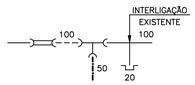
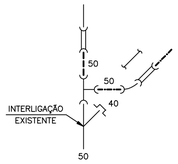
SETOR ZONA NORTE - ANO 2015

N553



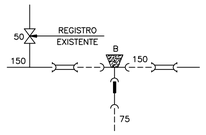
01 T PVC JE BBB DN100x50
01 LCR PVC JE DN100
01 K SOLDÁVEL PVC DN20

N479



01 T PVC JE BBB DN50
02 LCR PVC JE DN50
01 C PVC JE PB 45° DN50
01 K SOLDÁVEL PVC DN40

N491

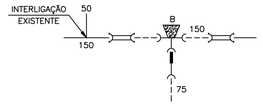


01 T F*F* JE BBB DN150x80
02 LCR F*F JM DN150
01 AD PVC JExF*F* BP DN75x80

N1848a

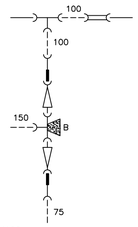
01 LCR PVC JE DN50
01 C PVC JE PB 45° DN50

N1075



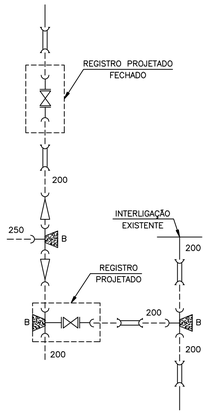
01 T F*F* JE BBB DN150x80
02 LCR F*F JM DN150
01 AD PVC JExF*F* BP DN75x80

N476



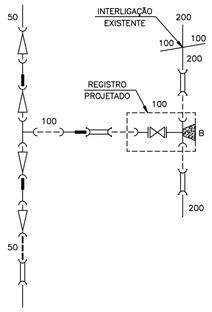
01 T PVC JE BBB DN100
01 T F*F* JE BBB DN150
01 LCR PVC JE DN100
01 RD F*F* JE PB DN150X100
01 RD F*F* JE PB DN150X80
01 AD PVC JExF*F* BP DN75x80
01 AD PVC JExF*F* BP DN100x100

N436 ≅ N1908 ≅ N1031



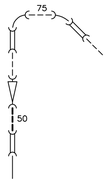
01 T F*F* JE BBB DN200
01 T F*F* JE BBF DN200
01 T F*F* JE BBB DN250
05 LCR F*F* JM DN200
02 RD F*F* JE PB DN250x200
03 E F*F* JE FB DN200
02 REG. F*F* C/CUNHA DE BORRACHA DN200

N600 ≅ N1641



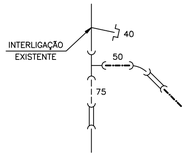
01 T F*F* JE BBF DN200x100
01 T PVC JE BBB DN100
01 LCR PVC JE DN50
01 LCR F*F* JM DN100
02 LCR F*F* JM DN200
02 RD F*F* JE PB DN150X80
02 RD PVC JE PB DN75X50
01 E F*F* JE FB DN100
02 AD PVC JExF*F* BP DN75x80
01 AD PVC JExF*F* BP DN100x100
01 REG. F*F* C/ CUNHA DE BORRACHA DN100

N2308



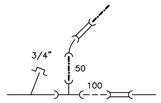
01 LCR PVC JE DN50
02 LCR PVC JE DN75
01 C PVC JE PB 45° DN75
01 C PVC JE PB 90° DN75
01 RD PVC JE BB DN75x50

N483



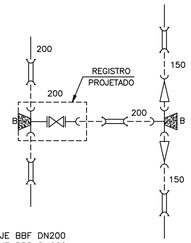
01 T PVC JE BBB DN75x50
01 LCR PVC JE DN50
01 LCR PVC JE DN75
01 C PVC JE PB 45° DN50
01 K SOLDÁVEL PVC DN40

N493



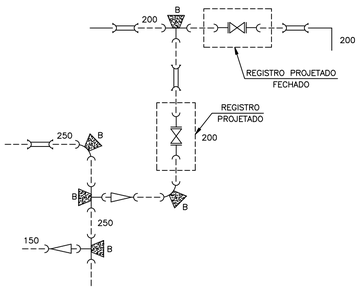
01 T PVC JE BBB DN100x50
01 LCR PVC JE DN50
01 LCR PVC JE DN100
01 C PVC JE PB 45° DN50
01 K PVC ROSCÁVEL DN3/4"

N2227 ≅ N2228



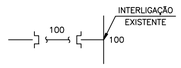
01 T F*F* JE BBF DN200
01 T F*F* JE BBB DN200
03 LCR F*F* JM DN200
02 LCR F*F* JM DN150
02 RD F*F* JE PB DN200X150
01 E F*F* JE FB DN200
01 REG. F*F* C/ CUNHA DE BORRACHA DN200

N2344 ≅ N2345 ≅ N1639



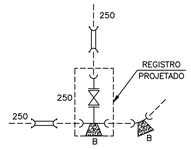
01 T F*F* JE BBB DN200
02 T F*F* JE BBB DN250
03 LCR F*F* JM DN200
02 LCR F*F* JM DN250
01 C F*F* JE BB 90° DN200
01 C F*F* JE BB 90° DN250
01 RD F*F* JE PB DN250x200
01 RD F*F* JE PB DN250x150
04 E F*F* JE FB DN200
02 REG. F*F* C/CUNHA DE BORRACHA DN200

N1729 ≅ N573



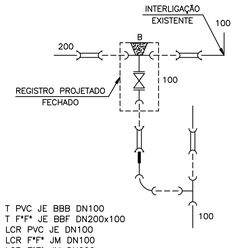
02 K PVC JE DN100

N1795



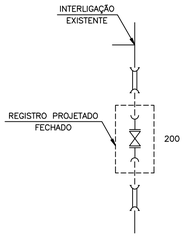
01 T F*F* JE BBF DN250
02 LCR F*F* JM DN250
01 C F*F* JE BB 45° DN250
01 E F*F* JE FB DN250
01 REG. F*F* FF C/ CUNHA DE BORRACHA DN250

N803 ≅ N340



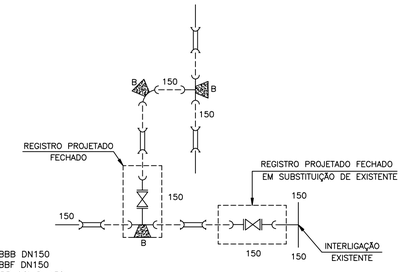
01 T PVC JE BBB DN100
01 T F*F* JE BBF DN200x100
01 LCR PVC JE DN100
01 LCR F*F* JM DN100
02 LCR F*F* JM DN200
01 C PVC JE PB 90° DN100
01 E F*F* JE FB DN100
01 AD PVC JExF*F* BP DN100x100
01 REG. F*F* C/ CUNHA DE BORRACHA DN100

N1778 ≅ N69



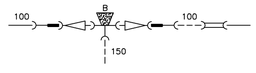
02 LCR F*F* JM DN200
01 E F*F* JE FB DN200
01 REG. F*F* FF C/ CUNHA DE BORRACHA DN200

N52 ≅ N813



01 T F*F* JE BBB DN150
01 T F*F* JE BBF DN150
01 C F*F* JE BB 90° DN150
05 LCR F*F* JM DN150
03 E F*F* JE FB DN150
02 REG. F*F* FF C/ CUNHA DE BORRACHA DN150

N568/N571/N2013/N1744/N1742/N1782



01 T F*F* JE BBB DN150
01 LCR PVC JE DN100
02 RD F*F* JE PB DN150x100
02 AD PVC JExF*F* BP DN100x100

LEGENDA

- REDE PROJETADA-2015
- REDE EM SUBSTITUIÇÃO
- DN 50 mm
- DN 75 mm
- DN 100 mm
- DN 150 mm
- DN ≥ 200 mm
- REDE EXISTENTE
- REDE A SER DESATIVADA
- CAIXA PARA PROTEÇÃO/MANUTENÇÃO
- BLOCOS DE ANCORAGEM

NOTAS

1. PRESSÃO DE SERVIÇO PARA DIMENSIONAMENTO DOS BLOCOS DE ANCORAGEM: A=30mca, B=50mca, C=70mca, D=90mca, E=100mca.

ESTE DESENHO É PROPRIEDADE DA COMPANHIA ESPÍRITO SANTENSE DE SANEAMENTO – CESAN E NÃO PODE SER COPIADO SEM SUA AUTORIZAÇÃO.

NÚMEROS	TÍTULOS
PRINCIPAIS DESENHOS DE REFERÊNCIA	

Nº	LOCAL	DISCRIMINAÇÃO	DES.	DIV.	GER.	DATA
REVISÃO						

CANCELA E SUBSTITUI O DESENHO NÚMERO:

CANCELADO E SUBSTITUIDO PELO DESENHO NÚMERO:

CENTRO DE DOCUMENTAÇÃO
RECEBIDO: __/__/__
Nº DOC.: _____ ASS.: _____
APROVAÇÃO CESAN:
ASS.: _____ MATR.: _____
UNID.: _____ DATA: __/__/__
ESTA APROVAÇÃO NÃO ISENTA A CONTRATADA DE SUAS RESPONSABILIDADES LEGAIS.

EMITENTE: GANEM Engenharia Ltda
PROJETADO: ANA CLAUDIA JACOB — CREA: 6668/D REGIÃO: ES
COORDENADOR: JULIO CESAR ALI GANEM — CREA: 24918/D REGIÃO: MG
DESENHO: CRISTINA/JOSIANE
Nº DES. PROJETISTA:
DATA: MAI/12
RESPONSÁVEL TÉCNICO: JULIO CESAR ALI GANEM
CREA: 24918/D REGIÃO: MG ART Nº: _____ DATA: _____

EMISSÃO CESAN	DATAS
PROJETADO:	
CREA:	
DESENHADO:	
VERIFICADO:	
DIVISÃO: ENGª LUCIANA CALLEGARI SPAWIER	
GERÊNCIA: ENGª Mª DA GLÓRIA BYRRO AUBIN	

CESAN

MUNICÍPIO: VITÓRIA | DISTRITO: GOIABEIRAS | BAIRRO: DIVERSOS

NOME DO EMPREENDIMENTO: SISTEMA DE ABASTECIMENTO DE ÁGUA DA GRANDE VITÓRIA

TÍTULO: ANÁLISE OPERACIONAL DO SISTEMA
SETOR ZONA NORTE
REDE DE DISTRIBUIÇÃO DE ÁGUA
DETALHE DE NÓS (ANO 2015)

ESCALA:	FOLHA:	Nº CESAN	REV:
SEM ESCALA	10/10	C-040-000-80-5-XX-0356	01