	
494	562+19,64 PN 10	C11JGS DN 200 C22JGS DN 200	1 1	
495	569+16,84 PN 10	C11JGS DN 200	1	
496	584+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

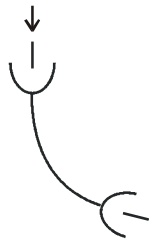
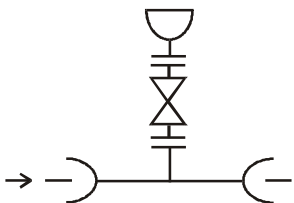
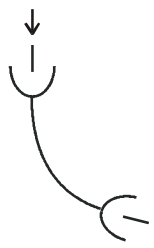
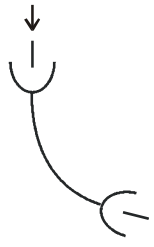
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
497	590+4,45 PN 10	C11JGS DN 200	1	
498	596+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
499	614+13,92 PN 10	C22JGS DN 200	1	
500	615+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

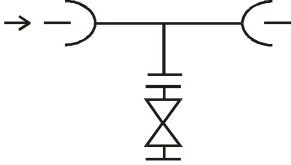
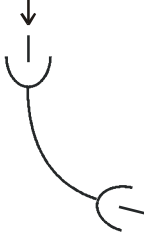
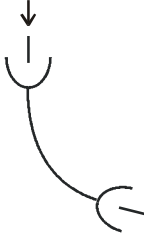
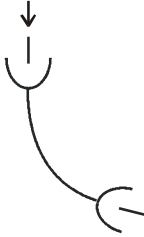
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
501	627+7,42 PN 10	C11JGS DN 200	1	
502	630+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
503	631+4,41 PN 10	C22JGS DN 200	1	
504	633+11,77 PN 10	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

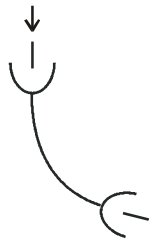
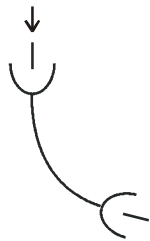
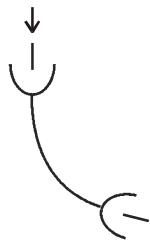
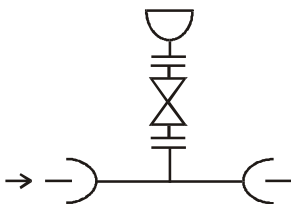
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
505	634+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
506	634+17,55 PN 10	C11JGS DN 200	1	
507	635+18,18 PN 10	C22JGS DN 200	1	
508	636+17,60 PN 10	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
509	639+10,56 PN 10	C11JGS DN 200	1	
510	640+9,48 PN 10	C11JGS DN 200	1	
511	651+18,04 PN 10	C11JGS DN 200	1	
512	652+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

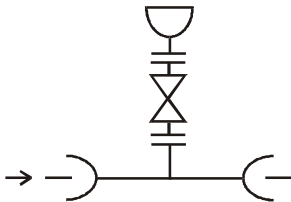
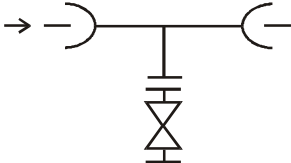
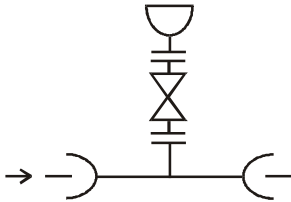
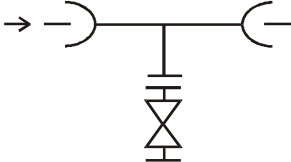
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
513	657+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
514	657+14,07 PN 10	C22JGS DN 200 C45JGS DN 200	1 1	
515	660+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
516	664+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

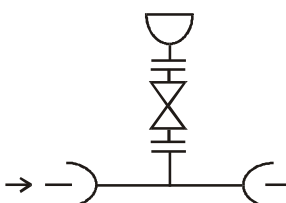
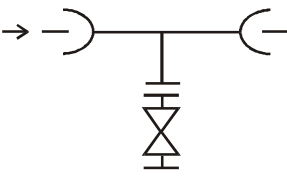
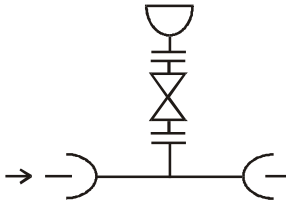
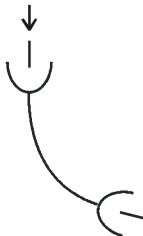
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
517	670+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
518	673+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
519	689+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
520	692+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

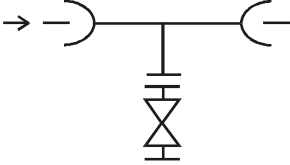
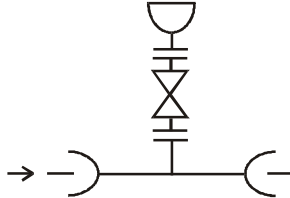
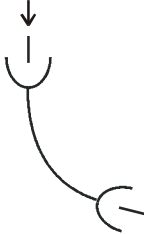
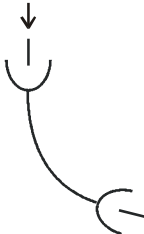
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
521	693+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
522	695+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
523	720+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
524	726+19,17 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
525	741+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
526	745+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
527	746+5,19 PN 10	C11JGS DN 200	1	
528	750+14,39 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
529	754+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
530	760+7,05 PN 10	C11JGS DN 200	1	
531	762+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
532	763+5,79 PN 10	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

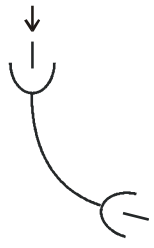
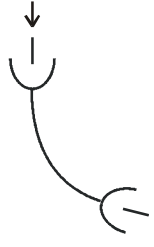
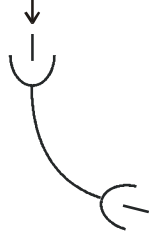
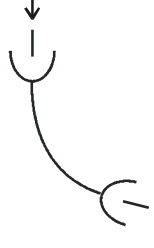
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
533	764+18,20 = 0 PN 16	TJGS DN 200x150	1	
534	12+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
535	14+2,83 PN 16	C11JGS DN 200	1	
536	17+8,18 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

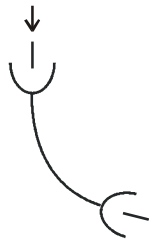
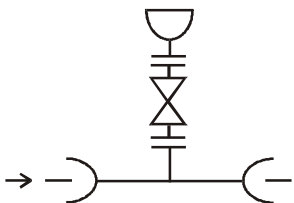
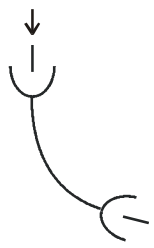
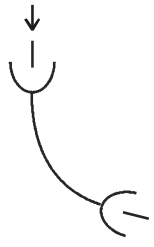
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
537	18+18,35 PN 16	C11JGS DN 200	1	
538	20+13,89 PN 16	C22JGS DN 200	1	
539	21+17,86 PN 16	C22JGS DN 200	1	
540	30+2,60 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

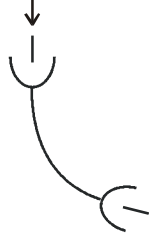
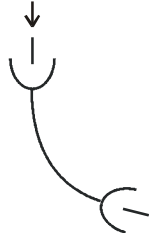
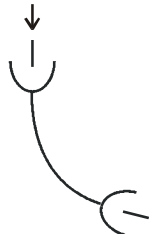
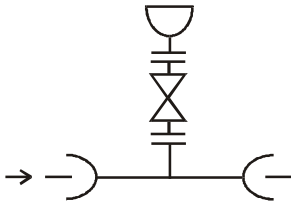
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
541	33+14,73 PN 16	C22JGS DN 200	1	
542	35+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
543	36+2,89 PN 16	C11JGS DN 200	1	
544	38+2,93 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

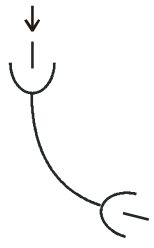
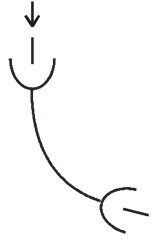
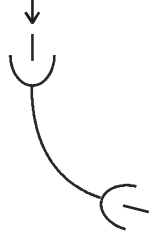
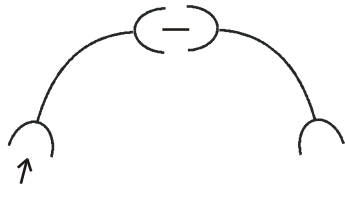
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
545	40+12,94 PN 16	C11JGS DN 200	1	
546	41+15,98 PN 16	C22JGS DN 200	1	
547	47+19,33 PN 16	C22JGS DN 200	1	
548	60+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
549	61+19,34 PN 16	C11JGS DN 200	1	
550	63+1,21 PN 16	C11JGS DN 200	1	
551	69+13,52 PN 16	C22JGS DN 200	1	
552	71+5,43 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
553	73+0,84 PN 16	C11JGS DN 200	1	
554	74+15,29 PN 16	C22JGS DN 200	1	
555	78+7,56 PN 16	C22JGS DN 200	1	
556	79+16,44 PN 16	C22JGS DN 200 C45JGS DN 200	1 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

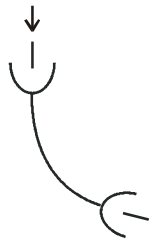
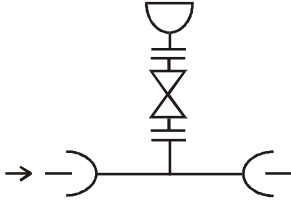
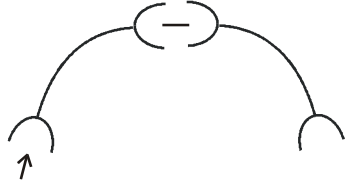
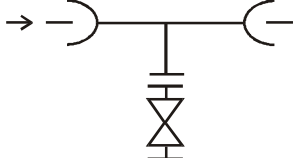
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
557	82+5,97 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
558	85+19,22 PN 16	C11JGS DN 200	1	
559	88+14,02 PN 16	C22JGS DN 200	1	
560	89+10,23 PN 16	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

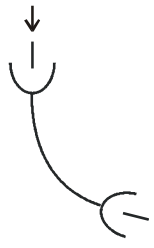
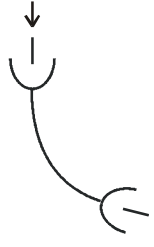
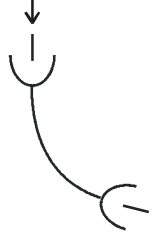
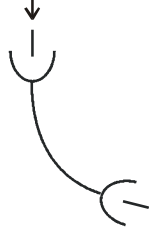
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
561	90+5,25 PN 16	C11JGS DN 200	1	
562	92+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
563	96+1,65 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
564	100+15,31 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

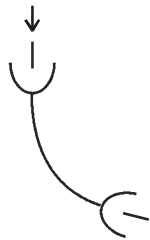
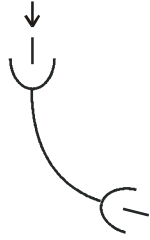
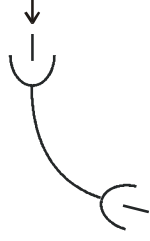
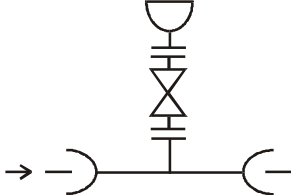
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
565	103+7,26 PN 16	C22JGS DN 200	1	
566	108+5,91 PN 16	C11JGS DN 200	1	
567	105+2,79 PN 16	C11JGS DN 200	1	
568	117+5,63 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
569	118+5,18 PN 16	C11JGS DN 200	1	
570	123+8,90 PN 16	C11JGS DN 200	1	
571	124+12,13 PN 16	C11JGS DN 200	1	
572	125+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
573	125+15,09 PN 16	C11JGS DN 200	1	
574	126+17,86 PN 16	C11JGS DN 200	1	
575	128+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
576	130+17,05 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

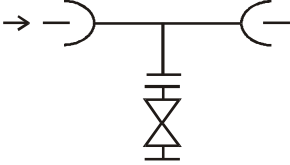
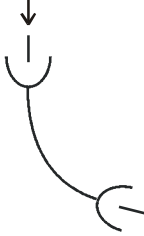
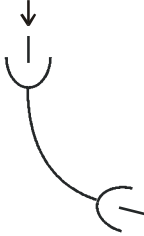
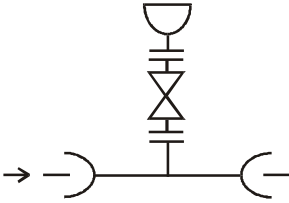
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
577	143+8,92 PN 16	C11JGS DN 200	1	
578	144+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
579	145+13,74 PN 16	C22JGS DN 200	1	
580	150+14,18 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
581	159+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
582	159+14,80 PN 16	C11JGS DN 200	1	
583	164+17,30 PN 16	C11JGS DN 200	1	
584	165+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

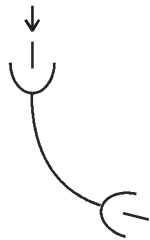
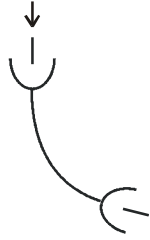
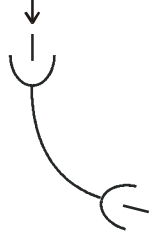
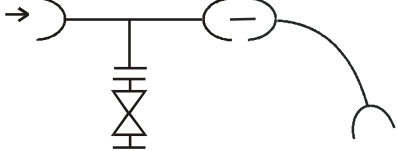
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
585	169+9,55 PN 16	C11JGS DN 200	1	
586	172+1,01 PN 16	C11JGS DN 200	1	
587	181+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
588	185+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

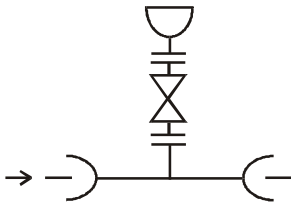
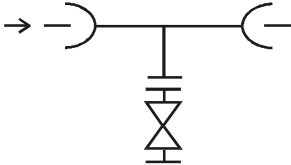
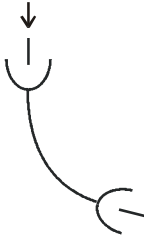
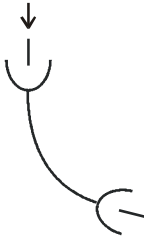
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
589	185+2,80 PN 16	C11JGS DN 200	1	
590	186+5,71 PN 16	C22JGS DN 200	1	
591	187+10,76 PN 16	C22JGS DN 200	1	
592	190+6,50 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 C22JGS DN 200 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

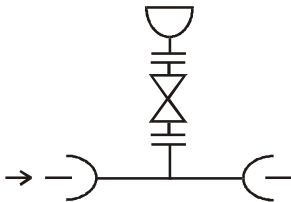
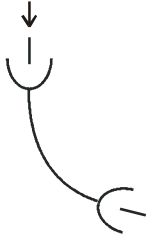
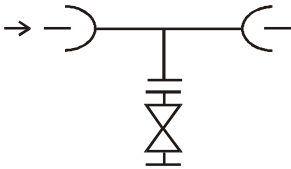
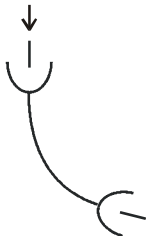
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
593	190+13,17 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
594	195+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
595	195+18,89 PN 16	C11JGS DN 200	1	
596	197+4,75 PN 16	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

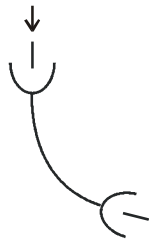
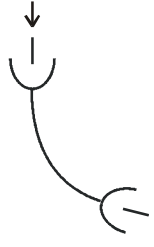
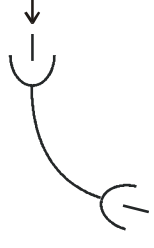
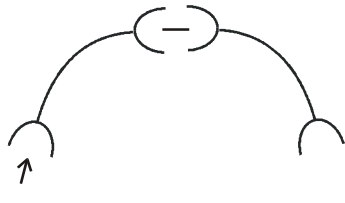
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
597	199+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
598	200+4,78 PN 16	C11JGS DN 200	1	
599	207+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
600	213+12,62 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

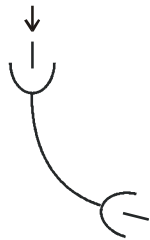
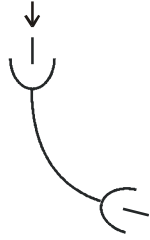
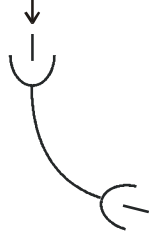
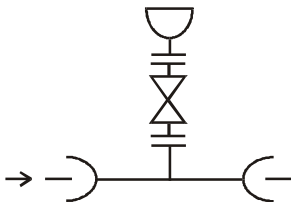
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
601	215+16,56 PN 16	C11JGS DN 200	1	
602	218+3,80 PN 16	C22JGS DN 200	1	
603	219+10,49 PN 16	C22JGS DN 200	1	
604	226+7,58 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

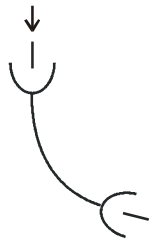
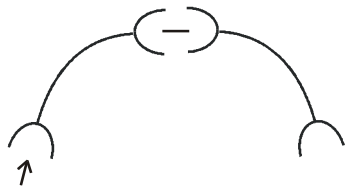
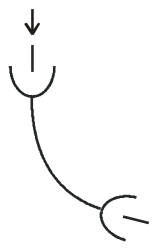
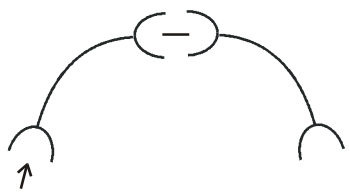
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
605	227+14,01 PN 16	C11JGS DN 200	1	
606	228+19,18 PN 16	C11JGS DN 200	1	
607	236+10,84 PN 16	C11JGS DN 200	1	
608	237+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

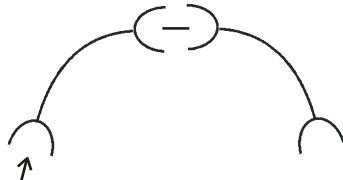
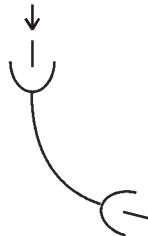
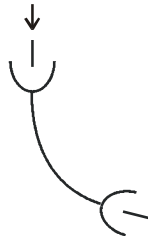
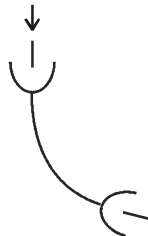
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
609	240+14,96 PN 16	C11JGS DN 200	1	
610	244+17,27 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
611	250+13,89 PN 16	C11JGS DN 200	1	
612	258+18,50 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

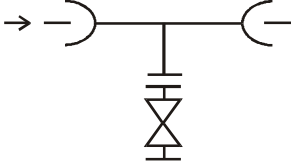
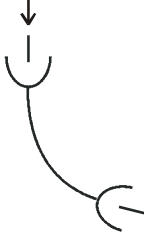
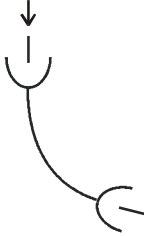
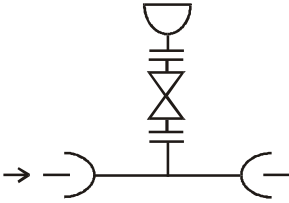
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
613	263+10,68 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
614	269+5,45 PN 16	C11JGS DN 200	1	
615	270+2,70 PN 16	C11JGS DN 200	1	
616	272+14,03 PN 16	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

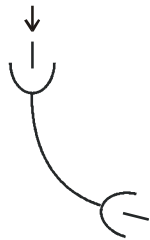
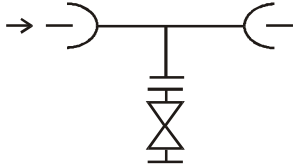
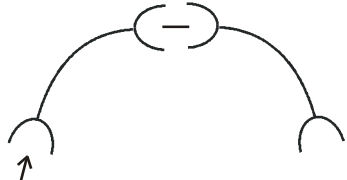
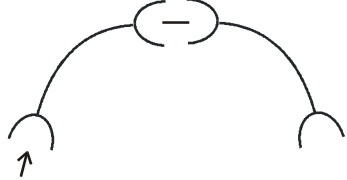
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
617	273+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
618	280+15,21 PN 16	C11JGS DN 200	1	
619	281+17,53 PN 16	C22JGS DN 200	1	
620	285+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

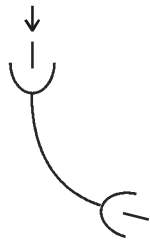
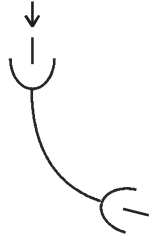
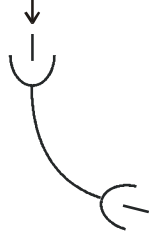
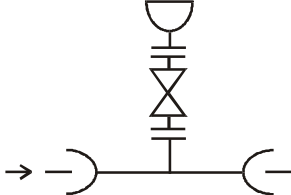
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
621	287+9,29 PN 16	C11JGS DN 200	1	
622	293+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
623	298+13,21 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
624	305+4,39 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

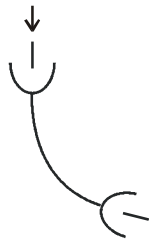
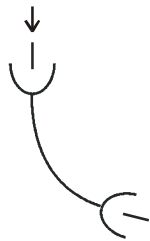
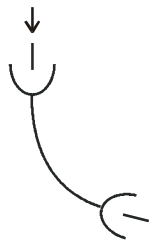
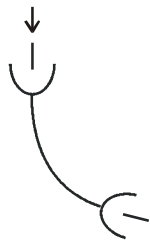
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
625	308+0,62 PN 16	C11JGS DN 200	1	
626	312+9,69 PN 16	C22JGS DN 200	1	
627	320+4,53 PN 16	C11JGS DN 200	1	
628	321+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
629	330+10,73 PN 16	C11JGS DN 200	1	
630	337+9,74 PN 16	C11JGS DN 200	1	
631	338+12,87 PN 16	C11JGS DN 200	1	
632	346+4,14 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

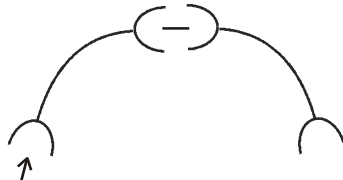
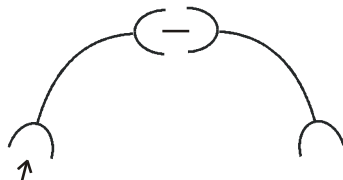
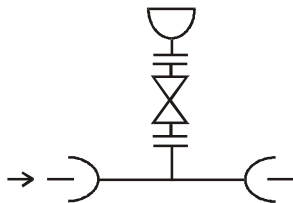
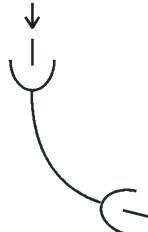
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
633	350+12,20 PN 16	C11JGS DN 200	1	
634	353+4,38 PN 16	C11JGS DN 200	1	
635	356+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
636	356+2,76 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

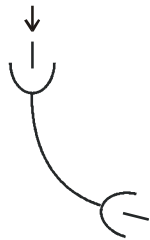
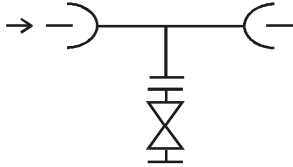
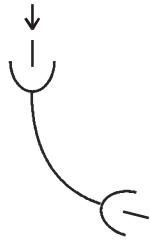
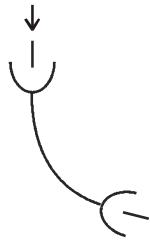
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
637	360+16,05 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
638	368+9,83 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
639	373+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
640	379+12,74 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

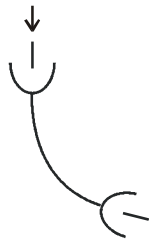
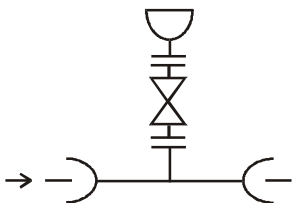
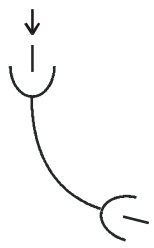
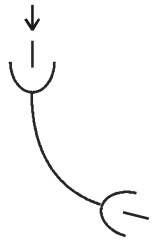
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
641	380+3,50 PN 16	C11JGS DN 200	1	
642	384+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
643	387+1,61 PN 16	C22JGS DN 200	1	
644	389+16,08 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

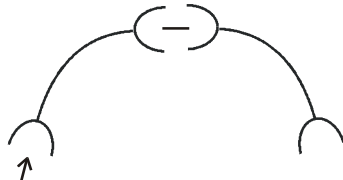
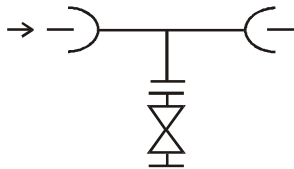
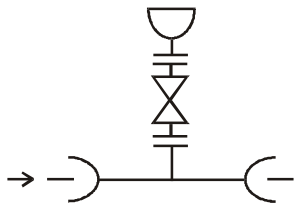
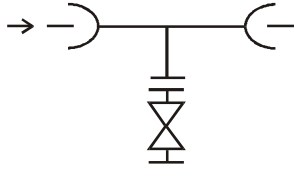
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
645	396+0,71 PN 16	C11JGS DN 200	1	
646	397+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
647	402+15,38 PN 16	C11JGS DN 200	1	
648	403+10,99 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

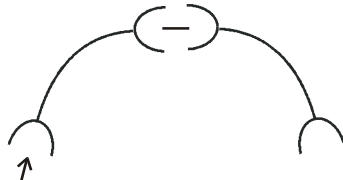
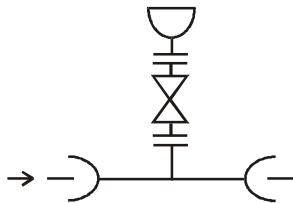
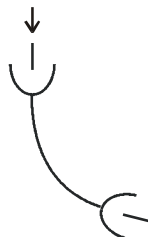
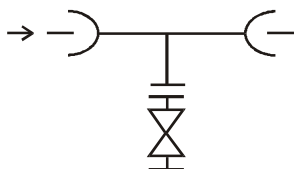
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
649	411+16,19 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
650	417+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
651	421+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
652	422+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

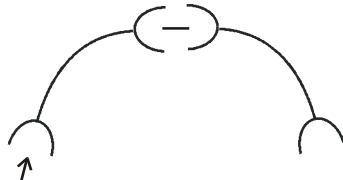
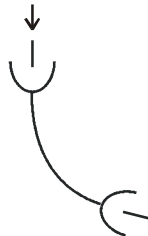
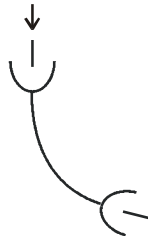
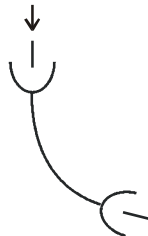
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
653	422+11,01 PN 16	C11JGS DN 200 C45JGS DN 200	1 1	
654	428+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
655	428+6,31 PN 16	C11JGS DN 200	1	
656	432+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

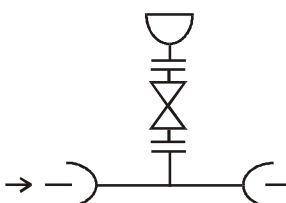
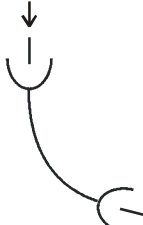
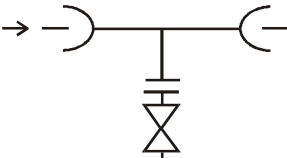
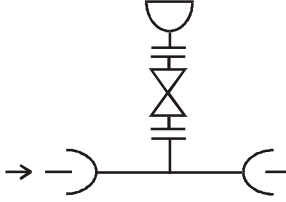
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
657	435+7,52 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
658	438+15,68 PN 16	C11JGS DN 200	1	
659	445+5,74 PN 16	C11JGS DN 200	1	
660	447+14,67 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

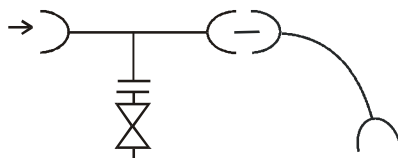
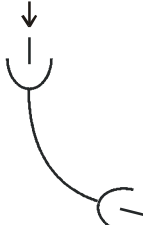
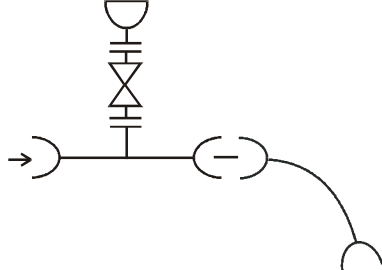
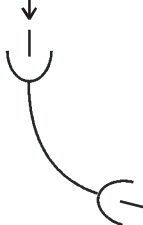
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
661	453+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
662	458+1,85 PN 16	C11JGS DN 200	1	
663	464+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
664	468+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

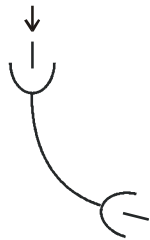
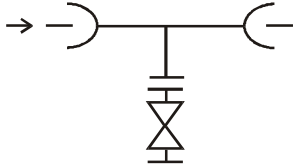
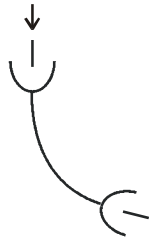
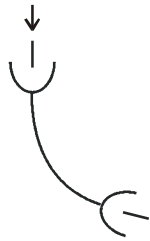
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
665	479+11,70 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 C11JGS DN 200 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 8 1	
666	487+19,70 PN 16	C22JGS DN 200	1	
667	488+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 C22JGS DN 200 ABF/AAF DN 100	1 1 1 16 1 2	
668	494+17,76 PN 16	C45JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

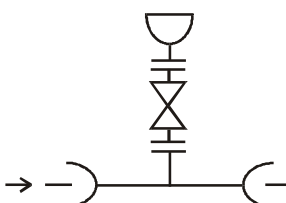
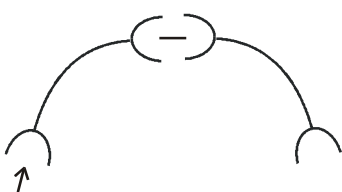
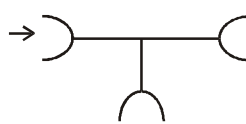
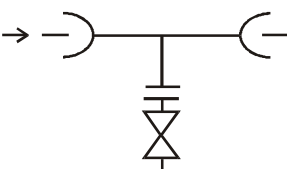
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
669	496+4,41 PN 16	C22JGS DN 200	1	
670	497+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
671	497+3,67 PN 16	C22JGS DN 200	1	
672	499+18,54 PN 16	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

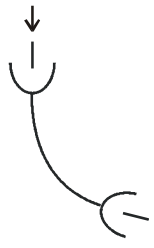
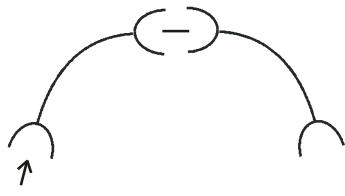
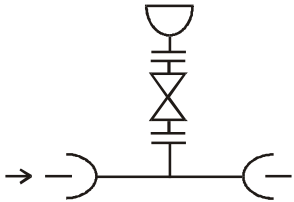
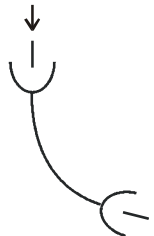
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
673	501+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
674	507+15,08 PN 16	C11JGS DN 200 C22JGS DN 200	1 1	
675	510+15,91 PN 16	TJGS DN 200x100	1	
676	520+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

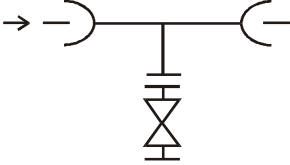
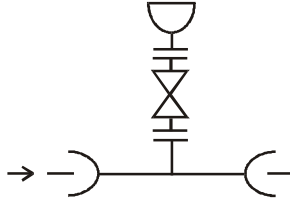
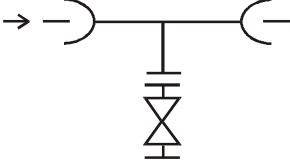
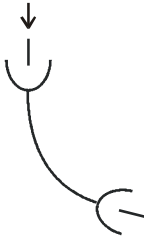
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
677	535+7,41 PN 16	C11JGS DN 200	1	
678	544+19,96 PN 16	C22JGS DN 200 C90JGS DN 200	1 1	
679	545+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
680	545+9,96 PN 16	C90JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

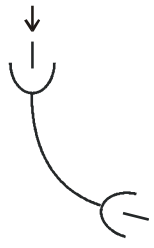
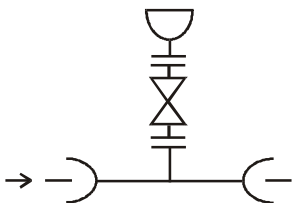
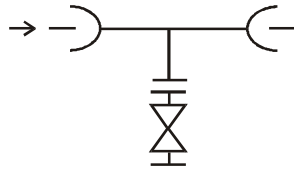
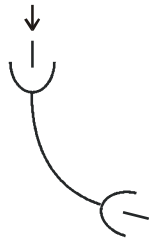
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
681	551+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
682	558+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
683	563+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
684	576+13,94 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

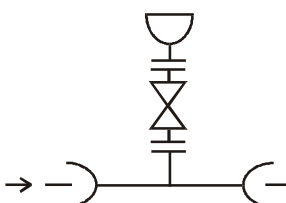
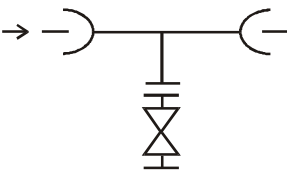
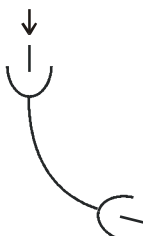
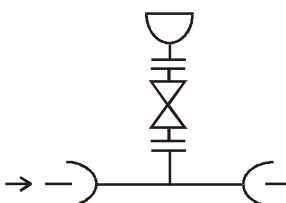
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
685	579+3,68 PN 16	C11JGS DN 200	1	
686	588+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
687	590+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
688	595+1,95 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

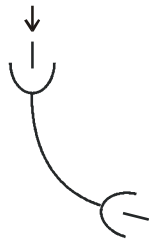
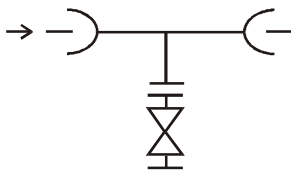
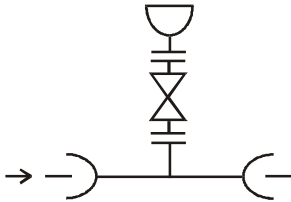
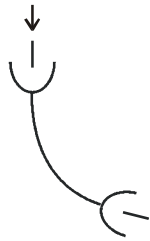
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
689	605+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
690	608+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
691	625+12,47 PN 16	C11JGS DN 200	1	
692	638+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

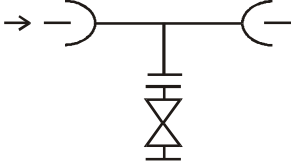
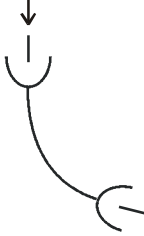
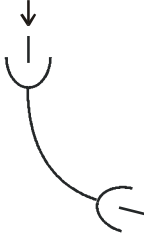
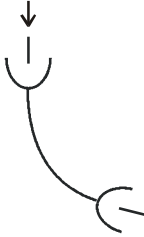
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
693	640+6,29 PN 16	C11JGS DN 200	1	
694	652+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
695	656+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
696	656+3,25 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

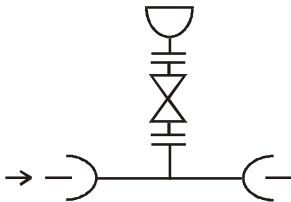
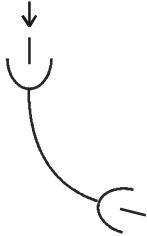
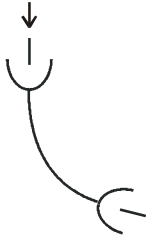
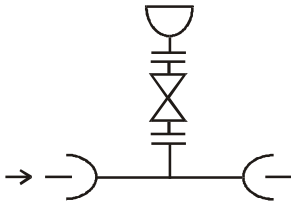
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
697	670+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
698	678+2,76 PN 16	C11JGS DN 200	1	
699	682+7,71 PN 16	C11JGS DN 200	1	
700	684+12,57 PN 16	C11JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

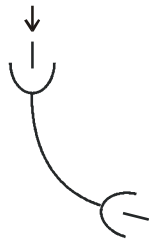
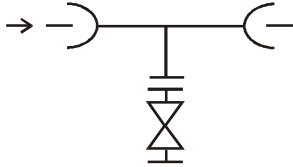
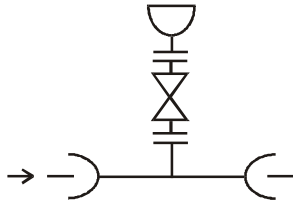
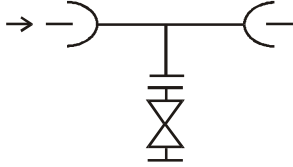
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
701	694+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
702	694+13,43 PN 16	C11JGS DN 200	1	
703	699+17,36 PN 16	C11JGS DN 200	1	
704	717+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

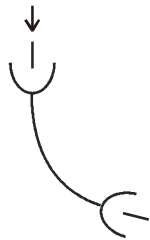
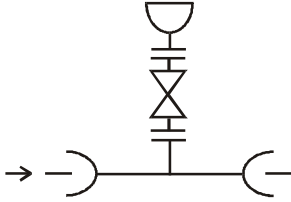
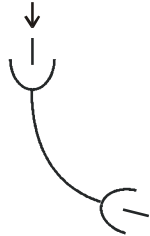
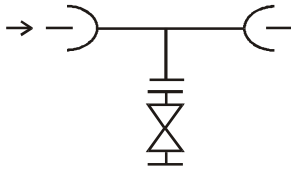
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
705	719+19,34 PN 16	C11JGS DN 200	1	
706	735+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
707	741+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
708	743+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
709	751+15,68 PN 16	C22JGS DN 200	1	
710	758+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
711	758+19,83 PN 16	C11JGS DN 200	1	
712	762+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

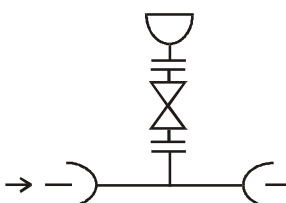
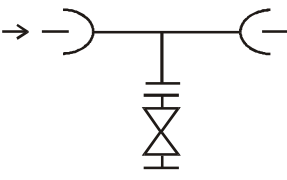
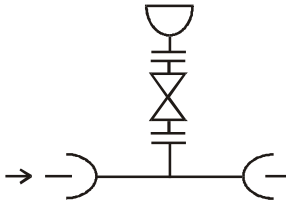
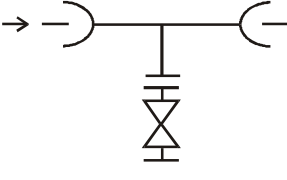
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
713	775+6,12 PN 16	C11JGS DN 200	1	
714	778+10,62 PN 16	C11JGS DN 200	1	
715	780+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
716	783+0,00 PN 16	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

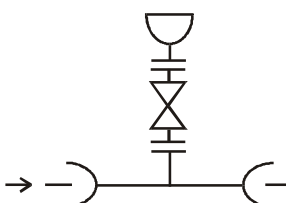
Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
717	815+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
718	842+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
719	844+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
720	849+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Estaca 813+0,00 a Reservatório de Santa Cruz

Ponto	Estaca	Discriminação	Quant.	Desenho
721	869+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	



6. Derivação para Uiraúna

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

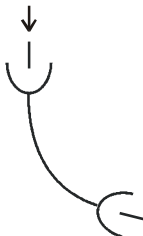
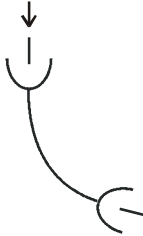
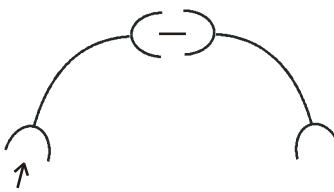
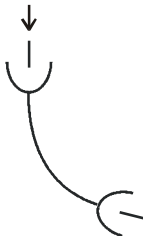
Trecho: Derivação para Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
1	303+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
2	326+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	
3	342+0,00 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 8 1	
4	342+2,91 PN 10	C22JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

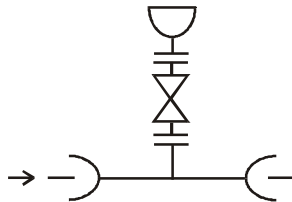
Trecho: Derivação para Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
5	344+15,84 PN 10	C22JGS DN 200	1	
6	346+18,88 PN 10	C11JGS DN 200	1	
7	371+6,52 PN 10	C11JGS DN 200 C45JGS DN 200	1 1	
8	372+11,89 PN 10	C45JGS DN 200	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Derivação para Uiraúna

Ponto	Estaca	Discriminação	Quant.	Desenho
9	374+13,19 PN 10	TJGSF10/16 DN 200 x 100 R23FC16 DN 100 VTF10/16 DN 100 PPF10/16 16x80 ABF/AAF DN 100	1 1 1 16 2	



7. Derivação para Vieirópolis

Detalhamento dos Nós
Projeto: Sistema Adutor Capivara
Trecho: Derivação para Vieirópolis

Ponto	Estaca	Discriminação	Quant.	Desenho
1	2+8,65 PN 16	C90JGS DN 100	1	
2	4+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 C90JGS DN 100 ABF/AAF DN 50	1 1 1 8 1 2	
3	6+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 C22JGS DN 100 C45JGS DN 100 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 1 4 1	
4	9+4,50 PN 16	C90JGS DN 100	1	

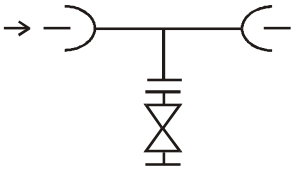
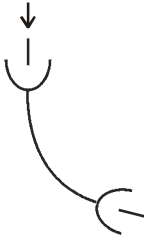
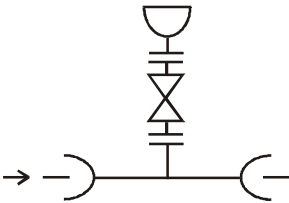
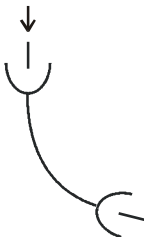


8. Derivação para Lastro

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

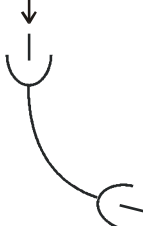
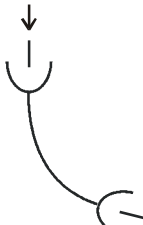
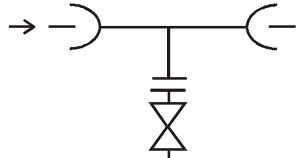
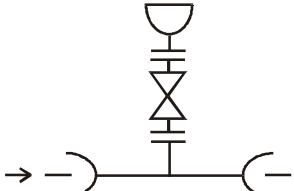
Trecho: Derivação para Lastro

Ponto	Estaca	Discriminação	Quant.	Desenho
1	794+0,00 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 PPF10/16 16x80 ABF/AAF DN 80	1 1 8 1	
2	808+2,35 PN 10	C11JGS DN 150	1	
3	826+0,00 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 VTF10/16 DN 80 PPF10/16 16x80 ABF/AAF DN 80	1 1 1 16 2	
4	832+3,15 PN 10	C11JGS DN 150	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Derivação para Lastro

Ponto	Estaca	Discriminação	Quant.	Desenho
5	834+8,79 PN 10	C11JGS DN 150	1	
6	836+14,24 PN 10	C11JGS DN 150	1	
7	842+0,00 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 PPF10/16 16x80 ABF/AAF DN 80	1 1 8 1	
8	854+0,00 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 VTF10/16 DN 80 PPF10/16 16x80 ABF/AAF DN 80	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Derivação para Lastro

Ponto	Estaca	Discriminação	Quant.	Desenho
9	858+0,00 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 C11JGS DN 150 PPF10/16 16x80 ABF/AAF DN 80	1 1 1 8 1	
10	859+0,00 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 VTF10/16 DN 80 PPF10/16 16x80 ABF/AAF DN 80	1 1 1 16 2	
11	861+15,62 PN 10	C11JGS DN 150	1	
12	871+14,05 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 PPF10/16 16x80 ABF/AAF DN 80	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

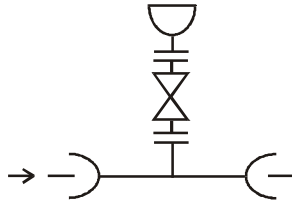
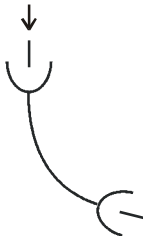
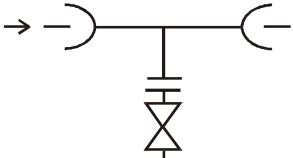
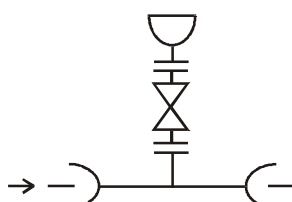
Trecho: Derivação para Lastro

Ponto	Estaca	Discriminação	Quant.	Desenho
13	873+14,74 PN 10	C22JGS DN 150	1	
14	875+7,53 PN 10	C22JGS DN 150	1	
15	876+8,69 PN 10	C11JGS DN 150	1	
16	877+12,27 PN 10	C11JGS DN 150	1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: Derivação para Lastro

Ponto	Estaca	Discriminação	Quant.	Desenho
17	878+0,00 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 VTF10/16 DN 80 PPF10/16 16x80 ABF/AAF DN 80	1 1 1 16 2	
18	878+15,82 PN 10	C11JGS DN 150	1	
19	884+12,30 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 PPF10/16 16x80 ABF/AAF DN 80	1 1 8 1	
20	886+0,00 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 VTF10/16 DN 80 PPF10/16 16x80 ABF/AAF DN 80	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

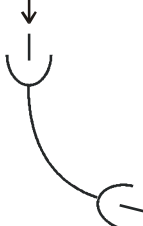
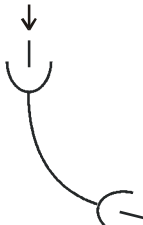
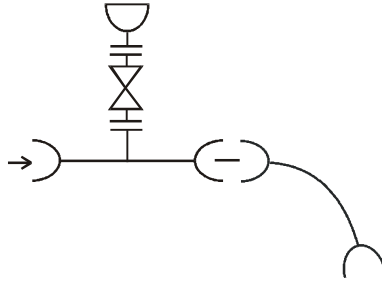
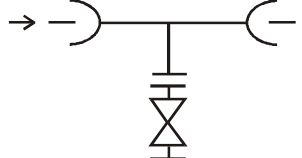
Trecho: Derivação para Lastro

Ponto	Estaca	Discriminação	Quant.	Desenho
21	898+0,00 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 PPF10/16 16x80 ABF/AAF DN 80	1 1 8 1	
22	900+0,00 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 VTF10/16 DN 80 PPF10/16 16x80 ABF/AAF DN 80	1 1 1 16 2	
23	902+16,05 PN 10	C11JGS DN 150	1	
24	904+0,00 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 PPF10/16 16x80 ABF/AAF DN 80	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

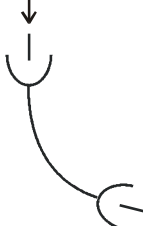
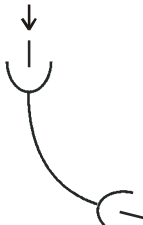
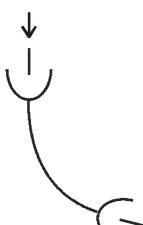
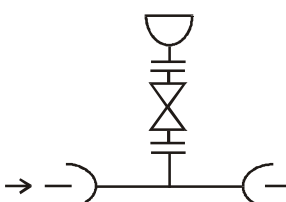
Trecho: Derivação para Lastro

Ponto	Estaca	Discriminação	Quant.	Desenho
25	904+8,27 PN 10	C11JGS DN 150	1	
26	907+13,09 PN 10	C11JGS DN 150	1	
27	914+0,00 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 VTF10/16 DN 80 PPF10/16 16x80 C22JGS DN 150 ABF/AAF DN 80	1 1 1 16 1 2	
28	923+0,00 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 PPF10/16 16x80 ABF/AAF DN 80	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

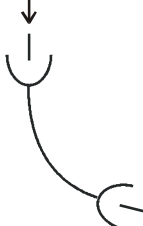
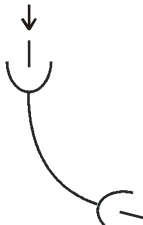
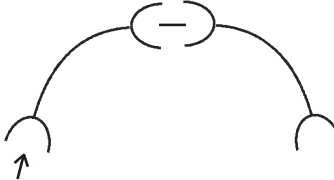
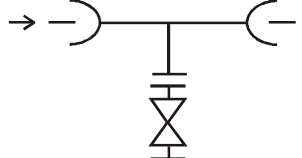
Trecho: Derivação para Lastro

Ponto	Estaca	Discriminação	Quant.	Desenho
29	930+7,89 PN 10	C11JGS DN 150	1	
30	935+0,97 PN 10	C90JGS DN 150	1	
31	937+4,89 PN 10	C90JGS DN 150	1	
32	942+0,00 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 VTF10/16 DN 80 PPF10/16 16x80 ABF/AAF DN 80	1 1 1 16 2	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

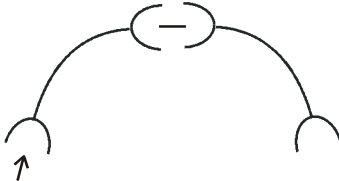
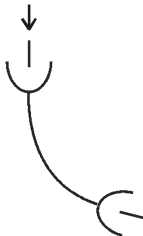
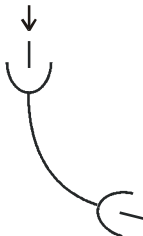
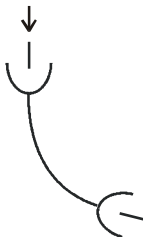
Trecho: Derivação para Lastro

Ponto	Estaca	Discriminação	Quant.	Desenho
33	947+0,01 PN 10	C11JGS DN 150	1	
34	950+3,85 PN 10	C90JGS DN 150	1	
35	951+13,04 PN 10	C45JGS DN 150 C22JGS DN 150	1 1	
36	956+0,00 PN 10	TJGSF10/16 DN 150 x 80 R23FC16 DN 80 PPF10/16 16x80 ABF/AAF DN 80	1 1 8 1	

Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

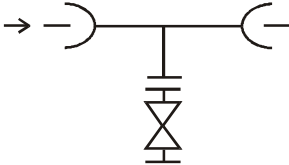
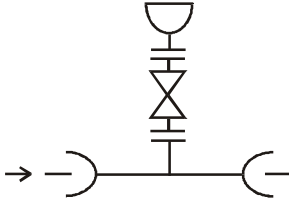
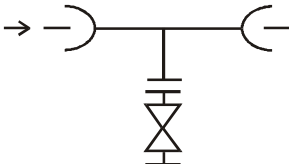
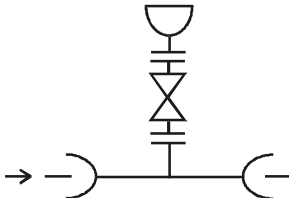
Trecho: Derivação para Lastro

Ponto	Estaca	Discriminação	Quant.	Desenho
37	964+9,49 PN 10	C11JGS DN 150 C22JGS DN 150	1 1	
38	966+18,80 PN 10	C11JGS DN 150	1	
39	969+6,12 PN 10	C11JGS DN 150	1	
40	973+2,11 PN 10	C22JGS DN 150	1	



9. Derivação para São Pedro

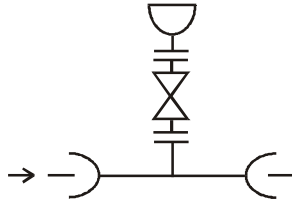
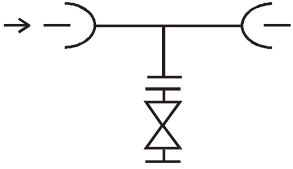
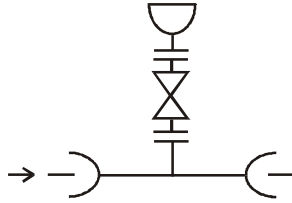
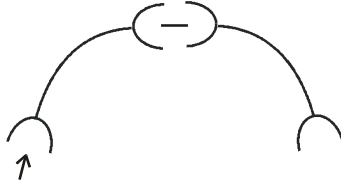
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Pedro**

Ponto	Estaca	Discriminação	Quant.	Desenho
1	3+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
2	8+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
3	16+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
4	19+15,45 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	

Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Pedro**

Ponto	Estaca	Discriminação	Quant.	Desenho
5	22+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
6	29+5,36 PN 16	C11JGS DN 100	1	
7	30+8,00 PN 16	C11JGS DN 100	1	
8	31+9,09 PN 16	C11JGS DN 100	1	

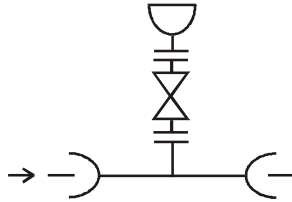
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Pedro**

Ponto	Estaca	Discriminação	Quant.	Desenho
9	33+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
10	39+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
11	41+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
12	43+17,78 PN 16	C45JGS DN 100 C22JGS DN 100	1 1	

Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Pedro**

Ponto	Estaca	Discriminação	Quant.	Desenho
13	52+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
14	75+12,22 PN 16	C90JGS DN 100	1	
15	77+3,01 PN 16	C90JGS DN 100	1	
16	78+9,50 PN 16	C90JGS DN 100	1	

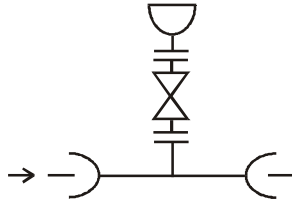
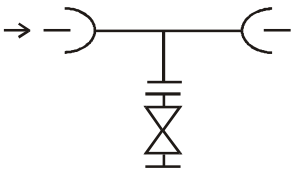
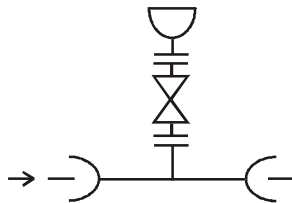
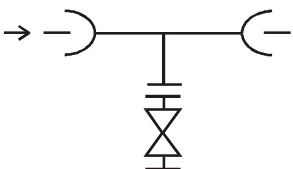
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Pedro**

Ponto	Estaca	Discriminação	Quant.	Desenho
17	80+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	

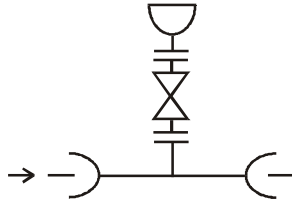
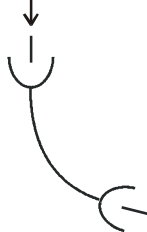
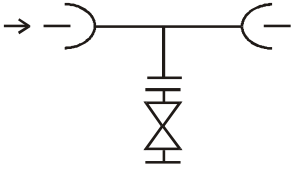
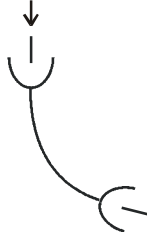


10. Derivação para São Francisco

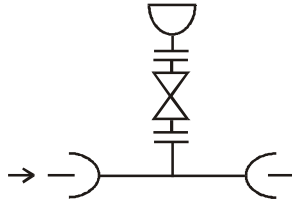
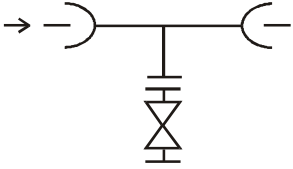
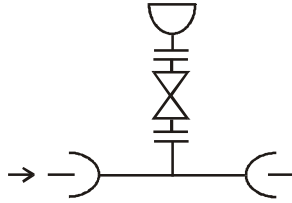
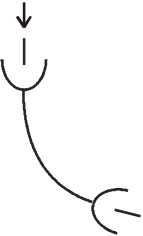
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
1	2+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
2	7+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
3	13+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
4	17+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	

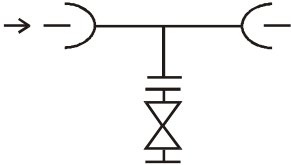
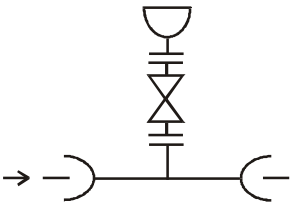
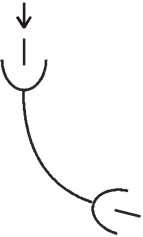
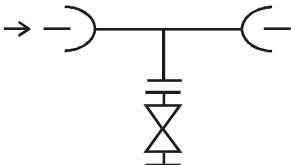
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
5	24+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
6	31+3,61 PN 16	C11JGS DN 100	1	
7	32+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
8	36+6,88 PN 16	C11JGS DN 100	1	

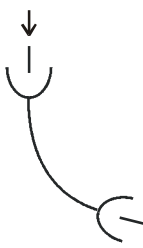
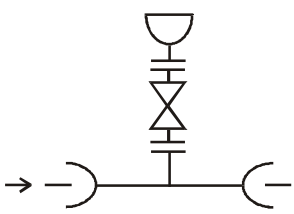
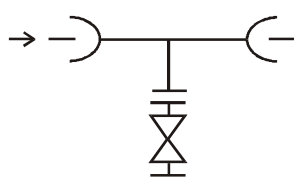
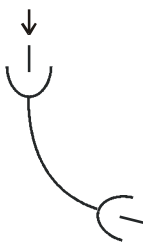
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
9	37+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
10	44+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
11	47+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
12	53+18,89 PN 16	C11JGS DN 100	1	

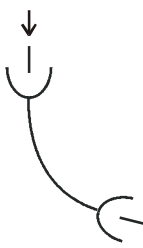
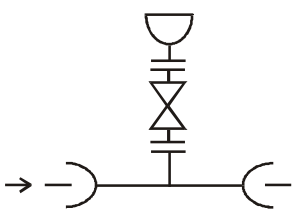
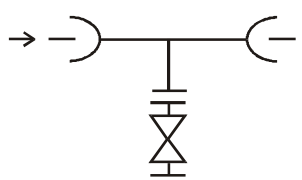
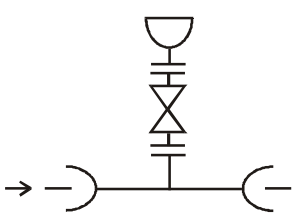
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
13	62+11,19 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
14	65+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
15	67+13,69 PN 16	C22JGS DN 100	1	
16	71+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	

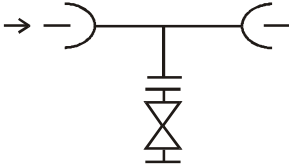
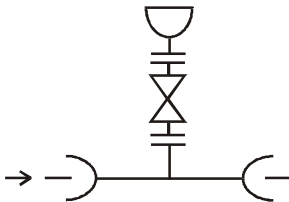
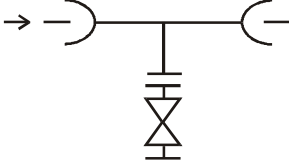
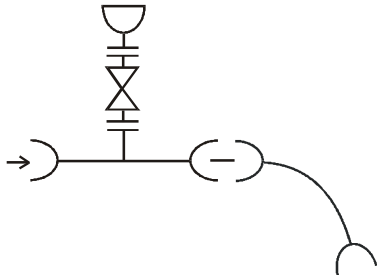
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
17	71+7,18 PN 16	C11JGS DN 100	1	
18	79+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
19	87+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
20	88+19,72 PN 16	C11JGS DN 100	1	

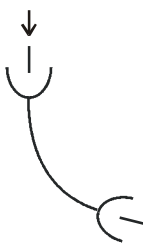
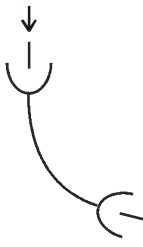
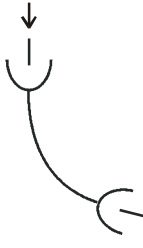
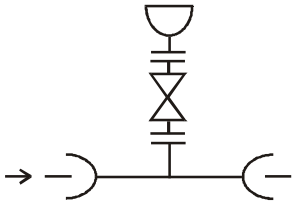
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
21	90+4,44 PN 16	C11JGS DN 100	1	
22	98+10,73 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
23	107+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
24	109+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	

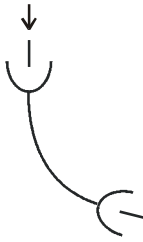
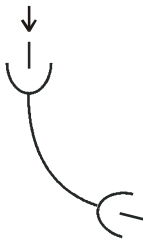
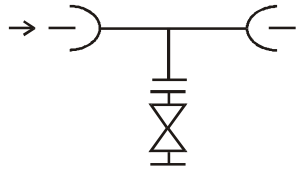
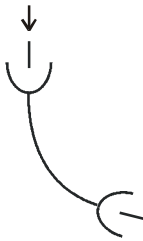
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
25	131+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
26	135+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
27	138+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
28	142+17,01 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 C90JGS DN 100 ABF/AAF DN 50	1 1 1 8 1 2	

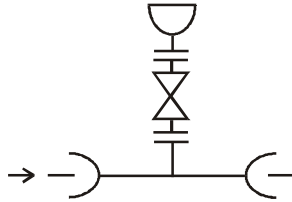
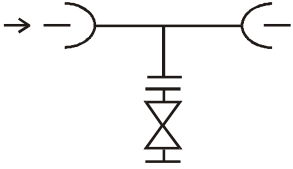
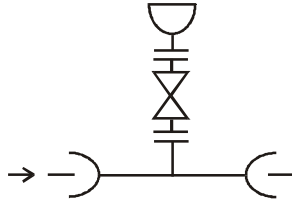
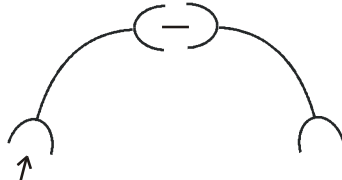
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
29	143+7,52 PN 16	C90JGS DN 100	1	
30	162+11,63 PN 16	C11JGS DN 100	1	
31	164+12,33 PN 16	C11JGS DN 100	1	
32	165+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	

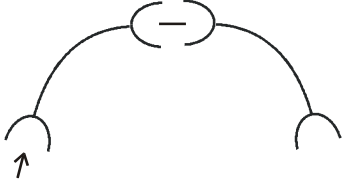
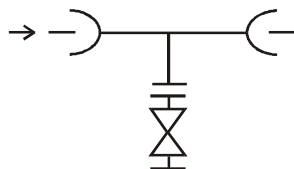
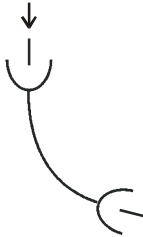
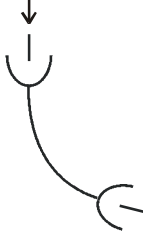
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
33	168+7,30 PN 16	C11JGS DN 100	1	
34	171+16,15 PN 16	C11JGS DN 100	1	
35	176+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
36	185+2,59 PN 16	C22JGS DN 100	1	

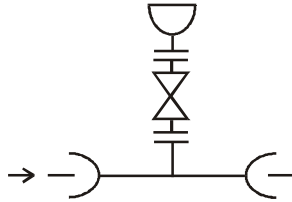
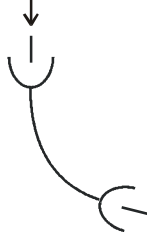
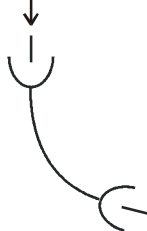
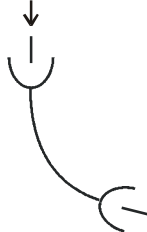
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
37	186+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
38	189+10,90 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
39	192+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
40	193+17,06 PN 16	C11JGS DN 100 C22JGS DN 100	1 1	

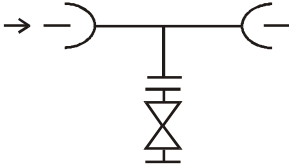
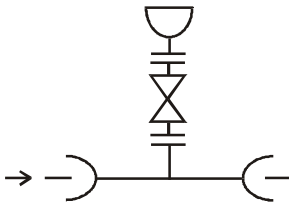
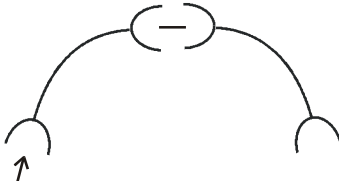
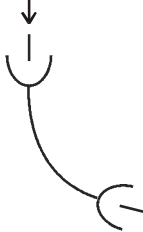
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
41	196+12,05 PN 16	C11JGS DN 100 C22JGS DN 100	1 1	
42	209+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
43	210+7,66 PN 16	C22JGS DN 100	1	
44	212+18,10 PN 16	C22JGS DN 100	1	

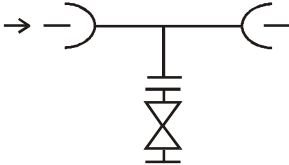
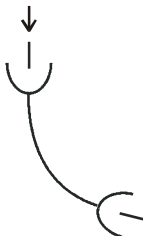
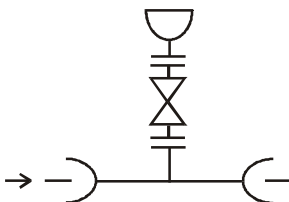
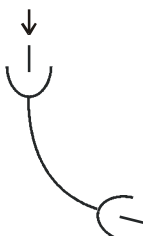
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
45	216+12,50 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
46	218+0,85 PN 16	C11JGS DN 100	1	
47	221+9,07 PN 16	C11JGS DN 100	1	
48	225+0,00 PN 16	C11JGS DN 100	1	

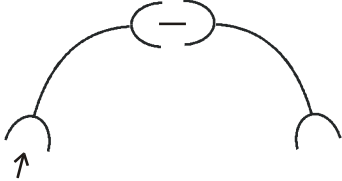
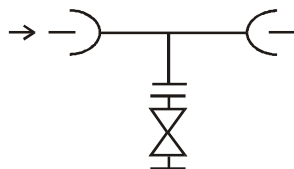
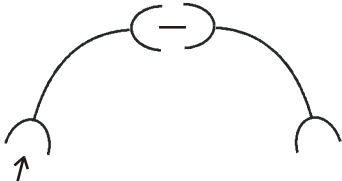
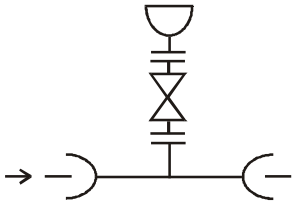
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
49	227+3,43 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
50	234+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
51	240+2,40 PN 16	C11JGS DN 100 C22JGS DN 100	1 1	
52	243+2,42 PN 16	C11JGS DN 100	1	

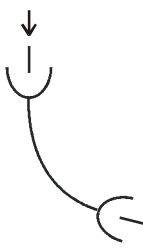
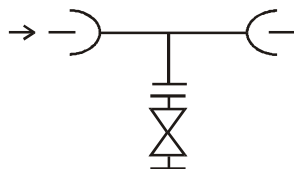
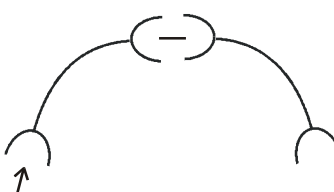
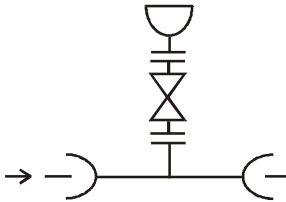
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
53	249+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
54	254+17,67 PN 16	C11JGS DN 100	1	
55	256+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
56	259+11,42 PN 16	C11JGS DN 100	1	

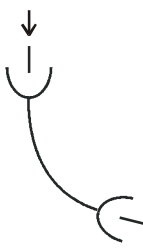
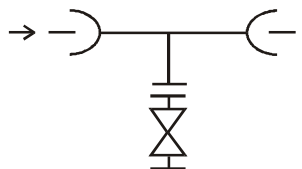
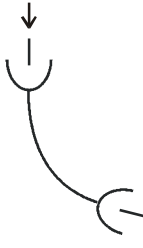
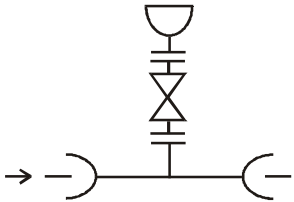
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
57	262+4,97 PN 16	C11JGS DN 100 C22JGS DN 100	1 1	
58	262+12,56 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
59	265+9,48 PN 16	C11JGS DN 100 C22JGS DN 100	1 1	
60	266+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	

Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
61	272+4,06 PN 16	C22JGS DN 100	1	
62	273+5,61 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
63	274+18,15 PN 16	C11JGS DN 100 C22JGS DN 100	1 1	
64	275+8,05 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	

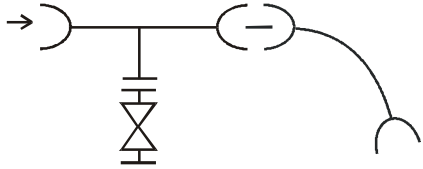
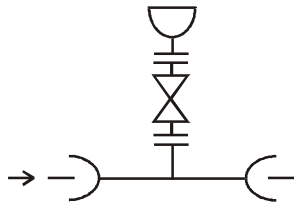
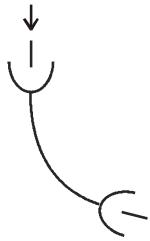
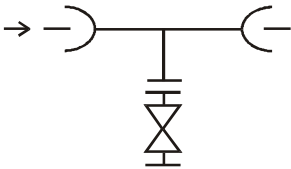
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
65	280+18,23 PN 16	C22JGS DN 100	1	
66	284+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
67	284+10,89 PN 16	C11JGS DN 100	1	
68	287+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	

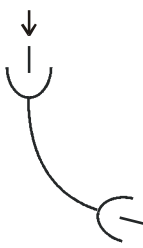
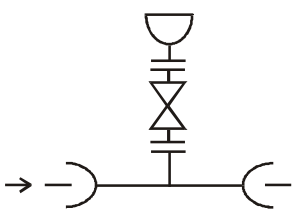
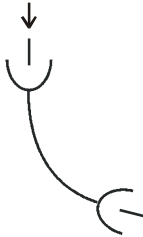
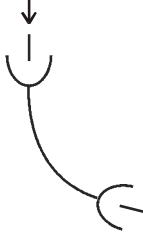
Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

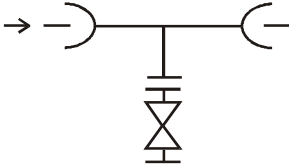
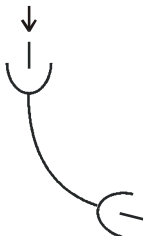
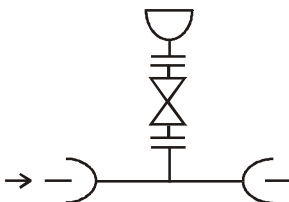
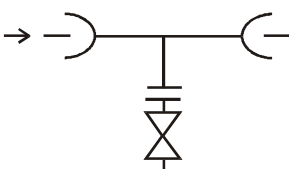
Trecho: Derivação para São Francisco

Ponto	Estaca	Discriminação	Quant.	Desenho
69	290+8,14 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 C22JGS DN 100 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 4 1	
70	292+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
71	292+17,44 PN 16	C11JGS DN 100	1	
72	298+11,82 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	

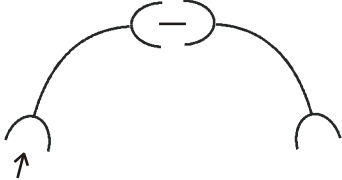
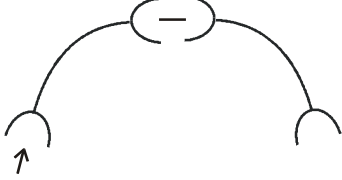
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
73	299+9,68 PN 16	C22JGS DN 100	1	
74	300+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
75	302+3,40 PN 16	C11JGS DN 100	1	
76	303+6,42 PN 16	C22JGS DN 100	1	

Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
77	309+0,00 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
78	309+6,39 PN 16	C11JGS DN 100	1	
79	312+10,83 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
80	313+11,95 PN 16	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	

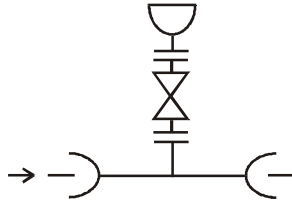
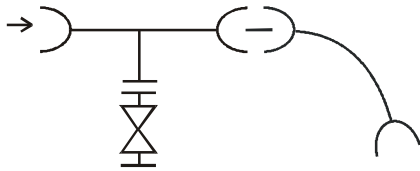
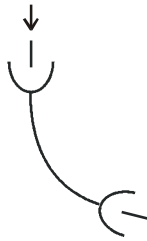
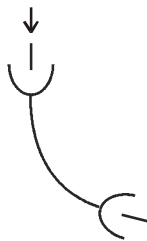
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: Derivação para São Francisco**

Ponto	Estaca	Discriminação	Quant.	Desenho
81	315+10,51 PN 16	C11JGS DN 100 C45JGS DN 100	1 1	
82	330+3,51 PN 16	C11JGS DN 100 C22JGS DN 100	1 1	

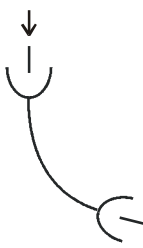
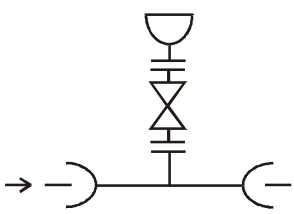
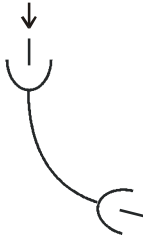
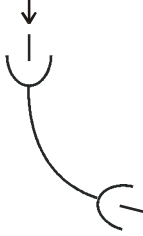


11. EB-1/1 a Poço de José de Moura

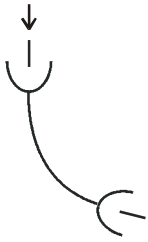
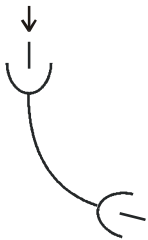
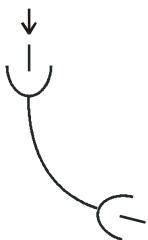
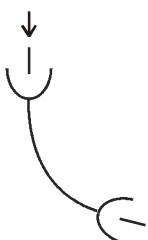
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
1	0+13,01 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
2	4+4,53=10 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 C90JGS DN 100 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 4 1	
3	15+17,45 PN 10	C11JGS DN 100	1	
4	19+5,09 PN 10	C22JGS DN 100	1	

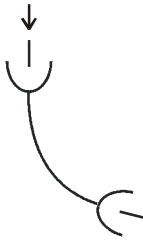
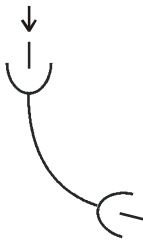
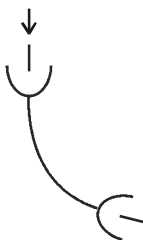
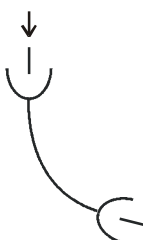
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
5	24+2,69 PN 10	C11JGS DN 100	1	
6	40+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
7	41+6,15 PN 10	C22JGS DN 100	1	
8	42+10,06 PN 10	C22JGS DN 100	1	

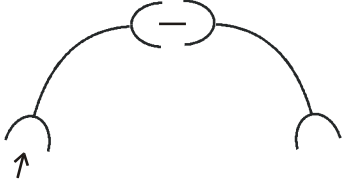
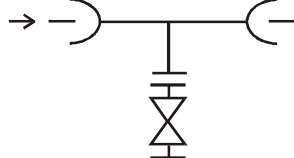
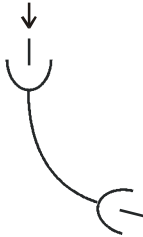
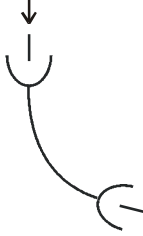
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
9	43+10,33 PN 10	C22JGS DN 100	1	
10	44+9,62 PN 10	C11JGS DN 100	1	
11	48+6,59 PN 10	C11JGS DN 100	1	
12	49+2,84 PN 10	C11JGS DN 100	1	

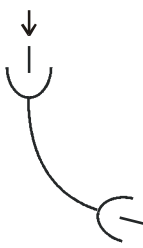
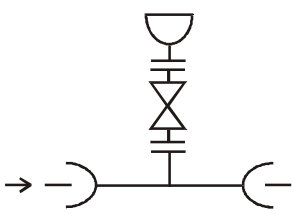
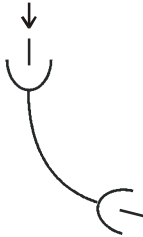
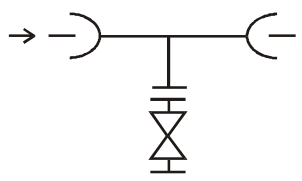
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
13	50+1,03 PN 10	C22JGS DN 100	1	
14	50+19,26 PN 10	C11JGS DN 100	1	
15	51+19,44 PN 10	C11JGS DN 100	1	
16	55+13,08 PN 10	C11JGS DN 100	1	

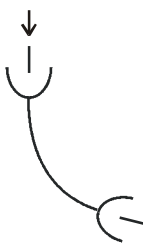
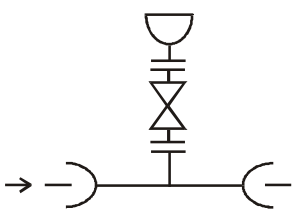
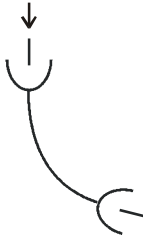
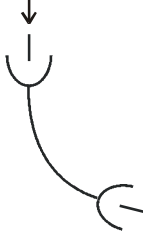
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
17	57+8,00 PN 10	C11JGS DN 100 C22JGS DN 100	1 1	
18	58+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
19	60+5,29 PN 10	C11JGS DN 100	1	
20	66+0,88 PN 10	C11JGS DN 100	1	

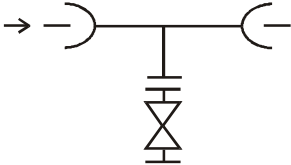
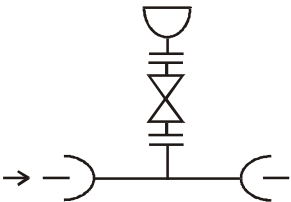
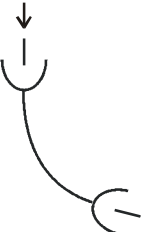
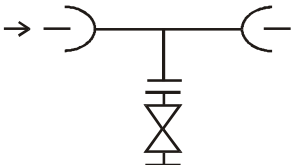
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
21	67+16,56 PN 10	C11JGS DN 100	1	
22	78+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
23	78+12,85 PN 10	C11JGS DN 100	1	
24	85+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	

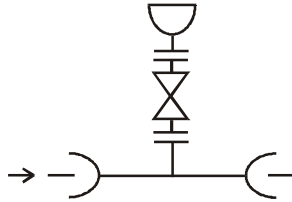
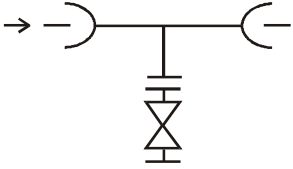
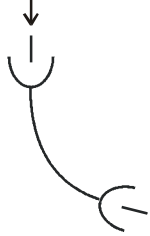
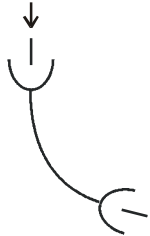
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
25	86+17,26 PN 10	C11JGS DN 100	1	
26	87+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
27	87+5,31 PN 10	C11JGS DN 100	1	
28	105+2,86 PN 10	C11JGS DN 100	1	

Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
29	113+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
30	127+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
31	129+10,89 PN 10	C22JGS DN 100	1	
32	135+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	

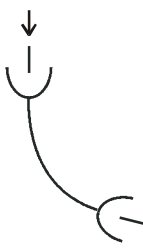
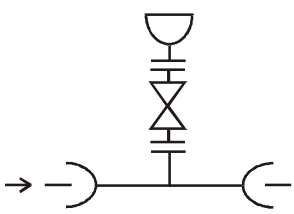
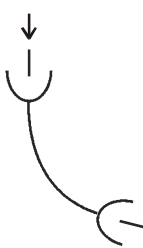
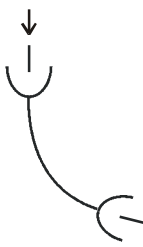
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
33	139+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
34	144+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
35	144+14,41 PN 10	C11JGS DN 100	1	
36	150+2,16 PN 10	C22JGS DN 100	1	

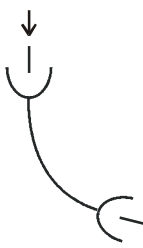
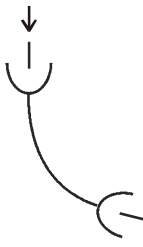
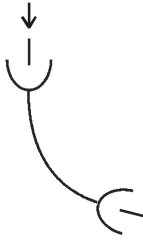
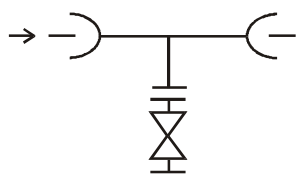
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
37	159+2,05 PN 10	C11JGS DN 100	1	
38	164+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 C11JGS DN 100 ABF/AAF DN 50	1 1 1 8 1 2	
39	166+5,65 PN 10	C11JGS DN 100	1	
40	172+14,22 PN 10	C11JGS DN 100	1	

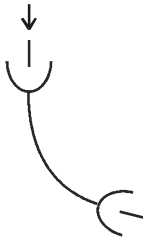
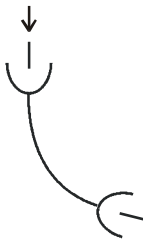
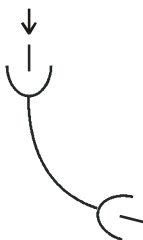
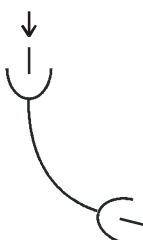
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
41	181+13,38 PN 10	C22JGS DN 100	1	
42	184+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
43	185+4,24 PN 10	C22JGS DN 100	1	
44	186+4,16 PN 10	C22JGS DN 100	1	

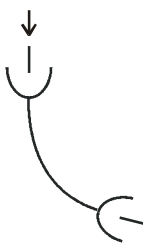
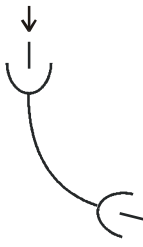
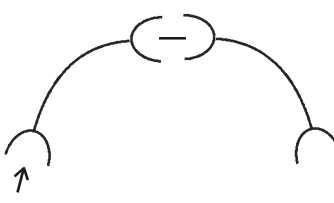
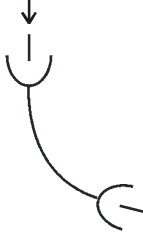
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
45	187+2,23 PN 10	C22JGS DN 100	1	
46	188+2,21 PN 10	C11JGS DN 100	1	
47	189+15,85 PN 10	C11JGS DN 100	1	
48	192+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	

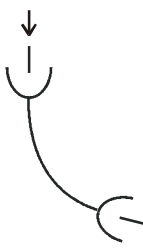
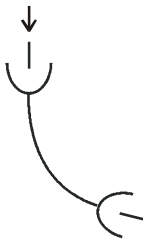
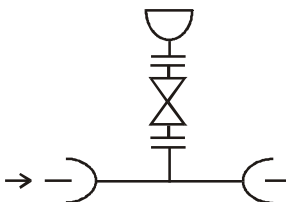
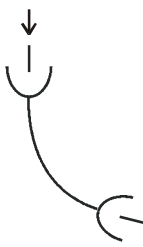
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
49	192+19,16 PN 10	C11JGS DN 100	1	
50	194+19,13 PN 10	C22JGS DN 100	1	
51	197+4,53 PN 10	C11JGS DN 100	1	
52	198+8,10 PN 10	C22JGS DN 100	1	

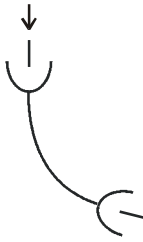
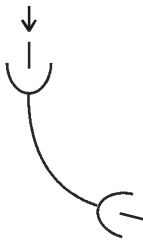
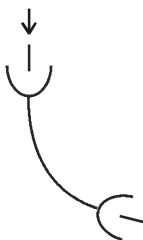
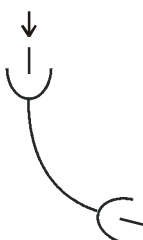
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
53	199+5,75 PN 10	C11JGS DN 100	1	
54	201+9,36 PN 10	C11JGS DN 100	1	
55	203+5,18 PN 10	C11JGS DN 100 C22JGS DN 100	1 1	
56	214+19,54 PN 10	C11JGS DN 100	1	

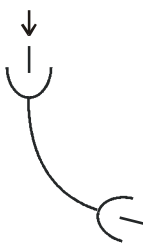
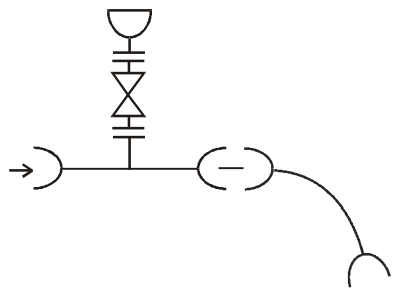
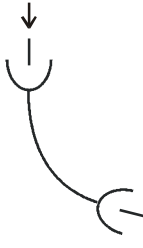
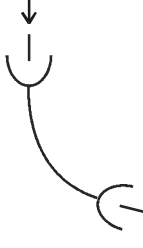
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
57	224+5,46 PN 10	C11JGS DN 100	1	
58	227+16,77 PN 10	C11JGS DN 100	1	
59	228+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
60	229+5,99 PN 10	C11JGS DN 100	1	

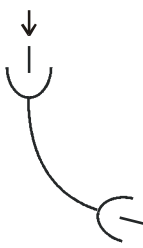
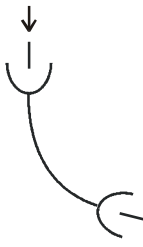
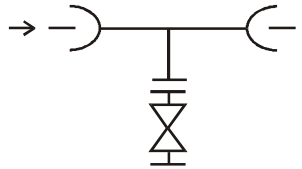
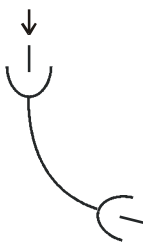
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
61	231+5,87 PN 10	C11JGS DN 100	1	
62	236+3,34 PN 10	C11JGS DN 100	1	
63	237+17,66 PN 10	C11JGS DN 100	1	
64	243+3,90 PN 10	C11JGS DN 100	1	

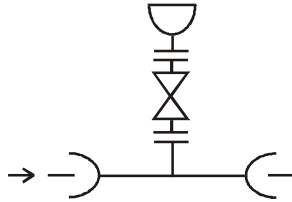
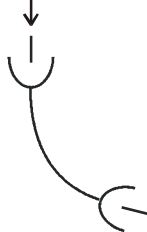
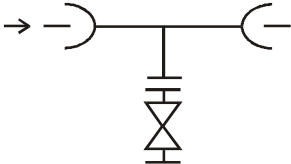
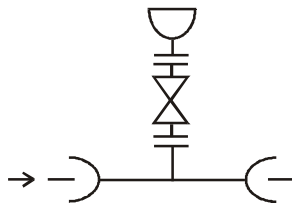
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
65	244+16,09 PN 10	C22JGS DN 100	1	
66	248+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 C11JGS DN 100 ABF/AAF DN 50	1 1 1 8 1 2	
67	249+2,66 PN 10	C22JGS DN 100	1	
68	250+3,49 PN 10	C11JGS DN 100	1	

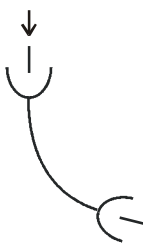
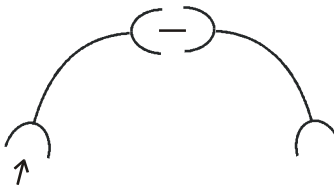
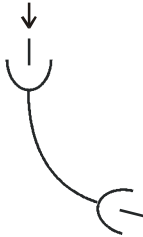
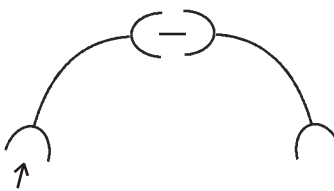
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
69	251+14,94 PN 10	C11JGS DN 100	1	
70	257+3,60 PN 10	C11JGS DN 100	1	
71	274+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
72	274+10,09 PN 10	C11JGS DN 100	1	

Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
73	276+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	
74	276+15,79 PN 10	C11JGS DN 100	1	
75	287+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
76	292+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	

Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
77	298+2,22 PN 10	C45JGS DN 100	1	
78	310+13,01 PN 10	C11JGS DN 100 C22JGS DN 100	1 1	
79	311+5,35 PN 10	C22JGS DN 100	1	
80	319+17,90 PN 10	C22JGS DN 100 C45JGS DN 100	1 1	

Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
81	340+19,65 PN 10	C22JGS DN 100	1	
82	344+3,11 PN 10	C11JGS DN 100	1	
83	345+11,86 PN 10	C22JGS DN 100	1	
84	347+13,10 PN 10	C11JGS DN 100	1	

Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
85	360+18,11 PN 10	C22JGS DN 100	1	
86	365+6,79 PN 10	C22JGS DN 100	1	
87	368+3,10 PN 10	C11JGS DN 100	1	
88	369+12,28 PN 10	C11JGS DN 100	1	

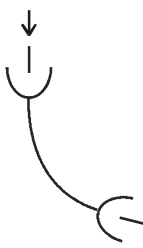
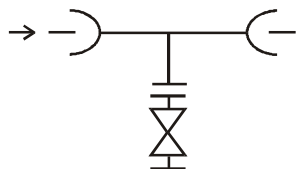
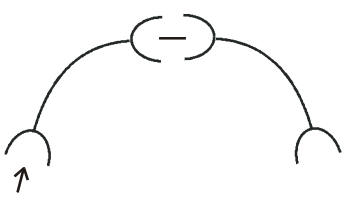
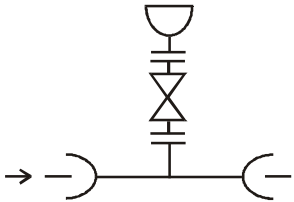
Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
89	374+10,78 PN 10	C11JGS DN 100 C22JGS DN 100	1 1	
90	378+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
91	385+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 C11JGS DN 100 C22JGS DN 100 ABF/AAF DN 50	1 1 1 8 1 1 2	
92	387+0,00 PN 10	C11JGS DN 100	1	

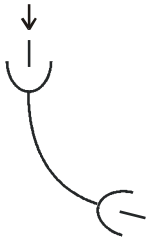
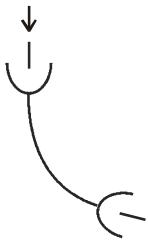
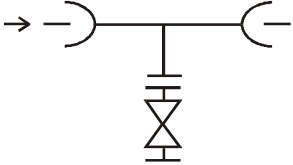
Detalhamento dos Nós

Projeto: Sistema Adutor Capivara

Trecho: EB1/1 a Poço de José de Moura

Ponto	Estaca	Discriminação	Quant.	Desenho
93	390+15,17 PN 10	C22JGS DN 100	1	
94	401+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
95	406+13,92 PN 10	C11JGS DN 100 C45JGS DN 100	1 1	
96	409+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 VTF25 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 1 8 2	

Detalhamento dos Nós**Projeto: Sistema Adutor Capivara****Trecho: EB1/1 a Poço de José de Moura**

Ponto	Estaca	Discriminação	Quant.	Desenho
97	422+9,12 PN 10	C90JGS DN 100	1	
98	423+17,24 PN 10	C11JGS DN 100	1	
99	426+0,00 PN 10	TJGSF10/16 DN 100 x 50 R23FC16 DN 50 PPF10/16 16x80 ABF/AAF DN 50	1 1 4 1	
100	431+13,16 PN 10	C11JGS DN 100	1	