



ARQUITETURA + URBANISMO
CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 01 3274 3299

RELATÓRIO DE PROJETO Drenagem

Empreendimento:
RODOVIA VC-371

BRASÍLIA
JANEIRO - 2020



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INTRODUÇÃO

1. APRESENTAÇÃO

O presente relatório tem como finalidade apresentar os documentos técnicos que compõem o Projeto de Drenagem das Águas Pluviais da **Estrada Vicinal - 371**, localizado na Região Administrativa de Santa Maria – RA XIII, via que interliga a BR-040 à DF-290. O presente projeto refere-se a parte sistema viário local, de aproximadamente 4km.

De acordo com o DNIT em seu Manual de Terminologias Usualmente Utilizadas, uma rodovia vicinal é classificada como estrada local, destinada principalmente a dar acesso a propriedades lindeiras ou caminho que liga povoações relativamente pequenas e próximas.

A área objeto de projeto está localizada nas folhas 215 e 216 do Sistema Cartográfico do Distrito Federal (SICAD) e toda a extensão viária compreende aproximadamente 04 Km na região administrativa de Santa Maria – RA XIII (**Figura 1**).

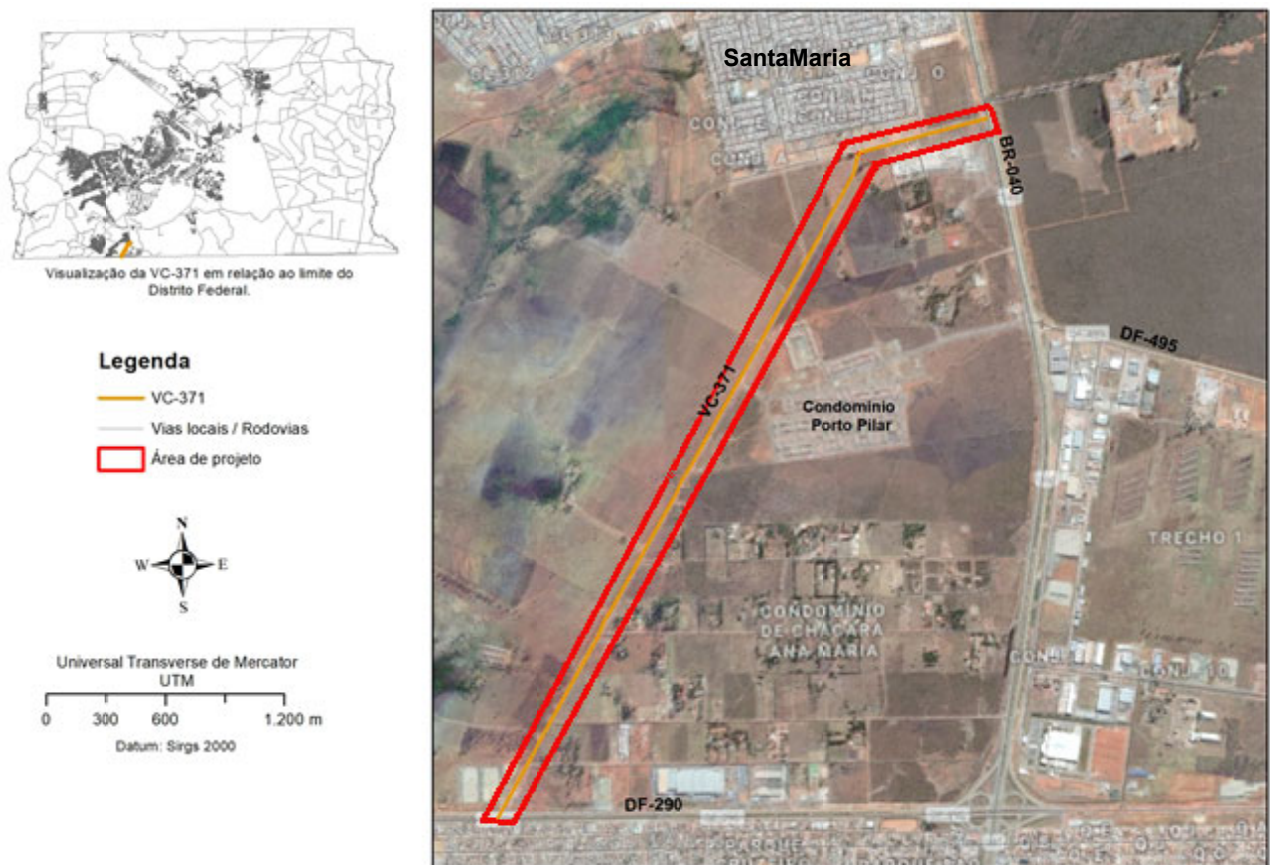


Figura 1 - Localização da Vicinal – 371 em Santa Maria no DF

A elaboração do projeto em questão seguiu as diretrizes citadas abaixo:

- Termo de Referência e Especificações para Elaboração de Projetos de Sistema de Drenagem Pluvial – (05/2019).
- Manual de Drenagem de Rodovias do DNIT, 2006;
- Manual de Hidrologia Básica para Estruturas de Drenagem do DNIT, DE 2005.

O Sistema de Drenagem projetado captará tanto a vazão de montante da rodovia quanto da própria rodovia por meio de canais implantados a montante da via. Optou-se por essa solução haja vista a necessidade de matéria para o aterro do corpo estradal. Os canais foram projetados em nível de forma a permitir o controle quali-quantitativo do escoamento proveniente da via. É importante salientar que, apesar do controle se fazer necessário para a área a ser impermeabilizada pelo empreendimento, a vazão proveniente das demais áreas de contribuição também fazem uso da mesma estrutura de drenagem.

Optou-se ainda, em função da economicidade e do caimento único da pista a manter os bordos do acostamento livres, foi considerado que a rodovia a ser pavimentada não terá meio fio de tal maneira que a chuva precipitada sobre o leito estrada da via duplicada escoará superficialmente para a bordo inferior da via e escoará pelo terreno natural que se mantém preservado. Exceção à essa opção foi a captação das rotatórias projetadas que se dão por meio de redes coletoras, que direcionam a vazão por sua vez para os canais.

As áreas que já possuem sistema de drenagem próprio (como o empreendimento Total Ville) foram desconsideradas como área de contribuição para o desenvolvimento da rede de drenagem. Tal situação se deve ao fato de que tais empreendimentos possuem sistema próprio de drenagem ou drenam para outras áreas (como a DF-290 e a BR-040).

Salienta-se que a intervenção desse projeto se deu nos limites da via projetada, regulando e disciplinando tão somente o escoamento de suas respectivas áreas de contribuição, conforme indicado nas pranchas de desenho.

Por fim, é mister lembrar que, embora as integra das vazões decorrentes da pista (área a ser impermeabilizada pelo empreendimento) e demais áreas de contribuição a montante da mesma terem o mesmo lançamento, a exigência de controle quali-quantitativo decorrente da resolução nº. 09, de 08 de abril de 2011 é atendida pela solução projetada.

2. HISTÓRICO DE PROJETO

A FARE Arquitetura e Urbanismo, responsável pela elaboração do projeto da rodovia vicinal VC-371, realizou em setembro de 2019 reunião com o corpo técnico do DER acerca das diretrizes de projeto a serem adotadas para a drenagem da rodovia.

Nessa oportunidade foi orientado pelo corpo técnico do DER que a vazão a ser coletada corresponderia a vazão da área de contribuição de montante da rodovia, devendo a mesma ser transposta para jusante da rodovia e priorizar a infiltração do solo evitando ao máximo o lançamento em corpos receptores.

A proposta para a água precipitada sobre o pavimento seria que a mesma escoasse lateralmente para os bordos da rodovia uma vez que a proposta era para que a rodovia fosse implantada sem meios fios, desta forma, considerando que a área de jusante é bem preservada com vegetação de cerrado natural a água pluvial fosse infiltrada naturalmente por meio da serapilheira natural, uma vez que a rodovia é de mão dupla com uma área impermeável de apenas 7,5 m.

Diante dessa orientação, foi entregue um projeto em outubro de 2019 com o dimensionamento de 14 redes coletoras sendo que as redes 1 a 13 lançavam as suas vazões em bacias de infiltração e a rede 14 lançava a sua vazão em uma bacia de detenção. Dessa bacia de detenção partia a rede 15 com lançamento final no Ribeirão Santa Maria.

Após uma análise preliminar do IBRAM acerca do projeto, foram definidas novas diretrizes para o projeto sendo que a vazão precipitada sob o leito estradal da rodovia vicinal deveria ser agora coletada e disposta de maneira a atender ao conceito da vazão de pré-desenvolvimento da Resolução nº 09/2011 da ADASA.

Em reunião com o técnico do DER foi repassada a nova diretriz de projeto e definida que a área de contribuição de montante deveria ser coletada, mas apenas para transposição da rodovia e disciplinamento para lançamento com controle de velocidade no solo do cerrado, buscando esta forma eliminar o risco de criação de processos erosivos. Foi solicitado também que fosse eliminado o lançamento no Ribeirão Santa Maria.

Nesse sentido, a FARE Arquitetura e Engenharia desenvolveu um novo projeto resultando na versão de novembro de 2019 ora apresentada.

CRITÉRIOS E PARÂMETROS DE PROJETO

1. VAZÕES DE PROJETO

O cálculo das descargas de projeto para fins de dimensionamento foi feito segundo o “Método Racional”, que estabelece uma relação direta do deflúvio e a precipitação pluviométrica.

Segundo a CETESB(1979) a aplicação do método racional requer a adoção de algumas premissas básicas, são elas:

- O pico do deflúvio superficial direto, relativo a um dado ponto do projeto, é função do tempo de concentração respectivo, assim como da intensidade da chuva, cuja duração, é suposta como sendo igual ao tempo de concentração em questão.
- As condições de permeabilidade das superfícies permanecem constantes durante a ocorrência da chuva.
- O pico do deflúvio direto ocorre quando toda a área de drenagem, a montante do ponto de projeto, passa a contribuir no escoamento.

Após a definição do “layout” da rede de drenagem pretendida, foi traçada a área de contribuição, a fim de proceder ao seu dimensionamento.

O “Método Racional” utilizado tanto para o cálculo das descargas para fins de dimensionamento das bocas de lobo, como das redes coletoras, é representado pela seguinte equação:

$$Q = C * i * A \quad \text{Equação 1}$$

Onde, os termos representam:

Q - vazão (l/s);

C - coeficiente de escoamento superficial (adimensional);

I - intensidade da chuva crítica (l/s/ha);

A - área da bacia que contribui para a seção (ha);

2. COEFICIENTE DE ESCOAMENTO SUPERFICIAL (C)

O coeficiente de escoamento superficial, que expressa à parcela da precipitação que não evaporou, não se infiltrou, não ficou retida nas depressões do terreno, não foi interceptada pelos

vegetais e que não evapotranspirou, foi determinado segundo o Termo de Referência da NOVACAP.

Para isso foi considerado dos coeficientes de escoamento superficiais para o projeto, a saber:

- Para as áreas de montante da rodovia, foi considerada como terreno natural, $C=0,15$, mesmo que se essas áreas sejam ocupadas futuramente, apenas a vazão de pré-desenvolvimento da ADASA, poderá ser lançada no sistema de drenagem projetado.
- Para o leito estradal pavimentado com asfalto foi adotado o coeficiente de escoamento superficial $C=0,90$

3. INTENSIDADE DE CHUVA CRÍTICA (I)

A determinação da intensidade da chuva crítica é feita utilizando-se a relação IDF calculada e publicada no Plano Diretor de Drenagem Urbana e apresentada no Manual de Drenagem Urbana da ADASA na página 302. Essa equação apresenta a seguinte forma:

$$i = \frac{1574.7 \times T^{0,207}}{(Td + 11)^{0,884}} \quad \text{Equação 2}$$

Onde, os termos representam:

i - Intensidade de chuva crítica (mm/h);

T - Tempo de recorrência (anos);

T_c - Tempo de duração da chuva (min);

Para determinação da intensidade crítica, foram calculados os tempos de concentração (frequência) e igualados ao tempo de duração da chuva.

Foi adotado o tempo de recorrência de 10 anos para a determinação da intensidade de chuva crítica deste projeto, ou seja: $F = T_r = 10$ anos.

4. TEMPO DE CONCENTRAÇÃO

Ao tempo necessário para que toda a bacia passe a contribuir para a seção considerada denomina-se “tempo de concentração”, que corresponde ao tempo necessário para uma gota d’água percorrer a distância compreendida entre o ponto mais afastado da bacia de contribuição até a seção para a qual está sendo calculada a vazão.

Este tempo de deslocamento varia com a distância e com as características do terreno, tais como depressões e granulometria do solo.

O cálculo do tempo de concentração foi efetuado através da seguinte equação:

$$T_C = T_e + T_p \quad \text{Equação 3}$$

Onde, os termos representam:

T_c - tempo de concentração (min);

T_e - tempo de deslocamento superficial ou tempo de entrada na rede (min);

T_p - tempo de percurso (min).

O tempo de percurso (T_p) é o tempo de escoamento das águas no interior da rede, desde sua entrada até a seção considerada. Este tempo é determinado com base na equação:

$$T_P = \frac{L}{V} \quad \text{Equação 4}$$

Onde, os termos representam:

T_p - Tempo de percurso (s);

L - Comprimento do trecho de rede (m);

V - Velocidade das águas no interior da rede (m/s).

Salientamos que em função da concepção do sistema de drenagem adotado, optou-se por adotar um tempo de concentração mínimo de 15 minutos para o dimensionamento dos canais e da rede de drenagem.

5. DIMENSIONAMENTO HIDRÁULICO DA REDE

Para dimensionamento das redes, utilizou-se o software C3DRENESEG.

O C3DRENESEG é um programa de dimensionamento de redes de drenagem e esgoto urbanos que roda dentro do Autodesk Civil 3D®.

Ele utiliza o método racional para o cálculo da vazão e calcula a velocidade real do escoamento, levando em conta apenas a área da seção molhada.

O C3DRENESEG avalia a lâmina real escoando iterativamente, da seguinte forma:

Arbitrando a altura da lâmina, procede-se o cálculo da área molhada (Área Molhada) e do perímetro molhado (Perímetro Molhado) em função da geometria da seção transversal.

Calcula-se o raio hidráulico através da equação:

$$R = \frac{AM}{PM} \quad \text{Equação 5}$$

Onde, os termos representam:

R – raio hidráulico em (m)

AM – área molhada em (m)

PM – perímetro molhado em (m)

E por fim calcula-se a velocidade do escoamento por meio da equação de Manning.

$$V = \frac{R^{\frac{2}{3}} * I^{\frac{1}{2}}}{n} \quad \text{Equação 6}$$

Onde, os termos representam:

V – Velocidade d'água na Seção (m/s);

R – Raio Hidráulico (m);

I – Declividade do Coletor (m/m);

N – Coeficiente de Rugosidade de Manning.

A declividade mínima adotada foi àquela capaz de garantir uma velocidade superior a 1,00 m/s, suficiente para evitar depósitos de sedimentos na rede, cujo valor calculado.

As velocidades máximas foram limitadas a 6,00 m/s tanto para as seções circulares quanto para as retangulares.

6. DIMENSIONAMENTO HIDRÁULICO DAS VALAS

Para a determinação o dimensionamento hidráulico das valas foi adotado modelagem hidrodinâmica realizada no software CIVILSTORM. A determinação da vazão de projeto foi obtida pelo método Racional (acima descrito). Para o cálculo hidráulico foi adotado as equações completas de Saint Venant. O dimensionamento das valas de retenção foi obtido com o uso de dispositivos de controle de vazão (vertedouros e drenos de fundo). Em face da disposição das estruturas de controle (caixas coletoras CCS-20) foi considerado como vertedouro as aberturas laterais e a própria crista de da caixa. Para a drenagem de fundo das valas foi considerado como dispositivo de controle um conjunto de três orifícios com diâmetro de 150 mm.

Um resumo das dimensões das aberturas laterais, dos vertedouros de soleira bem como dos drenos de fundo são as indicadas no **Quadro 1**.

Quadro 1 - Dimensão das estruturas de controle das valas.

Vala	Vertedouro lateral (base x altura)	Vertedouro de crista (base x altura)	Dreno de fundo (diâmetro)
	(cm)	(cm)	(mm)
PO- 01	15x100	400x50	3 x Ø150
PO- 02	15x100	400x50	3 x Ø150
PO- 03	15x100	400x50	3 x Ø150
PO- 04A	-	400x50	3 x Ø150
PO- 04B	15x100	400x50	3 x Ø150
PO- 05	15x100	400x50	3 x Ø150
PO- 06A	-	400x50	3 x Ø150
PO- 06B	-	400x50	3 x Ø150
PO- 06C	15x100	400x50	3 x Ø150
PO- 07A	-	400x50	3 x Ø150
PO- 07B	-	400x50	3 x Ø150
PO- 07C	15x100	400x50	3 x Ø150
PO- 08A	-	400x50	3 x Ø150
PO- 08B	-	400x50	3 x Ø150
PO- 08C	15x100	400x50	3 x Ø150
PO- 09A	-	400x50	3 x Ø150
PO- 09B	-	400x50	3 x Ø150
PO- 09C	15x100	400x50	3 x Ø150
PO- 10A	-	400x50	3 x Ø150
PO- 10B	15x100	400x50	3 x Ø150
PO- 11A	-	400x50	3 x Ø150
PO- 11B	15x100	400x50	3 x Ø150
PO- 12	15x100	400x50	3 x Ø150

Os valores de cota da lâmina d'água, volume armazenado e de vazão (de entrada e de saída) foram computados a intervalos de cinco (05) segundos. A formulação de cada metodologia é indicada nos tópicos apresentados a seguir.

Vertedouros de controle de vazão

Os vertedouros são estruturas usadas para modelar estruturas de desvio e/ou de saída em um sistema de reservação. Foram considerados como vertedouros as aberturas de controle lateral previstas nas CCS-20, bem como a própria soleira da mesma.

Eles são internamente representados no CIVILSTORM por uma “estrutura de saída”, onde o próprio nó abriga as estruturas consideradas. Um *Flap Gate* (comporta) foi considerado para prevenir fluxos inversos.

Para a determinação da vazão dos vertedouros das valas foi considerada a seguinte formulação:

$$Q = C * L * h^{\frac{3}{2}}$$

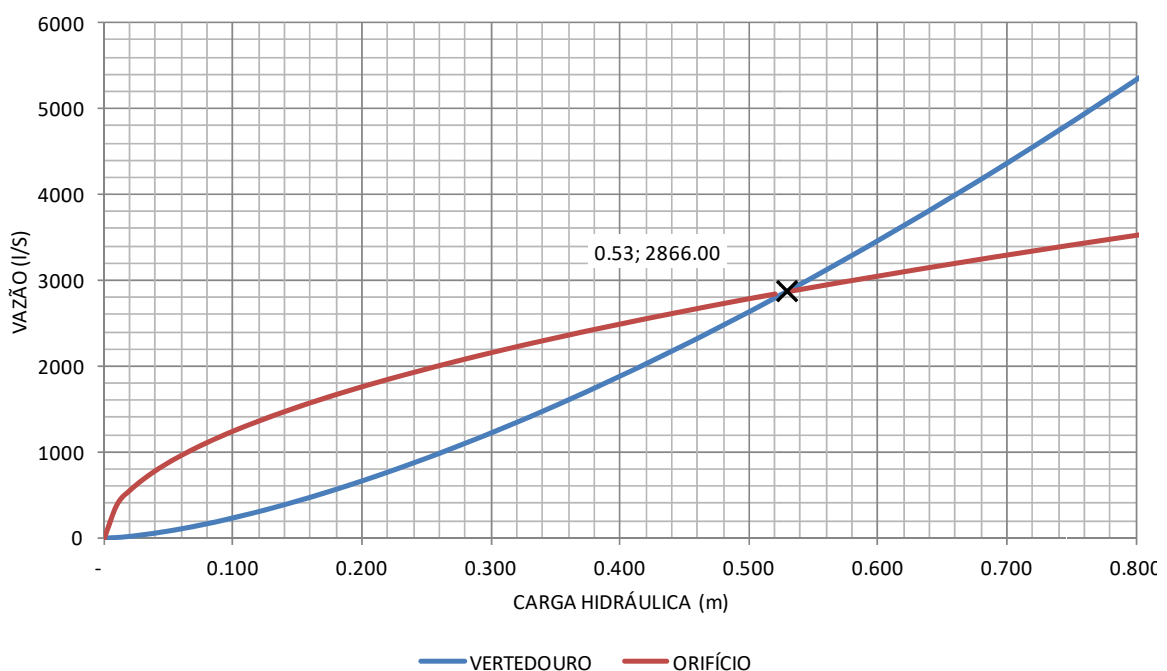
Equação 7

Onde, os termos representam:

- Q** - Vazão (m³/s)
- C** - Coeficiente de descarga (adotado=1,66)
- L** - Largura do vertedouro
- h** - Lâmina d'água sobre o vertedouro

Para as caixas coletoras projetadas nas valas PO-01 a PO-12 foi verificada sua condição no tocante a sua operação hidráulica (vertedouro x orifício horizontal) e foi determinada sua altura crítica em função da carga hidráulica. Para tal verificação foi avaliada sua operação enquanto vertedouro, bem como orifício horizontal. O coeficiente de descarga adotado para o vertedouro foi de 1.66 e do orifício horizontal foi de 0,626. O resultado é apresentado no **Gráfico 1** sendo a altura crítica igual a 0,53 m acima da cota de crista da caixa coletora.

Gráfico 1 – Operação hidráulica das CCS-20



Como a cota de crista das caixas coletoras estão posicionadas a uma altura de 1,0 m do fundo das valas e a profundidade máxima das mesmas é de 1,50 m, todas as caixas coletoras foram dimensionadas (vazão de crista) unicamente como vertedouros. O dimensionamento de ambas as situações é apresentado no Anexo 04.

Orifícios de controle de vazão

Orifícios são usados para modelar estruturas de desvio e de saída em sistemas de drenagem que são tipicamente aberturas na parede de um poço de inspeção, instalações de armazenamento, ou ainda para controlar algum tipo de comporta.

Como nos vertedouros, eles são internamente representados no CIVILSTORM por uma “estrutura de saída”, onde o próprio nó abriga as estruturas consideradas. Um *Flap Gate* (comporta) foi considerado para prevenir fluxos inversos. A vazão de um orifício completamente submerso é computada na fórmula:

$$Q = C * A * \sqrt{2 * g * h} \quad \text{Equação 8}$$

Onde, os termos representam:

Q - Vazão (m³/s)

C - Coeficiente de descarga

g - Aceleração da gravidade

h - Lâmina d'água sobre o orifício

É importante lembrar que os orifícios considerados representam os drenos de fundo projetados nas valas e o coeficiente de descarga adotado para o vertedouro foi de 0,13 o que representa uma vazão máxima de simulação compatível com a capacidade máxima de vazão do tubo corrugado de 150 mm (corrugado 170mm) a uma declividade de 1,0% que é de 12.83 l/s.

7. POÇOS DE VISITA

Os poços de visitas foram localizados no início das redes e na interligação das mesmas. A distância máxima entre poços de visita foi de 80 metros (padrão DNIT), para que possa ser executada a manutenção da rede. Os órgãos acessórios, como meio-fio e poço de visita, serão do tipo padrão DNIT e indicados no Álbum de Projetos-Tipo de Dispositivos de Drenagem (5ª Edição – 2018).

8. CAIXAS COLETORAS

As caixas coletoras, no presente projeto, possuem a função de coletar as águas provenientes das sarjetas e das descidas d'água, bem como a função de passagem e inspeção da rede e serão do tipo CCS-20, padrão DNIT e indicados no Álbum de Projetos-Tipo de Dispositivos de Drenagem (5ª Edição – 2018).

9. CONTROLE QUALI-QUANTITATIVOS - ADASA

Atualmente os sistemas de drenagem pluvial no Distrito Federal são submetidos às normativas da ADASA, estabelecidas pela Resolução nº 09, de 08 de Abril de 2011. A referida resolução estabelece critérios e procedimentos para outorga de direito de uso de recursos hídricos para lançamento de águas pluviais em corpos de água de domínio do Distrito Federal, objetivando implantar soluções compensatórias de drenagem, agindo complementarmente às estruturas convencionais, evitando deste modo a transferência dos impactos para jusante do ponto de lançamento, através da utilização de dispositivos de infiltração, detenção e retenção das águas pluviais. Os principais aspectos considerados são: i) Critérios quantitativos - vazão máxima de lançamento; ii) Critérios qualitativos - tempo de detenção do sistema.

Com relação aos critérios quantitativos, a ADASA estabelece que a vazão de lançamento consequente de toda ocupação que resulta em superfície impermeável, deverá possuir uma vazão máxima específica de saída de 24,4L/s/ha. Ainda em relação à questão quantitativa ele estabelece a adoção de lagoas ou reservatórios para o amortecimento de vazões para manter a vazão de pré-desenvolvimento do DF, sendo seu volume dado por:

$$V = 4,705 * A_i * A_c \quad \text{Equação 9}$$

Onde, os termos representam:

V = Volume do reservatório a ser implantado (m³);

A_i = Proporção da área impermeável da área de contribuição (em percentual);

A_c = Área de contribuição (ha).

É importante observar que o volume amortecido pelo reservatório de detenção será escoado lentamente, durante várias horas após a passagem do pico de vazão. Assim, os benefícios esperados, em termos de controle de cheias, incluem não apenas a atenuação de

vazões como também a perda de sincronia de ocorrência de picos em relação às redes já em operação e que não possuem sistemas de controle quantitativo (reservatórios de detenção).

Com relação aos critérios qualitativos o referido órgão dispõe que grande parte da poluição que vem na água pluvial é recolhida na primeira chuva, o que torna necessário a construção de estrutura de retenção a fim de que os sedimentos e poluentes existentes se depositem, e reduzam a carga a jusante. Segundo ainda a ADASA, o armazenamento da água de chuva durante um período de 24h reduz a carga de sólidos em 80%. Para o atendimento destas condições, a referida Agência estabelece que os reservatórios devem possuir capacidade mínima definida pela seguinte equação.

$$V_{qa} = (33,8 + 1,80 * A_i) * A_c \quad \text{Equação 10}$$

Onde, os termos representam:

V_{qa} = Volume a ser armazenado pelo critério da qualidade em metros cúbicos (m³);

A_c = a área de contribuição (ha);

A_i = proporção de área impermeável em percentual (%).

Para esgotar este volume em 24 horas, a vazão de saída é estimada em:

$$Q = \frac{V_{qa}}{86,4} \quad \text{Equação 11}$$

Onde:

Q é obtido em l/s.

Cabe destacar que, conforme preconizado na Resolução ADASA N° 09/2011, em casos de impossibilidade de atendimento das condições estabelecidas na referida resolução, poderão ser apresentados estudos alternativos que atestem a capacidade do corpo hídrico de receber vazões específicas de lançamento diversa, ficando esses estudos sujeitos à aprovação da ADASA.

Ainda em relação à Resolução supracitada, esta dispõe em seu capítulo V a possibilidade de redução do percentual da área impermeável a ser computado na determinação dos volumes dos reservatórios quali-quantitativos (estabelecidos no § 1º do Art. 7º e no § 1º do Art. 8º), quando da adoção de medidas que favoreçam a infiltração da água no solo, sendo basicamente:

- Aplicação de pavimentos permeáveis (blocos vazados com preenchimento de areia ou grama, asfalto poroso, concreto poroso): redução de até 60% (sessenta por cento) da área que utiliza estes pavimentos;
- Desconexão das calhas de telhado de forma a direcionar a água para superfícies permeáveis com drenagem: redução de até 40% (quarenta por cento) da área de telhado drenada;
- Desconexão das calhas de telhado de forma a direcionar a água para superfícies permeáveis sem drenagem: redução de até 80% (oitenta por cento) da área de telhado drenada;
- Adoção de trincheiras de infiltração: redução de até 80%;
- Direcionamento da água proveniente de superfície impermeável para dispositivos de infiltração sem saída: redução a ser estimada pela ADASA.

As áreas adotadas para a avaliação dos critérios acima são as indicadas no **Quadro 2** e o **Quadro 3** apresenta o dimensionamento dos reservatórios pelo Método da ADASA.

Quadro 2 - Áreas consideradas na avaliação da resolução nº 09/11 da ADASA.

Trecho	Extensão (m)	Área ⁽¹⁾ (m ²)
TRECHO 01 - 0+0.00 À 102+9.82	2049.82	24597.84
TRECHO 02 - 0+0.00 À 60+9.57	1209.57	14514.84
TRECHO 03 - 0+0.00 À 33+16.86	676.86	8122.32
ROTATÓRIA 01		1790.729
ROTATÓRIA TOTAL VILLE + PISTA EXISTENTE		7308.653
CICLOVIA		15674.95
TOTAL		72009.34

(1) – Para os trechos 01 a 03 e ciclovia foram adotadas as larguras previstas no projeto geométrico

Quadro 3 - Áreas e volumes estabelecidos na resolução nº 09/11 da ADASA.

área de contribuição ⁽¹⁾	área impermeável ⁽²⁾	fator de redução ⁽³⁾	área impermeável adotada	aspecto quantitativo		aspecto qualitativo	
				volume mínimo	vazão máxima	volume mínimo	vazão máxima
				(m ³)	(l/s)	(m ³)	(l/s)
7.20	90%	80%	18%	609.85	175.70	476.70	5.52

(1) – Área de contribuição conforme indicado no **Quadro 2**;

(2) Área impermeável da via (considerada as rotatórias);

(3) Segundo o §1º do Art. 7º e no §1º do Art. 8º da Resolução ADASA Nº 09/2011

Com o objetivo de complementar a rede de drenagem projetada foram adotados canais de escoamento, de forma não contínua, na faixa de domínio localizada a montante da via de seção trapezoidal com largura de fundo de 3,0m e profundidade de profundidade de 1,5 m, com taludes de 1:1 revestidos com grama. Os volumes totais (V_{tot}) e máximos (V_{max}) são os apresentados no **Quadro 4**.

Quadro 4 – Volumes máximos e mínimos das valas

vala	volume total (m3)	volume máximo (m3)	V_{max} / V_{tot} (m3)
TPO- 01	578.74	276.30	47.74%
TPO- 02	720.19	289.64	40.22%
TPO- 03	408.73	146.38	35.81%
TPO- 04A	370.98	223.89	60.35%
TPO- 04B	371.67	155.04	41.72%
TPO- 05	562.84	136.51	24.25%
TPO- 06A	746.84	540.85	72.42%
TPO- 06B	472.41	318.57	67.43%
TPO- 06C	497.60	208.22	41.85%
TPO- 07A	480.33	295.38	61.50%
TPO- 07B	392.92	217.82	55.44%
TPO- 07C	419.57	88.23	21.03%
TPO- 08A	551.47	264.94	48.04%
TPO- 08B	472.86	187.04	39.55%
TPO- 08C	498.76	80.70	16.18%
TPO- 09A	483.99	84.75	17.51%
TPO- 09B	392.93	75.40	19.19%
TPO- 09C	419.58	47.69	11.37%
TPO- 10A	395.13	131.30	33.23%
TPO- 10B	419.17	78.29	18.68%
TPO- 11A	317.02	177.64	56.03%
TPO- 11B	255.24	59.36	23.26%
TPO- 12	336.20	181.91	54.11%
TOTAL	10565.17	4265.84	40.38%

É mister lembrar que os volumes das valas (consideradas como trincheiras de infiltração) somam 10565.17 m³ sendo portanto, cerca de 17.32 vezes o volume estabelecido para o controle quantitativo e 22.16 vezes o volume estabelecido para o controle qualitativo.

Outro aspecto a ser considerado diz respeito aos valores das vazões de lançamento ser superior aos limites estabelecidos no **Quadro 3**. Tal condição se dá pelo fato de que as vazões provenientes das áreas de contribuição de montante fazem uso do mesmo sistema de drenagem projetado.

Considerou-se ainda a implantação ao longo dos canais de drenos superficiais do tipo DSS04 (Padrão DNIT) para evitar o acúmulo de água nos mesmos.

10. CAPACIDADE DE SUPORTE DO BUEIRO DA DF-290

Para a avaliação da capacidade de suporte do bueiro da DF-290 considerou-se como vazão de carga a vazão proveniente da área de contribuição da própria DF-290 a montante do bueiro somada à vazão da rede RD-12A (338,39 l/s). A metodologia adotada foi a mesma apresentada nos Itens 01 a 03 considerando-se um coeficiente de escoamento $C=0.25$ para a área de contribuição da DF-290. Os resultados são indicados no Anexo 02 e Anexo 04 deste relatório.

11. PLANILHA DE CÁLCULO

Todos os cálculos, conforme dito anteriormente, foram realizados pelo software C3DRENSG que roda dentro do Autodesk Civil 3D ®.

A explicação de cada coluna se encontra abaixo:

Coluna 1 – Identificação da rede;

Coluna 2 – Representação dos trechos entre dois poços de visita, com o PV a montante e a jusante;

Coluna 3 e 4 - Cota do terreno, em metros, do poço de visita a montante e a jusante do trecho;

Coluna 5 - Comprimento entre PVs (trecho), em metros;

Coluna 6 - Área de contribuição para a captação efetuada a montante do trecho considerado, em hectares. Quando de áreas com valores de C distintos, as áreas individualizadas para cada valor é apresentado nas colunas abaixo. Para as redes com valas a montante o valor é nulo.

Coluna 7 - Coeficiente de escoamento superficial para a área de contribuição. Quando de áreas com valores de C distintos, as áreas individualizadas para cada valor é apresentado nas colunas abaixo. Para as redes com valas a montante o valor é nulo.

Coluna 8 - Área de contribuição já multiplicada pelo coeficiente de escoamento superficial c. Quando de áreas com valores de C distintos, as áreas individualizadas para cada valor é apresentado nas colunas abaixo. Para as redes com valas a montante o valor é nulo.

Coluna 9 - Área de contribuição já multiplicada pelo coeficiente de escoamento superficial c acumulado para o PV. Quando de áreas com valores de C distintos, as áreas individualizadas para cada valor é apresentado nas colunas abaixo. Para as redes com valas a montante o valor é nulo.

Coluna 10 - Tempo de concentração, em minutos. Determinado pelo tempo de escoamento na rede. Para as vazões provenientes das valas, foi adotado também o valor apresentado;

Coluna 11 - Intensidade de chuva, em mm/hora considerada a IDF apresentada;

Coluna 12 - Vazão calculada que passa pelo trecho em l/s. Para as redes com valas a montante o valor considerado da vazão foi a calculada no dimensionamento das valas e apresentado no Anexo 01 – Dimensionamento das Valas;

Coluna 13 e 14 – Seção da rede (diâmetro) ou da galeria (altura x largura), em milímetros

Coluna 15 – Declividade da galeria adotada para o projeto em %;

Coluna 16 - Velocidade de escoamento no trecho, em metros por segundo;

Coluna 17 - Relação entre a altura da lâmina d'água e a seção da galeria, em porcentagem;

Coluna 18 e 19 - Cota de topo da estrutura a montante e a jusante, em metros;

Colunas 20 e 21 – Profundidade das estruturas de montante e jusante respectivamente em metros;

Coluna 22 e 23 - Cota da geratriz inferior da galeria a montante e a jusante, em metros;

Coluna 24 – Degrau em metros

Coluna 25 – Observações

A planilha hidráulica de dimensionamento pode ser encontrada no Anexo 2 - Dimensionamento das redes.

MANUTENÇÃO E ESPECIFICAÇÕES TÉCNICAS CONSTRUTIVAS

1. MANUTENÇÃO DO SISTEMA DE DRENAGEM

Os serviços de conservação e manutenção correspondem às atividades de inspeção, limpeza e reparos dos componentes do sistema de drenagem, que deverão ser executadas baseado em rotinas e procedimentos periodicamente aplicados nas estruturas do sistema.

Os procedimentos e rotinas de serviços, dentre os quais estão a inspeção, limpeza e manutenção, serão aplicados aos seguintes componentes:

- Bocas de lobo;
- Redes coletoras e poços de visita;
- Dissipadores de energia na entrada das bacias;
- Bacias de detenção;
- Bacias de infiltração.

Essas atividades aqui propostas neste capítulo deverão ser realizadas por equipe especializada da administração regularmente sob pena de comprometer o adequado funcionamento do sistema de drenagem aqui proposto.

O **Quadro 5** indica as estruturas do sistema de drenagem que devem ser submetidas à inspeção com suas rotinas e frequência mínima de execução das atividades.

Quadro 5 - Procedimentos de inspeção e manutenção para o sistema de drenagem pluvial

estrutura	rotina	frequência mínima
Bocas de Lobo	Inspecionar os pontos de acesso bem como a superfície na área dos pontos de acesso. Atenção especial deve ser dada aos danos ou bloqueios.	A cada 60 dias no período chuvoso
	Inspecionar revestimento das estruturas para determinar quaisquer danos e deteriorações.	A cada 60 dias no período chuvoso
	Procurar por obstruções causadas por acúmulo de resíduos e sedimentos.	A cada 60 dias no período chuvoso
Redes coletoras e Poços de visita	Inspecionar os pontos de acesso bem como a superfície na área dos pontos de acesso. Atenção especial deve ser dada aos danos ou bloqueios.	A cada 60 dias no período chuvoso

estrutura	rotina	freqüência mínima
	Inspeccionar revestimento das estruturas para determinar quaisquer danos e deteriorações.	A cada 60 dias no período chuvoso
	Procurar por obstruções causadas por acúmulo de resíduos e sedimentos.	A cada 60 dias no período chuvoso
Dissipadores de energia e escadas hidráulicas	Inspeccionar revestimento das paredes do dissipador para determinar quaisquer danos e deteriorações tais como desprendimento do concreto, ferragem aparente e procurar por obstruções causadas por acúmulo de resíduos e sedimentos.	A cada 60 dias no período chuvoso
Bacia de Infiltração	Escarificar e remover a camada de solo depositada no fundo da bacia de infiltração.	Duas vezes por ano, uma imediatamente antes do início do período chuvoso em Brasília (setembro) e uma segunda vez na metade do período chuvoso (janeiro)
Sarjetas de canteiro central	Inspeccionar os pontos de acesso bem como a superfície na área dos pontos de acesso. Atenção especial deve ser dada aos danos ou bloqueios.	A cada 60 dias no período chuvoso
	Inspeccionar revestimento das estruturas para determinar quaisquer danos e deteriorações.	A cada 60 dias no período chuvoso
	Procurar por obstruções causadas por acúmulo de resíduos e sedimentos.	A cada 60 dias no período chuvoso

2. ESPECIFICAÇÕES TÉCNICAS CONSTRUTIVAS

2.1. DE ORDEM GERAL

A presente especificação tem por objetivo estabelecer as condições técnicas exigíveis para a execução da obra projetada, relativa construção do Sistema de Drenagem das Águas Pluviais da VC-371, vicinal essa situada entre a BR-040 e a DF- 290.

A obra deverá obedecer rigorosamente às plantas, desenhos e detalhes do projeto, às recomendações específicas dos materiais a serem empregados e aos demais elementos que a Fiscalização venha a fornecer, assim como as Normas Técnicas da ABNT e as Especificações e Encargos Gerais para execução de obras da NOVACAP, naquilo que for pertinente.

Eventuais modificações no Projeto devem ser efetuadas e aprovadas pela contratante.

Em casos de divergência entre os elementos do Projeto, deverão ser seguidos os seguintes critérios:

Divergências entre as cotas assinaladas e as suas dimensões medidas em escala, prevalecerão as primeiras;

Divergências entre desenhos de escalas diferentes prevalecerão os de maior escala;

Divergências entre os elementos não incluídos nos dois casos anteriores prevalecerão o critério e a interpretação da Fiscalização, para cada caso.

Todos os aspectos particulares, os omissos e ainda os de obras complementares não considerados no projeto, serão em ocasião oportuna, especificados e detalhados pela Fiscalização.

Os serviços deverão ser iniciados após o recebimento da Ordem de Serviço e dentro do prazo pré-estabelecido.

Antes de qualquer operação referente à obra, deverão estar reunidos e organizados em perfeita ordem, no local de trabalho, os meios (pessoal, materiais, equipamentos, acessórios, ferramentas e reservas), aptos, necessários e suficientes para garantir a boa execução de qualquer serviço e a sua continuidade, com a melhor técnica, a fim de que, uma vez iniciado, possa prosseguir até a sua conclusão, dentro do prazo previsto, sem interrupção.

2.2. DE ORDEM CONSTRUTIVA (MATERIAIS E SERVIÇOS)

2.2.1. LOCAÇÃO

Toda locação deverá seguir rigorosamente o projeto, salvo nos casos em que outra rede de infra-estrutura já tenha sido executada no local. Nesta locação deverão ser cadastradas todas as possíveis interferências, quer sejam de redes de infra-estrutura ou qualquer outro obstáculo, com o objetivo de serem procedidos estudos para novo caminhamento, se for o caso.

Após a locação a Contratada deverá calcular as Notas de Serviço obedecendo todos os dados do projeto, no que diz respeito a diâmetros, declividades e profundidades. Somente após a

liberação das Notas de Serviço pela Fiscalização, poderão ser iniciados os trabalhos de escavação de valas.

Antes de iniciar qualquer frente de serviço a Contratada deverá solicitar à todas as concessionárias os cadastros de suas redes, para que sejam eliminadas eventuais divergências entre estes e o cadastramento feito quando da locação. Qualquer dano causado às redes das concessionárias será de inteira responsabilidade da Contratada.

2.2.2. ESCAVAÇÃO

As escavações das redes deverão ser de acordo com as notas de serviços, que obedecem rigorosamente as cotas dos perfis acrescidas das espessuras do tubo, da bolsa do tubo e do lastro de cascalho compactado, ou da espessura da laje inferior, do lastro de concreto magro e do lastro de cascalho compactado, quando se tratar de galeria ou canal em concreto armado moldado “in loco”. Estes acréscimos, em metros, são conforme o quadro abaixo:

Quadro 6 - Quadro de Acréscimos nas Escavações

Diâmetro dos tubos (mm)	400	500	600	800	1000	1200	1500
Espessura do tubo (mm)	0,04	0,05	0,06	0,08	0,10	0,12	0,15
Espessura da bolsa do tubo (mm)	0,04	0,05	0,06	0,08	0,10	0,12	0,15
Espessura do lastro de cascalho compactado (m)	0,05	0,05	0,10	0,10	0,15	0,15	0,20
Acréscimo (m)	0,13	0,15	0,22	0,26	0,35	0,39	0,50

Processo Mecânico

As escavações devem ser efetuadas por processo mecânico, salvo nos trechos onde for impossível o emprego de máquina, ou seja, nos casos de interferência ou proximidade com outras redes de infra-estrutura, ou de redes muito próximas dos postes, ou ainda, por qualquer outro motivo, não houver condições para o emprego de escavação mecânica. Nestes casos, será permitido o emprego de escavação manual.

Classificação de Material

- Primeira Categoria – compreendem solos em geral, residuais ou sedimentares, seixos rolados, ou não, com diâmetro máximo inferior a 0,15 metros, qualquer que seja o teor de umidade que apresentem.

- Segunda Categoria – compreendem os materiais com resistência ao desmonte mecânico inferior à da rocha não alterada, cuja extração se processe por combinação de métodos que obriguem a utilização do maior equipamento de escarificação exigido contratualmente; a extração eventualmente poderá envolver o uso de explosivos ou processos manuais adequados. Estão incluídos nesta classificação os blocos de rocha de volume inferior a 2,00 m³ e os matacões, ou pedras de diâmetros médio compreendido entre 0,15 e 1,00 metros.
- Terceira Categoria – compreendem os materiais com resistência ao desmonte mecânico equivalente à da rocha não alterada e blocos de rocha com diâmetros médio superior a 1,00 m, ou de volume igual ou superior a 2,00 m³, cuja extração e redução, afim de possibilitar o carregamento, se processem somente com o emprego contínuo de explosivos.

Talude de Valas

As valas das redes em tubos devem ser escavadas em talude 1:3 e escoradas. A escavação em talude 1:3 consiste no alargamento de 1,00m em cada lado da vala para cada 3,00m de profundidade.

Largura do Fundo de Vala

As valas deverão ser escavadas nas larguras discriminadas a seguir, em função do diâmetro de rede:

Quadro 7 - Quadro de Largura de Fundo de Valas para Tubos ou Galerias

diâmetro dos tubos ou seção da galeria (m)	largura do fundo da vala (m)
0,40	1,00
0,50	1,20

As escavações devem ser efetuadas por processo mecânico, salvo nos trechos onde for impossível o emprego de máquina, ou seja, nos casos de interferência ou proximidade com outras redes de infra-estrutura, ou de redes muito próximas dos postes, ou ainda, por qualquer outro motivo, não houver condições para o emprego de escavação mecânica. Nestes casos, será permitido o emprego de escavação manual.

Classificação de Material

- Primeira Categoria – compreendem solos em geral, residuais ou sedimentares, seixos rolados, ou não, com diâmetro máximo inferior a 0,15 metros, qualquer que seja o teor de umidade que apresentem.
- Segunda Categoria – compreendem os materiais com resistência ao desmonte mecânico inferior à da rocha não alterada, cuja extração se processe por combinação de métodos que obriguem a utilização do maior equipamento de escarificação exigido contratualmente; a extração eventualmente poderá envolver o uso de explosivos ou processos manuais adequados. Estão incluídos nesta classificação os blocos de rocha de volume inferior a 2,00 m³ e os matacões, ou pedras de diâmetros médio compreendido entre 0,15 e 1,00 metros.
- Terceira Categoria – compreendem os materiais com resistência ao desmonte mecânico equivalente à da rocha não alterada e blocos de rocha com diâmetros médio superior a 1,00 m, ou de volume igual ou superior a 2,00 m³, cuja extração e redução, afim de possibilitar o carregamento, se processem somente com o emprego contínuo de explosivos.

Talude de Valas

As valas das redes em tubos devem ser escavadas em talude 1:3 e escoradas. A escavação em talude 1:3 consiste no alargamento de 1,00m em cada lado da vala para cada 3,00m de profundidade.

Largura do Fundo de Vala

As valas deverão ser escavadas nas larguras discriminadas a seguir, em função do diâmetro de rede:

Quadro 8 - Quadro de Largura de Fundo de Valas para Tubos ou Galerias

diâmetro dos tubos ou seção da galeria (m)	largura do fundo da vala (m)
0,40	1,00
0,50	1,20
0,60	1,40
0,80	1,70
1,00	2,00
1,20	2,20

diâmetro dos tubos ou seção da galeria (m)	largura do fundo da vala (m)
1,50	2,60
1,65 x 1,65	3,00
1,80 x 1,80	3,20
2,00 x 2,00	3,40
2,20 x 2,20	3,60
2,40 x 2,40	3,80
2,60 x 2,60	4,00
3,00 x 3,00	4,40

O material escavado deve ser depositado em ambos os lados da vala, se possível, igualmente distribuídos e afastados dos lados da mesma a uma distância superior à 0,50m. Todo material de granulometria graúda solta deve ser retirado da beira da vala.

Para efeito de medição do volume escavado a ser pago, não serão levados em consideração dimensões maiores adotadas pela Empreiteira, além das impostas por esta especificação, salvo as devidamente autorizadas pela Fiscalização em Diário de Obra. No caso da Empreiteira adotar dimensões menores, a Fiscalização deverá pagar o volume real escavado.

2.2.3. ESCORAMENTO

Todas as valas escavadas para execução de redes, além da escavação em talude 1:3, deverão ser escoradas. A Empreiteira é responsável pela elaboração dos projetos de escoramento e da sua aplicação, ou da determinação do talude natural do terreno quando necessário. De comum acordo com o Engenheiro Fiscal, a Empreiteira deverá contratar um calculista de renome, especialista no assunto, para elaboração dos projetos. Na elaboração dos projetos, o calculista deverá, em princípio, levar em conta que serão conjuntos de escoramentos para valas com talude 1:3, aplicados separadamente um do outro, de dois em dois metros e considerar estronca perdida no fundo da vala. Caberá ao Departamento Técnico a aprovação dos projetos de escoramento e à Fiscalização da sua execução. A Fiscalização só deverá pagar o serviço de escoramento de vala, num determinado trecho entre dois poços de visita, se o mesmo for executado conforme o projeto aprovado em toda extensão do trecho em consideração.

À proporção que a vala vai sendo escavada, o serviço de escoramento deverá ir acompanhando a escavação devendo, portanto, ser executado antes do preparo do fundo da vala. Durante a execução do escoramento é proibido qualquer outro operário entrar no interior da vala que não sejam os que estiverem trabalhando na sua execução. Caso a Empreiteira não

disponha de material para executar o escoramento, a Fiscalização não deve permitir o início do serviço de escavação da vala, e anotar no Diário de Obra que só permitirá a liberação do serviço de escavação, após a chegada e inspeção do material necessário.

O escoramento de uma vala deverá permanecer em seu local, até que a execução do aterro compactado alcance a metade da seção do tubo.

2.2.4. ESGOTAMENTO E BOMBEAMENTO

Os serviços de escavação deverão incluir obras de proteção contra infiltração de águas superficiais procedentes de chuva.

O esgotamento de água através de moto-bombas só será pago no caso de obras executadas em terrenos encharcados, devido a infiltração de águas naturais, quando não for possível iniciar as escavações da rede, do seu lançamento final para o seu início.

Nos pontos de caminhamento da rede em que ocorrer o afloramento d'água, o leito de assentamento dos tubos será em brita, ao invés de cascalho, formando um colchão de drenagem. No poço de visita a jusante do afloramento, serão implantados tubos de PVC de 100mm, interligando o dreno à rede.

2.2.5. PREPARO DO LEITO

Terminada a escavação, proceder-se-á à limpeza do fundo da vala e a regularização do "greide". Todo o trecho do leito escavado a mais e que levar de aterro, deverá receber uma base de cascalho compactada cuja espessura por diâmetro de rede, deverá ser conforme indicado no **Quadro 9**.

Quadro 9 - Espessura da Base do Leito para Tubos ou Seções da Galeria Molhada

diâmetro do tubo ou seção da galeria moldada	espessura da base (m)
400 mm	0,05
500 mm	0,05
600 mm	0,10
800 mm	0,10
1000 mm	0,15
1200 mm	0,15
1500 mm	0,20
1,65 x 1,65 m	0,20
1,80 x 1,80 m	0,20

diâmetro do tubo ou seção da galeria moldada	espessura da base (m)
2,00 x 2,00 m	0,20
2,20 x 2,20 m	0,20
2,40 x 2,40 m	0,20

Toda a compactação deverá ser executada por meio manual nos locais onde, a critério da Fiscalização, seja impróprio o uso de compactadores mecânicos. O terreno ou cascalho deverá ser umedecido na umidade ótima determinada para o tipo de solo existente, e compactado com grau nunca inferior a 100% do Proctor Normal para o caso de redes em tubo.

Nos trechos de terreno muito úmido, deverá ser executada drenagem através de lastro em brita, substituindo o lastro de cascalho pelo de brita, conforme o quadro acima.

Após a compactação, proceder-se-á ao nivelamento do fundo das valas com aparelho de precisão topográfica, cujo o perfil deverá ser das cotas do projeto diminuída da espessura do tubo e somada ao da bolsa para as redes em tubos.

2.2.6. TUBOS DE CONCRETO

Todos os tubos de concreto simples ou armado serão do tipo macho e fêmea. Deverão ser executados de conformidade com as Normas e Especificações Técnicas vigentes no País (NBR 6118/82, NBR 7481/82, etc.) e ter resistência a compressão diametral de acordo com a EB-6 e EB-103, conforme lei n.º 4150 de 21/11/62, que ficam fazendo parte integrante destas especificações, devendo para isto que durante o seu assentamento seja empregado um macaco TIRFOR para juntá-los bem. Os tubos deverão apresentar na sua parte externa, o nome da Empreiteira, a data de fabricação e a especificação de sua classe.

Tubos de Concreto Simples

Na fabricação dos tubos de concreto simples, deverá ser empregado concreto cuja resistência aos 28 dias seja igual a 25,0 MPa (F_{ck} 28 dias = 25,0 MPa).

Tubos de Concreto Armado

Todos os tubos de concreto simples ou armado serão do tipo ponta e bolsa. Deverão ser executados de conformidade com as Normas e Especificações Técnicas vigentes no País (NBR 6118/82, NBR 7481/82, etc.) e ter resistência a compressão diametral de acordo com a EB-6 e EB-103, conforme lei n.º 4150 de 21/11/62, que ficam fazendo parte integrante destas especificações. A critério da Fiscalização poderão ser aceitos tubos do tipo macho e fêmea, desde que no seu assentamento seja empregado um macaco TIRFOR para juntá-los bem e, para

efeito de pagamento dos tubos, deverá ser pago somente 70% do valor dos tubos ponta e bolsa. Os tubos deverão apresentar na sua parte externa, o nome da Empreiteira, a data de fabricação e a especificação de sua classe.

A designação das telas de aço CA-60 soldadas a serem empregadas na fabricação dos tubos estão relacionadas no quadro a seguir, onde são apresentadas por diâmetro e classe dos tubos. Neste quadro há também a indicação da espessura da parede do tubo para atingir a classe pretendida.

As telas para os tubos da armadura dupla devem ser posicionadas de tal maneira que uma delas ficará à 2,5cm (dois vírgula cinco centímetros) da parte externa do tubo e a outra da mesma distância, mas da parte interna, tendo as pontas das telas justapondo também 35cm (trinta e cinco centímetros). Se houver a necessidade de empregar uma tela dobrada em uma das armaduras dos tubos com armadura dupla, deverá utilizar internamente uma tela enrolada sobre si mesma duas vezes e ter as pontas justapondo também 35cm (trinta e cinco centímetros). Para ter garantia de que a tela ou telas ficarão bem posicionadas e que não sairão da posição aqui determinada, durante a concretagem deverão ser empregadas pastilhas de concreto amarradas nas armaduras.

Durante a fabricação dos tubos pela Empreiteira, a Fiscalização deverá exigir o controle tecnológico do concreto empregado, através de firma especializada, e verificar se estão empregando a tela indicada corretamente.

Aconselha-se o emprego de tubos por classe em função do aterro sobre os mesmos, conforme o quadro a seguir.

Quadro 10 - Emprego das Telas na Fabricação de Tubos Armados com Armadura Circular

Classe dos Tubos	Diâmetro dos Tubos (mm)	Espessura das Paredes (cm)	Designação da Tela Aço CA-60
CA-1	600	6	PB-159
	800	8	PB-246
	1000	10	PB-283
	1200	12	PB-113
			PB-246
CA-2	1500	15	PB-159
			PB-283
	600	6	PB-196
	800	8	PB-283
	1000	12	PB-332
CA-3	1200	13	PB-196
			PB-332
	1500	15	PB-283
			2 □ PB-246
	600	8	PB-332
	800	10	PB-159

Classe dos Tubos	Diâmetro dos Tubos (mm)	Espessura das Paredes (cm)	Designação da Tela Aço CA-60
			PB-283
	1000	12	PB-196
			PB-332
	1200	15	PB-246
			PB-246
	1500	15	2□PB-396
			2□PB-396

Quadro 11 - Emprego de Tubos de Concreto

concreto simples	classe
aterro sobre o tubo menor ou igual à 1,75m	c-1
aterro sobre o tubo maior que 1,75m e menor que 3,00m	c-2
concreto armado	classe
aterro sobre o tubo maior ou igual à 3,00m	ca-1
aterro sobre o tubo maior que 3,00m e menor ou igual à 6,00m	ca-2
aterro sobre o tubo maior que 6,00m e menor que 9,00m	ca-3

2.2.7. ASSENTAMENTO E REJUNTAMENTO DOS TUBOS

A Empreiteira antes de transportar para a obra os tubos, deve selecioná-los, retirando do lote os tubos que apresentarem defeitos aparentes, pois os mesmos para serem aceitos, devem estar isentos de fraturas, fissuras largas ou profundas, de asperezas na superfície interna e excentricidade. Para serem transportados, os tubos devem estar devidamente curados.

O assentamento de cada lote só poderá iniciar após o exame do lote e da escolha pelo Engenheiro Fiscal dos tubos para teste, mas com a devida autorização por escrito no Diário de Obra. Lotes de tubos assentados sem devida autorização e sem ter sido submetido ao ensaio de compressão diametral, serão de inteira responsabilidade da Empreiteira. Caso os mesmos sejam recusados por apresentarem defeitos aparentes ou por ocasião dos ensaios, as substituições dos lotes serão executadas sem qualquer ônus para a Contratante.

A junta interna entre dois tubos (a ponta e a bolsa) não poderá ser superior à 05 (cinco) milímetros, e os tubos deverão ser rejuntados com argamassa de cimento e areia no traço 1:4. As juntas na parte interna serão rejuntadas cuidadosamente, alisando-se a argamassa de modo a se evitar tanto quanto possível rebarbas e rugosidade que possam alterar o regime de escoamento das águas, sendo que para tubos de diâmetro igual ou superior a 800mm o rejuntamento interno

deverá ser em toda sua seção circular. Na parte externa, além de tomadas as juntas, serão as bolsas completadas por um colar de seção triangular isósceles da mesma argamassa. Não poderão ser assentados tubos trincados ou danificados durante a descida na vala, ou que apresentarem quaisquer defeitos construtivos que passem despercebidos pela inspeção da Fiscalização.

Após o assentamento dos tubos a Fiscalização deverá conferir o seu alinhamento e verificar se as juntas não estão superiores a 5mm (cinco milímetros), para tanto basta medir o comprimento do trecho e contar o n.º de tubos e do comprimento medido, subtrair o comprimento dos tubos. O resultado desta subtração deverá ser dividido pelo número de tubos, cujo novo resultado é o espaçamento médio de cada junta.

Nas redes executadas com tubos de diâmetro igual e maior que 800mm a Fiscalização deverá conferir também o rejuntamento interno dos tubos.

2.2.8. POÇOS DE VISITA E CAIXAS DE PASSAGEM

As caixas e os poços de visita cujo diâmetro do tubo de saída seja menor ou igual à 800mm, serão executados de acordo com as plantas de detalhe de poço de visita e caixa de passagem para redes < 600mm ou para redes de 800mm, em alvenaria de blocos de concreto, sendo em concreto armado pré-moldado as lajes do fundo e da tampa. Para diâmetros maiores, serão executados em concreto armado de acordo com as plantas de detalhe de poço de visita e caixa de passagem para redes de 1.000, 1.200 e 1.500mm, para aterro menor ou igual à 3,00 metros sobre a laje da tampa.

Os poços de visita e as caixas de passagem apoiar-se-ão sobre uma camada de concreto magro de 0,05m de espessura executado sobre uma base de cascalho compactado, de 0,20m de espessura. As paredes internas, quando em alvenaria, serão revestidas com argamassa de cimento/areia no traço 1:3. A concretagem das paredes em concreto armado deve ser executada com todo o cuidado necessário, para obter faces isentas de defeitos. Em princípio, é dispensado o revestimento destas paredes, mas caso o concreto apresente falhas ou brocas devido ao adensamento mecânico mal executado, a Fiscalização poderá recusar o serviço ou exigir que os trechos com defeitos sejam devidamente escarificados, novamente concretados com o emprego de forma, e revestidos.

As visitas dos poços serão executadas com aduelas de concreto vibrado de 0,40m de comprimento útil e 600mm de diâmetro interno, rejuntado com argamassa de cimento/areia no traço 1:4. Nas visitas e no corpo de caixa do poço deverão ser colocados estribos de ferro fundido, espaçados de 0,40m um do outro. As visitas dos PVs localizados em área verde ou sob

calçada, terão um tampão de ferro fundido do tipo T-105, as dos poços de visita localizados sob as vias, terão tampões de ferro fundido, do tipo T-137.

2.2.9. ATERRO

O aterro das valas para as redes com o emprego de tubos será executado em duas etapas. Na primeira etapa o aterro será executado até a metade da altura dos tubos, devendo ser compactado em camadas não superiores a 20cm (vinte centímetros). Se possível deverá sempre ser usado o mesmo material da escavação devidamente umedecido, evitando-se a parte com presença de matéria orgânica. A compactação das camadas nas redes com diâmetro igual ou menor que 600mm e nas camadas iniciais das redes com diâmetro igual ou maior que 800mm deverá ser executada com soquetes manuais de 15kg (quinze quilogramas) de peso e com 100mm (cem milímetros) de diâmetro. As últimas camadas dos aterros, compactados até a metade da altura do diâmetro dos tubos para as redes com diâmetros igual ou maior que 800mm, serão compactadas por meio de compactadores mecânicos.

De um modo geral, a segunda etapa de execução dos aterros das valas serão efetuadas sem compactação, deixando a sobra amontoada acima do nível natural do terreno, com o fim de compensar futuros abatimentos do aterro, ou espalhada ao redor da vala, de acordo com as instruções da Fiscalização.

Quando da execução de redes ao longo ou em travessias das vias existentes ou projetadas, com programação para implantação imediata, o aterro acima da metade do diâmetro dos tubos deverá ser compactado por meios mecânicos até o nível do terreno, em toda extensão da via, sendo que na travessias, a extensão será de $(L/2)+h$ a partir do eixo do cruzamento, e para cada lado, onde L é igual ao comprimento do trecho da rede compreendido entre dois pontos de cruzamento com os bordos da pista, e h a profundidade da vala em correspondência ao eixo da pista.

A Empreiteira é totalmente responsável por eventuais abatimentos que ocorrerem no pavimento asfáltico, onde a mesma tenha executado aterro de valas. Ocorrendo o abatimento, a Empreiteira será obrigada a refazer o aterro e recompor o pavimento sem ônus para a Contratante.

2.2.10. DESVIO DE TRÁFEGO E SINALIZAÇÃO

Quando houver necessidade de desviar o tráfego, o desvio deverá ser aberto pela Contratada, com largura de 7,0 m, executando-se o devido encascalhamento, afim de permitir o

tráfego permanente de veículos. O desvio do tráfego só será feito depois de devidamente autorizado pelo DETRAN. A sinalização deverá ser feita de acordo com as Normas do DETRAN, por conta da Contratada.

É obrigatória a colocação de sinalização adequada nas obras próximas às vias de tráfego, de acordo com as Normas do Código Nacional de Trânsito (CNT), cabendo à Contratada toda e qualquer responsabilidade relativamente à acidentes que porventura se verifiquem por falta ou insuficiência de sinalização

2.2.11. LIMPEZA DO CANTEIRO

Após a execução das redes, por ocasião de cada medição e no recebimento da obra, toda a área afetada pela execução da obra deverá ser limpa, removendo-se todos os entulhos. A argamassa a ser utilizada deverá ser executada sobre amassadeira de madeira, ficando proibida a execução da mesma sobre o asfalto. Qualquer resto de massa ou entulho que tiverem ficado sobre as pistas ou calçadas, deverão ser varridos e lavados.

2.2.12. REMOÇÃO DO MATERIAL EXCEDENTE

O serviço de carga e transporte, por meio de caminhão, do material excedente proveniente da escavação, até o bota fora, a ser indicado pela Fiscalização, só poderá ser executado excepcionalmente, depois de devidamente autorizado em Diário de Obra pela Fiscalização.

2.2.13. SEGURANÇA DO TRABALHO

Deverá ser observada a Portaria n.º 15, de 18 de agosto de 1972 do Ministério do Trabalho e Previdência Social sobre o assunto, cuja parte do Capítulo III diz respeito a escavação de vala, que passamos a descrever a seguir:

CAPÍTULO III

ESCAVAÇÕES E FUNDAÇÕES

Art. 44

Este Capítulo estabelece medidas de segurança nos trabalhos de escavação realizados nas obras de construção, inclusive trabalhos correlatos, executados, abaixo do nível do solo, entre outros: escoramentos de fundações, muros de arrimo, vias de acesso e redes de abastecimento.

Art. 45

Antes de iniciar a escavação, deverão ser removidos blocos de pedras , árvores e outros elementos próximos a bordos da superfície a ser escavada.

Art. 46

Deverão ser escorados muros e edifícios vizinhos, redes de abastecimento, tubulações, vias de acesso, vias públicas e, de modo geral, todas as estruturas que possam ser afetadas pela escavação.

§ 1º - O escoramento deverá ser inspecionado com freqüência, principalmente após chuvas ou outras ocorrências que aumentem o risco de desabamento.

§ 2º - Quando for necessário rebaixar o lençol d'água do subsolo, serão tomadas providências para evitar danos aos prédios vizinhos.

Art. 47

Os taludes das escavações de profundidade superior à 1,25m (um metro e vinte e cinco centímetros), deverão ser escorados com pranchas metálicas ou de madeira, assegurando estabilidade, de acordo com a natureza do solo.

§ 1º - Será dispensado a exigência de que trata este artigo, quando o ângulo de inclinação do talude for inferior ao ângulo do talude natural.

§ 2º - Nas escavações profundas, com mais de 2,00m (dois metros) serão colocados escadas seguras, próximas aos locais de trabalho, afim de permitir em caso de emergência, a saída rápida do pessoal.

Art. 48

Os materiais retirados da escavação deverão ser depositados a distância superior à 0,50m (cinquenta centímetros) da borda da superfície escavada.

Art. 49

O escoramento dos taludes de escavação deverá ser reforçado nos locais em que houver máquinas e equipamentos operando junto às bordas de superfície escavada.

Art. 50

Nas proximidades de escavação realizadas em vias públicas e canteiros de obra, deverão ser colocados cerca de proteção e sistema adequado de sinalização.

§ 1º - Os pontos de acesso de veículos e equipamentos à área de escavação, deverão ter sinalização de advertência permanente.

§ 2º - *As escavações nas vias públicas devem ser permanentemente sinalizadas.*

Art. 51

O tráfego próximo às escavações deverá ser desviado.

Parágrafo Único - Quando for impossível o desvio do tráfego, deverá ser reduzida à velocidade dos veículos.

2.2.14. DIÁRIO DE OBRA

É de competência da Empreiteira o registro no Diário de Obra de todas as ocorrências diárias, bem como especificar detalhadamente os serviços em execução, devendo a Fiscalização neste mesmo diário, concordar ou retificar o registro da Empresa. Caso o Diário de Obra não seja preenchido no prazo de 48 horas, a Fiscalização poderá fazer o registro que achar conveniente e destacar imediatamente as folhas, ficando a Empreiteira, no caso de dias passíveis de prorrogação ou em qualquer caso, sem direito a nenhuma reivindicação.

2.2.15. INTERFERÊNCIA COM REDES DE OUTRAS CONCESSIONÁRIAS

Antes de iniciar qualquer frente de serviço, a Empreiteira deverá ter solicitado das concessionárias do serviço público o cadastro de suas redes. Todos os pedidos de cadastro deverão ser registrados no Diário de Obra.

Ficou sob responsabilidade do DER a consulta de interferências com redes de infraestrutura implantadas ao longo da rodovia.

3. DE ORDEM AMBIENTAL

Para visualizar os instrumentos legais e dispositivos normativos que regulamentam as questões pertinentes à implantação do sistema de drenagem pluvial das vias do empreendimento em tela sob o prisma ambiental, é disposta, primeiramente, a legislação em nível Federal seguido pelos aspectos legais e normativos no âmbito do Distrito Federal

3.1.1. LEGISLAÇÃO FEDERAL

A legislação ambiental vigente de abrangência nacional aplicada no desenvolvimento deste projeto é o exposto no **Quadro 12**.

Quadro 12 - Legislação Federal.

	Legislação	Conteúdo do Ato Legal
01	Lei Federal nº 9.985/2000	Regulamenta o artigo 225, §1º, incisos I, II, III e VII da CF, institui o Sistema Nacional de Unidades de Conservação – SNUC, estabelece critérios e normas para criação, implantação e gestão de Unidades de Conservação – UC's.
02	Resolução CONAMA nº 307/2002	Estabelece diretrizes critérios e procedimentos para gestão dos Resíduos de Construção Civil.
03	Resolução CONAMA nº 302/2002	Limites de Áreas de Preservação Permanente
04	Resolução CONAMA nº 303/2002	Definições e Áreas de Preservação Permanente
05	Resolução CONAMA nº 10/1988	Trata a utilização das APAs e APPs.
06	Resolução CONAMA nº 237/1997	Revisa procedimentos e critérios utilizados no Licenciamento ambiental.
07	Resolução CONAMA nº13/1990	Competência conjunta dos órgãos licenciadores e dos órgãos responsáveis pelas UCs.
08	Resolução CONAMA nº357/2005	Estabelece diretrizes ambientais para corpos de água e padrões de lançamento de efluentes
09	Resolução CONAMA nº 369/2006	Casos excepcionais que possibilitam a intervenção ou supressão de vegetação em áreas de Preservação Permanente
10	Medida Provisória nº 2. 166-67/2001	Institui o Código Florestal.
11	Lei de Parcelamento de solo nº 6.766/1979	Parcelamento de solo / Lei de Loteamento
12	Lei nº 7.347/1985	Disciplina a ação civil pública de responsabilidade aos danos causados ao meio ambiente.
13	Lei nº 6.902/1981	Cria as estações ecológicas e as Áreas de Proteção.
14	Lei nº 12.651/2012	Novo Código Florestal
15	Lei nº 4.771/1965	Código Florestal
16	Constituição Federal de 1988	Artigo 182
17	Lei nº 271/1967	Loteamento Urbano

3.1.2. LEGISLAÇÃO DO DISTRITO FEDERAL

O IBRAM é o órgão responsável pelas questões referentes ao licenciamento ambiental de atividades potencialmente poluidoras ou degradantes ao meio ambiente do Distrito Federal. No **Quadro 13** abaixo, segue legislação aplicada no desenvolvimento deste projeto no âmbito do Distrito Federal.

Quadro 13- Legislação Ambiental Distrital.

	Legislação	Conteúdo do Ato Legal
01	Lei Distrital nº 1.149 de 07/1996	Institui oficialmente o rezonamento da APA da Bacia do São Bartolomeu.
02	Lei nº 1.823 de 13/01/1998	Aprova o Setor Habitacional São Bartolomeu
03	Lei Complementar Distrital nº 803 de 25/04/2009	Revisão do Plano Diretor de Ordenamento Territorial.
04	Lei Complementar nº 827 de 22/07/2010	Cria o Sistema Distrital de Unidades de conservação da Natureza.
06	Decreto nº 14.783 de 17/06/1993	Dispõe sobre o tombamento de espécies arbóreo-arbustivas e estipular formas de compensação.
07	Decreto nº 88.940/1993	Cria a Bacia do rio São Bartolomeu
08	Decreto nº 23.585/2003	Dispõe sobre tombamento de espécies arbóreo - arbustivas no DF.
09	Decreto Distrital nº 30.315/2009	Define grotas secas.
10	Parecer nº 104/2008 PROMAI/PGDF	Define a cerca de grotas secas serem diferente de cursos d'água.
11	Lei complementar nº461/2002	Estabelece índices de ocupação e uso do solo no condomínio Solar da Serra.
12	Parecer Técnico nº 04/2001	Elaborado pela SEMARH. Parecer Técnico da Subcomissão de Análise do EIA/RIMA dos parcelamentos: Solar da Serra I, II, III, Belvedere Green, Verde, Serrana, Monte Palomar e Morada dos Deuses.
13	Lei nº17. 805/1996	Estabelece os valores para análise de processos de licenciamento ambiental.
14	Decreto nº 88. 940 /83	Cria as Áreas de Proteção Ambiental das Bacias dos Rios São Bartolomeu e Descoberto.
15	Parecer Técnico nº 2.699/2000	Procuradoria Geral do Distrito Federal.
16	Resolução 09/11	Estabelece procedimentos gerais para

	Legislação	Conteúdo do Ato Legal
		requerimento e obtenção de outorga de lançamentos de águas pluviais em corpos hídricos do Distrito Federal.

3.1.3. ASPECTOS AMBIENTAIS

Os principais passivos ambientais decorrentes da implantação do sistema de drenagem na área de influência do projeto (poligonal do empreendimento) são:

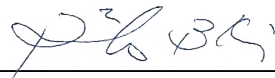
- Formação de processos erosivos decorrentes da concentração do fluxo d'água em caminhos preferenciais quando da implantação do corpo estradal não tendo ainda as valas indicadas no projeto finalizadas;
- Aporte de sedimentos e resíduos a jusante da via, provocando processos de sedimentação e alteração na dinâmica natural dos mesmos;
- Alteração na qualidade da água de áreas a jusante da via devido ao carreamento de óleos, graxas e outros contaminantes provenientes do sistema viário;
- Decapeamento em determinadas áreas do horizonte "A" em função concentração de fluxo e da elevada velocidade de escoamento dos mesmos.

Haja vista a possibilidade de ocorrência dos passivos ambientais acima descritos, segue as devidas recomendações ambientais com o objetivo de minimizar os impactos decorrentes durante a implantação do canteiro de obras, execução e conclusão desta obra, sendo elas:

- O vazamento de graxas e óleos do maquinário utilizado deve ser observado, monitorado e ajustado, evitando-se contaminação do solo e/ou água da bacia local
- Lavagens de caminhões betoneira estão proibidas nas adjacências da obra;
- Indivíduos arbóreo-arbustivos, que estejam fora do local previsto da obra, não deverão ser suprimidos, nem tão pouco a cobertura graminosa existente na área destinada ao canteiro de obras. Contatar a fiscalização caso alguma dessas ações sejam necessárias;
- Quanto à coleta e disposição final de resíduos sólidos e líquidos: todo o lixo produzido no canteiro e próximo à obra deverá ser completamente recolhido, sem queimá-lo, de forma a não produzir odores ou proliferação de insetos e roedores. Não é permitida a disposição de lixo nas áreas de campo. Recomenda-se a separação de lixo orgânico e inorgânico;
- Fogo de qualquer espécie deve ser evitado;
- Banheiros químicos devem ser instalados no canteiro de obras;

- Recomenda-se que toda a vegetação morta e entulhada deva ser removida;
- A camada orgânica deve ser acumulada para posterior utilização na revegetação do local;
- Havendo compensação ambiental é a partir do levantamento quantitativo e qualitativo é que a mesma será estimada.

Responsável Técnico

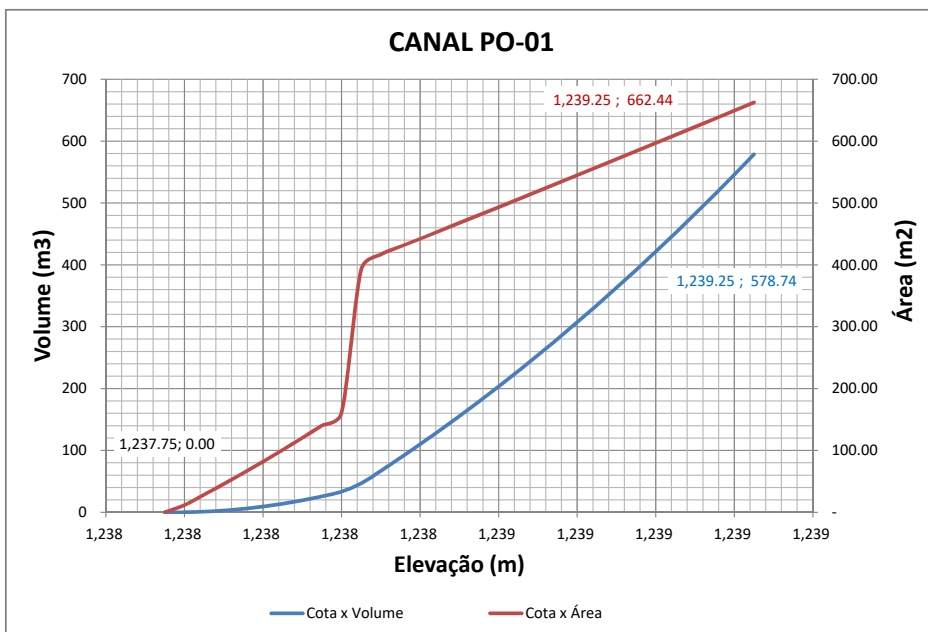
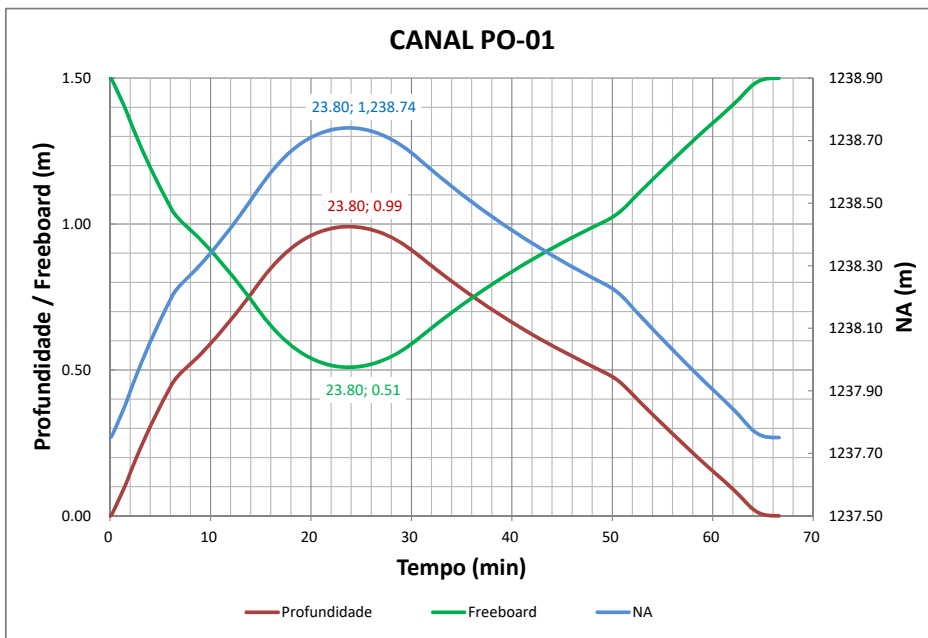
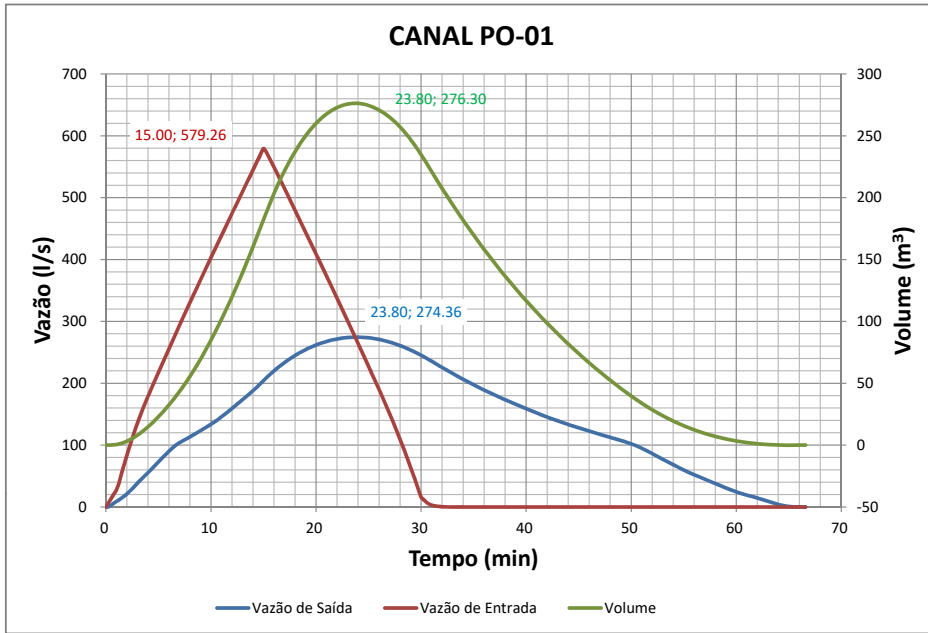


Rômulo Bonelli H. de Faria

Arquiteto

CAU A29557-4

ANEXO 01 - PLANILHA DE DIMENSIONAMENTO DAS VALAS





ARQUITETURA + URBANISMO
 CLN nº 01, B L 8 SL 200 - CEP 70.743-900
 BRASÍLIA - DF - FONE: 01 3014 3700

CANAL: PO-01

DATA: 18.12.2019

IMPULT DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	579.262	1239.250			
VAZÃO DE SAÍDA MAX. (l/s)	23.80	274.364	1237.750			
PROFUNDIDADE MAX. (m)	23.80	0.991	1238.750			
FREEBOARD MIN. (m)	23.80	0.509	1237.750			
NA MAX. (m)	23.80	1,238.741	15.00			
VOLUME MAX (m ³)	23.80	276.30	400.00			
VOLUME TOTAL (m ³)		578.74	150.00			
PROFUNDIDADE TOTAL. (m)		1.50	1.660			
			0.130			
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1237.750	0.000
0.200	5.510	0.000	0.007	1.493	1237.757	0.005
0.400	11.020	1.977	0.020	1.480	1237.770	0.047
0.600	16.530	4.204	0.035	1.465	1237.785	0.147
0.800	22.040	6.602	0.051	1.449	1237.801	0.306
1.000	27.550	8.977	0.066	1.434	1237.816	0.521
1.200	36.252	11.068	0.079	1.421	1237.829	0.784
1.400	48.622	13.261	0.095	1.405	1237.845	1.155
1.600	60.793	15.761	0.112	1.388	1237.862	1.652
1.800	72.470	18.397	0.129	1.371	1237.879	2.268
2.000	83.615	21.056	0.146	1.354	1237.896	2.987
2.200	94.373	23.920	0.164	1.336	1237.914	3.811
2.400	105.268	27.709	0.181	1.319	1237.931	4.734
2.600	116.341	31.337	0.198	1.302	1237.948	5.739
2.800	125.913	34.964	0.214	1.286	1237.964	6.820
3.000	135.093	38.527	0.230	1.270	1237.980	7.973
3.200	144.683	41.993	0.246	1.254	1237.996	9.202
3.400	153.627	45.361	0.262	1.239	1238.012	10.493
3.600	161.878	48.681	0.277	1.223	1238.027	11.840
3.800	170.641	51.936	0.291	1.209	1238.041	13.251
4.000	178.931	55.126	0.306	1.194	1238.056	14.716
4.200	186.306	58.622	0.320	1.180	1238.070	16.238
4.400	194.603	62.300	0.335	1.165	1238.085	17.816
4.600	202.340	65.902	0.348	1.152	1238.098	19.444
4.800	209.416	69.465	0.362	1.138	1238.112	21.111
5.000	217.504	72.952	0.376	1.124	1238.126	22.843
5.200	225.065	76.419	0.389	1.111	1238.139	24.618
5.400	232.762	79.829	0.402	1.098	1238.152	26.442
5.600	240.378	83.201	0.415	1.085	1238.165	28.327
5.800	247.935	86.554	0.428	1.072	1238.178	30.259
6.000	255.520	89.868	0.441	1.059	1238.191	32.237
6.200	262.999	93.144	0.454	1.046	1238.204	34.285
6.400	270.430	96.330	0.465	1.036	1238.215	36.489
6.600	277.929	99.180	0.473	1.027	1238.223	38.690
6.800	286.228	101.613	0.481	1.019	1238.231	40.934
7.000	293.063	103.805	0.488	1.012	1238.238	43.232
7.200	301.447	105.821	0.495	1.005	1238.245	45.574
7.400	308.306	107.728	0.501	0.999	1238.251	47.997
7.600	315.686	109.547	0.507	0.993	1238.257	50.434
7.800	323.095	111.389	0.514	0.986	1238.264	52.949
8.000	330.265	113.274	0.520	0.980	1238.270	55.512
8.200	338.081	115.181	0.527	0.973	1238.277	58.157
8.400	345.042	117.109	0.533	0.967	1238.283	60.852
8.600	352.118	119.082	0.540	0.960	1238.290	63.599
8.800	359.914	121.077	0.547	0.953	1238.297	66.430
9.000	366.832	123.093	0.554	0.946	1238.304	69.313
9.200	373.914	125.154	0.561	0.939	1238.311	72.272
9.400	381.231	127.258	0.568	0.932	1238.318	75.275
9.600	388.729	129.384	0.575	0.925	1238.325	78.353
9.800	395.632	131.532	0.583	0.917	1238.333	81.477
10.000	402.702	133.724	0.590	0.910	1238.340	84.678
10.200	410.383	135.960	0.598	0.902	1238.348	87.926
10.400	417.084	138.217	0.606	0.894	1238.356	91.252
10.600	424.192	140.497	0.613	0.887	1238.363	94.626
10.800	431.793	143.077	0.621	0.879	1238.371	98.047
11.000	438.447	145.689	0.629	0.871	1238.379	101.549
11.200	445.561	148.325	0.637	0.863	1238.387	105.068
11.400	452.264	150.985	0.645	0.855	1238.395	108.669
11.600	459.733	153.670	0.654	0.846	1238.404	112.287
11.800	467.586	156.380	0.662	0.838	1238.412	115.988
12.000	473.832	159.114	0.670	0.830	1238.420	119.741
12.200	481.969	161.896	0.679	0.821	1238.429	123.544
12.400	487.979	164.679	0.687	0.813	1238.437	127.400
12.600	495.981	167.510	0.696	0.804	1238.446	131.308
12.800	502.241	170.342	0.705	0.795	1238.455	135.270
13.000	509.080	173.222	0.714	0.786	1238.464	139.284
13.200	516.770	176.102	0.722	0.778	1238.472	143.353

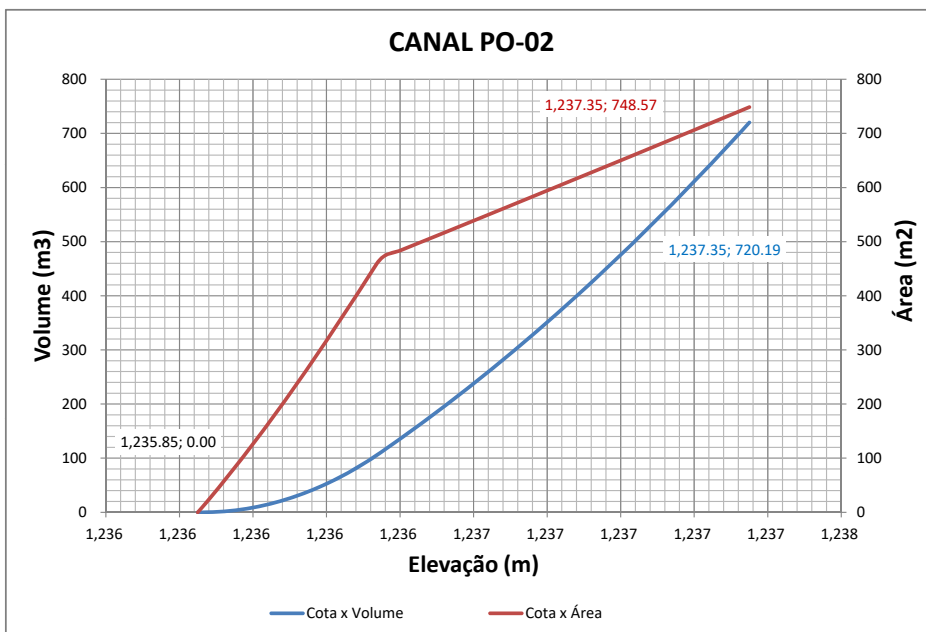
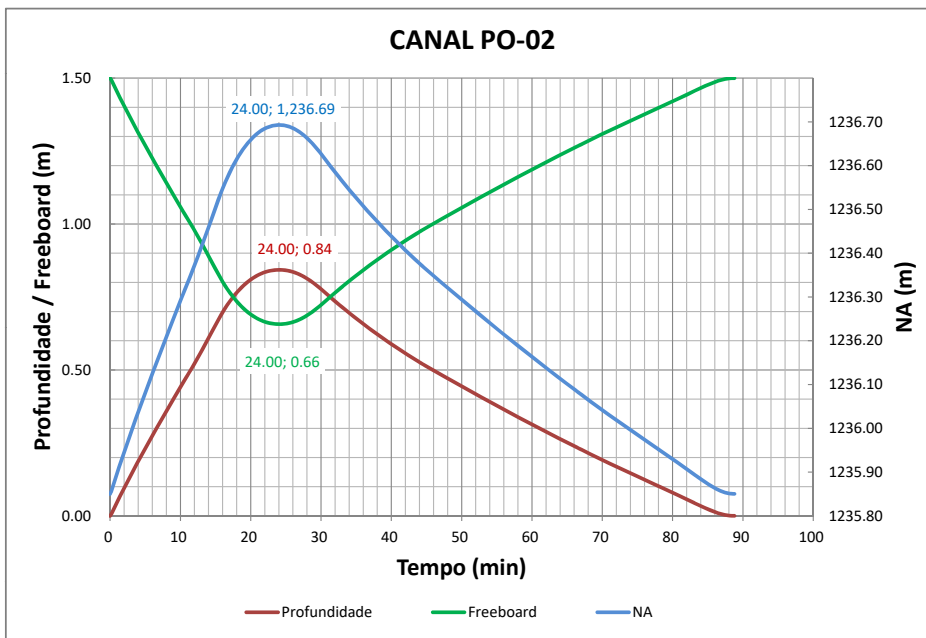
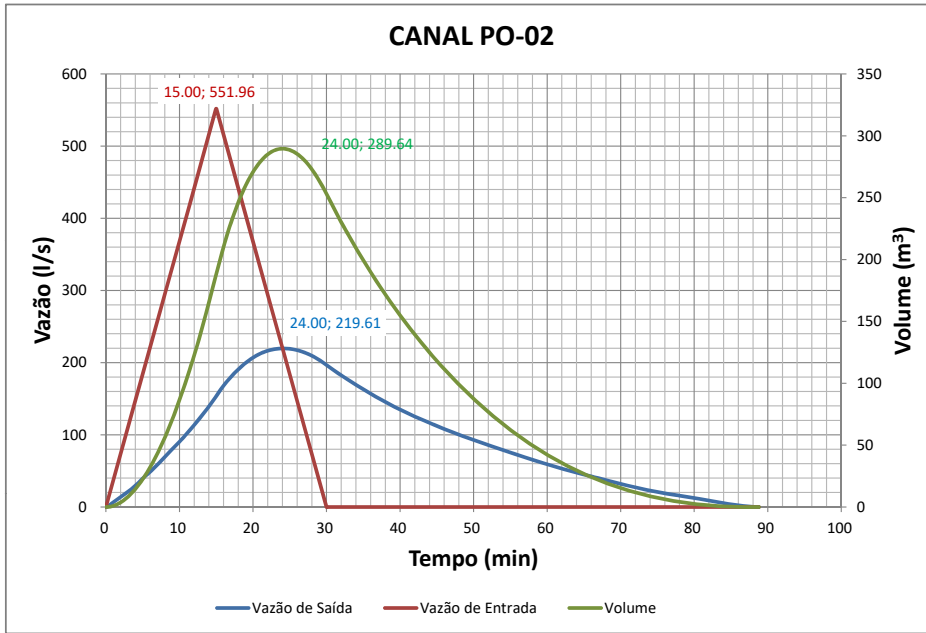
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
13.400	524.278	179.031	0.731	0.769	1238.481	147.476
13.600	530.655	181.960	0.740	0.760	1238.490	151.620
13.800	537.084	184.914	0.749	0.751	1238.499	155.853
14.000	544.722	187.892	0.758	0.742	1238.508	160.108
14.200	551.321	190.899	0.768	0.732	1238.518	164.383
14.400	559.161	194.181	0.777	0.723	1238.527	168.751
14.600	564.971	197.490	0.786	0.714	1238.536	173.140
14.800	572.997	200.798	0.795	0.705	1238.545	177.586
15.000	579.262	204.160	0.805	0.695	1238.555	182.091
15.200	575.620	207.495	0.814	0.686	1238.564	186.546
15.400	569.789	210.777	0.823	0.677	1238.573	190.914
15.600	563.167	213.952	0.832	0.668	1238.582	195.158
15.800	556.553	217.020	0.840	0.660	1238.590	199.275
16.000	549.538	219.982	0.848	0.652	1238.598	203.264
16.200	542.584	222.837	0.856	0.644	1238.606	207.159
16.400	535.755	225.639	0.864	0.636	1238.614	210.959
16.600	528.897	228.333	0.871	0.629	1238.621	214.626
16.800	521.968	230.921	0.878	0.622	1238.628	218.158
17.000	514.895	233.430	0.885	0.615	1238.635	221.627
17.200	507.833	235.858	0.892	0.608	1238.642	224.960
17.400	500.712	238.179	0.898	0.602	1238.648	228.153
17.600	493.810	240.393	0.904	0.596	1238.654	231.243
17.800	486.953	242.555	0.910	0.590	1238.660	234.229
18.000	479.852	244.609	0.916	0.584	1238.666	237.110
18.200	472.824	246.698	0.921	0.579	1238.671	239.885
18.400	465.802	248.711	0.926	0.574	1238.676	242.515
18.600	458.588	250.639	0.931	0.569	1238.681	245.075
18.800	451.652	252.481	0.936	0.564	1238.686	247.526
19.000	444.714	254.267	0.940	0.560	1238.690	249.868
19.200	437.585	255.939	0.945	0.555	1238.695	252.100
19.400	430.454	257.555	0.949	0.551	1238.699	254.221
19.600	423.254	259.057	0.953	0.547	1238.703	256.230
19.800	416.296	260.503	0.956	0.544	1238.706	258.166
20.000	409.126	261.892	0.960	0.540	1238.710	259.988
20.200	402.063	263.196	0.963	0.537	1238.713	261.736
20.400	395.113	264.415	0.966	0.534	1238.716	263.332
20.600	387.820	265.549	0.969	0.531	1238.719	264.851
20.800	380.539	266.597	0.972	0.528	1238.722	266.256
21.000	373.561	267.590	0.974	0.526	1238.724	267.584
21.200	366.382	268.525	0.977	0.523	1238.727	268.797
21.400	359.046	269.375	0.979	0.521	1238.729	269.932
21.600	351.952	270.169	0.981	0.519	1238.731	270.991
21.800	344.799	270.878	0.983	0.517	1238.733	271.932
22.000	337.509	271.530	0.984	0.516	1238.734	272.796
22.200	330.334	272.125	0.986	0.514	1238.736	273.543
22.400	323.090	272.635	0.987	0.513	1238.737	274.211
22.600	315.713	273.060	0.988	0.512	1238.738	274.762
22.800	308.561	273.429	0.989	0.511	1238.739	275.234
23.000	301.295	273.741	0.990	0.510	1238.740	275.628
23.200	293.872	273.996	0.990	0.510	1238.740	275.943
23.400	286.601	274.194	0.991	0.509	1238.741	276.140
23.600	279.283	274.308	0.991	0.509	1238.741	276.258
23.800	272.022	274.364	0.991	0.509	1238.741	276.298
24.000	264.420	274.336	0.991	0.509	1238.741	276.219
24.200	257.124	274.251	0.991	0.509	1238.741	276.061
24.400	249.816	274.109	0.990	0.510	1238.740	275.825
24.600	242.356	273.911	0.990	0.511	1238.740	275.510
24.800	234.944	273.656	0.989	0.511	1238.739	275.077
25.000	227.441	273.315	0.988	0.512	1238.738	274.565
25.200	219.962	272.919	0.987	0.513	1238.737	273.975
25.400	212.240	272.465	0.985	0.515	1238.735	273.307
25.600	204.800	271.955	0.984	0.516	1238.734	272.560
25.800	197.227	271.388	0.982	0.518	1238.732	271.736
26.000	189.572	270.764	0.981	0.519	1238.731	270.834
26.200	181.919	270.056	0.979	0.521	1238.729	269.815
26.400	174.206	269.290	0.977	0.523	1238.727	268.718
26.600	166.502	268.468	0.974	0.526	1238.724	267.545
26.800	158.700	267.590	0.972	0.528	1238.722	266.295
27.000	150.866	266.654	0.969	0.531	1238.719	264.968
27.200	142.990	265.662	0.967	0.533	1238.717	263.565
27.400	134.912	264.613	0.964	0.536	1238.714	262.086
27.600	126.773	263.508	0.961	0.539	1238.711	260.532
27.800	118.578	262.346	0.958	0.542	1238.708	258.902
28.000	110.348	261.127	0.955	0.545	1238.705	257.159
28.200	101.816	259.823	0.951	0.549	1238.701	255.341
28.400	92.686	258.462	0.947	0.553	1238.697	253.449
28.600	83.210	257.016	0.944	0.556	1238.694	251.446
28.800	73.535	255.514	0.939	0.561	1238.689	249.330
29.000	63.916	253.927	0.935	0.565	1238.685	247.143
29.200	54.301	252.283	0.931	0.569	1238.681	244.845
29.400	44.864	250.553	0.926	0.574	1238.676	242.476
29.600	34.821	248.739	0.921	0.579	1238.671	239.999
29.800	25.458	246.868	0.916	0.584	1238.666	237.451

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
30.000	16.244	244.956	0.911	0.589	1238.661	234.796
30.200	12.557	243.062	0.906	0.594	1238.656	232.111
30.400	9.262	241.167	0.900	0.600	1238.650	229.395
30.600	6.410	239.219	0.895	0.605	1238.645	226.649
30.800	4.480	237.272	0.890	0.610	1238.640	223.910
31.000	3.086	235.324	0.884	0.616	1238.634	221.179
31.200	2.208	233.376	0.879	0.621	1238.629	218.456
31.400	1.495	231.402	0.873	0.627	1238.623	215.703
31.600	1.027	229.454	0.868	0.632	1238.618	212.994
31.800	0.778	227.506	0.862	0.638	1238.612	210.294
32.000	0.165	225.559	0.857	0.643	1238.607	207.601
32.200	0.216	223.611	0.852	0.648	1238.602	204.952
32.400	0.172	221.690	0.846	0.654	1238.596	202.311
32.600	0.151	219.769	0.841	0.659	1238.591	199.677
32.800	0.099	217.848	0.835	0.665	1238.585	197.051
33.000	0.087	215.927	0.830	0.670	1238.580	194.431
33.200	0.000	214.032	0.825	0.675	1238.575	191.892
33.400	0.000	212.164	0.820	0.680	1238.570	189.360
33.600	0.000	210.297	0.814	0.686	1238.564	186.834
33.800	0.000	208.429	0.809	0.691	1238.559	184.316
34.000	0.000	206.561	0.804	0.696	1238.554	181.804
34.200	0.000	204.720	0.799	0.701	1238.549	179.371
34.400	0.000	202.906	0.794	0.706	1238.544	176.945
34.600	0.000	201.092	0.789	0.711	1238.539	174.525
34.800	0.000	199.277	0.784	0.716	1238.534	172.111
35.000	0.000	197.463	0.779	0.721	1238.529	169.740
35.200	0.000	195.702	0.774	0.726	1238.524	167.410
35.400	0.000	193.941	0.769	0.731	1238.519	165.086
35.600	0.000	192.180	0.764	0.736	1238.514	162.769
35.800	0.000	190.430	0.759	0.741	1238.509	160.457
36.000	0.000	188.819	0.754	0.746	1238.504	158.187
36.200	0.000	187.257	0.750	0.750	1238.500	155.957
36.400	0.000	185.695	0.745	0.755	1238.495	153.734
36.600	0.000	184.133	0.740	0.760	1238.490	151.516
36.800	0.000	182.571	0.735	0.765	1238.485	149.304
37.000	0.000	181.009	0.731	0.769	1238.481	147.097
37.200	0.000	179.471	0.726	0.774	1238.476	144.965
37.400	0.000	177.957	0.721	0.779	1238.471	142.839
37.600	0.000	176.444	0.717	0.783	1238.467	140.718
37.800	0.000	174.931	0.712	0.788	1238.462	138.602
38.000	0.000	173.417	0.707	0.793	1238.457	136.492
38.200	0.000	171.928	0.703	0.797	1238.453	134.455
38.400	0.000	170.464	0.699	0.801	1238.449	132.424
38.600	0.000	168.999	0.694	0.806	1238.444	130.397
38.800	0.000	167.535	0.690	0.810	1238.440	128.375
39.000	0.000	166.070	0.685	0.815	1238.435	126.359
39.200	0.000	164.606	0.681	0.819	1238.431	124.381
39.400	0.000	163.190	0.676	0.824	1238.426	122.441
39.600	0.000	161.774	0.672	0.828	1238.422	120.507
39.800	0.000	160.358	0.668	0.832	1238.418	118.576
40.000	0.000	158.943	0.663	0.837	1238.413	116.651
40.200	0.000	157.527	0.659	0.841	1238.409	114.731
40.400	0.000	156.136	0.655	0.845	1238.405	112.881
40.600	0.000	154.769	0.651	0.849	1238.401	111.035
40.800	0.000	153.402	0.647	0.853	1238.397	109.194
41.000	0.000	152.035	0.643	0.858	1238.393	107.358
41.200	0.000	150.668	0.638	0.862	1238.388	105.526
41.400	0.000	149.301	0.634	0.866	1238.384	103.730
41.600	0.000	147.983	0.630	0.870	1238.380	101.972
41.800	0.000	146.665	0.626	0.874	1238.376	100.218
42.000	0.000	145.347	0.622	0.878	1238.372	98.468
42.200	0.000	144.029	0.618	0.882	1238.368	96.722
42.400	0.000	142.711	0.614	0.886	1238.364	94.980
42.600	0.000	141.417	0.610	0.890	1238.360	93.306
42.800	0.000	140.190	0.606	0.894	1238.356	91.637
43.000	0.000	139.050	0.603	0.897	1238.353	89.971
43.200	0.000	137.911	0.599	0.901	1238.349	88.309
43.400	0.000	136.771	0.595	0.905	1238.345	86.650
43.600	0.000	135.631	0.591	0.909	1238.341	84.996
43.800	0.000	134.513	0.587	0.913	1238.337	83.409
44.000	0.000	133.417	0.583	0.917	1238.333	81.825
44.200	0.000	132.321	0.580	0.920	1238.330	80.245
44.400	0.000	131.225	0.576	0.924	1238.326	78.668
44.600	0.000	130.129	0.572	0.928	1238.322	77.095
44.800	0.000	129.033	0.569	0.931	1238.319	75.525
45.000	0.000	127.937	0.565	0.935	1238.315	73.959
45.200	0.000	126.863	0.561	0.939	1238.311	72.459
45.400	0.000	125.811	0.558	0.942	1238.308	70.962
45.600	0.000	124.759	0.554	0.946	1238.304	69.468
45.800	0.000	123.707	0.551	0.949	1238.301	67.978
46.000	0.000	122.655	0.547	0.953	1238.297	66.492
46.200	0.000	121.603	0.543	0.957	1238.293	65.012
46.400	0.000	120.551	0.540	0.960	1238.290	63.538

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
46.600	0.000	119.521	0.536	0.964	1238.286	62.131
46.800	0.000	118.512	0.533	0.967	1238.283	60.730
47.000	0.000	117.504	0.530	0.970	1238.280	59.335
47.200	0.000	116.496	0.526	0.974	1238.276	57.945
47.400	0.000	115.487	0.523	0.977	1238.273	56.562
47.600	0.000	114.479	0.519	0.981	1238.269	55.183
47.800	0.000	113.471	0.516	0.984	1238.266	53.811
48.000	0.000	112.463	0.513	0.988	1238.263	52.444
48.200	0.000	111.454	0.509	0.991	1238.259	51.083
48.400	0.000	110.446	0.506	0.994	1238.256	49.757
48.600	0.000	109.482	0.502	0.998	1238.252	48.466
48.800	0.000	108.517	0.499	1.001	1238.249	47.181
49.000	0.000	107.553	0.496	1.004	1238.246	45.906
49.200	0.000	106.544	0.492	1.008	1238.242	44.629
49.400	0.000	105.492	0.489	1.011	1238.239	43.384
49.600	0.000	104.418	0.485	1.015	1238.235	42.149
49.800	0.000	103.300	0.481	1.019	1238.231	40.911
50.000	0.000	102.117	0.477	1.023	1238.227	39.702
50.200	0.000	100.867	0.473	1.027	1238.223	38.511
50.400	0.000	99.574	0.468	1.032	1238.218	37.352
50.600	0.000	98.171	0.463	1.037	1238.213	36.188
50.800	0.000	96.659	0.458	1.042	1238.208	35.066
51.000	0.000	95.079	0.452	1.048	1238.202	33.963
51.200	0.000	93.412	0.445	1.055	1238.195	32.860
51.400	0.000	91.611	0.438	1.062	1238.188	31.759
51.600	0.000	89.810	0.431	1.069	1238.181	30.679
51.800	0.000	88.010	0.424	1.076	1238.174	29.618
52.000	0.000	86.209	0.417	1.083	1238.167	28.578
52.200	0.000	84.408	0.410	1.090	1238.160	27.558
52.400	0.000	82.607	0.403	1.097	1238.153	26.558
52.600	0.000	80.806	0.396	1.104	1238.146	25.588
52.800	0.000	79.044	0.389	1.111	1238.139	24.648
53.000	0.000	77.281	0.382	1.118	1238.132	23.726
53.200	0.000	75.519	0.376	1.124	1238.126	22.823
53.400	0.000	73.756	0.369	1.131	1238.119	21.939
53.600	0.000	71.994	0.362	1.138	1238.112	21.074
53.800	0.000	70.231	0.355	1.145	1238.105	20.227
54.000	0.000	68.469	0.348	1.152	1238.098	19.399
54.200	0.000	66.706	0.341	1.159	1238.091	18.599
54.400	0.000	64.982	0.335	1.165	1238.085	17.824
54.600	0.000	63.258	0.328	1.172	1238.078	17.067
54.800	0.000	61.534	0.321	1.179	1238.071	16.327
55.000	0.000	59.810	0.315	1.185	1238.065	15.605
55.200	0.000	58.085	0.308	1.192	1238.058	14.908
55.400	0.000	56.405	0.301	1.199	1238.051	14.236
55.600	0.000	54.980	0.295	1.205	1238.045	13.580
55.800	0.000	53.555	0.288	1.212	1238.038	12.941
56.000	0.000	52.130	0.282	1.218	1238.032	12.317
56.200	0.000	50.705	0.275	1.225	1238.025	11.710
56.400	0.000	49.280	0.269	1.231	1238.019	11.119
56.600	0.000	47.855	0.262	1.238	1238.012	10.544
56.800	0.000	46.430	0.256	1.244	1238.006	9.986
57.000	0.000	45.005	0.249	1.251	1237.999	9.444
57.200	0.000	43.580	0.242	1.258	1237.992	8.917
57.400	0.000	42.155	0.236	1.264	1237.986	8.407
57.600	0.000	40.730	0.229	1.271	1237.979	7.917
57.800	0.000	39.337	0.223	1.277	1237.973	7.449
58.000	0.000	37.944	0.217	1.283	1237.967	6.995
58.200	0.000	36.551	0.210	1.290	1237.960	6.557
58.400	0.000	35.159	0.204	1.296	1237.954	6.133
58.600	0.000	33.766	0.197	1.303	1237.947	5.725
58.800	0.000	32.373	0.191	1.309	1237.941	5.336
59.000	0.000	31.013	0.185	1.315	1237.935	4.965
59.200	0.000	29.653	0.179	1.321	1237.929	4.608
59.400	0.000	28.292	0.172	1.328	1237.922	4.266
59.600	0.000	26.948	0.166	1.334	1237.916	3.944
59.800	0.000	25.620	0.160	1.340	1237.910	3.636
60.000	0.000	24.292	0.154	1.346	1237.904	3.342
60.200	0.000	23.068	0.148	1.352	1237.898	3.067
60.400	0.000	22.159	0.142	1.358	1237.892	2.801
60.600	0.000	21.227	0.136	1.364	1237.886	2.545
60.800	0.000	20.295	0.130	1.370	1237.880	2.302
61.000	0.000	19.363	0.124	1.376	1237.874	2.072
61.200	0.000	18.431	0.118	1.382	1237.868	1.852
61.400	0.000	17.477	0.111	1.389	1237.861	1.643
61.600	0.000	16.522	0.105	1.395	1237.855	1.445
61.800	0.000	15.545	0.099	1.401	1237.849	1.259
62.000	0.000	14.568	0.092	1.408	1237.842	1.084
62.200	0.000	13.568	0.086	1.414	1237.836	0.922
62.400	0.000	12.557	0.079	1.421	1237.829	0.771
62.600	0.000	11.534	0.072	1.428	1237.822	0.634
62.800	0.000	10.488	0.065	1.435	1237.815	0.510
63.000	0.000	9.409	0.058	1.442	1237.808	0.398

CANAL PO-01 - V002

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
63.200	0.000	8.307	0.051	1.449	1237.801	0.300
63.400	0.000	7.136	0.043	1.457	1237.793	0.216
63.600	0.000	6.000	0.036	1.464	1237.786	0.150
63.800	0.000	4.954	0.029	1.471	1237.779	0.100
64.000	0.000	4.000	0.023	1.477	1237.773	0.064
64.200	0.000	3.159	0.018	1.482	1237.768	0.039
64.400	0.000	2.432	0.014	1.486	1237.764	0.022
64.600	0.000	1.818	0.010	1.490	1237.760	0.012
64.800	0.000	1.330	0.007	1.493	1237.757	0.006
65.000	0.000	0.943	0.005	1.495	1237.755	0.003
65.200	0.000	0.659	0.004	1.496	1237.754	0.002
65.400	0.000	0.455	0.002	1.498	1237.752	0.001
65.600	0.000	0.307	0.002	1.498	1237.752	0.000
65.800	0.000	0.205	0.001	1.499	1237.751	0.000
66.000	0.000	0.136	0.001	1.499	1237.751	0.000
66.200	0.000	0.091	0.001	1.499	1237.751	0.000
66.400	0.000	0.000	0.000	1.500	1237.750	0.000
66.600	0.000	0.000	0.000	1.500	1237.750	0.000





ARQUITETURA + URBANISMO
 CLN nº 01.835.900 - CEP 05.243.900
 BRASÍLIA - DF - FONE: 01.3014.3700

CANAL: PO-02

DATA: 18.12.2019

IMPULT DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	551.960	COTA DE FUNDO JUSANTE (m)			
VAZÃO DE SAÍDA MAX. (l/s)	24.00	219.609	COTA VERTEDOURO (m)			
PROFUNDIDADE MAX. (m)	24.00	0.843	COTA DO ORIFÍCIO (m)			
FREEBOARD MIN. (m)	24.00	0.657	VERTEDOURO DE CONTROLE (cm)			
NA MAX. (m)	24.00	1,236.693	VERTEDOURO DE DESCARGA (cm)			
VOLUME MAX (m ³)	24.00	289.64	DRENO DE FUNDO 3X ø (mm)			
VOLUME TOTAL (m ³)		720.19	COEF. DE DESCARGA DO VERTEDOURO			
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO			
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1235.850	0.000
0.200	7.359	0.364	0.007	1.493	1235.857	0.021
0.400	14.719	1.875	0.017	1.483	1235.867	0.118
0.600	22.078	3.409	0.027	1.473	1235.877	0.294
0.800	29.438	4.943	0.037	1.463	1235.887	0.550
1.000	36.797	6.489	0.047	1.453	1235.897	0.884
1.200	44.157	8.023	0.058	1.442	1235.908	1.300
1.400	51.516	9.534	0.067	1.433	1235.917	1.786
1.600	58.876	11.000	0.077	1.423	1235.927	2.339
1.800	66.235	12.454	0.086	1.414	1235.936	2.965
2.000	73.595	13.886	0.096	1.404	1235.946	3.662
2.200	80.954	15.318	0.105	1.395	1235.955	4.428
2.400	88.314	16.727	0.114	1.386	1235.964	5.263
2.600	95.673	18.136	0.123	1.377	1235.973	6.174
2.800	103.033	19.545	0.133	1.367	1235.983	7.160
3.000	110.392	20.954	0.142	1.358	1235.992	8.213
3.200	117.752	22.340	0.151	1.349	1236.001	9.330
3.400	125.111	23.920	0.160	1.340	1236.010	10.521
3.600	132.471	25.896	0.169	1.331	1236.019	11.788
3.800	139.830	27.855	0.178	1.322	1236.028	13.107
4.000	147.189	29.798	0.187	1.313	1236.037	14.499
4.200	154.549	31.742	0.196	1.304	1236.046	15.951
4.400	161.908	33.653	0.204	1.296	1236.054	17.461
4.600	169.268	35.564	0.213	1.287	1236.063	19.044
4.800	176.627	37.474	0.222	1.278	1236.072	20.699
5.000	183.987	39.385	0.231	1.269	1236.081	22.426
5.200	191.346	41.280	0.239	1.261	1236.089	24.195
5.400	198.706	43.159	0.248	1.252	1236.098	26.034
5.600	206.065	45.037	0.257	1.243	1236.107	27.943
5.800	213.425	46.916	0.265	1.235	1236.115	29.924
6.000	220.784	48.794	0.274	1.226	1236.124	31.978
6.200	228.144	50.673	0.283	1.217	1236.133	34.103
6.400	235.503	52.535	0.291	1.209	1236.141	36.262
6.600	242.863	54.381	0.300	1.200	1236.150	38.491
6.800	250.222	56.227	0.308	1.192	1236.158	40.790
7.000	257.581	58.373	0.317	1.183	1236.167	43.161
7.200	264.941	60.557	0.325	1.175	1236.175	45.603
7.400	272.300	62.741	0.334	1.166	1236.184	48.116
7.600	279.660	64.905	0.342	1.158	1236.192	50.655
7.800	287.019	67.051	0.350	1.150	1236.200	53.264
8.000	294.379	69.197	0.359	1.141	1236.209	55.942
8.200	301.738	71.342	0.367	1.133	1236.217	58.691
8.400	309.098	73.488	0.375	1.125	1236.225	61.511
8.600	316.457	75.634	0.384	1.116	1236.234	64.402
8.800	323.817	77.760	0.392	1.108	1236.242	67.310
9.000	331.176	79.868	0.400	1.100	1236.250	70.287
9.200	338.536	81.975	0.408	1.092	1236.258	73.333
9.400	345.895	84.082	0.416	1.084	1236.266	76.449
9.600	353.255	86.190	0.424	1.076	1236.274	79.635
9.800	360.614	88.297	0.433	1.067	1236.283	82.892
10.000	367.974	90.404	0.441	1.059	1236.291	86.219
10.200	375.333	92.512	0.449	1.051	1236.299	89.616
10.400	382.692	94.619	0.457	1.043	1236.307	93.083
10.600	390.052	96.856	0.465	1.035	1236.315	96.550
10.800	397.411	99.223	0.473	1.027	1236.323	100.081
11.000	404.771	101.591	0.481	1.019	1236.331	103.676
11.200	412.130	103.958	0.489	1.011	1236.339	107.335
11.400	419.490	106.325	0.497	1.003	1236.347	111.057
11.600	426.849	108.692	0.505	0.995	1236.355	114.833
11.800	434.209	111.082	0.514	0.986	1236.364	118.699
12.000	441.568	113.493	0.522	0.978	1236.372	122.584
12.200	448.928	115.926	0.530	0.970	1236.380	126.558
12.400	456.287	118.381	0.539	0.961	1236.389	130.588
12.600	463.647	120.879	0.547	0.953	1236.397	134.672
12.800	471.006	123.378	0.556	0.944	1236.406	138.813
13.000	478.366	125.921	0.564	0.936	1236.414	143.010
13.200	485.725	128.463	0.573	0.927	1236.423	147.264

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	493.084	131.050	0.582	0.918	1236.432	151.575
13.600	500.444	133.636	0.591	0.909	1236.441	155.944
13.800	507.803	136.267	0.599	0.901	1236.449	160.372
14.000	515.163	138.897	0.608	0.892	1236.458	164.860
14.200	522.522	141.686	0.618	0.882	1236.468	169.406
14.400	529.882	144.664	0.627	0.873	1236.477	173.976
14.600	537.241	147.666	0.636	0.864	1236.486	178.644
14.800	544.601	150.693	0.645	0.855	1236.495	183.335
15.000	551.960	153.719	0.654	0.846	1236.504	188.088
15.200	544.602	156.770	0.664	0.836	1236.514	192.788
15.400	537.242	159.724	0.672	0.828	1236.522	197.358
15.600	529.883	162.580	0.681	0.819	1236.531	201.794
15.800	522.523	165.338	0.689	0.811	1236.539	206.134
16.000	515.164	168.047	0.697	0.803	1236.547	210.377
16.200	507.804	170.659	0.705	0.795	1236.555	214.480
16.400	500.445	173.173	0.713	0.787	1236.563	218.444
16.600	493.085	175.590	0.720	0.780	1236.570	222.304
16.800	485.726	177.957	0.727	0.773	1236.577	226.061
17.000	478.366	180.227	0.734	0.766	1236.584	229.672
17.200	471.007	182.424	0.740	0.760	1236.590	233.216
17.400	463.647	184.548	0.747	0.753	1236.597	236.613
17.600	456.288	186.574	0.753	0.747	1236.603	239.899
17.800	448.928	188.551	0.759	0.741	1236.609	243.076
18.000	441.569	190.430	0.764	0.736	1236.614	246.141
18.200	434.210	192.420	0.770	0.730	1236.620	249.093
18.400	426.850	194.315	0.775	0.725	1236.625	251.931
18.600	419.491	196.156	0.780	0.720	1236.630	254.655
18.800	412.131	197.917	0.785	0.715	1236.635	257.304
19.000	404.772	199.597	0.789	0.711	1236.639	259.796
19.200	397.412	201.198	0.794	0.706	1236.644	262.212
19.400	390.053	202.719	0.798	0.702	1236.648	264.510
19.600	382.693	204.187	0.802	0.698	1236.652	266.689
19.800	375.334	205.574	0.806	0.694	1236.656	268.790
20.000	367.974	206.881	0.809	0.691	1236.659	270.771
20.200	360.615	208.136	0.813	0.687	1236.663	272.631
20.400	353.255	209.309	0.816	0.684	1236.666	274.412
20.600	345.896	210.403	0.819	0.681	1236.669	276.071
20.800	338.536	211.444	0.822	0.678	1236.672	277.649
21.000	331.177	212.431	0.824	0.676	1236.674	279.105
21.200	323.818	213.338	0.827	0.673	1236.677	280.479
21.400	316.458	214.192	0.829	0.671	1236.679	281.772
21.600	309.099	214.966	0.831	0.669	1236.681	282.941
21.800	301.739	215.686	0.833	0.667	1236.683	284.027
22.000	294.380	216.353	0.835	0.665	1236.685	284.989
22.200	287.020	216.940	0.836	0.664	1236.686	285.867
22.400	279.661	217.474	0.838	0.662	1236.688	286.663
22.600	272.301	217.954	0.839	0.661	1236.689	287.376
22.800	264.942	218.355	0.840	0.660	1236.690	287.963
23.000	257.582	218.701	0.841	0.659	1236.691	288.466
23.200	250.223	218.995	0.842	0.658	1236.692	288.886
23.400	242.863	219.235	0.842	0.658	1236.692	289.222
23.600	235.504	219.422	0.843	0.657	1236.693	289.474
23.800	228.144	219.555	0.843	0.657	1236.693	289.600
24.000	220.785	219.609	0.843	0.657	1236.693	289.642
24.200	213.425	219.609	0.843	0.657	1236.693	289.600
24.400	206.066	219.555	0.843	0.657	1236.693	289.474
24.600	198.707	219.448	0.842	0.658	1236.692	289.264
24.800	191.347	219.288	0.842	0.658	1236.692	288.970
25.000	183.988	219.075	0.841	0.659	1236.691	288.592
25.200	176.628	218.808	0.840	0.660	1236.690	288.131
25.400	169.269	218.488	0.839	0.661	1236.689	287.585
25.600	161.909	218.114	0.838	0.662	1236.688	286.957
25.800	154.550	217.687	0.837	0.663	1236.687	286.244
26.000	147.190	217.207	0.836	0.664	1236.686	285.449
26.200	139.831	216.674	0.834	0.666	1236.684	284.570
26.400	132.471	216.087	0.832	0.668	1236.682	283.609
26.600	125.112	215.446	0.830	0.670	1236.680	282.565
26.800	117.752	214.753	0.828	0.672	1236.678	281.438
27.000	110.393	214.005	0.826	0.674	1236.676	280.229
27.200	103.033	213.205	0.824	0.676	1236.674	278.939
27.400	95.674	212.351	0.822	0.678	1236.672	277.566
27.600	88.315	211.444	0.819	0.681	1236.669	276.113
27.800	80.955	210.483	0.816	0.684	1236.666	274.619
28.000	73.596	209.496	0.813	0.687	1236.663	273.045
28.200	66.236	208.456	0.810	0.690	1236.660	271.391
28.400	58.877	207.362	0.807	0.693	1236.657	269.656
28.600	51.517	206.214	0.804	0.696	1236.654	267.842
28.800	44.158	205.014	0.801	0.699	1236.651	265.948
29.000	36.798	203.760	0.797	0.703	1236.647	263.976
29.200	29.439	202.452	0.793	0.707	1236.643	261.925
29.400	22.079	201.092	0.789	0.711	1236.639	259.796
29.600	14.720	199.704	0.786	0.714	1236.636	257.631
29.800	7.360	198.263	0.781	0.719	1236.631	255.388

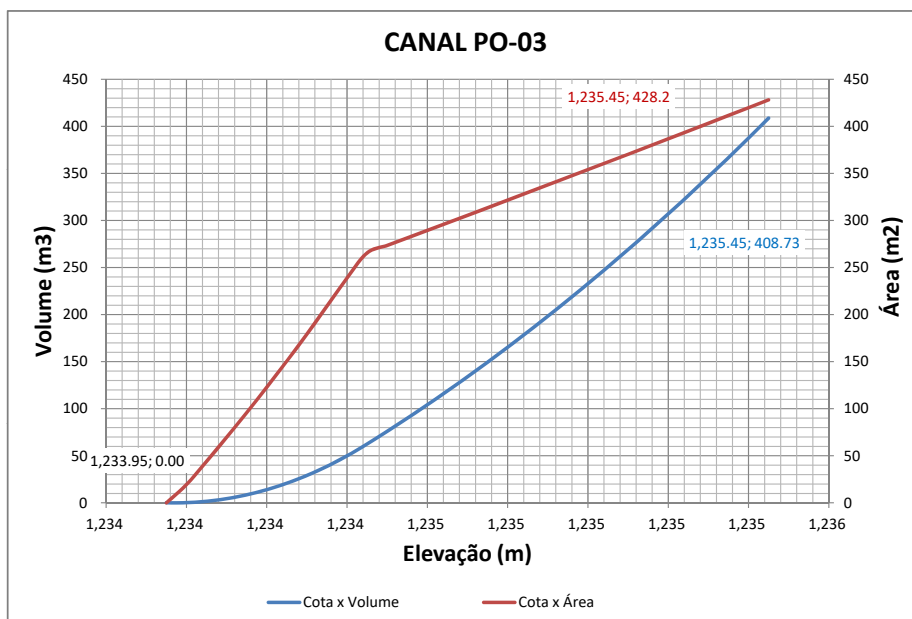
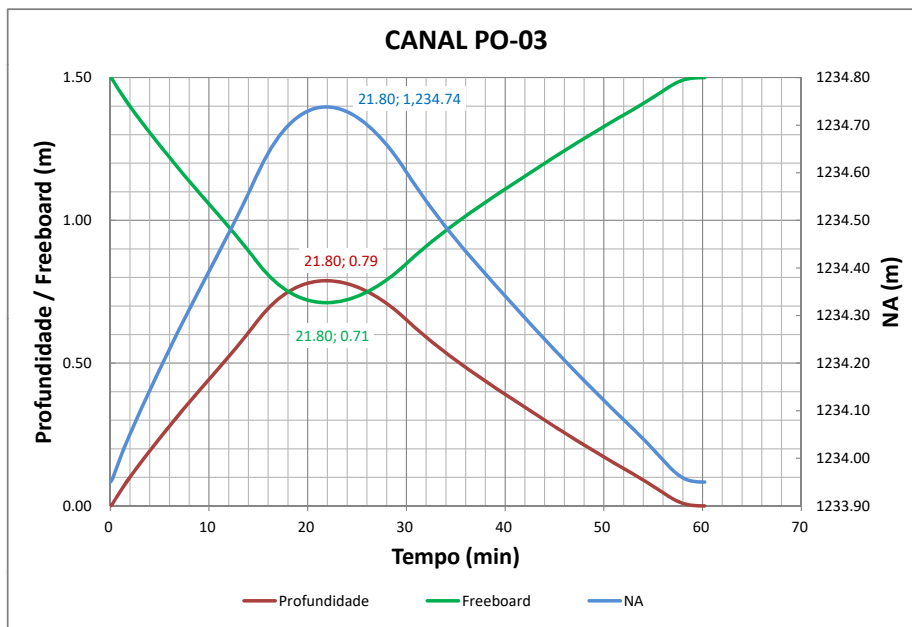
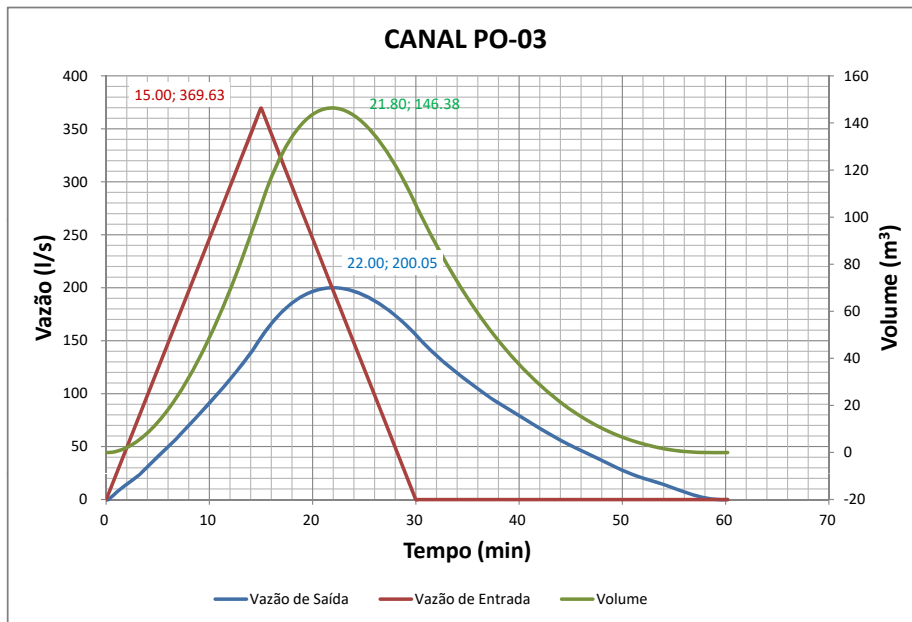
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	0.001	196.769	0.777	0.723	1236.627	253.069
30.200	0.000	195.222	0.773	0.727	1236.623	250.714
30.400	0.000	193.674	0.769	0.731	1236.619	248.364
30.600	0.000	192.127	0.764	0.736	1236.614	246.019
30.800	0.000	190.606	0.760	0.740	1236.610	243.761
31.000	0.000	189.234	0.756	0.744	1236.606	241.507
31.200	0.000	187.867	0.752	0.748	1236.602	239.257
31.400	0.000	186.501	0.748	0.752	1236.598	237.013
31.600	0.000	185.134	0.743	0.757	1236.593	234.773
31.800	0.000	183.767	0.739	0.761	1236.589	232.538
32.000	0.000	182.400	0.735	0.765	1236.585	230.348
32.200	0.000	181.082	0.731	0.769	1236.581	228.202
32.400	0.000	179.764	0.727	0.773	1236.577	226.061
32.600	0.000	178.446	0.723	0.777	1236.573	223.924
32.800	0.000	177.127	0.719	0.781	1236.569	221.791
33.000	0.000	175.809	0.715	0.785	1236.565	219.663
33.200	0.000	174.491	0.711	0.789	1236.561	217.540
33.400	0.000	173.173	0.707	0.793	1236.557	215.460
33.600	0.000	171.904	0.703	0.797	1236.553	213.424
33.800	0.000	170.635	0.699	0.801	1236.549	211.391
34.000	0.000	169.365	0.695	0.805	1236.545	209.363
34.200	0.000	168.096	0.692	0.808	1236.542	207.339
34.400	0.000	166.827	0.688	0.812	1236.538	205.319
34.600	0.000	165.558	0.684	0.816	1236.534	203.303
34.800	0.000	164.288	0.680	0.820	1236.530	201.330
35.000	0.000	163.068	0.676	0.824	1236.526	199.400
35.200	0.000	161.847	0.673	0.827	1236.523	197.473
35.400	0.000	160.627	0.669	0.831	1236.519	195.550
35.600	0.000	159.407	0.665	0.835	1236.515	193.631
35.800	0.000	158.186	0.661	0.839	1236.511	191.716
36.000	0.000	156.966	0.658	0.842	1236.508	189.805
36.200	0.000	155.745	0.654	0.846	1236.504	187.936
36.400	0.000	154.574	0.651	0.849	1236.501	186.108
36.600	0.000	153.402	0.647	0.853	1236.497	184.284
36.800	0.000	152.230	0.643	0.857	1236.493	182.463
37.000	0.000	151.059	0.640	0.860	1236.490	180.646
37.200	0.000	149.887	0.636	0.864	1236.486	178.833
37.400	0.000	148.715	0.633	0.867	1236.483	177.023
37.600	0.000	147.544	0.629	0.871	1236.479	175.216
37.800	0.000	146.397	0.626	0.874	1236.476	173.488
38.000	0.000	145.274	0.622	0.878	1236.472	171.763
38.200	0.000	144.151	0.619	0.881	1236.469	170.042
38.400	0.000	143.028	0.615	0.885	1236.465	168.324
38.600	0.000	141.905	0.612	0.888	1236.462	166.609
38.800	0.000	140.782	0.609	0.891	1236.459	164.897
39.000	0.000	139.752	0.605	0.895	1236.455	163.188
39.200	0.000	138.744	0.602	0.898	1236.452	161.520
39.400	0.000	137.779	0.599	0.901	1236.449	159.892
39.600	0.000	136.815	0.595	0.905	1236.445	158.266
39.800	0.000	135.850	0.592	0.908	1236.442	156.644
40.000	0.000	134.886	0.589	0.911	1236.439	155.025
40.200	0.000	133.921	0.585	0.915	1236.435	153.408
40.400	0.000	132.957	0.582	0.918	1236.432	151.795
40.600	0.000	131.992	0.579	0.921	1236.429	150.184
40.800	0.000	131.028	0.576	0.924	1236.426	148.577
41.000	0.000	130.085	0.572	0.928	1236.422	147.045
41.200	0.000	129.165	0.569	0.931	1236.419	145.516
41.400	0.000	128.244	0.566	0.934	1236.416	143.989
41.600	0.000	127.324	0.563	0.937	1236.413	142.466
41.800	0.000	126.403	0.560	0.940	1236.410	140.945
42.000	0.000	125.482	0.557	0.943	1236.407	139.427
42.200	0.000	124.562	0.554	0.946	1236.404	137.911
42.400	0.000	123.641	0.551	0.949	1236.401	136.398
42.600	0.000	122.721	0.548	0.952	1236.398	134.924
42.800	0.000	121.844	0.545	0.955	1236.395	133.488
43.000	0.000	120.967	0.542	0.958	1236.392	132.054
43.200	0.000	120.090	0.539	0.961	1236.389	130.623
43.400	0.000	119.214	0.536	0.964	1236.386	129.195
43.600	0.000	118.337	0.533	0.967	1236.383	127.769
43.800	0.000	117.460	0.530	0.970	1236.380	126.345
44.000	0.000	116.583	0.527	0.973	1236.377	124.924
44.200	0.000	115.707	0.524	0.976	1236.374	123.505
44.400	0.000	114.830	0.521	0.979	1236.371	122.124
44.600	0.000	113.997	0.518	0.982	1236.368	120.781
44.800	0.000	113.164	0.515	0.985	1236.365	119.439
45.000	0.000	112.331	0.512	0.988	1236.362	118.100
45.200	0.000	111.498	0.510	0.990	1236.360	116.764
45.400	0.000	110.665	0.507	0.993	1236.357	115.429
45.600	0.000	109.832	0.504	0.996	1236.354	114.097
45.800	0.000	108.999	0.501	0.999	1236.351	112.767
46.000	0.000	108.166	0.498	1.002	1236.348	111.440
46.200	0.000	107.334	0.495	1.005	1236.345	110.120
46.400	0.000	106.501	0.493	1.007	1236.343	108.809

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
46.600	0.000	105.690	0.490	1.010	1236.340	107.574
46.800	0.000	104.900	0.487	1.013	1236.337	106.346
47.000	0.000	104.111	0.485	1.015	1236.335	105.125
47.200	0.000	103.322	0.482	1.018	1236.332	103.911
47.400	0.000	102.533	0.479	1.021	1236.329	102.704
47.600	0.000	101.744	0.476	1.024	1236.326	101.505
47.800	0.000	100.955	0.474	1.026	1236.324	100.312
48.000	0.000	100.166	0.471	1.029	1236.321	99.127
48.200	0.000	99.377	0.468	1.032	1236.318	97.948
48.400	0.000	98.588	0.466	1.034	1236.316	96.777
48.600	0.000	97.799	0.463	1.037	1236.313	95.613
48.800	0.000	97.010	0.460	1.040	1236.310	94.455
49.000	0.000	96.221	0.458	1.042	1236.308	93.305
49.200	0.000	95.462	0.455	1.045	1236.305	92.162
49.400	0.000	94.772	0.452	1.048	1236.302	91.026
49.600	0.000	94.082	0.450	1.050	1236.300	89.898
49.800	0.000	93.393	0.447	1.053	1236.297	88.776
50.000	0.000	92.703	0.444	1.056	1236.294	87.662
50.200	0.000	92.013	0.442	1.058	1236.292	86.556
50.400	0.000	91.324	0.439	1.061	1236.289	85.457
50.600	0.000	90.634	0.436	1.064	1236.286	84.365
50.800	0.000	89.944	0.434	1.066	1236.284	83.282
51.000	0.000	89.255	0.431	1.069	1236.281	82.205
51.200	0.000	88.565	0.428	1.072	1236.278	81.137
51.400	0.000	87.875	0.426	1.074	1236.276	80.075
51.600	0.000	87.186	0.423	1.077	1236.273	79.022
51.800	0.000	86.496	0.420	1.080	1236.270	77.975
52.000	0.000	85.806	0.418	1.082	1236.268	76.937
52.200	0.000	85.117	0.415	1.085	1236.265	75.905
52.400	0.000	84.427	0.412	1.088	1236.262	74.882
52.600	0.000	83.737	0.410	1.091	1236.260	73.866
52.800	0.000	83.048	0.407	1.093	1236.257	72.857
53.000	0.000	82.358	0.404	1.096	1236.254	71.856
53.200	0.000	81.668	0.401	1.099	1236.251	70.863
53.400	0.000	80.979	0.399	1.101	1236.249	69.877
53.600	0.000	80.289	0.396	1.104	1236.246	68.898
53.800	0.000	79.599	0.393	1.107	1236.243	67.927
54.000	0.000	78.910	0.391	1.109	1236.241	66.963
54.200	0.000	78.220	0.388	1.112	1236.238	66.006
54.400	0.000	77.530	0.385	1.115	1236.235	65.057
54.600	0.000	76.841	0.383	1.117	1236.233	64.115
54.800	0.000	76.151	0.380	1.120	1236.230	63.180
55.000	0.000	75.461	0.377	1.123	1236.227	62.252
55.200	0.000	74.772	0.375	1.125	1236.225	61.332
55.400	0.000	74.082	0.372	1.128	1236.222	60.420
55.600	0.000	73.392	0.369	1.131	1236.219	59.514
55.800	0.000	72.722	0.367	1.133	1236.217	58.666
56.000	0.000	72.070	0.364	1.136	1236.214	57.824
56.200	0.000	71.419	0.362	1.138	1236.212	56.989
56.400	0.000	70.768	0.359	1.141	1236.209	56.160
56.600	0.000	70.116	0.357	1.143	1236.207	55.338
56.800	0.000	69.465	0.354	1.146	1236.204	54.522
57.000	0.000	68.814	0.352	1.148	1236.202	53.713
57.200	0.000	68.162	0.349	1.151	1236.199	52.910
57.400	0.000	67.511	0.347	1.153	1236.197	52.114
57.600	0.000	66.860	0.344	1.156	1236.194	51.324
57.800	0.000	66.208	0.341	1.159	1236.191	50.541
58.000	0.000	65.557	0.339	1.161	1236.189	49.763
58.200	0.000	64.905	0.336	1.164	1236.186	48.993
58.400	0.000	64.254	0.334	1.166	1236.184	48.228
58.600	0.000	63.603	0.331	1.169	1236.181	47.470
58.800	0.000	62.951	0.329	1.171	1236.179	46.718
59.000	0.000	62.300	0.326	1.174	1236.176	45.973
59.200	0.000	61.649	0.324	1.176	1236.174	45.234
59.400	0.000	60.997	0.321	1.179	1236.171	44.501
59.600	0.000	60.346	0.319	1.181	1236.169	43.775
59.800	0.000	59.695	0.316	1.184	1236.166	43.055
60.000	0.000	59.043	0.314	1.186	1236.164	42.342
60.200	0.000	58.392	0.311	1.189	1236.161	41.634
60.400	0.000	57.741	0.309	1.191	1236.159	40.934
60.600	0.000	57.089	0.306	1.194	1236.156	40.239
60.800	0.000	56.438	0.304	1.196	1236.154	39.551
61.000	0.000	55.887	0.301	1.199	1236.151	38.869
61.200	0.000	55.337	0.298	1.202	1236.148	38.194
61.400	0.000	54.786	0.296	1.204	1236.146	37.524
61.600	0.000	54.235	0.293	1.207	1236.143	36.861
61.800	0.000	53.685	0.291	1.209	1236.141	36.205
62.000	0.000	53.134	0.288	1.212	1236.138	35.554
62.200	0.000	52.584	0.286	1.214	1236.136	34.909
62.400	0.000	52.033	0.283	1.217	1236.133	34.271
62.600	0.000	51.482	0.281	1.219	1236.131	33.639
62.800	0.000	50.932	0.278	1.222	1236.128	33.013
63.000	0.000	50.381	0.276	1.224	1236.126	32.394

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
63.200	0.000	49.831	0.273	1.227	1236.123	31.780
63.400	0.000	49.280	0.271	1.229	1236.121	31.173
63.600	0.000	48.729	0.268	1.232	1236.118	30.572
63.800	0.000	48.179	0.266	1.234	1236.116	29.977
64.000	0.000	47.628	0.263	1.237	1236.113	29.388
64.200	0.000	47.094	0.261	1.239	1236.111	28.839
64.400	0.000	46.576	0.258	1.242	1236.108	28.297
64.600	0.000	46.057	0.256	1.244	1236.106	27.759
64.800	0.000	45.539	0.254	1.246	1236.104	27.227
65.000	0.000	45.021	0.251	1.249	1236.101	26.700
65.200	0.000	44.503	0.249	1.251	1236.099	26.179
65.400	0.000	43.985	0.246	1.254	1236.096	25.664
65.600	0.000	43.466	0.244	1.256	1236.094	25.153
65.800	0.000	42.948	0.242	1.258	1236.092	24.648
66.000	0.000	42.430	0.239	1.261	1236.089	24.149
66.200	0.000	41.912	0.237	1.263	1236.087	23.654
66.400	0.000	41.393	0.234	1.266	1236.084	23.165
66.600	0.000	40.875	0.232	1.268	1236.082	22.681
66.800	0.000	40.357	0.230	1.270	1236.080	22.203
67.000	0.000	39.839	0.227	1.273	1236.077	21.730
67.200	0.000	39.321	0.225	1.275	1236.075	21.262
67.400	0.000	38.802	0.223	1.277	1236.073	20.799
67.600	0.000	38.284	0.220	1.280	1236.070	20.342
67.800	0.000	37.766	0.218	1.282	1236.068	19.890
68.000	0.000	37.248	0.215	1.285	1236.065	19.444
68.200	0.000	36.730	0.213	1.287	1236.063	19.003
68.400	0.000	36.211	0.211	1.289	1236.061	18.567
68.600	0.000	35.693	0.208	1.292	1236.058	18.136
68.800	0.000	35.175	0.206	1.294	1236.056	17.711
69.000	0.000	34.657	0.204	1.296	1236.054	17.291
69.200	0.000	34.139	0.201	1.299	1236.051	16.877
69.400	0.000	33.620	0.199	1.301	1236.049	16.467
69.600	0.000	33.102	0.196	1.304	1236.046	16.063
69.800	0.000	32.584	0.194	1.306	1236.044	15.664
70.000	0.000	32.066	0.192	1.308	1236.042	15.271
70.200	0.000	31.547	0.189	1.311	1236.039	14.882
70.400	0.000	31.029	0.187	1.313	1236.037	14.499
70.600	0.000	30.511	0.185	1.315	1236.035	14.132
70.800	0.000	30.025	0.182	1.318	1236.032	13.782
71.000	0.000	29.539	0.180	1.320	1236.030	13.437
71.200	0.000	29.054	0.178	1.322	1236.028	13.096
71.400	0.000	28.568	0.176	1.324	1236.026	12.759
71.600	0.000	28.082	0.173	1.327	1236.023	12.427
71.800	0.000	27.596	0.171	1.329	1236.021	12.100
72.000	0.000	27.110	0.169	1.331	1236.019	11.777
72.200	0.000	26.624	0.167	1.333	1236.017	11.459
72.400	0.000	26.139	0.164	1.336	1236.014	11.145
72.600	0.000	25.653	0.162	1.338	1236.012	10.836
72.800	0.000	25.167	0.160	1.340	1236.010	10.531
73.000	0.000	24.681	0.158	1.342	1236.008	10.231
73.200	0.000	24.195	0.156	1.344	1236.006	9.936
73.400	0.000	23.709	0.153	1.347	1236.003	9.645
73.600	0.000	23.238	0.151	1.349	1236.001	9.358
73.800	0.000	22.897	0.149	1.351	1235.999	9.076
74.000	0.000	22.556	0.147	1.353	1235.997	8.799
74.200	0.000	22.215	0.144	1.356	1235.994	8.526
74.400	0.000	21.875	0.142	1.358	1235.992	8.257
74.600	0.000	21.534	0.140	1.360	1235.990	7.993
74.800	0.000	21.193	0.138	1.362	1235.988	7.733
75.000	0.000	20.852	0.135	1.365	1235.985	7.477
75.200	0.000	20.511	0.133	1.367	1235.983	7.226
75.400	0.000	20.170	0.131	1.369	1235.981	6.980
75.600	0.000	19.829	0.129	1.371	1235.979	6.737
75.800	0.000	19.488	0.127	1.374	1235.977	6.500
76.000	0.000	19.147	0.124	1.376	1235.974	6.266
76.200	0.000	18.806	0.122	1.378	1235.972	6.037
76.400	0.000	18.466	0.120	1.380	1235.970	5.813
76.600	0.000	18.125	0.118	1.382	1235.968	5.592
76.800	0.000	17.784	0.115	1.385	1235.965	5.377
77.000	0.000	17.443	0.113	1.387	1235.963	5.165
77.200	0.000	17.102	0.111	1.389	1235.961	4.958
77.400	0.000	16.761	0.109	1.391	1235.959	4.756
77.600	0.000	16.420	0.106	1.394	1235.956	4.558
77.800	0.000	16.079	0.104	1.396	1235.954	4.364
78.000	0.000	15.738	0.102	1.398	1235.952	4.175
78.200	0.000	15.397	0.100	1.400	1235.950	3.990
78.400	0.000	15.057	0.097	1.403	1235.947	3.809
78.600	0.000	14.716	0.095	1.405	1235.945	3.633
78.800	0.000	14.375	0.093	1.407	1235.943	3.461
79.000	0.000	14.034	0.091	1.409	1235.941	3.293

CANAL PO-02 - V002

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
79.200	0.000	13.693	0.089	1.411	1235.939	3.130
79.400	0.000	13.352	0.086	1.414	1235.936	2.971
79.600	0.000	13.011	0.084	1.416	1235.934	2.816
79.800	0.000	12.670	0.082	1.418	1235.932	2.665
80.000	0.000	12.329	0.080	1.420	1235.930	2.519
80.200	0.000	11.988	0.077	1.423	1235.927	2.377
80.400	0.000	11.647	0.075	1.425	1235.925	2.239
80.600	0.000	11.307	0.073	1.427	1235.923	2.105
80.800	0.000	10.966	0.071	1.429	1235.921	1.976
81.000	0.000	10.625	0.068	1.432	1235.918	1.851
81.200	0.000	10.284	0.066	1.434	1235.916	1.730
81.400	0.000	9.943	0.064	1.436	1235.914	1.614
81.600	0.000	9.602	0.062	1.438	1235.912	1.501
81.800	0.000	9.261	0.060	1.440	1235.910	1.393
82.000	0.000	8.920	0.057	1.443	1235.907	1.290
82.200	0.000	8.568	0.055	1.445	1235.905	1.184
82.400	0.000	8.204	0.053	1.447	1235.903	1.083
82.600	0.000	7.841	0.050	1.450	1235.900	0.987
82.800	0.000	7.477	0.048	1.452	1235.898	0.895
83.000	0.000	7.113	0.045	1.455	1235.895	0.808
83.200	0.000	6.750	0.043	1.457	1235.893	0.728
83.400	0.000	6.409	0.041	1.459	1235.891	0.655
83.600	0.000	6.068	0.039	1.461	1235.889	0.585
83.800	0.000	5.727	0.036	1.464	1235.886	0.519
84.000	0.000	5.386	0.034	1.466	1235.884	0.458
84.200	0.000	5.045	0.032	1.468	1235.882	0.400
84.400	0.000	4.704	0.030	1.470	1235.880	0.346
84.600	0.000	4.364	0.028	1.472	1235.878	0.297
84.800	0.000	4.045	0.025	1.475	1235.875	0.254
85.000	0.000	3.727	0.023	1.477	1235.873	0.214
85.200	0.000	3.409	0.021	1.479	1235.871	0.178
85.400	0.000	3.091	0.019	1.481	1235.869	0.146
85.600	0.000	2.795	0.017	1.483	1235.867	0.118
85.800	0.000	2.500	0.015	1.485	1235.865	0.093
86.000	0.000	2.216	0.014	1.486	1235.864	0.073
86.200	0.000	1.943	0.012	1.488	1235.862	0.055
86.400	0.000	1.682	0.010	1.490	1235.860	0.041
86.600	0.000	1.432	0.009	1.491	1235.859	0.029
86.800	0.000	1.205	0.007	1.493	1235.857	0.020
87.000	0.000	0.989	0.006	1.494	1235.856	0.013
87.200	0.000	0.795	0.005	1.495	1235.855	0.008
87.400	0.000	0.625	0.004	1.496	1235.854	0.005
87.600	0.000	0.477	0.003	1.497	1235.853	0.003
87.800	0.000	0.352	0.002	1.498	1235.852	0.001
88.000	0.000	0.250	0.001	1.499	1235.851	0.001
88.200	0.000	0.182	0.001	1.499	1235.851	0.000
88.400	0.000	0.125	0.001	1.499	1235.851	0.000
88.600	0.000	0.000	0.000	1.500	1235.850	0.000
88.800	0.000	0.000	0.000	1.500	1235.850	0.000





ARQUITETURA + URBANISMO
 CLN nº 01 B 8 SL 200 - CEP 70.743-900
 BRASÍLIA - DF - FONE: 01 3014 3700

CANAL: PO-03

DATA: 18.12.2019

IMPULT DE DADOS: 18.12.2019

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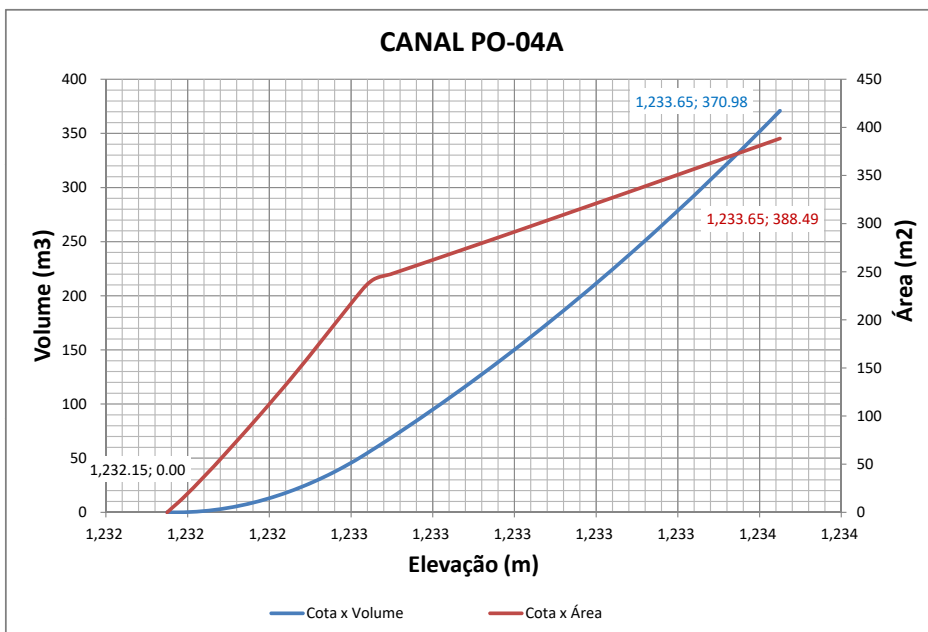
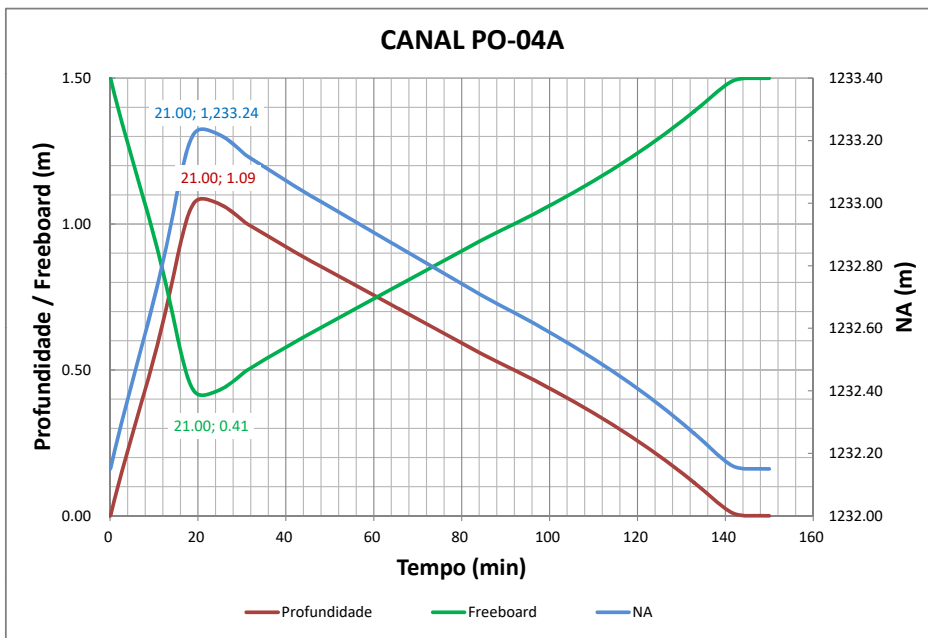
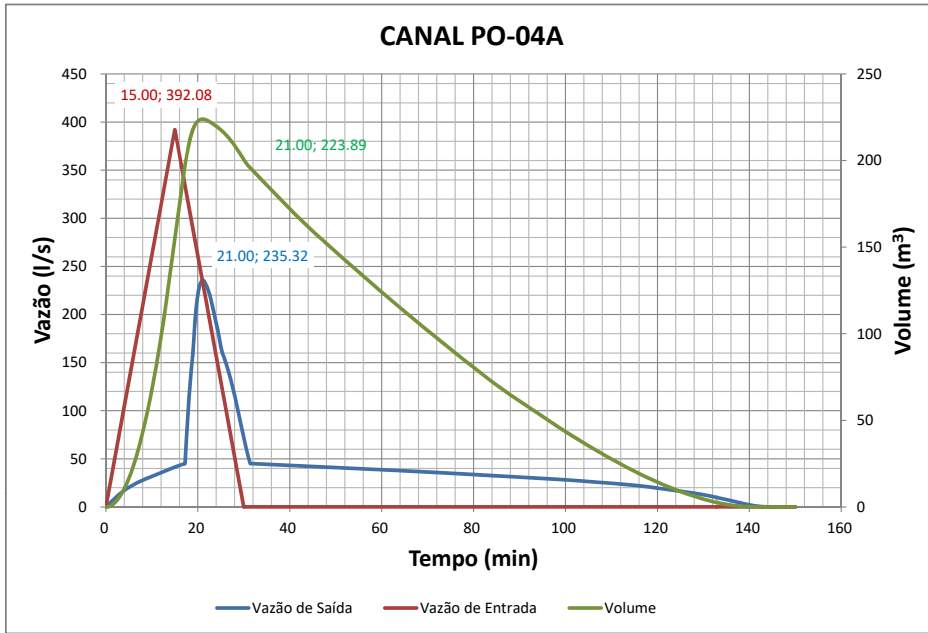
CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	369.630	COTA DE FUNDO JUSANTE (m)			
VAZÃO DE SAÍDA MAX. (l/s)	22.00	200.051	COTA VERTEDOURO (m)			
PROFUNDIDADE MAX. (m)	21.80	0.788	COTA DO ORIFÍCIO (m)			
FREEBOARD MIN. (m)	21.80	0.712	VERTEDOURO DE CONTROLE (cm)			
NA MAX. (m)	21.80	1,234.738	VERTEDOURO DE DESCARGA (cm)			
VOLUME MAX (m³)	21.80	146.38	DRENO DE FUNDO 3X Ø (mm)			
VOLUME TOTAL (m³)		408.73	COEF. DE DESCARGA DO VERTEDOURO			
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO			
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1233.950	0.000
0.200	4.928	0.000	0.006	1.494	1233.956	0.006
0.400	9.857	1.636	0.016	1.484	1233.966	0.050
0.600	14.785	3.295	0.027	1.473	1233.977	0.143
0.800	19.714	5.011	0.038	1.462	1233.988	0.287
1.000	24.642	6.739	0.050	1.450	1234.000	0.480
1.200	29.570	8.466	0.061	1.439	1234.011	0.725
1.400	34.499	10.091	0.071	1.429	1234.021	1.005
1.600	39.427	11.625	0.081	1.419	1234.031	1.324
1.800	44.356	13.125	0.091	1.409	1234.041	1.686
2.000	49.284	14.602	0.100	1.400	1234.050	2.088
2.200	54.212	16.056	0.110	1.390	1234.060	2.533
2.400	59.141	17.500	0.119	1.381	1234.069	3.016
2.600	64.069	18.931	0.129	1.371	1234.079	3.544
2.800	68.998	20.363	0.138	1.362	1234.088	4.116
3.000	73.926	21.784	0.147	1.353	1234.097	4.724
3.200	78.854	23.193	0.156	1.344	1234.106	5.375
3.400	83.783	25.167	0.166	1.334	1234.116	6.064
3.600	88.711	27.143	0.175	1.325	1234.125	6.792
3.800	93.640	29.102	0.184	1.316	1234.134	7.550
4.000	98.568	31.045	0.193	1.307	1234.143	8.350
4.200	103.496	32.973	0.201	1.299	1234.151	9.177
4.400	108.425	34.883	0.210	1.290	1234.160	10.046
4.600	113.353	36.794	0.219	1.281	1234.169	10.956
4.800	118.282	38.689	0.228	1.272	1234.178	11.892
5.000	123.210	40.568	0.236	1.264	1234.186	12.868
5.200	128.138	42.446	0.245	1.255	1234.195	13.884
5.400	133.067	44.325	0.253	1.247	1234.203	14.941
5.600	137.995	46.203	0.262	1.238	1234.212	16.029
5.800	142.923	48.049	0.270	1.230	1234.220	17.148
6.000	147.852	49.895	0.279	1.221	1234.229	18.308
6.200	152.780	51.742	0.287	1.213	1234.237	19.507
6.400	157.709	53.588	0.296	1.204	1234.246	20.746
6.600	162.637	55.434	0.304	1.196	1234.254	22.026
6.800	167.565	57.434	0.313	1.187	1234.263	23.335
7.000	172.494	59.580	0.321	1.179	1234.271	24.673
7.200	177.422	61.725	0.329	1.171	1234.279	26.050
7.400	182.351	63.871	0.338	1.162	1234.288	27.467
7.600	187.279	65.997	0.346	1.154	1234.296	28.897
7.800	192.207	68.105	0.354	1.146	1234.304	30.366
8.000	197.136	70.212	0.362	1.138	1234.312	31.874
8.200	202.064	72.319	0.371	1.129	1234.321	33.422
8.400	206.993	74.427	0.379	1.121	1234.329	35.009
8.600	211.921	76.534	0.387	1.113	1234.337	36.621
8.800	216.849	78.603	0.395	1.105	1234.345	38.256
9.000	221.778	80.672	0.403	1.097	1234.353	39.929
9.200	226.706	82.741	0.411	1.089	1234.361	41.641
9.400	231.635	84.810	0.419	1.081	1234.369	43.392
9.600	236.563	86.879	0.427	1.073	1234.377	45.182
9.800	241.491	88.948	0.435	1.065	1234.385	47.012
10.000	246.420	91.017	0.443	1.057	1234.393	48.862
10.200	251.348	93.048	0.451	1.049	1234.401	50.734
10.400	256.277	95.079	0.459	1.041	1234.409	52.640
10.600	261.205	97.317	0.467	1.033	1234.417	54.579
10.800	266.133	99.640	0.475	1.025	1234.425	56.551
11.000	271.062	101.963	0.482	1.018	1234.432	58.556
11.200	275.990	104.287	0.490	1.010	1234.440	60.594
11.400	280.919	106.610	0.498	1.002	1234.448	62.666
11.600	285.847	108.934	0.506	0.994	1234.456	64.763
11.800	290.775	111.279	0.514	0.986	1234.464	66.910
12.000	295.704	113.646	0.522	0.978	1234.472	69.068
12.200	300.632	116.035	0.530	0.970	1234.480	71.276
12.400	305.561	118.446	0.539	0.961	1234.489	73.495
12.600	310.489	120.879	0.547	0.953	1234.497	75.766
12.800	315.417	123.334	0.555	0.945	1234.505	78.047
13.000	320.346	125.789	0.564	0.936	1234.514	80.360
13.200	325.274	128.288	0.572	0.928	1234.522	82.704

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	330.202	130.787	0.581	0.919	1234.531	85.081
13.600	335.131	133.329	0.589	0.911	1234.539	87.491
13.800	340.059	135.872	0.598	0.902	1234.548	89.912
14.000	344.988	138.437	0.607	0.893	1234.557	92.387
14.200	349.916	141.075	0.616	0.884	1234.566	94.874
14.400	354.844	143.956	0.624	0.876	1234.574	97.374
14.600	359.773	146.860	0.633	0.867	1234.583	99.929
14.800	364.701	149.789	0.642	0.858	1234.592	102.496
15.000	369.630	152.718	0.651	0.849	1234.601	105.076
15.200	364.702	155.648	0.660	0.840	1234.610	107.626
15.400	359.773	158.455	0.668	0.832	1234.618	110.079
15.600	354.845	161.164	0.676	0.824	1234.626	112.456
15.800	349.917	163.751	0.684	0.816	1234.634	114.712
16.000	344.988	166.217	0.691	0.809	1234.641	116.889
16.200	340.060	168.584	0.699	0.801	1234.649	118.986
16.400	335.131	170.854	0.705	0.795	1234.655	121.003
16.600	330.203	173.027	0.712	0.788	1234.662	122.938
16.800	325.275	175.102	0.718	0.782	1234.668	124.790
17.000	320.346	177.079	0.724	0.776	1234.674	126.558
17.200	315.418	178.958	0.729	0.771	1234.679	128.242
17.400	310.489	180.740	0.735	0.765	1234.685	129.841
17.600	305.561	182.424	0.740	0.760	1234.690	131.354
17.800	300.633	184.011	0.744	0.756	1234.694	132.780
18.000	295.704	185.500	0.749	0.751	1234.699	134.119
18.200	290.776	186.915	0.753	0.747	1234.703	135.415
18.400	285.847	188.258	0.757	0.743	1234.707	136.623
18.600	280.919	189.503	0.761	0.739	1234.711	137.742
18.800	275.991	190.686	0.764	0.736	1234.714	138.818
19.000	271.062	191.887	0.767	0.733	1234.717	139.803
19.200	266.134	192.980	0.770	0.730	1234.720	140.699
19.400	261.206	193.994	0.773	0.727	1234.723	141.550
19.600	256.277	194.928	0.775	0.725	1234.725	142.309
19.800	251.349	195.782	0.778	0.722	1234.728	143.024
20.000	246.420	196.556	0.780	0.720	1234.730	143.647
20.200	241.492	197.249	0.782	0.718	1234.732	144.224
20.400	236.564	197.863	0.783	0.717	1234.733	144.710
20.600	231.635	198.397	0.785	0.715	1234.735	145.150
20.800	226.707	198.850	0.786	0.714	1234.736	145.520
21.000	221.778	199.251	0.787	0.713	1234.737	145.821
21.200	216.850	199.544	0.787	0.713	1234.737	146.053
21.400	211.922	199.784	0.788	0.712	1234.738	146.215
21.600	206.993	199.944	0.788	0.712	1234.738	146.331
21.800	202.065	200.024	0.788	0.712	1234.738	146.378
22.000	197.136	200.051	0.788	0.712	1234.738	146.378
22.200	192.208	200.024	0.788	0.712	1234.738	146.308
22.400	187.280	199.918	0.788	0.712	1234.738	146.192
22.600	182.351	199.731	0.787	0.713	1234.737	146.007
22.800	177.423	199.491	0.787	0.713	1234.737	145.775
23.000	172.494	199.197	0.786	0.714	1234.736	145.474
23.200	167.566	198.824	0.784	0.716	1234.734	145.126
23.400	162.638	198.397	0.783	0.717	1234.733	144.733
23.600	157.709	197.890	0.782	0.718	1234.732	144.271
23.800	152.781	197.330	0.780	0.720	1234.730	143.762
24.000	147.852	196.716	0.778	0.722	1234.728	143.208
24.200	142.924	196.049	0.776	0.724	1234.726	142.586
24.400	137.996	195.302	0.774	0.726	1234.724	141.918
24.600	133.067	194.501	0.772	0.728	1234.722	141.204
24.800	128.139	193.647	0.769	0.731	1234.719	140.446
25.000	123.210	192.740	0.767	0.733	1234.717	139.643
25.200	118.282	191.780	0.764	0.736	1234.714	138.795
25.400	113.354	190.766	0.761	0.739	1234.711	137.903
25.600	108.425	189.747	0.758	0.742	1234.708	136.943
25.800	103.497	188.697	0.755	0.745	1234.705	135.939
26.000	98.569	187.599	0.751	0.749	1234.701	134.892
26.200	93.640	186.452	0.748	0.752	1234.698	133.801
26.400	88.712	185.256	0.744	0.756	1234.694	132.667
26.600	83.783	184.011	0.740	0.760	1234.690	131.490
26.800	78.855	182.717	0.736	0.764	1234.686	130.270
27.000	73.927	181.375	0.732	0.768	1234.682	129.007
27.200	68.998	179.983	0.728	0.772	1234.678	127.703
27.400	64.070	178.543	0.723	0.777	1234.673	126.356
27.600	59.141	177.054	0.719	0.781	1234.669	124.969
27.800	54.213	175.516	0.714	0.786	1234.664	123.539
28.000	49.285	173.930	0.709	0.791	1234.659	122.070
28.200	44.356	172.294	0.704	0.796	1234.654	120.559
28.400	39.428	170.610	0.699	0.801	1234.649	119.009
28.600	34.499	168.877	0.693	0.807	1234.643	117.418
28.800	29.571	167.095	0.688	0.812	1234.638	115.788
29.000	24.643	165.265	0.682	0.818	1234.632	114.120
29.200	19.714	163.385	0.676	0.824	1234.626	112.412
29.400	14.786	161.457	0.670	0.830	1234.620	110.667
29.600	9.857	159.504	0.664	0.836	1234.614	108.905
29.800	4.929	157.503	0.658	0.842	1234.608	107.106

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	0.001	155.452	0.652	0.848	1234.602	105.270
30.200	0.000	153.353	0.645	0.855	1234.595	103.419
30.400	0.000	151.254	0.639	0.861	1234.589	101.596
30.600	0.000	149.204	0.633	0.867	1234.583	99.801
30.800	0.000	147.153	0.627	0.873	1234.577	98.033
31.000	0.000	145.152	0.621	0.879	1234.571	96.292
31.200	0.000	143.150	0.614	0.886	1234.564	94.557
31.400	0.000	141.173	0.608	0.892	1234.558	92.871
31.600	0.000	139.357	0.603	0.897	1234.553	91.190
31.800	0.000	137.604	0.597	0.903	1234.547	89.535
32.000	0.000	135.894	0.591	0.909	1234.541	87.907
32.200	0.000	134.184	0.585	0.915	1234.535	86.284
32.400	0.000	132.475	0.579	0.921	1234.529	84.688
32.600	0.000	130.809	0.574	0.926	1234.524	83.117
32.800	0.000	129.143	0.568	0.932	1234.518	81.551
33.000	0.000	127.499	0.562	0.938	1234.512	80.031
33.200	0.000	125.877	0.557	0.943	1234.507	78.517
33.400	0.000	124.255	0.551	0.949	1234.501	77.007
33.600	0.000	122.655	0.546	0.954	1234.496	75.542
33.800	0.000	121.077	0.541	0.959	1234.491	74.082
34.000	0.000	119.499	0.535	0.965	1234.485	72.647
34.200	0.000	117.964	0.530	0.970	1234.480	71.236
34.400	0.000	116.430	0.525	0.975	1234.475	69.830
34.600	0.000	114.896	0.520	0.980	1234.470	68.448
34.800	0.000	113.405	0.515	0.985	1234.465	67.090
35.000	0.000	111.915	0.510	0.990	1234.460	65.736
35.200	0.000	110.424	0.505	0.995	1234.455	64.406
35.400	0.000	108.977	0.500	1.000	1234.450	63.100
35.600	0.000	107.531	0.495	1.005	1234.445	61.802
35.800	0.000	106.084	0.490	1.010	1234.440	60.517
36.000	0.000	104.637	0.485	1.015	1234.435	59.245
36.200	0.000	103.191	0.480	1.020	1234.430	58.004
36.400	0.000	101.788	0.476	1.024	1234.426	56.795
36.600	0.000	100.385	0.471	1.029	1234.421	55.598
36.800	0.000	98.982	0.466	1.034	1234.416	54.413
37.000	0.000	97.580	0.461	1.039	1234.411	53.240
37.200	0.000	96.177	0.457	1.043	1234.407	52.079
37.400	0.000	94.887	0.452	1.048	1234.402	50.930
37.600	0.000	93.661	0.447	1.053	1234.397	49.793
37.800	0.000	92.435	0.442	1.058	1234.392	48.670
38.000	0.000	91.209	0.437	1.063	1234.387	47.561
38.200	0.000	89.983	0.433	1.067	1234.383	46.466
38.400	0.000	88.757	0.428	1.072	1234.378	45.384
38.600	0.000	87.550	0.423	1.077	1234.373	44.349
38.800	0.000	86.362	0.419	1.081	1234.369	43.327
39.000	0.000	85.174	0.414	1.086	1234.364	42.317
39.200	0.000	83.986	0.409	1.091	1234.359	41.321
39.400	0.000	82.799	0.405	1.095	1234.355	40.338
39.600	0.000	81.611	0.400	1.100	1234.350	39.367
39.800	0.000	80.423	0.396	1.104	1234.346	38.409
40.000	0.000	79.235	0.391	1.109	1234.341	37.464
40.200	0.000	78.048	0.386	1.114	1234.336	36.531
40.400	0.000	76.860	0.382	1.118	1234.332	35.611
40.600	0.000	75.672	0.377	1.123	1234.327	34.703
40.800	0.000	74.484	0.373	1.127	1234.323	33.808
41.000	0.000	73.297	0.368	1.132	1234.318	32.925
41.200	0.000	72.109	0.363	1.137	1234.313	32.055
41.400	0.000	70.921	0.359	1.141	1234.309	31.198
41.600	0.000	69.733	0.354	1.146	1234.304	30.353
41.800	0.000	68.545	0.350	1.150	1234.300	29.520
42.000	0.000	67.358	0.345	1.155	1234.295	28.700
42.200	0.000	66.170	0.340	1.160	1234.290	27.905
42.400	0.000	65.020	0.336	1.164	1234.286	27.134
42.600	0.000	63.871	0.331	1.169	1234.281	26.375
42.800	0.000	62.721	0.327	1.173	1234.277	25.627
43.000	0.000	61.572	0.322	1.178	1234.272	24.891
43.200	0.000	60.423	0.318	1.182	1234.268	24.166
43.400	0.000	59.273	0.314	1.186	1234.264	23.453
43.600	0.000	58.124	0.309	1.191	1234.259	22.751
43.800	0.000	56.974	0.305	1.195	1234.255	22.060
44.000	0.000	55.920	0.300	1.200	1234.250	21.381
44.200	0.000	54.948	0.296	1.204	1234.246	20.713
44.400	0.000	53.976	0.291	1.209	1234.241	20.056
44.600	0.000	53.005	0.287	1.213	1234.237	19.411
44.800	0.000	52.033	0.282	1.218	1234.232	18.776
45.000	0.000	51.061	0.278	1.222	1234.228	18.163
45.200	0.000	50.122	0.274	1.226	1234.224	17.571
45.400	0.000	49.183	0.269	1.231	1234.219	16.989
45.600	0.000	48.244	0.265	1.235	1234.215	16.417
45.800	0.000	47.304	0.261	1.239	1234.211	15.856
46.000	0.000	46.365	0.256	1.244	1234.206	15.305
46.200	0.000	45.426	0.252	1.248	1234.202	14.765
46.400	0.000	44.487	0.248	1.252	1234.198	14.235

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
46.600	0.000	43.547	0.243	1.257	1234.193	13.715
46.800	0.000	42.608	0.239	1.261	1234.189	13.205
47.000	0.000	41.669	0.235	1.265	1234.185	12.705
47.200	0.000	40.730	0.230	1.270	1234.180	12.215
47.400	0.000	39.790	0.226	1.274	1234.176	11.736
47.600	0.000	38.851	0.222	1.278	1234.172	11.266
47.800	0.000	37.912	0.218	1.283	1234.168	10.807
48.000	0.000	36.972	0.213	1.287	1234.163	10.357
48.200	0.000	36.033	0.209	1.291	1234.159	9.918
48.400	0.000	35.094	0.205	1.295	1234.155	9.496
48.600	0.000	34.187	0.200	1.300	1234.150	9.091
48.800	0.000	33.280	0.196	1.304	1234.146	8.695
49.000	0.000	32.373	0.192	1.308	1234.142	8.309
49.200	0.000	31.466	0.188	1.312	1234.138	7.931
49.400	0.000	30.560	0.184	1.316	1234.134	7.563
49.600	0.000	29.653	0.180	1.320	1234.130	7.204
49.800	0.000	28.746	0.175	1.325	1234.125	6.854
50.000	0.000	27.839	0.171	1.329	1234.121	6.519
50.200	0.000	26.965	0.167	1.333	1234.117	6.198
50.400	0.000	26.090	0.163	1.337	1234.113	5.886
50.600	0.000	25.216	0.159	1.341	1234.109	5.583
50.800	0.000	24.341	0.155	1.345	1234.105	5.288
51.000	0.000	23.467	0.151	1.349	1234.101	5.002
51.200	0.000	22.795	0.147	1.353	1234.097	4.724
51.400	0.000	22.181	0.143	1.357	1234.093	4.454
51.600	0.000	21.568	0.139	1.361	1234.089	4.192
51.800	0.000	20.954	0.135	1.365	1234.085	3.939
52.000	0.000	20.340	0.131	1.369	1234.081	3.694
52.200	0.000	19.727	0.127	1.373	1234.077	3.457
52.400	0.000	19.113	0.123	1.377	1234.073	3.228
52.600	0.000	18.500	0.119	1.381	1234.069	3.008
52.800	0.000	17.886	0.115	1.385	1234.065	2.796
53.000	0.000	17.272	0.111	1.389	1234.061	2.592
53.200	0.000	16.647	0.107	1.393	1234.057	2.389
53.400	0.000	16.011	0.103	1.397	1234.053	2.195
53.600	0.000	15.375	0.099	1.401	1234.049	2.010
53.800	0.000	14.738	0.094	1.406	1234.044	1.834
54.000	0.000	14.102	0.090	1.410	1234.040	1.666
54.200	0.000	13.466	0.086	1.414	1234.036	1.506
54.400	0.000	12.829	0.082	1.418	1234.032	1.353
54.600	0.000	12.170	0.078	1.422	1234.028	1.206
54.800	0.000	11.511	0.073	1.427	1234.023	1.068
55.000	0.000	10.852	0.069	1.431	1234.019	0.940
55.200	0.000	10.182	0.064	1.436	1234.014	0.816
55.400	0.000	9.500	0.060	1.440	1234.010	0.703
55.600	0.000	8.818	0.055	1.445	1234.005	0.597
55.800	0.000	8.113	0.051	1.449	1234.001	0.501
56.000	0.000	7.398	0.046	1.454	1233.996	0.413
56.200	0.000	6.693	0.042	1.458	1233.992	0.334
56.400	0.000	6.000	0.037	1.463	1233.987	0.266
56.600	0.000	5.329	0.033	1.467	1233.983	0.208
56.800	0.000	4.682	0.029	1.471	1233.979	0.158
57.000	0.000	4.057	0.025	1.475	1233.975	0.118
57.200	0.000	3.477	0.021	1.479	1233.971	0.085
57.400	0.000	2.920	0.017	1.483	1233.967	0.059
57.600	0.000	2.409	0.014	1.486	1233.964	0.039
57.800	0.000	1.943	0.011	1.489	1233.961	0.025
58.000	0.000	1.534	0.009	1.491	1233.959	0.015
58.200	0.000	1.182	0.007	1.493	1233.957	0.009
58.400	0.000	0.886	0.005	1.495	1233.955	0.005
58.600	0.000	0.648	0.004	1.496	1233.954	0.002
58.800	0.000	0.455	0.002	1.498	1233.952	0.001
59.000	0.000	0.307	0.002	1.498	1233.952	0.001
59.200	0.000	0.205	0.001	1.499	1233.951	0.000
59.400	0.000	0.136	0.001	1.499	1233.951	0.000
59.600	0.000	0.091	0.000	1.500	1233.950	0.000
59.800	0.000	0.000	0.000	1.500	1233.950	0.000
60.000	0.000	0.000	0.000	1.500	1233.950	0.000
60.200	0.000	0.000	0.000	1.500	1233.950	0.000



CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	392.076	COTA DE FUNDO JUSANTE (m)			
VAZÃO DE SAÍDA MAX. (l/s)	21.00	235.325	COTA VERTEDOURO (m)			
PROFUNDIDADE MAX. (m)	21.00	1.087	COTA DO ORIFÍCIO (m)			
FREEBOARD MIN. (m)	21.00	0.413	VERTEDOURO DE CONTROLE (cm)			
NA MAX. (m)	21.00	1,233.237	VERTEDOURO DE DESCARGA (cm)			
VOLUME MAX (m ³)	21.00	223.89	DRENO DE FUNDO 3X Ø (mm)			
VOLUME TOTAL (m ³)		370.98	COEF. DE DESCARGA DO VERTEDOURO			
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO			
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1232.150	0.000
0.200	5.228	0.147	0.006	1.494	1232.156	0.007
0.400	10.455	1.001	0.018	1.482	1232.168	0.061
0.600	15.683	2.054	0.030	1.470	1232.180	0.177
0.800	20.911	3.145	0.043	1.457	1232.193	0.359
1.000	26.138	4.242	0.056	1.444	1232.206	0.606
1.200	31.366	5.320	0.068	1.432	1232.218	0.907
1.400	36.594	6.341	0.080	1.420	1232.230	1.257
1.600	41.822	7.329	0.091	1.409	1232.241	1.656
1.800	47.049	8.299	0.102	1.398	1232.252	2.106
2.000	52.277	9.256	0.113	1.387	1232.263	2.607
2.200	57.505	10.200	0.124	1.376	1232.274	3.160
2.400	62.732	11.144	0.135	1.365	1232.285	3.764
2.600	67.960	12.075	0.146	1.354	1232.296	4.418
2.800	73.188	13.006	0.157	1.343	1232.307	5.127
3.000	78.415	13.696	0.168	1.332	1232.318	5.891
3.200	83.643	14.369	0.179	1.321	1232.329	6.712
3.400	88.871	15.038	0.190	1.310	1232.340	7.577
3.600	94.098	15.702	0.200	1.300	1232.350	8.496
3.800	99.326	16.366	0.211	1.289	1232.361	9.470
4.000	104.554	17.030	0.222	1.278	1232.372	10.500
4.200	109.781	17.695	0.232	1.268	1232.382	11.586
4.400	115.009	18.359	0.243	1.257	1232.393	12.728
4.600	120.237	19.023	0.254	1.246	1232.404	13.926
4.800	125.464	19.687	0.265	1.235	1232.415	15.181
5.000	130.692	20.351	0.275	1.225	1232.425	16.493
5.200	135.920	21.016	0.286	1.214	1232.436	17.864
5.400	141.147	21.680	0.297	1.203	1232.447	19.282
5.600	146.375	22.335	0.307	1.193	1232.457	20.747
5.800	151.603	22.841	0.318	1.182	1232.468	22.269
6.000	156.831	23.293	0.328	1.172	1232.478	23.849
6.200	162.058	23.745	0.339	1.161	1232.489	25.487
6.400	167.286	24.197	0.350	1.151	1232.500	27.182
6.600	172.514	24.649	0.360	1.140	1232.510	28.935
6.800	177.741	25.101	0.371	1.129	1232.521	30.748
7.000	182.969	25.553	0.381	1.119	1232.531	32.620
7.200	188.197	26.005	0.392	1.108	1232.542	34.551
7.400	193.424	26.457	0.402	1.098	1232.552	36.542
7.600	198.652	26.910	0.413	1.087	1232.563	38.593
7.800	203.880	27.362	0.423	1.077	1232.573	40.704
8.000	209.107	27.814	0.434	1.066	1232.584	42.876
8.200	214.335	28.266	0.445	1.055	1232.595	45.108
8.400	219.563	28.715	0.455	1.045	1232.605	47.367
8.600	224.790	29.139	0.466	1.034	1232.616	49.712
8.800	230.018	29.506	0.476	1.024	1232.626	52.109
9.000	235.246	29.874	0.487	1.013	1232.637	54.559
9.200	240.473	30.242	0.497	1.003	1232.647	57.062
9.400	245.701	30.609	0.508	0.992	1232.658	59.625
9.600	250.929	30.982	0.519	0.981	1232.669	62.241
9.800	256.157	31.360	0.530	0.970	1232.680	64.911
10.000	261.384	31.744	0.541	0.959	1232.691	67.635
10.200	266.612	32.132	0.552	0.948	1232.702	70.414
10.400	271.840	32.528	0.563	0.937	1232.713	73.266
10.600	277.067	32.930	0.575	0.925	1232.725	76.175
10.800	282.295	33.336	0.587	0.913	1232.737	79.141
11.000	287.523	33.748	0.599	0.901	1232.749	82.165
11.200	292.750	34.165	0.611	0.889	1232.761	85.248
11.400	297.978	34.553	0.623	0.877	1232.773	88.390
11.600	303.206	34.922	0.635	0.865	1232.785	91.592
11.800	308.433	35.294	0.648	0.852	1232.798	94.836
12.000	313.661	35.670	0.660	0.840	1232.810	98.142
12.200	318.889	36.051	0.673	0.827	1232.823	101.510
12.400	324.116	36.436	0.686	0.814	1232.836	104.941
12.600	329.344	36.826	0.699	0.801	1232.849	108.417
12.800	334.572	37.218	0.712	0.788	1232.862	111.957
13.000	339.799	37.615	0.725	0.775	1232.875	115.563
13.200	345.027	38.015	0.739	0.761	1232.889	119.236

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	350.255	38.419	0.752	0.748	1232.902	122.955
13.600	355.482	38.826	0.766	0.734	1232.916	126.722
13.800	360.710	39.203	0.779	0.721	1232.929	130.557
14.000	365.938	39.573	0.793	0.707	1232.943	134.462
14.200	371.166	39.946	0.807	0.693	1232.957	138.416
14.400	376.393	40.322	0.821	0.679	1232.971	142.420
14.600	381.621	40.701	0.835	0.665	1232.985	146.495
14.800	386.849	41.081	0.849	0.651	1232.999	150.622
15.000	392.076	41.465	0.864	0.636	1233.014	154.800
15.200	386.849	41.850	0.878	0.622	1233.028	158.985
15.400	381.621	42.228	0.892	0.608	1233.042	163.112
15.600	376.394	42.599	0.905	0.595	1233.055	167.156
15.800	371.166	42.957	0.919	0.581	1233.069	171.115
16.000	365.938	43.287	0.931	0.569	1233.081	175.009
16.200	360.711	43.605	0.944	0.556	1233.094	178.837
16.400	355.483	43.916	0.956	0.544	1233.106	182.596
16.600	350.255	44.219	0.968	0.532	1233.118	186.286
16.800	345.028	44.516	0.980	0.520	1233.130	189.951
17.000	339.800	44.808	0.992	0.508	1233.142	193.543
17.200	334.572	45.093	1.003	0.497	1233.153	197.062
17.400	329.345	45.514	1.013	0.487	1233.163	200.388
17.600	324.117	46.970	1.023	0.477	1233.173	203.423
17.800	318.889	47.874	1.032	0.468	1233.182	206.212
18.000	313.662	48.485	1.040	0.460	1233.190	208.751
18.200	308.434	49.073	1.047	0.453	1233.197	211.084
18.400	303.206	49.698	1.054	0.446	1233.204	213.186
18.600	297.979	50.360	1.060	0.440	1233.210	215.103
18.800	292.751	51.057	1.065	0.435	1233.215	216.832
19.000	287.523	51.787	1.070	0.430	1233.220	218.373
19.200	282.296	52.549	1.074	0.426	1233.224	219.676
19.400	277.068	53.343	1.077	0.423	1233.227	220.739
19.600	271.840	54.169	1.080	0.420	1233.230	221.610
19.800	266.612	55.027	1.082	0.418	1233.232	222.312
20.000	261.385	55.916	1.083	0.417	1233.233	222.846
20.200	256.157	56.837	1.085	0.415	1233.235	223.258
20.400	250.929	57.790	1.086	0.414	1233.236	223.549
20.600	245.702	58.775	1.086	0.414	1233.236	223.744
20.800	240.474	59.791	1.087	0.413	1233.237	223.865
21.000	235.246	60.838	1.087	0.413	1233.237	223.889
21.200	230.019	61.916	1.087	0.413	1233.237	223.865
21.400	224.791	63.025	1.086	0.414	1233.236	223.768
21.600	219.563	64.166	1.086	0.414	1233.236	223.622
21.800	214.336	65.338	1.085	0.415	1233.235	223.452
22.000	209.108	66.541	1.085	0.415	1233.235	223.234
22.200	203.880	67.775	1.084	0.416	1233.234	222.991
22.400	198.653	69.040	1.083	0.417	1233.233	222.700
22.600	193.425	70.336	1.082	0.418	1233.232	222.409
22.800	188.197	71.663	1.081	0.419	1233.231	222.070
23.000	182.970	73.021	1.080	0.420	1233.230	221.731
23.200	177.742	74.410	1.079	0.421	1233.229	221.392
23.400	172.514	75.830	1.078	0.422	1233.228	221.005
23.600	167.286	77.281	1.077	0.423	1233.227	220.618
23.800	162.059	78.763	1.075	0.425	1233.225	220.231
24.000	156.831	80.276	1.074	0.426	1233.224	219.845
24.200	151.603	81.820	1.073	0.427	1233.223	219.458
24.400	146.376	83.395	1.072	0.428	1233.222	219.048
24.600	141.148	85.001	1.070	0.430	1233.220	218.614
24.800	135.920	86.638	1.069	0.431	1233.219	218.180
25.000	130.693	88.306	1.068	0.432	1233.218	217.747
25.200	125.465	90.005	1.066	0.434	1233.216	217.313
25.400	120.237	91.735	1.065	0.435	1233.215	216.880
25.600	115.010	93.496	1.064	0.436	1233.214	216.400
25.800	109.782	95.288	1.062	0.438	1233.212	215.895
26.000	104.554	97.111	1.060	0.440	1233.210	215.367
26.200	99.327	98.965	1.059	0.441	1233.209	214.791
26.400	94.099	100.850	1.057	0.443	1233.207	214.192
26.600	88.871	102.766	1.055	0.445	1233.205	213.569
26.800	83.644	104.713	1.053	0.447	1233.203	212.947
27.000	78.416	106.691	1.051	0.449	1233.201	212.278
27.200	73.188	108.699	1.049	0.451	1233.199	211.609
27.400	67.961	110.737	1.046	0.454	1233.196	210.894
27.600	62.733	112.805	1.044	0.456	1233.194	210.179
27.800	57.505	114.903	1.042	0.458	1233.192	209.464
28.000	52.277	117.031	1.040	0.460	1233.190	208.703
28.200	47.050	119.189	1.037	0.463	1233.187	207.943
28.400	41.822	121.377	1.035	0.465	1233.185	207.184
28.600	36.594	123.595	1.032	0.468	1233.182	206.402
28.800	31.367	125.843	1.030	0.470	1233.180	205.597
29.000	26.139	128.121	1.027	0.473	1233.177	204.793
29.200	20.911	130.429	1.025	0.475	1233.175	203.990
29.400	15.684	132.767	1.022	0.478	1233.172	203.164
29.600	10.456	135.135	1.020	0.480	1233.170	202.316
29.800	5.228	137.533	1.017	0.483	1233.167	201.469

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	0.001	72.056	1.014	0.486	1233.164	200.622
30.200	0.000	67.401	1.012	0.488	1233.162	199.801
30.400	0.000	63.005	1.009	0.491	1233.159	199.027
30.600	0.000	58.868	1.007	0.493	1233.157	198.301
30.800	0.000	54.989	1.005	0.495	1233.155	197.623
31.000	0.000	51.368	1.003	0.497	1233.153	196.992
31.200	0.000	48.006	1.001	0.499	1233.151	196.408
31.400	0.000	45.158	0.999	0.501	1233.149	195.848
31.600	0.000	45.113	0.997	0.503	1233.147	195.288
31.800	0.000	45.069	0.995	0.505	1233.145	194.729
32.000	0.000	45.024	0.994	0.506	1233.144	194.171
32.200	0.000	44.979	0.992	0.508	1233.142	193.613
32.400	0.000	44.935	0.990	0.510	1233.140	193.055
32.600	0.000	44.890	0.988	0.512	1233.138	192.498
32.800	0.000	44.846	0.986	0.514	1233.136	191.941
33.000	0.000	44.801	0.985	0.515	1233.135	191.385
33.200	0.000	44.756	0.983	0.517	1233.133	190.829
33.400	0.000	44.712	0.981	0.519	1233.131	190.274
33.600	0.000	44.667	0.979	0.521	1233.129	189.719
33.800	0.000	44.622	0.978	0.522	1233.128	189.165
34.000	0.000	44.578	0.976	0.524	1233.126	188.611
34.200	0.000	44.533	0.974	0.526	1233.124	188.058
34.400	0.000	44.488	0.972	0.528	1233.122	187.505
34.600	0.000	44.444	0.970	0.530	1233.120	186.953
34.800	0.000	44.399	0.969	0.531	1233.119	186.401
35.000	0.000	44.355	0.967	0.533	1233.117	185.849
35.200	0.000	44.310	0.965	0.535	1233.115	185.298
35.400	0.000	44.265	0.963	0.537	1233.113	184.748
35.600	0.000	44.221	0.961	0.539	1233.111	184.198
35.800	0.000	44.176	0.960	0.540	1233.110	183.648
36.000	0.000	44.131	0.958	0.542	1233.108	183.099
36.200	0.000	44.087	0.956	0.544	1233.106	182.550
36.400	0.000	44.042	0.954	0.546	1233.104	182.002
36.600	0.000	43.998	0.953	0.547	1233.103	181.455
36.800	0.000	43.953	0.951	0.549	1233.101	180.907
37.000	0.000	43.908	0.949	0.551	1233.099	180.361
37.200	0.000	43.864	0.947	0.553	1233.097	179.814
37.400	0.000	43.819	0.945	0.555	1233.095	179.268
37.600	0.000	43.774	0.944	0.556	1233.094	178.723
37.800	0.000	43.730	0.942	0.558	1233.092	178.178
38.000	0.000	43.685	0.940	0.560	1233.090	177.634
38.200	0.000	43.641	0.938	0.562	1233.088	177.090
38.400	0.000	43.596	0.936	0.564	1233.086	176.546
38.600	0.000	43.551	0.935	0.565	1233.085	176.003
38.800	0.000	43.507	0.933	0.567	1233.083	175.461
39.000	0.000	43.462	0.931	0.569	1233.081	174.919
39.200	0.000	43.417	0.929	0.571	1233.079	174.377
39.400	0.000	43.373	0.928	0.572	1233.078	173.836
39.600	0.000	43.328	0.926	0.574	1233.076	173.296
39.800	0.000	43.283	0.924	0.576	1233.074	172.755
40.000	0.000	43.239	0.922	0.578	1233.072	172.216
40.200	0.000	43.194	0.920	0.580	1233.070	171.676
40.400	0.000	43.150	0.919	0.581	1233.069	171.138
40.600	0.000	43.105	0.917	0.583	1233.067	170.599
40.800	0.000	43.060	0.915	0.585	1233.065	170.062
41.000	0.000	43.015	0.913	0.587	1233.063	169.524
41.200	0.000	42.967	0.911	0.589	1233.061	168.987
41.400	0.000	42.919	0.910	0.590	1233.060	168.451
41.600	0.000	42.871	0.908	0.592	1233.058	167.915
41.800	0.000	42.823	0.906	0.594	1233.056	167.379
42.000	0.000	42.775	0.904	0.596	1233.054	166.844
42.200	0.000	42.727	0.903	0.597	1233.053	166.310
42.400	0.000	42.679	0.901	0.599	1233.051	165.776
42.600	0.000	42.631	0.899	0.601	1233.049	165.242
42.800	0.000	42.583	0.897	0.603	1233.047	164.709
43.000	0.000	42.535	0.895	0.605	1233.045	164.199
43.200	0.000	42.491	0.894	0.606	1233.044	163.711
43.400	0.000	42.447	0.892	0.608	1233.042	163.223
43.600	0.000	42.403	0.891	0.609	1233.041	162.736
43.800	0.000	42.358	0.889	0.611	1233.039	162.249
44.000	0.000	42.314	0.887	0.613	1233.037	161.763
44.200	0.000	42.270	0.886	0.614	1233.036	161.277
44.400	0.000	42.226	0.884	0.616	1233.034	160.792
44.600	0.000	42.182	0.882	0.618	1233.032	160.307
44.800	0.000	42.138	0.881	0.619	1233.031	159.822
45.000	0.000	42.094	0.879	0.621	1233.029	159.337
45.200	0.000	42.050	0.877	0.623	1233.027	158.854
45.400	0.000	42.006	0.876	0.624	1233.026	158.370
45.600	0.000	41.962	0.874	0.626	1233.024	157.887
45.800	0.000	41.918	0.873	0.627	1233.023	157.404
46.000	0.000	41.874	0.871	0.629	1233.021	156.922
46.200	0.000	41.830	0.869	0.631	1233.019	156.440
46.400	0.000	41.786	0.868	0.632	1233.018	155.958

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
46.600	0.000	41.742	0.866	0.634	1233.016	155.477
46.800	0.000	41.698	0.864	0.636	1233.014	154.996
47.000	0.000	41.654	0.863	0.637	1233.013	154.516
47.200	0.000	41.610	0.861	0.639	1233.011	154.036
47.400	0.000	41.566	0.859	0.641	1233.009	153.556
47.600	0.000	41.521	0.858	0.642	1233.008	153.077
47.800	0.000	41.477	0.856	0.644	1233.006	152.598
48.000	0.000	41.433	0.855	0.645	1233.005	152.120
48.200	0.000	41.389	0.853	0.647	1233.003	151.642
48.400	0.000	41.345	0.851	0.649	1233.001	151.164
48.600	0.000	41.301	0.850	0.650	1233.000	150.687
48.800	0.000	41.257	0.848	0.652	1232.998	150.210
49.000	0.000	41.213	0.846	0.654	1232.996	149.733
49.200	0.000	41.169	0.845	0.655	1232.995	149.257
49.400	0.000	41.125	0.843	0.657	1232.993	148.782
49.600	0.000	41.081	0.841	0.659	1232.991	148.306
49.800	0.000	41.037	0.840	0.660	1232.990	147.832
50.000	0.000	40.993	0.838	0.662	1232.988	147.357
50.200	0.000	40.949	0.837	0.663	1232.987	146.883
50.400	0.000	40.905	0.835	0.665	1232.985	146.409
50.600	0.000	40.861	0.833	0.667	1232.983	145.936
50.800	0.000	40.817	0.832	0.668	1232.982	145.463
51.000	0.000	40.773	0.830	0.670	1232.980	144.990
51.200	0.000	40.729	0.828	0.672	1232.978	144.518
51.400	0.000	40.684	0.827	0.673	1232.977	144.047
51.600	0.000	40.640	0.825	0.675	1232.975	143.575
51.800	0.000	40.596	0.823	0.677	1232.973	143.104
52.000	0.000	40.552	0.822	0.678	1232.972	142.634
52.200	0.000	40.508	0.820	0.680	1232.970	142.163
52.400	0.000	40.464	0.819	0.681	1232.969	141.694
52.600	0.000	40.420	0.817	0.683	1232.967	141.224
52.800	0.000	40.376	0.815	0.685	1232.965	140.755
53.000	0.000	40.332	0.814	0.686	1232.964	140.287
53.200	0.000	40.288	0.812	0.688	1232.962	139.818
53.400	0.000	40.244	0.810	0.690	1232.960	139.351
53.600	0.000	40.200	0.809	0.691	1232.959	138.883
53.800	0.000	40.156	0.807	0.693	1232.957	138.416
54.000	0.000	40.112	0.805	0.695	1232.955	137.949
54.200	0.000	40.068	0.804	0.696	1232.954	137.483
54.400	0.000	40.024	0.802	0.698	1232.952	137.017
54.600	0.000	39.980	0.801	0.699	1232.951	136.552
54.800	0.000	39.936	0.799	0.701	1232.949	136.087
55.000	0.000	39.892	0.797	0.703	1232.947	135.622
55.200	0.000	39.847	0.796	0.704	1232.946	135.158
55.400	0.000	39.803	0.794	0.706	1232.944	134.694
55.600	0.000	39.759	0.792	0.708	1232.942	134.230
55.800	0.000	39.715	0.791	0.709	1232.941	133.767
56.000	0.000	39.671	0.789	0.711	1232.939	133.304
56.200	0.000	39.627	0.787	0.713	1232.937	132.842
56.400	0.000	39.583	0.786	0.714	1232.936	132.380
56.600	0.000	39.539	0.784	0.716	1232.934	131.919
56.800	0.000	39.495	0.783	0.717	1232.933	131.457
57.000	0.000	39.451	0.781	0.719	1232.931	130.997
57.200	0.000	39.407	0.779	0.721	1232.929	130.536
57.400	0.000	39.363	0.778	0.722	1232.928	130.076
57.600	0.000	39.319	0.776	0.724	1232.926	129.617
57.800	0.000	39.275	0.774	0.726	1232.924	129.158
58.000	0.000	39.231	0.773	0.727	1232.923	128.699
58.200	0.000	39.187	0.771	0.729	1232.921	128.240
58.400	0.000	39.143	0.769	0.731	1232.919	127.782
58.600	0.000	39.099	0.768	0.732	1232.918	127.325
58.800	0.000	39.055	0.766	0.734	1232.916	126.867
59.000	0.000	39.010	0.765	0.735	1232.915	126.411
59.200	0.000	38.966	0.763	0.737	1232.913	125.954
59.400	0.000	38.922	0.761	0.739	1232.911	125.498
59.600	0.000	38.873	0.760	0.740	1232.910	125.042
59.800	0.000	38.824	0.758	0.742	1232.908	124.587
60.000	0.000	38.775	0.756	0.744	1232.906	124.132
60.200	0.000	38.726	0.755	0.745	1232.905	123.678
60.400	0.000	38.676	0.753	0.747	1232.903	123.224
60.600	0.000	38.627	0.751	0.749	1232.901	122.770
60.800	0.000	38.578	0.750	0.750	1232.900	122.316
61.000	0.000	38.528	0.748	0.752	1232.898	121.864
61.200	0.000	38.479	0.747	0.754	1232.897	121.411
61.400	0.000	38.430	0.745	0.755	1232.895	120.959
61.600	0.000	38.381	0.743	0.757	1232.893	120.507
61.800	0.000	38.331	0.742	0.758	1232.892	120.056
62.000	0.000	38.282	0.740	0.760	1232.890	119.605
62.200	0.000	38.233	0.738	0.762	1232.888	119.154
62.400	0.000	38.183	0.737	0.763	1232.887	118.704
62.600	0.000	38.134	0.735	0.765	1232.885	118.254
62.800	0.000	38.085	0.733	0.767	1232.883	117.805
63.000	0.000	38.036	0.732	0.768	1232.882	117.356

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
63.200	0.000	37.986	0.730	0.770	1232.880	116.907
63.400	0.000	37.937	0.729	0.772	1232.879	116.459
63.600	0.000	37.888	0.727	0.773	1232.877	116.011
63.800	0.000	37.839	0.725	0.775	1232.875	115.563
64.000	0.000	37.789	0.724	0.776	1232.874	115.116
64.200	0.000	37.740	0.722	0.778	1232.872	114.670
64.400	0.000	37.691	0.720	0.780	1232.870	114.223
64.600	0.000	37.641	0.719	0.781	1232.869	113.778
64.800	0.000	37.592	0.717	0.783	1232.867	113.332
65.000	0.000	37.543	0.715	0.785	1232.865	112.887
65.200	0.000	37.494	0.714	0.786	1232.864	112.442
65.400	0.000	37.444	0.712	0.788	1232.862	111.998
65.600	0.000	37.395	0.710	0.790	1232.860	111.554
65.800	0.000	37.346	0.709	0.791	1232.859	111.110
66.000	0.000	37.296	0.707	0.793	1232.857	110.667
66.200	0.000	37.247	0.706	0.794	1232.856	110.224
66.400	0.000	37.198	0.704	0.796	1232.854	109.782
66.600	0.000	37.149	0.702	0.798	1232.852	109.340
66.800	0.000	37.099	0.701	0.799	1232.851	108.898
67.000	0.000	37.050	0.699	0.801	1232.849	108.457
67.200	0.000	37.001	0.697	0.803	1232.847	108.016
67.400	0.000	36.952	0.696	0.804	1232.846	107.576
67.600	0.000	36.902	0.694	0.806	1232.844	107.136
67.800	0.000	36.853	0.692	0.808	1232.842	106.696
68.000	0.000	36.804	0.691	0.809	1232.841	106.257
68.200	0.000	36.754	0.689	0.811	1232.839	105.818
68.400	0.000	36.705	0.688	0.812	1232.838	105.380
68.600	0.000	36.656	0.686	0.814	1232.836	104.941
68.800	0.000	36.607	0.684	0.816	1232.834	104.504
69.000	0.000	36.557	0.683	0.817	1232.833	104.066
69.200	0.000	36.508	0.681	0.819	1232.831	103.630
69.400	0.000	36.459	0.679	0.821	1232.829	103.193
69.600	0.000	36.409	0.678	0.822	1232.828	102.757
69.800	0.000	36.360	0.676	0.824	1232.826	102.321
70.000	0.000	36.311	0.674	0.826	1232.824	101.886
70.200	0.000	36.262	0.673	0.827	1232.823	101.451
70.400	0.000	36.212	0.671	0.829	1232.821	101.016
70.600	0.000	36.163	0.670	0.830	1232.820	100.582
70.800	0.000	36.114	0.668	0.832	1232.818	100.148
71.000	0.000	36.065	0.666	0.834	1232.816	99.715
71.200	0.000	36.015	0.665	0.835	1232.815	99.282
71.400	0.000	35.966	0.663	0.837	1232.813	98.849
71.600	0.000	35.917	0.661	0.839	1232.811	98.417
71.800	0.000	35.867	0.660	0.840	1232.810	97.985
72.000	0.000	35.818	0.658	0.842	1232.808	97.553
72.200	0.000	35.769	0.656	0.844	1232.806	97.122
72.400	0.000	35.720	0.655	0.845	1232.805	96.692
72.600	0.000	35.670	0.653	0.847	1232.803	96.261
72.800	0.000	35.621	0.652	0.848	1232.802	95.831
73.000	0.000	35.572	0.650	0.850	1232.800	95.402
73.200	0.000	35.522	0.648	0.852	1232.798	94.973
73.400	0.000	35.473	0.647	0.853	1232.797	94.544
73.600	0.000	35.424	0.645	0.855	1232.795	94.115
73.800	0.000	35.375	0.643	0.857	1232.793	93.687
74.000	0.000	35.325	0.642	0.858	1232.792	93.260
74.200	0.000	35.276	0.640	0.860	1232.790	92.833
74.400	0.000	35.227	0.638	0.862	1232.788	92.406
74.600	0.000	35.178	0.637	0.863	1232.787	91.979
74.800	0.000	35.128	0.635	0.865	1232.785	91.553
75.000	0.000	35.079	0.634	0.866	1232.784	91.128
75.200	0.000	35.030	0.632	0.868	1232.782	90.702
75.400	0.000	34.980	0.630	0.870	1232.780	90.278
75.600	0.000	34.931	0.629	0.871	1232.779	89.853
75.800	0.000	34.882	0.627	0.873	1232.777	89.429
76.000	0.000	34.833	0.625	0.875	1232.775	89.005
76.200	0.000	34.783	0.624	0.876	1232.774	88.582
76.400	0.000	34.734	0.622	0.878	1232.772	88.159
76.600	0.000	34.685	0.620	0.880	1232.770	87.736
76.800	0.000	34.635	0.619	0.881	1232.769	87.314
77.000	0.000	34.586	0.617	0.883	1232.767	86.893
77.200	0.000	34.537	0.616	0.884	1232.766	86.471
77.400	0.000	34.488	0.614	0.886	1232.764	86.050
77.600	0.000	34.438	0.612	0.888	1232.762	85.630
77.800	0.000	34.389	0.611	0.889	1232.761	85.209
78.000	0.000	34.340	0.609	0.891	1232.759	84.790
78.200	0.000	34.284	0.607	0.893	1232.757	84.370
78.400	0.000	34.227	0.606	0.894	1232.756	83.951
78.600	0.000	34.170	0.604	0.896	1232.754	83.532
78.800	0.000	34.113	0.602	0.898	1232.752	83.114
79.000	0.000	34.056	0.601	0.899	1232.751	82.696

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
79.200	0.000	33.999	0.599	0.901	1232.749	82.279
79.400	0.000	33.942	0.598	0.902	1232.748	81.862
79.600	0.000	33.885	0.596	0.904	1232.746	81.445
79.800	0.000	33.828	0.594	0.906	1232.744	81.029
80.000	0.000	33.771	0.593	0.907	1232.743	80.613
80.200	0.000	33.714	0.591	0.909	1232.741	80.197
80.400	0.000	33.657	0.589	0.911	1232.739	79.782
80.600	0.000	33.600	0.588	0.912	1232.738	79.367
80.800	0.000	33.543	0.586	0.914	1232.736	78.953
81.000	0.000	33.486	0.584	0.916	1232.734	78.539
81.200	0.000	33.429	0.583	0.917	1232.733	78.125
81.400	0.000	33.372	0.581	0.919	1232.731	77.712
81.600	0.000	33.315	0.580	0.920	1232.730	77.299
81.800	0.000	33.258	0.578	0.922	1232.728	76.887
82.000	0.000	33.201	0.576	0.924	1232.726	76.475
82.200	0.000	33.145	0.575	0.925	1232.725	76.063
82.400	0.000	33.088	0.573	0.927	1232.723	75.652
82.600	0.000	33.031	0.571	0.929	1232.721	75.241
82.800	0.000	32.974	0.570	0.930	1232.720	74.830
83.000	0.000	32.917	0.568	0.932	1232.718	74.420
83.200	0.000	32.860	0.566	0.934	1232.716	74.010
83.400	0.000	32.803	0.565	0.935	1232.715	73.601
83.600	0.000	32.746	0.563	0.937	1232.713	73.192
83.800	0.000	32.689	0.562	0.938	1232.712	72.783
84.000	0.000	32.632	0.560	0.940	1232.710	72.375
84.200	0.000	32.575	0.558	0.942	1232.708	71.967
84.400	0.000	32.518	0.557	0.943	1232.707	71.560
84.600	0.000	32.461	0.555	0.945	1232.705	71.153
84.800	0.000	32.404	0.553	0.947	1232.703	70.746
85.000	0.000	32.347	0.552	0.948	1232.702	70.340
85.200	0.000	32.290	0.550	0.950	1232.700	69.934
85.400	0.000	32.236	0.549	0.951	1232.699	69.528
85.600	0.000	32.184	0.547	0.953	1232.697	69.122
85.800	0.000	32.132	0.546	0.954	1232.696	68.717
86.000	0.000	32.080	0.544	0.956	1232.694	68.312
86.200	0.000	32.028	0.543	0.957	1232.693	67.907
86.400	0.000	31.977	0.541	0.959	1232.691	67.502
86.600	0.000	31.925	0.540	0.960	1232.690	67.097
86.800	0.000	31.873	0.538	0.962	1232.688	66.692
87.000	0.000	31.821	0.537	0.963	1232.687	66.287
87.200	0.000	31.770	0.535	0.965	1232.685	65.882
87.400	0.000	31.718	0.534	0.966	1232.684	65.477
87.600	0.000	31.666	0.532	0.968	1232.682	65.072
87.800	0.000	31.614	0.531	0.969	1232.681	64.667
88.000	0.000	31.562	0.529	0.971	1232.679	64.262
88.200	0.000	31.511	0.528	0.972	1232.678	63.857
88.400	0.000	31.459	0.526	0.974	1232.676	63.452
88.600	0.000	31.407	0.525	0.975	1232.675	63.047
88.800	0.000	31.355	0.523	0.977	1232.673	62.642
89.000	0.000	31.303	0.522	0.978	1232.672	62.237
89.200	0.000	31.252	0.520	0.980	1232.670	61.832
89.400	0.000	31.200	0.519	0.981	1232.669	61.427
89.600	0.000	31.148	0.517	0.983	1232.667	61.022
89.800	0.000	31.096	0.516	0.984	1232.666	60.617
90.000	0.000	31.044	0.514	0.986	1232.664	60.212
90.200	0.000	30.993	0.513	0.987	1232.663	59.807
90.400	0.000	30.941	0.511	0.989	1232.661	59.402
90.600	0.000	30.889	0.510	0.990	1232.660	59.000
90.800	0.000	30.837	0.508	0.992	1232.658	58.595
91.000	0.000	30.785	0.507	0.993	1232.657	58.190
91.200	0.000	30.734	0.505	0.995	1232.655	57.785
91.400	0.000	30.682	0.504	0.996	1232.654	57.380
91.600	0.000	30.630	0.502	0.998	1232.652	56.975
91.800	0.000	30.578	0.501	0.999	1232.651	56.570
92.000	0.000	30.527	0.499	1.001	1232.649	56.165
92.200	0.000	30.475	0.498	1.002	1232.648	55.760
92.400	0.000	30.423	0.496	1.004	1232.646	55.355
92.600	0.000	30.371	0.495	1.005	1232.645	54.950
92.800	0.000	30.319	0.494	1.007	1232.644	54.545
93.000	0.000	30.268	0.492	1.008	1232.642	54.140
93.200	0.000	30.216	0.491	1.009	1232.641	53.735
93.400	0.000	30.164	0.489	1.011	1232.639	53.330
93.600	0.000	30.112	0.488	1.012	1232.638	52.925
93.800	0.000	30.060	0.486	1.014	1232.636	52.520
94.000	0.000	30.009	0.485	1.015	1232.635	52.115
94.200	0.000	29.957	0.483	1.017	1232.633	51.710
94.400	0.000	29.905	0.482	1.018	1232.632	51.305
94.600	0.000	29.853	0.480	1.020	1232.630	50.900
94.800	0.000	29.801	0.479	1.021	1232.629	50.495
95.000	0.000	29.750	0.477	1.023	1232.627	50.090
95.200	0.000	29.698	0.476	1.024	1232.626	49.685

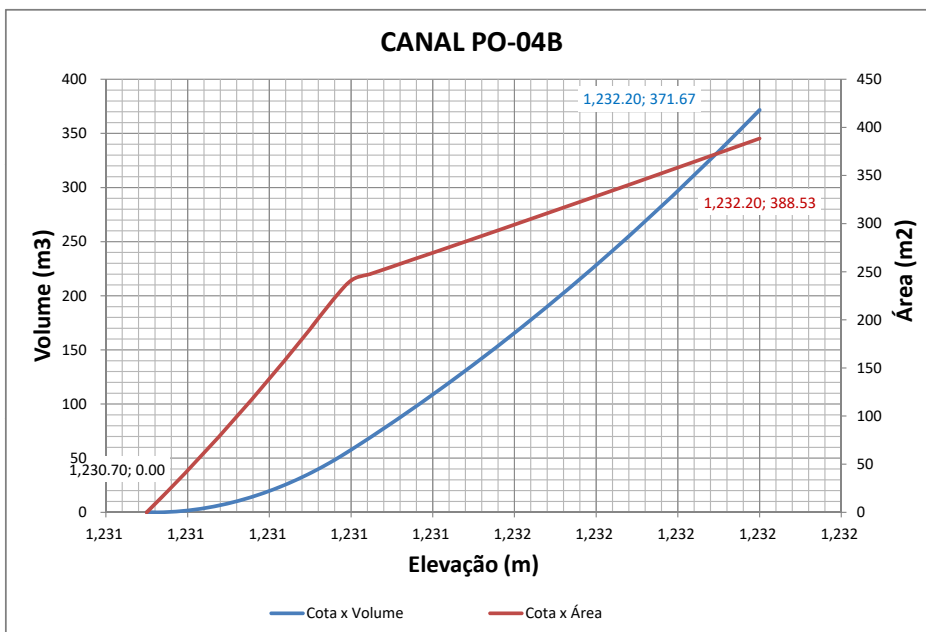
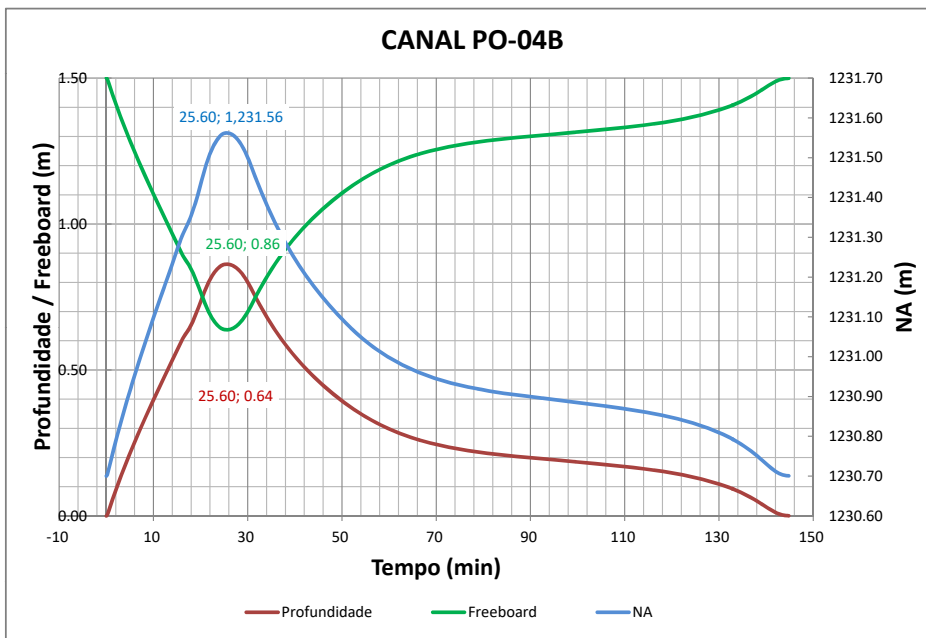
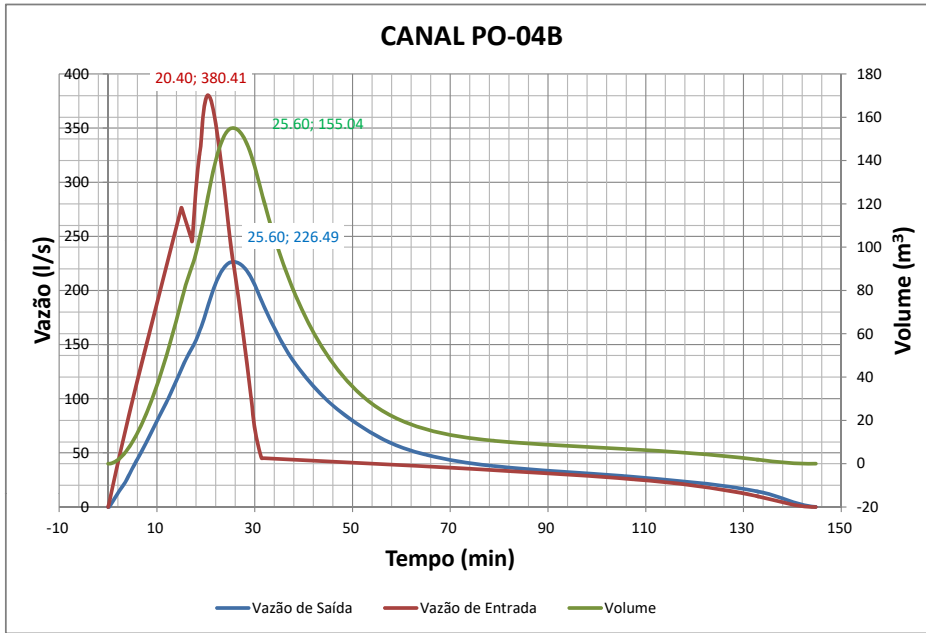
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
95.400	0.000	29.646	0.474	1.026	1232.624	51.649
95.600	0.000	29.594	0.473	1.027	1232.623	51.310
95.800	0.000	29.543	0.471	1.029	1232.621	50.972
96.000	0.000	29.491	0.470	1.030	1232.620	50.634
96.200	0.000	29.439	0.468	1.032	1232.618	50.281
96.400	0.000	29.382	0.466	1.034	1232.616	49.913
96.600	0.000	29.325	0.465	1.035	1232.615	49.545
96.800	0.000	29.268	0.463	1.037	1232.613	49.179
97.000	0.000	29.211	0.462	1.038	1232.612	48.814
97.200	0.000	29.154	0.460	1.040	1232.610	48.451
97.400	0.000	29.097	0.458	1.042	1232.608	48.088
97.600	0.000	29.040	0.457	1.043	1232.607	47.727
97.800	0.000	28.972	0.455	1.045	1232.605	47.367
98.000	0.000	28.902	0.453	1.047	1232.603	47.009
98.200	0.000	28.832	0.452	1.048	1232.602	46.652
98.400	0.000	28.762	0.450	1.050	1232.600	46.296
98.600	0.000	28.692	0.448	1.052	1232.598	45.941
98.800	0.000	28.622	0.447	1.053	1232.597	45.588
99.000	0.000	28.552	0.445	1.055	1232.595	45.236
99.200	0.000	28.482	0.444	1.056	1232.594	44.886
99.400	0.000	28.412	0.442	1.058	1232.592	44.537
99.600	0.000	28.342	0.440	1.060	1232.590	44.189
99.800	0.000	28.272	0.439	1.061	1232.589	43.843
100.000	0.000	28.202	0.437	1.063	1232.587	43.499
100.200	0.000	28.132	0.435	1.065	1232.585	43.156
100.400	0.000	28.062	0.434	1.066	1232.584	42.814
100.600	0.000	27.992	0.432	1.068	1232.582	42.474
100.800	0.000	27.922	0.430	1.070	1232.580	42.135
101.000	0.000	27.852	0.429	1.071	1232.579	41.798
101.200	0.000	27.782	0.427	1.073	1232.577	41.462
101.400	0.000	27.712	0.426	1.074	1232.576	41.128
101.600	0.000	27.642	0.424	1.076	1232.574	40.795
101.800	0.000	27.572	0.422	1.078	1232.572	40.463
102.000	0.000	27.502	0.421	1.079	1232.571	40.133
102.200	0.000	27.432	0.419	1.081	1232.569	39.805
102.400	0.000	27.362	0.417	1.083	1232.567	39.478
102.600	0.000	27.292	0.416	1.084	1232.566	39.152
102.800	0.000	27.222	0.414	1.086	1232.564	38.828
103.000	0.000	27.152	0.412	1.088	1232.562	38.505
103.200	0.000	27.081	0.411	1.089	1232.561	38.184
103.400	0.000	27.011	0.409	1.091	1232.559	37.864
103.600	0.000	26.941	0.408	1.092	1232.558	37.546
103.800	0.000	26.871	0.406	1.094	1232.556	37.229
104.000	0.000	26.801	0.404	1.096	1232.554	36.913
104.200	0.000	26.731	0.403	1.097	1232.553	36.599
104.400	0.000	26.661	0.401	1.099	1232.551	36.287
104.600	0.000	26.591	0.399	1.101	1232.549	35.975
104.800	0.000	26.521	0.398	1.102	1232.548	35.666
105.000	0.000	26.451	0.396	1.104	1232.546	35.357
105.200	0.000	26.381	0.394	1.106	1232.544	35.051
105.400	0.000	26.311	0.393	1.107	1232.543	34.745
105.600	0.000	26.241	0.391	1.109	1232.541	34.441
105.800	0.000	26.171	0.390	1.110	1232.540	34.138
106.000	0.000	26.101	0.388	1.112	1232.538	33.837
106.200	0.000	26.031	0.386	1.114	1232.536	33.538
106.400	0.000	25.961	0.385	1.115	1232.535	33.239
106.600	0.000	25.891	0.383	1.117	1232.533	32.929
106.800	0.000	25.814	0.381	1.119	1232.531	32.607
107.000	0.000	25.738	0.379	1.121	1232.529	32.286
107.200	0.000	25.662	0.378	1.122	1232.528	31.967
107.400	0.000	25.585	0.376	1.124	1232.526	31.650
107.600	0.000	25.509	0.374	1.126	1232.524	31.335
107.800	0.000	25.432	0.372	1.128	1232.522	31.021
108.000	0.000	25.356	0.370	1.130	1232.520	30.709
108.200	0.000	25.280	0.369	1.131	1232.519	30.399
108.400	0.000	25.203	0.367	1.133	1232.517	30.090
108.600	0.000	25.127	0.365	1.135	1232.515	29.783
108.800	0.000	25.050	0.363	1.137	1232.513	29.478
109.000	0.000	24.974	0.361	1.139	1232.511	29.174
109.200	0.000	24.898	0.360	1.140	1232.510	28.873
109.400	0.000	24.821	0.358	1.142	1232.508	28.572
109.600	0.000	24.745	0.356	1.144	1232.506	28.274
109.800	0.000	24.668	0.354	1.146	1232.504	27.977
110.000	0.000	24.592	0.353	1.147	1232.503	27.682
110.200	0.000	24.516	0.351	1.149	1232.501	27.389
110.400	0.000	24.439	0.349	1.151	1232.499	27.097
110.600	0.000	24.363	0.347	1.153	1232.497	26.807
110.800	0.000	24.286	0.345	1.155	1232.495	26.519
111.000	0.000	24.210	0.344	1.156	1232.494	26.232
111.200	0.000	24.134	0.342	1.158	1232.492	25.947
111.400	0.000	24.057	0.340	1.160	1232.490	25.663
111.600	0.000	23.981	0.338	1.162	1232.488	25.381
111.800	0.000	23.904	0.336	1.164	1232.486	25.101

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
112.000	0.000	23.828	0.335	1.165	1232.485	24.823
112.200	0.000	23.751	0.333	1.167	1232.483	24.546
112.400	0.000	23.675	0.331	1.169	1232.481	24.270
112.600	0.000	23.599	0.329	1.171	1232.479	23.997
112.800	0.000	23.522	0.328	1.172	1232.478	23.725
113.000	0.000	23.446	0.326	1.174	1232.476	23.455
113.200	0.000	23.366	0.324	1.176	1232.474	23.164
113.400	0.000	23.284	0.322	1.178	1232.472	22.875
113.600	0.000	23.201	0.320	1.180	1232.470	22.587
113.800	0.000	23.118	0.318	1.182	1232.468	22.302
114.000	0.000	23.035	0.316	1.184	1232.466	22.019
114.200	0.000	22.952	0.314	1.186	1232.464	21.738
114.400	0.000	22.870	0.312	1.188	1232.462	21.458
114.600	0.000	22.787	0.310	1.190	1232.460	21.181
114.800	0.000	22.704	0.308	1.192	1232.458	20.905
115.000	0.000	22.621	0.306	1.194	1232.456	20.631
115.200	0.000	22.539	0.304	1.196	1232.454	20.360
115.400	0.000	22.431	0.303	1.197	1232.453	20.090
115.600	0.000	22.312	0.301	1.199	1232.451	19.822
115.800	0.000	22.192	0.299	1.201	1232.449	19.556
116.000	0.000	22.072	0.297	1.203	1232.447	19.292
116.200	0.000	21.952	0.295	1.205	1232.445	19.030
116.400	0.000	21.832	0.293	1.207	1232.443	18.770
116.600	0.000	21.712	0.291	1.209	1232.441	18.511
116.800	0.000	21.592	0.289	1.211	1232.439	18.255
117.000	0.000	21.472	0.287	1.213	1232.437	18.000
117.200	0.000	21.352	0.285	1.215	1232.435	17.748
117.400	0.000	21.232	0.283	1.217	1232.433	17.497
117.600	0.000	21.112	0.281	1.219	1232.431	17.248
117.800	0.000	20.992	0.279	1.221	1232.429	17.001
118.000	0.000	20.873	0.277	1.223	1232.427	16.755
118.200	0.000	20.753	0.275	1.225	1232.425	16.512
118.400	0.000	20.633	0.274	1.226	1232.424	16.271
118.600	0.000	20.513	0.272	1.228	1232.422	16.031
118.800	0.000	20.393	0.270	1.230	1232.420	15.793
119.000	0.000	20.273	0.268	1.232	1232.418	15.558
119.200	0.000	20.153	0.266	1.234	1232.416	15.324
119.400	0.000	20.033	0.264	1.236	1232.414	15.092
119.600	0.000	19.913	0.262	1.238	1232.412	14.862
119.800	0.000	19.789	0.260	1.240	1232.410	14.616
120.000	0.000	19.659	0.258	1.242	1232.408	14.372
120.200	0.000	19.530	0.256	1.244	1232.406	14.131
120.400	0.000	19.401	0.254	1.246	1232.404	13.892
120.600	0.000	19.272	0.252	1.249	1232.402	13.655
120.800	0.000	19.143	0.249	1.251	1232.399	13.420
121.000	0.000	19.014	0.247	1.253	1232.397	13.187
121.200	0.000	18.885	0.245	1.255	1232.395	12.957
121.400	0.000	18.755	0.243	1.257	1232.393	12.728
121.600	0.000	18.626	0.241	1.259	1232.391	12.502
121.800	0.000	18.497	0.239	1.261	1232.389	12.277
122.000	0.000	18.368	0.237	1.263	1232.387	12.055
122.200	0.000	18.239	0.235	1.265	1232.385	11.835
122.400	0.000	18.110	0.233	1.267	1232.383	11.617
122.600	0.000	17.981	0.231	1.269	1232.381	11.401
122.800	0.000	17.851	0.229	1.271	1232.379	11.188
123.000	0.000	17.722	0.227	1.274	1232.377	10.976
123.200	0.000	17.593	0.224	1.276	1232.374	10.767
123.400	0.000	17.464	0.222	1.278	1232.372	10.559
123.600	0.000	17.335	0.220	1.280	1232.370	10.354
123.800	0.000	17.206	0.218	1.282	1232.368	10.151
124.000	0.000	17.077	0.216	1.284	1232.366	9.950
124.200	0.000	16.947	0.214	1.286	1232.364	9.751
124.400	0.000	16.818	0.212	1.288	1232.362	9.554
124.600	0.000	16.689	0.210	1.290	1232.360	9.359
124.800	0.000	16.560	0.208	1.292	1232.358	9.167
125.000	0.000	16.431	0.206	1.294	1232.356	8.976
125.200	0.000	16.297	0.203	1.297	1232.353	8.774
125.400	0.000	16.159	0.201	1.299	1232.351	8.575
125.600	0.000	16.020	0.199	1.301	1232.349	8.378
125.800	0.000	15.882	0.197	1.303	1232.347	8.183
126.000	0.000	15.744	0.195	1.306	1232.345	7.991
126.200	0.000	15.605	0.192	1.308	1232.342	7.801
126.400	0.000	15.467	0.190	1.310	1232.340	7.614
126.600	0.000	15.328	0.188	1.312	1232.338	7.429
126.800	0.000	15.190	0.186	1.314	1232.336	7.246
127.000	0.000	15.052	0.183	1.317	1232.333	7.066
127.200	0.000	14.913	0.181	1.319	1232.331	6.888
127.400	0.000	14.775	0.179	1.321	1232.329	6.712
127.600	0.000	14.637	0.177	1.323	1232.327	6.539
127.800	0.000	14.498	0.174	1.326	1232.324	6.368
128.000	0.000	14.360	0.172	1.328	1232.322	6.200
128.200	0.000	14.221	0.170	1.330	1232.320	6.033
128.400	0.000	14.083	0.168	1.332	1232.318	5.870

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
128.600	0.000	13.940	0.165	1.335	1232.315	5.698
128.800	0.000	13.793	0.163	1.337	1232.313	5.528
129.000	0.000	13.645	0.161	1.339	1232.311	5.362
129.200	0.000	13.497	0.158	1.342	1232.308	5.198
129.400	0.000	13.350	0.156	1.344	1232.306	5.036
129.600	0.000	13.202	0.153	1.347	1232.303	4.878
129.800	0.000	13.051	0.151	1.349	1232.301	4.722
130.000	0.000	12.847	0.149	1.351	1232.299	4.569
130.200	0.000	12.643	0.146	1.354	1232.296	4.418
130.400	0.000	12.439	0.144	1.356	1232.294	4.270
130.600	0.000	12.235	0.142	1.358	1232.292	4.125
130.800	0.000	12.030	0.139	1.361	1232.289	3.982
131.000	0.000	11.826	0.137	1.363	1232.287	3.842
131.200	0.000	11.622	0.134	1.366	1232.284	3.704
131.400	0.000	11.418	0.132	1.368	1232.282	3.569
131.600	0.000	11.214	0.130	1.370	1232.280	3.437
131.800	0.000	11.010	0.127	1.373	1232.277	3.307
132.000	0.000	10.806	0.125	1.375	1232.275	3.179
132.200	0.000	10.602	0.122	1.378	1232.272	3.055
132.400	0.000	10.397	0.120	1.380	1232.270	2.933
132.600	0.000	10.193	0.118	1.382	1232.268	2.813
132.800	0.000	9.989	0.115	1.385	1232.265	2.696
133.000	0.000	9.785	0.113	1.387	1232.263	2.582
133.200	0.000	9.581	0.111	1.389	1232.261	2.471
133.400	0.000	9.377	0.108	1.392	1232.258	2.358
133.600	0.000	9.160	0.106	1.394	1232.256	2.245
133.800	0.000	8.943	0.103	1.397	1232.253	2.135
134.000	0.000	8.726	0.101	1.399	1232.251	2.028
134.200	0.000	8.509	0.098	1.402	1232.248	1.924
134.400	0.000	8.292	0.095	1.405	1232.245	1.822
134.600	0.000	8.076	0.093	1.407	1232.243	1.724
134.800	0.000	7.859	0.090	1.410	1232.240	1.628
135.000	0.000	7.642	0.088	1.412	1232.238	1.535
135.200	0.000	7.425	0.085	1.415	1232.235	1.445
135.400	0.000	7.208	0.083	1.417	1232.233	1.358
135.600	0.000	6.991	0.080	1.420	1232.230	1.274
135.800	0.000	6.774	0.078	1.422	1232.228	1.192
136.000	0.000	6.557	0.075	1.425	1232.225	1.113
136.200	0.000	6.341	0.073	1.427	1232.223	1.038
136.400	0.000	6.124	0.070	1.430	1232.220	0.965
136.600	0.000	5.907	0.068	1.432	1232.218	0.894
136.800	0.000	5.690	0.065	1.435	1232.215	0.827
137.000	0.000	5.473	0.063	1.437	1232.213	0.763
137.200	0.000	5.256	0.060	1.440	1232.210	0.701
137.400	0.000	5.039	0.058	1.443	1232.208	0.642
137.600	0.000	4.816	0.055	1.445	1232.205	0.583
137.800	0.000	4.586	0.052	1.448	1232.202	0.527
138.000	0.000	4.357	0.049	1.451	1232.199	0.474
138.200	0.000	4.127	0.047	1.453	1232.197	0.424
138.400	0.000	3.897	0.044	1.456	1232.194	0.378
138.600	0.000	3.681	0.042	1.458	1232.192	0.336
138.800	0.000	3.464	0.039	1.461	1232.189	0.296
139.000	0.000	3.247	0.037	1.463	1232.187	0.259
139.200	0.000	3.036	0.034	1.466	1232.184	0.227
139.400	0.000	2.832	0.032	1.468	1232.182	0.196
139.600	0.000	2.628	0.030	1.470	1232.180	0.169
139.800	0.000	2.437	0.027	1.473	1232.177	0.144
140.000	0.000	2.245	0.025	1.475	1232.175	0.122
140.200	0.000	2.060	0.023	1.477	1232.173	0.102
140.400	0.000	1.882	0.021	1.479	1232.171	0.085
140.600	0.000	1.710	0.019	1.481	1232.169	0.070
140.800	0.000	1.544	0.017	1.483	1232.167	0.056
141.000	0.000	1.384	0.015	1.485	1232.165	0.045
141.200	0.000	1.231	0.014	1.486	1232.164	0.035
141.400	0.000	1.091	0.012	1.488	1232.162	0.028
141.600	0.000	0.963	0.010	1.490	1232.160	0.021
141.800	0.000	0.842	0.009	1.491	1232.159	0.016
142.000	0.000	0.727	0.008	1.492	1232.158	0.012
142.200	0.000	0.625	0.007	1.493	1232.157	0.009
142.400	0.000	0.536	0.006	1.494	1232.156	0.006
142.600	0.000	0.453	0.005	1.495	1232.155	0.005
142.800	0.000	0.376	0.004	1.496	1232.154	0.003
143.000	0.000	0.313	0.003	1.497	1232.153	0.002
143.200	0.000	0.262	0.003	1.497	1232.153	0.001
143.400	0.000	0.217	0.002	1.498	1232.152	0.001
143.600	0.000	0.179	0.002	1.498	1232.152	0.001
143.800	0.000	0.147	0.002	1.498	1232.152	0.000
144.000	0.000	0.121	0.001	1.499	1232.151	0.000
144.200	0.000	0.096	0.001	1.499	1232.151	0.000
144.400	0.000	0.077	0.001	1.499	1232.151	0.000
144.600	0.000	0.064	0.001	1.499	1232.151	0.000
144.800	0.000	0.051	0.001	1.500	1232.151	0.000
145.000	0.000	0.038	0.000	1.500	1232.150	0.000

CANAL PO-04A - V002

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
145.200	0.000	0.026	0.000	1.500	1232.150	0.000
145.400	0.000	0.026	0.000	1.500	1232.150	0.000
145.600	0.000	0.026	0.000	1.500	1232.150	0.000
145.800	0.000	0.026	0.000	1.500	1232.150	0.000
146.000	0.000	0.026	0.000	1.500	1232.150	0.000
146.200	0.000	0.026	0.000	1.500	1232.150	0.000
146.400	0.000	0.026	0.000	1.500	1232.150	0.000
146.600	0.000	0.026	0.000	1.500	1232.150	0.000
146.800	0.000	0.026	0.000	1.500	1232.150	0.000
147.000	0.000	0.026	0.000	1.500	1232.150	0.000
147.200	0.000	0.026	0.000	1.500	1232.150	0.000
147.400	0.000	0.026	0.000	1.500	1232.150	0.000
147.600	0.000	0.026	0.000	1.500	1232.150	0.000
147.800	0.000	0.026	0.000	1.500	1232.150	0.000
148.000	0.000	0.026	0.000	1.500	1232.150	0.000
148.200	0.000	0.026	0.000	1.500	1232.150	0.000
148.400	0.000	0.026	0.000	1.500	1232.150	0.000
148.600	0.000	0.026	0.000	1.500	1232.150	0.000
148.800	0.000	0.026	0.000	1.500	1232.150	0.000
149.000	0.000	0.026	0.000	1.500	1232.150	0.000
149.200	0.000	0.026	0.000	1.500	1232.150	0.000
149.400	0.000	0.026	0.000	1.500	1232.150	0.000
149.600	0.000	0.026	0.000	1.500	1232.150	0.000
149.800	0.000	0.026	0.000	1.500	1232.150	0.000
150.000	0.000	0.026	0.000	1.500	1232.150	0.000





ARQUITETURA + URBANISMO
 CLN nº 01. B. B. S. L. 900 - CEP 70.743-900
 BRASÍLIA - DF - FONE: 01 3014 3700

CANAL: PO-04B

DATA: 18.12.2019

IMPULT DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	20.40	380.412	COTA DE FUNDO JUSANTE (m)			
VAZÃO DE SAÍDA MAX. (l/s)	25.60	226.492	COTA VERTEDOIRO (m)			
PROFUNDIDADE MAX. (m)	25.60	0.862	COTA DO ORIFÍCIO (m)			
FREEBOARD MIN. (m)	25.60	0.638	VERTEDOIRO DE CONTROLE (cm)			
NA MAX. (m)	25.60	1,231.562	VERTEDOIRO DE DESCARGA (cm)			
VOLUME MAX (m ³)	25.60	155.04	DRENO DE FUNDO 3X Ø (mm)			
VOLUME TOTAL (m ³)		371.67	COEF. DE DESCARGA DO VERTEDOIRO			
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO			
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1230.700	0.000
0.200	3.279	0.000	0.004	1.496	1230.704	0.003
0.400	7.267	1.182	0.012	1.488	1230.712	0.032
0.600	11.452	2.557	0.022	1.478	1230.722	0.099
0.800	15.675	4.023	0.031	1.469	1230.731	0.208
1.000	19.905	5.511	0.041	1.459	1230.741	0.360
1.200	24.116	7.011	0.051	1.449	1230.751	0.552
1.400	28.269	8.511	0.061	1.439	1230.761	0.783
1.600	32.390	9.954	0.070	1.430	1230.770	1.044
1.800	36.492	11.363	0.079	1.421	1230.779	1.338
2.000	40.582	12.750	0.088	1.412	1230.788	1.664
2.200	44.658	14.113	0.097	1.403	1230.797	2.022
2.400	48.735	15.477	0.106	1.394	1230.806	2.412
2.600	52.799	16.818	0.115	1.385	1230.815	2.834
2.800	56.863	18.159	0.123	1.377	1230.823	3.291
3.000	60.685	19.488	0.132	1.368	1230.832	3.774
3.200	64.491	20.806	0.141	1.359	1230.841	4.292
3.400	68.292	22.113	0.149	1.351	1230.849	4.833
3.600	72.089	23.467	0.158	1.342	1230.858	5.408
3.800	75.886	25.297	0.166	1.334	1230.866	6.006
4.000	79.683	27.110	0.174	1.326	1230.874	6.630
4.200	83.480	28.892	0.182	1.318	1230.882	7.281
4.400	87.276	30.657	0.190	1.310	1230.890	7.950
4.600	91.073	32.406	0.198	1.302	1230.898	8.649
4.800	94.870	34.139	0.206	1.294	1230.906	9.365
5.000	98.667	35.855	0.214	1.286	1230.914	10.112
5.200	102.463	37.572	0.222	1.278	1230.922	10.888
5.400	106.260	39.272	0.230	1.270	1230.930	11.679
5.600	110.048	40.956	0.238	1.262	1230.938	12.499
5.800	113.687	42.640	0.245	1.255	1230.945	13.348
6.000	117.271	44.308	0.253	1.247	1230.953	14.208
6.200	120.856	45.960	0.260	1.240	1230.960	15.098
6.400	124.441	47.612	0.268	1.232	1230.968	16.016
6.600	128.026	49.264	0.276	1.224	1230.976	16.953
6.800	131.610	50.883	0.283	1.217	1230.983	17.908
7.000	135.195	52.503	0.290	1.210	1230.990	18.891
7.200	138.780	54.122	0.298	1.202	1230.998	19.902
7.400	142.364	55.741	0.305	1.195	1231.005	20.940
7.600	145.949	57.351	0.313	1.187	1231.013	21.985
7.800	149.534	58.988	0.320	1.180	1231.020	23.058
8.000	153.118	61.266	0.327	1.173	1231.027	24.157
8.200	156.703	63.143	0.334	1.166	1231.034	25.272
8.400	160.284	64.982	0.342	1.158	1231.042	26.402
8.600	163.841	66.821	0.349	1.151	1231.049	27.558
8.800	167.341	68.660	0.356	1.144	1231.056	28.740
9.000	170.842	70.499	0.363	1.137	1231.063	29.937
9.200	174.342	72.300	0.370	1.130	1231.070	31.146
9.400	177.842	74.101	0.377	1.123	1231.077	32.382
9.600	181.348	75.902	0.384	1.116	1231.084	33.643
9.800	184.858	77.703	0.391	1.109	1231.091	34.930
10.000	188.374	79.504	0.398	1.102	1231.098	36.228
10.200	191.895	81.266	0.405	1.095	1231.105	37.537
10.400	195.424	83.029	0.412	1.088	1231.112	38.872
10.600	198.958	84.791	0.418	1.082	1231.118	40.232
10.800	202.497	86.554	0.425	1.075	1231.125	41.617
11.000	206.042	88.316	0.432	1.068	1231.132	43.028
11.200	209.591	90.079	0.439	1.061	1231.139	44.463
11.400	213.112	91.841	0.446	1.054	1231.146	45.925
11.600	216.614	93.584	0.452	1.048	1231.152	47.378
11.800	220.118	95.309	0.459	1.041	1231.159	48.853
12.000	223.627	97.229	0.466	1.034	1231.166	50.349
12.200	227.140	99.202	0.473	1.027	1231.173	51.866
12.400	230.658	101.174	0.479	1.021	1231.179	53.404
12.600	234.181	103.147	0.486	1.014	1231.186	54.963
12.800	237.705	105.120	0.493	1.007	1231.193	56.543
13.000	241.234	107.092	0.499	1.001	1231.199	58.143
13.200	244.768	109.065	0.506	0.994	1231.206	59.759

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	248.304	111.038	0.513	0.987	1231.213	61.381
13.600	251.844	113.032	0.520	0.980	1231.220	63.046
13.800	255.353	115.049	0.526	0.974	1231.226	64.717
14.000	258.856	117.066	0.533	0.967	1231.233	66.396
14.200	262.361	119.104	0.540	0.960	1231.240	68.117
14.400	265.870	121.164	0.547	0.953	1231.247	69.846
14.600	269.381	123.225	0.554	0.946	1231.254	71.582
14.800	272.894	125.285	0.561	0.939	1231.261	73.344
15.000	276.411	127.389	0.568	0.932	1231.268	75.131
15.200	273.664	129.472	0.575	0.925	1231.275	76.888
15.400	270.909	131.510	0.582	0.918	1231.282	78.596
15.600	268.147	133.461	0.589	0.911	1231.289	80.235
15.800	265.373	135.324	0.595	0.905	1231.295	81.823
16.000	262.570	137.143	0.601	0.899	1231.301	83.360
16.200	259.756	138.875	0.607	0.893	1231.307	84.826
16.400	256.934	140.541	0.612	0.888	1231.312	86.258
16.600	254.104	142.320	0.618	0.882	1231.318	87.618
16.800	251.269	144.004	0.623	0.877	1231.323	88.925
17.000	248.429	145.640	0.627	0.873	1231.327	90.177
17.200	245.580	147.202	0.632	0.868	1231.332	91.394
17.400	256.869	148.740	0.637	0.863	1231.337	92.672
17.600	271.192	150.448	0.643	0.857	1231.343	94.110
17.800	283.963	152.328	0.649	0.851	1231.349	95.668
18.000	295.442	154.354	0.655	0.845	1231.355	97.350
18.200	305.498	156.526	0.662	0.838	1231.362	99.136
18.400	314.390	158.796	0.669	0.831	1231.369	101.007
18.600	322.119	161.140	0.676	0.824	1231.376	102.925
18.800	328.813	163.556	0.683	0.817	1231.383	104.911
19.000	335.661	166.021	0.691	0.809	1231.391	106.944
19.200	348.921	168.560	0.699	0.801	1231.399	109.086
19.400	359.402	171.220	0.707	0.793	1231.407	111.318
19.600	367.382	173.979	0.716	0.784	1231.416	113.641
19.800	373.140	176.810	0.724	0.776	1231.424	115.995
20.000	377.231	179.642	0.733	0.767	1231.433	118.359
20.200	379.377	182.473	0.742	0.758	1231.442	120.735
20.400	380.412	185.304	0.750	0.750	1231.450	123.100
20.600	379.780	188.087	0.759	0.741	1231.459	125.435
20.800	378.592	190.819	0.767	0.733	1231.467	127.718
21.000	376.293	193.728	0.775	0.725	1231.475	129.948
21.200	373.160	196.529	0.782	0.718	1231.482	132.103
21.400	369.194	199.224	0.790	0.710	1231.490	134.183
21.600	364.672	201.812	0.797	0.703	1231.497	136.186
21.800	359.873	204.267	0.804	0.696	1231.504	138.069
22.000	354.517	206.588	0.810	0.690	1231.510	139.874
22.200	348.606	208.803	0.816	0.684	1231.516	141.599
22.400	342.418	210.884	0.821	0.679	1231.521	143.201
22.600	335.951	212.831	0.827	0.673	1231.527	144.722
22.800	329.207	214.646	0.832	0.668	1231.532	146.118
23.000	322.185	216.327	0.836	0.664	1231.536	147.431
23.200	315.162	217.874	0.840	0.660	1231.540	148.617
23.400	307.862	219.288	0.844	0.656	1231.544	149.720
23.600	300.285	220.596	0.847	0.653	1231.547	150.716
23.800	292.707	221.743	0.851	0.650	1231.551	151.605
24.000	285.129	222.784	0.853	0.647	1231.553	152.387
24.200	277.551	223.664	0.855	0.645	1231.555	153.061
24.400	269.973	224.438	0.858	0.643	1231.558	153.649
24.600	261.840	225.105	0.859	0.641	1231.559	154.129
24.800	253.706	225.612	0.860	0.640	1231.560	154.499
25.000	245.573	226.012	0.861	0.639	1231.561	154.783
25.200	237.439	226.279	0.862	0.638	1231.562	154.936
25.400	231.385	226.412	0.862	0.638	1231.562	155.023
25.600	225.796	226.492	0.862	0.638	1231.562	155.045
25.800	220.077	226.466	0.862	0.638	1231.562	154.979
26.000	214.100	226.359	0.862	0.638	1231.562	154.870
26.200	207.993	226.172	0.861	0.639	1231.561	154.674
26.400	201.757	225.879	0.860	0.640	1231.560	154.412
26.600	195.263	225.532	0.859	0.641	1231.559	154.085
26.800	188.768	225.078	0.858	0.642	1231.558	153.671
27.000	182.145	224.518	0.856	0.644	1231.556	153.192
27.200	175.392	223.904	0.854	0.646	1231.554	152.648
27.400	168.509	223.184	0.852	0.648	1231.552	152.018
27.600	161.498	222.357	0.849	0.651	1231.549	151.301
27.800	154.486	221.450	0.847	0.653	1231.547	150.542
28.000	147.345	220.462	0.844	0.656	1231.544	149.698
28.200	140.075	219.368	0.841	0.659	1231.541	148.769
28.400	132.805	218.168	0.837	0.663	1231.537	147.754
28.600	125.534	216.887	0.834	0.666	1231.534	146.699
28.800	118.006	215.526	0.830	0.670	1231.530	145.559
29.000	110.477	214.059	0.825	0.675	1231.525	144.336
29.200	102.948	212.485	0.821	0.679	1231.521	143.051
29.400	95.419	210.857	0.816	0.684	1231.516	141.706
29.600	87.632	209.123	0.811	0.689	1231.511	140.278
29.800	79.844	207.282	0.806	0.694	1231.506	138.769

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	72.057	205.334	0.800	0.700	1231.500	137.180
30.200	67.401	203.306	0.795	0.705	1231.495	135.553
30.400	63.005	201.225	0.789	0.711	1231.489	133.909
30.600	58.868	199.117	0.783	0.717	1231.483	132.229
30.800	54.989	196.983	0.777	0.723	1231.477	130.533
31.000	51.368	194.795	0.771	0.729	1231.471	128.821
31.200	48.006	192.607	0.765	0.735	1231.465	127.094
31.400	45.158	190.382	0.758	0.742	1231.458	125.352
31.600	45.113	188.331	0.752	0.748	1231.452	123.616
31.800	45.069	186.305	0.746	0.754	1231.446	121.926
32.000	45.024	184.304	0.740	0.760	1231.440	120.242
32.200	44.979	182.327	0.734	0.766	1231.434	118.604
32.400	44.935	180.374	0.728	0.772	1231.428	116.972
32.600	44.890	178.421	0.722	0.778	1231.422	115.365
32.800	44.846	176.517	0.716	0.784	1231.416	113.783
33.000	44.801	174.613	0.711	0.789	1231.411	112.206
33.200	44.756	172.734	0.705	0.795	1231.405	110.674
33.400	44.712	170.879	0.699	0.801	1231.399	109.146
33.600	44.667	169.048	0.694	0.806	1231.394	107.664
33.800	44.622	167.242	0.688	0.812	1231.388	106.186
34.000	44.578	165.436	0.683	0.817	1231.383	104.732
34.200	44.533	163.678	0.677	0.823	1231.377	103.302
34.400	44.488	161.921	0.672	0.828	1231.372	101.876
34.600	44.444	160.188	0.667	0.833	1231.367	100.494
34.800	44.399	158.479	0.662	0.838	1231.362	99.116
35.000	44.355	156.770	0.657	0.844	1231.357	97.762
35.200	44.310	155.111	0.651	0.849	1231.351	96.430
35.400	44.265	153.451	0.646	0.854	1231.346	95.103
35.600	44.221	151.815	0.641	0.859	1231.341	93.818
35.800	44.176	150.204	0.637	0.863	1231.337	92.536
36.000	44.131	148.593	0.632	0.868	1231.332	91.278
36.200	44.087	147.031	0.627	0.873	1231.327	90.042
36.400	44.042	145.469	0.622	0.878	1231.322	88.809
36.600	43.998	143.931	0.618	0.882	1231.318	87.618
36.800	43.953	142.418	0.613	0.887	1231.313	86.430
37.000	43.908	140.905	0.608	0.892	1231.308	85.265
37.200	43.864	139.555	0.604	0.896	1231.304	84.121
37.400	43.819	138.239	0.600	0.901	1231.300	82.980
37.600	43.774	136.924	0.595	0.905	1231.295	81.861
37.800	43.730	135.653	0.591	0.909	1231.291	80.764
38.000	43.685	134.382	0.586	0.914	1231.286	79.669
38.200	43.641	133.110	0.582	0.918	1231.282	78.577
38.400	43.596	131.861	0.578	0.922	1231.278	77.526
38.600	43.551	130.633	0.574	0.926	1231.274	76.476
38.800	43.507	129.406	0.570	0.930	1231.270	75.430
39.000	43.462	128.200	0.566	0.934	1231.266	74.423
39.200	43.417	127.017	0.562	0.938	1231.262	73.418
39.400	43.373	125.833	0.558	0.942	1231.258	72.416
39.600	43.328	124.650	0.554	0.946	1231.254	71.434
39.800	43.283	123.510	0.550	0.950	1231.250	70.473
40.000	43.239	122.370	0.546	0.954	1231.246	69.515
40.200	43.194	121.230	0.542	0.958	1231.242	68.577
40.400	43.150	120.134	0.538	0.962	1231.238	67.659
40.600	43.105	119.038	0.535	0.965	1231.235	66.743
40.800	43.060	117.942	0.531	0.969	1231.231	65.829
41.000	43.015	116.868	0.527	0.973	1231.227	64.954
41.200	42.967	115.816	0.524	0.976	1231.224	64.081
41.400	42.919	114.764	0.520	0.980	1231.220	63.209
41.600	42.871	113.712	0.517	0.983	1231.217	62.357
41.800	42.823	112.704	0.513	0.987	1231.213	61.525
42.000	42.775	111.695	0.510	0.990	1231.210	60.695
42.200	42.727	110.687	0.506	0.994	1231.206	59.867
42.400	42.679	109.679	0.503	0.997	1231.203	59.058
42.600	42.631	108.714	0.500	1.000	1231.200	58.268
42.800	42.583	107.750	0.497	1.003	1231.197	57.483
43.000	42.535	106.786	0.493	1.007	1231.193	56.702
43.200	42.491	105.821	0.490	1.010	1231.190	55.926
43.400	42.447	104.879	0.487	1.013	1231.187	55.190
43.600	42.403	103.958	0.484	1.016	1231.184	54.458
43.800	42.358	103.037	0.481	1.019	1231.181	53.731
44.000	42.314	102.117	0.478	1.022	1231.178	53.009
44.200	42.270	101.196	0.474	1.026	1231.174	52.291
44.400	42.226	100.276	0.471	1.029	1231.171	51.578
44.600	42.182	99.377	0.468	1.032	1231.168	50.903
44.800	42.138	98.500	0.465	1.035	1231.165	50.232
45.000	42.094	97.623	0.462	1.038	1231.162	49.565
45.200	42.050	96.747	0.459	1.041	1231.159	48.903
45.400	42.006	95.870	0.456	1.044	1231.156	48.244
45.600	41.962	95.079	0.454	1.047	1231.154	47.606
45.800	41.918	94.351	0.451	1.049	1231.151	46.988
46.000	41.874	93.623	0.448	1.052	1231.148	46.374
46.200	41.830	92.895	0.445	1.055	1231.145	45.764
46.400	41.786	92.167	0.442	1.058	1231.142	45.159

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
46.600	41.742	91.439	0.439	1.061	1231.139	44.558
46.800	41.698	90.711	0.437	1.063	1231.137	43.961
47.000	41.654	89.983	0.434	1.066	1231.134	43.369
47.200	41.610	89.255	0.431	1.069	1231.131	42.796
47.400	41.566	88.565	0.428	1.072	1231.128	42.243
47.600	41.521	87.875	0.426	1.074	1231.126	41.693
47.800	41.477	87.186	0.423	1.077	1231.123	41.148
48.000	41.433	86.496	0.420	1.080	1231.120	40.606
48.200	41.389	85.806	0.418	1.082	1231.118	40.068
48.400	41.345	85.117	0.415	1.085	1231.115	39.534
48.600	41.301	84.427	0.412	1.088	1231.112	39.004
48.800	41.257	83.737	0.410	1.090	1231.110	38.492
49.000	41.213	83.086	0.407	1.093	1231.107	37.999
49.200	41.169	82.435	0.405	1.095	1231.105	37.509
49.400	41.125	81.783	0.402	1.098	1231.102	37.022
49.600	41.081	81.132	0.399	1.101	1231.099	36.539
49.800	41.037	80.481	0.397	1.103	1231.097	36.059
50.000	40.993	79.829	0.394	1.106	1231.094	35.583
50.200	40.949	79.178	0.392	1.108	1231.092	35.124
50.400	40.905	78.565	0.390	1.110	1231.090	34.681
50.600	40.861	77.952	0.387	1.113	1231.087	34.242
50.800	40.817	77.339	0.385	1.115	1231.085	33.806
51.000	40.773	76.726	0.382	1.118	1231.082	33.372
51.200	40.729	76.113	0.380	1.120	1231.080	32.942
51.400	40.684	75.500	0.378	1.122	1231.078	32.515
51.600	40.640	74.887	0.375	1.125	1231.075	32.104
51.800	40.596	74.312	0.373	1.127	1231.073	31.708
52.000	40.552	73.737	0.371	1.129	1231.071	31.316
52.200	40.508	73.162	0.369	1.131	1231.069	30.926
52.400	40.464	72.588	0.366	1.134	1231.066	30.538
52.600	40.420	72.013	0.364	1.136	1231.064	30.154
52.800	40.376	71.438	0.362	1.138	1231.062	29.772
53.000	40.332	70.863	0.360	1.140	1231.060	29.405
53.200	40.288	70.327	0.358	1.142	1231.058	29.053
53.400	40.244	69.791	0.356	1.144	1231.056	28.703
53.600	40.200	69.254	0.354	1.146	1231.054	28.356
53.800	40.156	68.718	0.351	1.149	1231.051	28.011
54.000	40.112	68.181	0.349	1.151	1231.049	27.668
54.200	40.068	67.645	0.347	1.153	1231.047	27.327
54.400	40.024	67.109	0.345	1.155	1231.045	27.001
54.600	39.980	66.610	0.343	1.157	1231.043	26.689
54.800	39.936	66.112	0.341	1.159	1231.041	26.378
55.000	39.892	65.614	0.340	1.161	1231.040	26.070
55.200	39.847	65.116	0.338	1.162	1231.038	25.763
55.400	39.803	64.618	0.336	1.164	1231.036	25.459
55.600	39.759	64.120	0.334	1.166	1231.034	25.156
55.800	39.715	63.641	0.332	1.168	1231.032	24.879
56.000	39.671	63.181	0.330	1.170	1231.030	24.602
56.200	39.627	62.721	0.328	1.172	1231.028	24.328
56.400	39.583	62.262	0.327	1.173	1231.027	24.055
56.600	39.539	61.802	0.325	1.175	1231.025	23.784
56.800	39.495	61.342	0.323	1.177	1231.023	23.514
57.000	39.451	60.882	0.321	1.179	1231.021	23.247
57.200	39.407	60.442	0.320	1.180	1231.020	23.002
57.400	39.363	60.020	0.318	1.182	1231.018	22.760
57.600	39.319	59.599	0.316	1.184	1231.016	22.518
57.800	39.275	59.177	0.315	1.185	1231.015	22.278
58.000	39.231	58.756	0.313	1.187	1231.013	22.040
58.200	39.187	58.334	0.311	1.189	1231.011	21.802
58.400	39.143	57.913	0.310	1.190	1231.010	21.566
58.600	39.099	57.511	0.308	1.192	1231.008	21.353
58.800	39.055	57.127	0.307	1.193	1231.007	21.141
59.000	39.010	56.744	0.305	1.195	1231.005	20.930
59.200	38.966	56.373	0.304	1.196	1231.004	20.720
59.400	38.922	56.049	0.302	1.198	1231.002	20.511
59.600	38.873	55.725	0.301	1.199	1231.001	20.304
59.800	38.824	55.401	0.299	1.201	1230.999	20.097
60.000	38.775	55.078	0.298	1.202	1230.998	19.892
60.200	38.726	54.770	0.296	1.204	1230.996	19.708
60.400	38.676	54.478	0.295	1.205	1230.995	19.525
60.600	38.627	54.187	0.294	1.206	1230.994	19.343
60.800	38.578	53.895	0.292	1.208	1230.992	19.161
61.000	38.528	53.604	0.291	1.209	1230.991	18.981
61.200	38.479	53.312	0.290	1.210	1230.990	18.802
61.400	38.430	53.021	0.288	1.212	1230.988	18.623
61.600	38.381	52.729	0.287	1.213	1230.987	18.446
61.800	38.331	52.438	0.286	1.214	1230.986	18.269
62.000	38.282	52.146	0.284	1.216	1230.984	18.093
62.200	38.233	51.871	0.283	1.217	1230.983	17.937
62.400	38.183	51.612	0.282	1.218	1230.982	17.782
62.600	38.134	51.353	0.281	1.219	1230.981	17.628
62.800	38.085	51.094	0.280	1.220	1230.980	17.475
63.000	38.036	50.835	0.278	1.222	1230.978	17.322

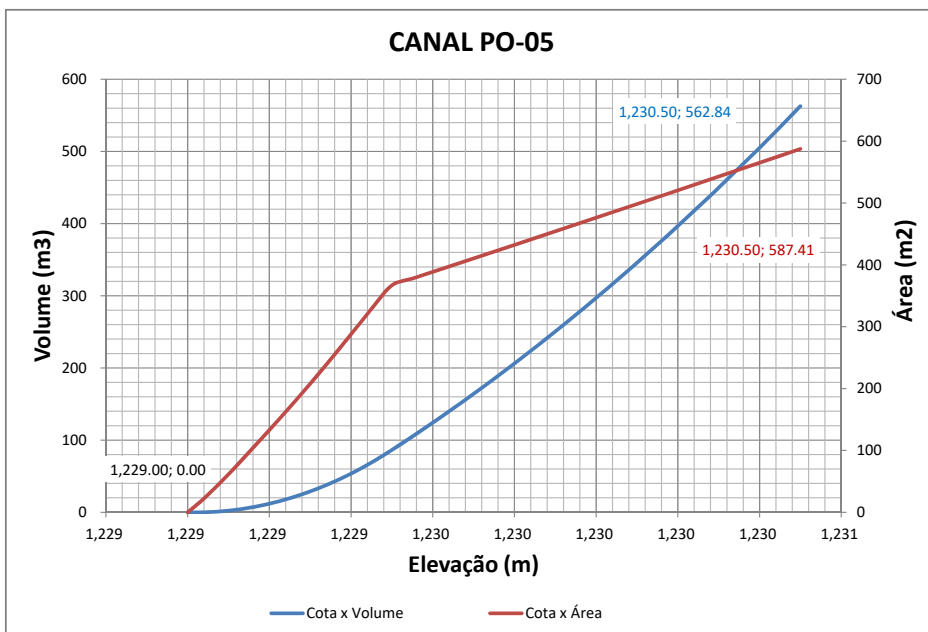
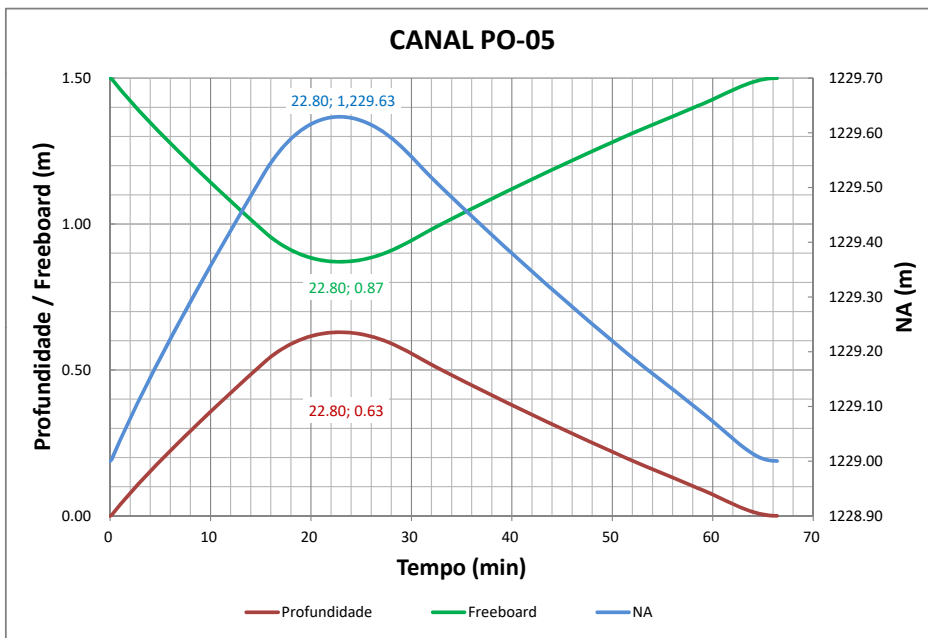
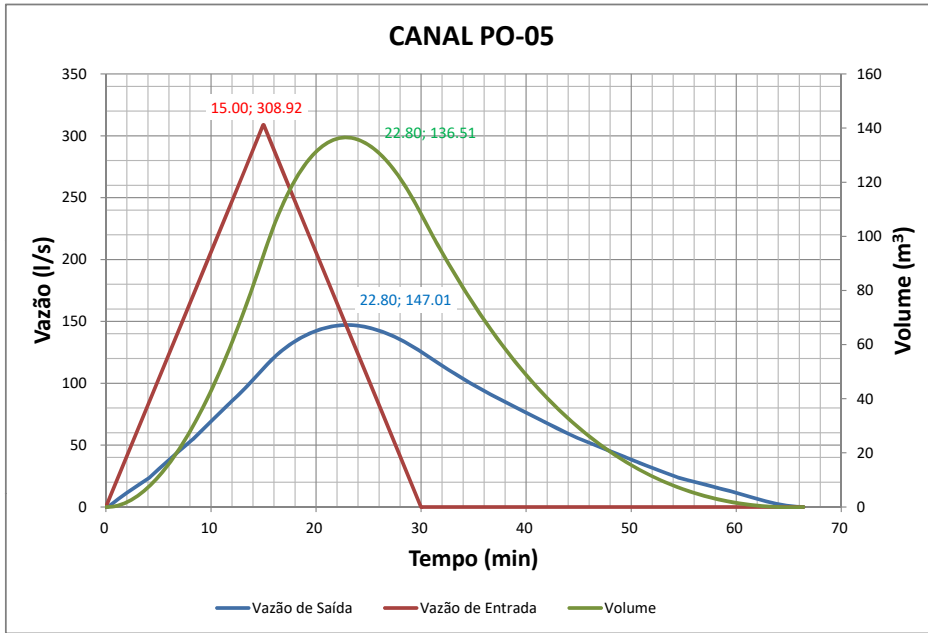
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
63.200	37.986	50.576	0.277	1.223	1230.977	17.170
63.400	37.937	50.316	0.276	1.224	1230.976	17.019
63.600	37.888	50.057	0.275	1.225	1230.975	16.868
63.800	37.839	49.798	0.274	1.226	1230.974	16.718
64.000	37.789	49.539	0.273	1.227	1230.973	16.569
64.200	37.740	49.280	0.271	1.229	1230.971	16.430
64.400	37.691	49.053	0.270	1.230	1230.970	16.300
64.600	37.641	48.827	0.269	1.231	1230.969	16.171
64.800	37.592	48.600	0.268	1.232	1230.968	16.043
65.000	37.543	48.373	0.267	1.233	1230.967	15.915
65.200	37.494	48.146	0.266	1.234	1230.966	15.788
65.400	37.444	47.920	0.265	1.235	1230.965	15.661
65.600	37.395	47.693	0.264	1.236	1230.964	15.535
65.800	37.346	47.466	0.263	1.237	1230.963	15.409
66.000	37.296	47.240	0.262	1.238	1230.962	15.284
66.200	37.247	47.013	0.261	1.239	1230.961	15.160
66.400	37.198	46.786	0.260	1.240	1230.960	15.045
66.600	37.149	46.592	0.259	1.241	1230.959	14.939
66.800	37.099	46.397	0.258	1.242	1230.958	14.833
67.000	37.050	46.203	0.257	1.243	1230.957	14.728
67.200	37.001	46.009	0.256	1.244	1230.956	14.623
67.400	36.952	45.814	0.256	1.244	1230.956	14.519
67.600	36.902	45.620	0.255	1.245	1230.955	14.415
67.800	36.853	45.426	0.254	1.246	1230.954	14.312
68.000	36.804	45.231	0.253	1.247	1230.953	14.208
68.200	36.754	45.037	0.252	1.248	1230.952	14.106
68.400	36.705	44.843	0.251	1.249	1230.951	14.003
68.600	36.656	44.648	0.250	1.250	1230.950	13.901
68.800	36.607	44.454	0.249	1.251	1230.949	13.800
69.000	36.557	44.260	0.248	1.252	1230.948	13.707
69.200	36.508	44.098	0.248	1.252	1230.948	13.623
69.400	36.459	43.936	0.247	1.253	1230.947	13.539
69.600	36.409	43.774	0.246	1.254	1230.946	13.456
69.800	36.360	43.612	0.246	1.254	1230.946	13.373
70.000	36.311	43.450	0.245	1.255	1230.945	13.290
70.200	36.262	43.288	0.244	1.256	1230.944	13.207
70.400	36.212	43.126	0.243	1.257	1230.943	13.125
70.600	36.163	42.964	0.243	1.257	1230.943	13.042
70.800	36.114	42.802	0.242	1.258	1230.942	12.961
71.000	36.065	42.640	0.241	1.259	1230.941	12.879
71.200	36.015	42.478	0.240	1.260	1230.940	12.798
71.400	35.966	42.317	0.240	1.260	1230.940	12.716
71.600	35.917	42.155	0.239	1.261	1230.939	12.636
71.800	35.867	41.993	0.238	1.262	1230.938	12.555
72.000	35.818	41.831	0.237	1.263	1230.937	12.483
72.200	35.769	41.701	0.237	1.263	1230.937	12.419
72.400	35.720	41.572	0.236	1.264	1230.936	12.355
72.600	35.670	41.442	0.236	1.264	1230.936	12.291
72.800	35.621	41.313	0.235	1.265	1230.935	12.228
73.000	35.572	41.183	0.234	1.266	1230.934	12.164
73.200	35.522	41.053	0.234	1.266	1230.934	12.101
73.400	35.473	40.924	0.233	1.267	1230.933	12.038
73.600	35.424	40.794	0.233	1.267	1230.933	11.975
73.800	35.375	40.665	0.232	1.268	1230.932	11.913
74.000	35.325	40.535	0.231	1.269	1230.931	11.850
74.200	35.276	40.406	0.231	1.269	1230.931	11.788
74.400	35.227	40.276	0.230	1.270	1230.930	11.726
74.600	35.178	40.147	0.230	1.270	1230.930	11.664
74.800	35.128	40.017	0.229	1.271	1230.929	11.602
75.000	35.079	39.887	0.228	1.272	1230.928	11.540
75.200	35.030	39.758	0.228	1.272	1230.928	11.479
75.400	34.980	39.628	0.227	1.273	1230.927	11.417
75.600	34.931	39.499	0.227	1.273	1230.927	11.356
75.800	34.882	39.369	0.226	1.274	1230.926	11.295
76.000	34.833	39.240	0.226	1.274	1230.926	11.242
76.200	34.783	39.142	0.225	1.275	1230.925	11.196
76.400	34.734	39.045	0.225	1.275	1230.925	11.151
76.600	34.685	38.948	0.224	1.276	1230.924	11.106
76.800	34.635	38.851	0.224	1.276	1230.924	11.060
77.000	34.586	38.754	0.223	1.277	1230.923	11.015
77.200	34.537	38.657	0.223	1.277	1230.923	10.970
77.400	34.488	38.560	0.222	1.278	1230.922	10.925
77.600	34.438	38.462	0.222	1.278	1230.922	10.881
77.800	34.389	38.365	0.222	1.278	1230.922	10.836
78.000	34.340	38.268	0.221	1.279	1230.921	10.791
78.200	34.284	38.171	0.221	1.279	1230.921	10.747
78.400	34.227	38.074	0.220	1.280	1230.920	10.702
78.600	34.170	37.977	0.220	1.280	1230.920	10.658
78.800	34.113	37.879	0.219	1.281	1230.919	10.614
79.000	34.056	37.782	0.219	1.281	1230.919	10.569

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
79.200	33.999	37.685	0.218	1.282	1230.918	10.525
79.400	33.942	37.588	0.218	1.282	1230.918	10.481
79.600	33.885	37.491	0.218	1.282	1230.918	10.438
79.800	33.828	37.394	0.217	1.283	1230.917	10.394
80.000	33.771	37.296	0.217	1.283	1230.917	10.350
80.200	33.714	37.199	0.216	1.284	1230.916	10.307
80.400	33.657	37.102	0.216	1.284	1230.916	10.263
80.600	33.600	37.005	0.215	1.285	1230.915	10.220
80.800	33.543	36.908	0.215	1.285	1230.915	10.176
81.000	33.486	36.811	0.214	1.286	1230.914	10.133
81.200	33.429	36.713	0.214	1.286	1230.914	10.090
81.400	33.372	36.616	0.214	1.286	1230.914	10.047
81.600	33.315	36.519	0.213	1.287	1230.913	10.004
81.800	33.258	36.422	0.213	1.287	1230.913	9.961
82.000	33.201	36.325	0.212	1.288	1230.912	9.919
82.200	33.145	36.228	0.212	1.288	1230.912	9.876
82.400	33.088	36.130	0.211	1.289	1230.911	9.834
82.600	33.031	36.033	0.211	1.289	1230.911	9.791
82.800	32.974	35.936	0.210	1.290	1230.910	9.749
83.000	32.917	35.839	0.210	1.290	1230.910	9.714
83.200	32.860	35.774	0.210	1.290	1230.910	9.686
83.400	32.803	35.709	0.209	1.291	1230.909	9.658
83.600	32.746	35.645	0.209	1.291	1230.909	9.629
83.800	32.689	35.580	0.209	1.291	1230.909	9.602
84.000	32.632	35.515	0.209	1.291	1230.909	9.574
84.200	32.575	35.450	0.208	1.292	1230.908	9.546
84.400	32.518	35.385	0.208	1.292	1230.908	9.518
84.600	32.461	35.321	0.208	1.292	1230.908	9.490
84.800	32.404	35.256	0.207	1.293	1230.907	9.462
85.000	32.347	35.191	0.207	1.293	1230.907	9.435
85.200	32.290	35.126	0.207	1.293	1230.907	9.407
85.400	32.236	35.062	0.206	1.294	1230.906	9.379
85.600	32.184	34.997	0.206	1.294	1230.906	9.352
85.800	32.132	34.932	0.206	1.294	1230.906	9.324
86.000	32.080	34.867	0.206	1.294	1230.906	9.297
86.200	32.028	34.802	0.205	1.295	1230.905	9.269
86.400	31.977	34.738	0.205	1.295	1230.905	9.242
86.600	31.925	34.673	0.205	1.295	1230.905	9.214
86.800	31.873	34.608	0.204	1.296	1230.904	9.187
87.000	31.821	34.543	0.204	1.296	1230.904	9.160
87.200	31.770	34.479	0.204	1.296	1230.904	9.132
87.400	31.718	34.414	0.203	1.297	1230.903	9.105
87.600	31.666	34.349	0.203	1.297	1230.903	9.078
87.800	31.614	34.284	0.203	1.297	1230.903	9.051
88.000	31.562	34.219	0.203	1.297	1230.903	9.024
88.200	31.511	34.155	0.202	1.298	1230.902	8.997
88.400	31.459	34.090	0.202	1.298	1230.902	8.970
88.600	31.407	34.025	0.202	1.298	1230.902	8.943
88.800	31.355	33.960	0.201	1.299	1230.901	8.916
89.000	31.303	33.896	0.201	1.299	1230.901	8.889
89.200	31.252	33.831	0.201	1.299	1230.901	8.862
89.400	31.200	33.766	0.201	1.300	1230.901	8.835
89.600	31.148	33.701	0.200	1.300	1230.900	8.809
89.800	31.096	33.636	0.200	1.300	1230.900	8.782
90.000	31.044	33.572	0.200	1.300	1230.900	8.755
90.200	30.993	33.507	0.199	1.301	1230.899	8.729
90.400	30.941	33.442	0.199	1.301	1230.899	8.702
90.600	30.889	33.377	0.199	1.301	1230.899	8.676
90.800	30.837	33.313	0.198	1.302	1230.898	8.649
91.000	30.785	33.248	0.198	1.302	1230.898	8.623
91.200	30.734	33.183	0.198	1.302	1230.898	8.596
91.400	30.682	33.118	0.198	1.302	1230.898	8.570
91.600	30.630	33.053	0.197	1.303	1230.897	8.544
91.800	30.578	32.989	0.197	1.303	1230.897	8.517
92.000	30.527	32.924	0.197	1.303	1230.897	8.491
92.200	30.475	32.859	0.196	1.304	1230.896	8.465
92.400	30.423	32.794	0.196	1.304	1230.896	8.439
92.600	30.371	32.730	0.196	1.304	1230.896	8.413
92.800	30.319	32.665	0.195	1.305	1230.895	8.387
93.000	30.268	32.600	0.195	1.305	1230.895	8.361
93.200	30.216	32.535	0.195	1.305	1230.895	8.335
93.400	30.164	32.471	0.195	1.305	1230.895	8.309
93.600	30.112	32.406	0.194	1.306	1230.894	8.283
93.800	30.060	32.341	0.194	1.306	1230.894	8.257
94.000	30.009	32.276	0.194	1.306	1230.894	8.231
94.200	29.957	32.211	0.193	1.307	1230.893	8.205
94.400	29.905	32.147	0.193	1.307	1230.893	8.180
94.600	29.853	32.082	0.193	1.307	1230.893	8.154
94.800	29.801	32.017	0.192	1.308	1230.892	8.128
95.000	29.750	31.952	0.192	1.308	1230.892	8.103
95.200	29.698	31.888	0.192	1.308	1230.892	8.077

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
95.400	29.646	31.823	0.192	1.308	1230.892	8.051
95.600	29.594	31.758	0.191	1.309	1230.891	8.026
95.800	29.543	31.693	0.191	1.309	1230.891	8.001
96.000	29.491	31.628	0.191	1.309	1230.891	7.975
96.200	29.439	31.564	0.190	1.310	1230.890	7.950
96.400	29.382	31.499	0.190	1.310	1230.890	7.924
96.600	29.325	31.434	0.190	1.310	1230.890	7.899
96.800	29.268	31.369	0.189	1.311	1230.889	7.874
97.000	29.211	31.305	0.189	1.311	1230.889	7.849
97.200	29.154	31.240	0.189	1.311	1230.889	7.824
97.400	29.097	31.175	0.189	1.311	1230.889	7.798
97.600	29.040	31.110	0.188	1.312	1230.888	7.773
97.800	28.972	31.045	0.188	1.312	1230.888	7.748
98.000	28.902	30.981	0.188	1.312	1230.888	7.723
98.200	28.832	30.916	0.187	1.313	1230.887	7.698
98.400	28.762	30.851	0.187	1.313	1230.887	7.673
98.600	28.692	30.786	0.187	1.313	1230.887	7.649
98.800	28.622	30.722	0.187	1.313	1230.887	7.624
99.000	28.552	30.657	0.186	1.314	1230.886	7.599
99.200	28.482	30.592	0.186	1.314	1230.886	7.574
99.400	28.412	30.527	0.186	1.314	1230.886	7.550
99.600	28.342	30.462	0.185	1.315	1230.885	7.525
99.800	28.272	30.398	0.185	1.315	1230.885	7.500
100.000	28.202	30.333	0.185	1.315	1230.885	7.476
100.200	28.132	30.268	0.184	1.316	1230.884	7.451
100.400	28.062	30.203	0.184	1.316	1230.884	7.427
100.600	27.992	30.139	0.184	1.316	1230.884	7.402
100.800	27.922	30.074	0.184	1.316	1230.884	7.378
101.000	27.852	30.009	0.183	1.317	1230.883	7.353
101.200	27.782	29.944	0.183	1.317	1230.883	7.329
101.400	27.712	29.879	0.183	1.317	1230.883	7.305
101.600	27.642	29.815	0.182	1.318	1230.882	7.281
101.800	27.572	29.750	0.182	1.318	1230.882	7.256
102.000	27.502	29.685	0.182	1.318	1230.882	7.232
102.200	27.432	29.620	0.181	1.319	1230.881	7.208
102.400	27.362	29.556	0.181	1.319	1230.881	7.184
102.600	27.292	29.491	0.181	1.319	1230.881	7.160
102.800	27.222	29.426	0.181	1.319	1230.881	7.136
103.000	27.152	29.361	0.180	1.320	1230.880	7.112
103.200	27.081	29.296	0.180	1.320	1230.880	7.088
103.400	27.011	29.232	0.180	1.320	1230.880	7.064
103.600	26.941	29.167	0.179	1.321	1230.879	7.040
103.800	26.871	29.102	0.179	1.321	1230.879	7.017
104.000	26.801	29.037	0.179	1.321	1230.879	6.993
104.200	26.731	28.973	0.178	1.322	1230.878	6.969
104.400	26.661	28.908	0.178	1.322	1230.878	6.946
104.600	26.591	28.843	0.178	1.322	1230.878	6.922
104.800	26.521	28.778	0.178	1.322	1230.878	6.898
105.000	26.451	28.713	0.177	1.323	1230.877	6.875
105.200	26.381	28.649	0.177	1.323	1230.877	6.851
105.400	26.311	28.584	0.177	1.323	1230.877	6.828
105.600	26.241	28.519	0.176	1.324	1230.876	6.805
105.800	26.171	28.454	0.176	1.324	1230.876	6.781
106.000	26.101	28.390	0.176	1.324	1230.876	6.758
106.200	26.031	28.325	0.175	1.325	1230.875	6.735
106.400	25.961	28.260	0.175	1.325	1230.875	6.711
106.600	25.891	28.195	0.175	1.325	1230.875	6.688
106.800	25.814	28.130	0.175	1.325	1230.875	6.665
107.000	25.738	28.066	0.174	1.326	1230.874	6.642
107.200	25.662	28.001	0.174	1.326	1230.874	6.619
107.400	25.585	27.936	0.174	1.326	1230.874	6.596
107.600	25.509	27.871	0.173	1.327	1230.873	6.573
107.800	25.432	27.807	0.173	1.327	1230.873	6.550
108.000	25.356	27.742	0.173	1.327	1230.873	6.527
108.200	25.280	27.661	0.172	1.328	1230.872	6.498
108.400	25.203	27.580	0.172	1.328	1230.872	6.464
108.600	25.127	27.499	0.172	1.328	1230.872	6.436
108.800	25.050	27.418	0.171	1.329	1230.871	6.407
109.000	24.974	27.337	0.171	1.329	1230.871	6.379
109.200	24.898	27.256	0.171	1.329	1230.871	6.351
109.400	24.821	27.175	0.170	1.330	1230.870	6.322
109.600	24.745	27.094	0.170	1.330	1230.870	6.294
109.800	24.668	27.013	0.169	1.331	1230.869	6.266
110.000	24.592	26.932	0.169	1.331	1230.869	6.238
110.200	24.516	26.851	0.169	1.331	1230.869	6.210
110.400	24.439	26.770	0.168	1.332	1230.868	6.183
110.600	24.363	26.689	0.168	1.332	1230.868	6.155
110.800	24.286	26.608	0.168	1.332	1230.868	6.127
111.000	24.210	26.527	0.167	1.333	1230.867	6.099
111.200	24.134	26.446	0.167	1.333	1230.867	6.072
111.400	24.057	26.365	0.166	1.334	1230.866	6.044
111.600	23.981	26.284	0.166	1.334	1230.866	6.017
111.800	23.904	26.203	0.166	1.334	1230.866	5.989

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
112.000	23.828	26.106	0.165	1.335	1230.865	5.957
112.200	23.751	26.025	0.165	1.335	1230.865	5.929
112.400	23.675	25.944	0.164	1.336	1230.864	5.902
112.600	23.599	25.863	0.164	1.336	1230.864	5.875
112.800	23.522	25.782	0.164	1.336	1230.864	5.848
113.000	23.446	25.701	0.163	1.337	1230.863	5.821
113.200	23.366	25.620	0.163	1.337	1230.863	5.794
113.400	23.284	25.523	0.163	1.337	1230.863	5.762
113.600	23.201	25.442	0.162	1.338	1230.862	5.735
113.800	23.118	25.345	0.162	1.338	1230.862	5.703
114.000	23.035	25.264	0.161	1.339	1230.861	5.676
114.200	22.952	25.167	0.161	1.339	1230.861	5.650
114.400	22.870	25.086	0.161	1.339	1230.861	5.618
114.600	22.787	24.989	0.160	1.340	1230.860	5.592
114.800	22.704	24.908	0.160	1.340	1230.860	5.560
115.000	22.621	24.811	0.159	1.341	1230.859	5.534
115.200	22.539	24.730	0.159	1.341	1230.859	5.502
115.400	22.431	24.633	0.158	1.342	1230.858	5.471
115.600	22.312	24.535	0.158	1.342	1230.858	5.439
115.800	22.192	24.438	0.158	1.342	1230.858	5.408
116.000	22.072	24.341	0.157	1.343	1230.857	5.377
116.200	21.952	24.244	0.157	1.343	1230.857	5.346
116.400	21.832	24.147	0.156	1.344	1230.856	5.315
116.600	21.712	24.050	0.156	1.344	1230.856	5.284
116.800	21.592	23.952	0.155	1.345	1230.855	5.254
117.000	21.472	23.855	0.155	1.345	1230.855	5.223
117.200	21.352	23.758	0.154	1.346	1230.854	5.193
117.400	21.232	23.661	0.154	1.346	1230.854	5.162
117.600	21.112	23.564	0.154	1.346	1230.854	5.132
117.800	20.992	23.467	0.153	1.347	1230.853	5.102
118.000	20.873	23.369	0.153	1.347	1230.853	5.071
118.200	20.753	23.272	0.152	1.348	1230.852	5.041
118.400	20.633	23.204	0.152	1.348	1230.852	5.011
118.600	20.513	23.136	0.151	1.349	1230.851	4.981
118.800	20.393	23.068	0.151	1.349	1230.851	4.952
119.000	20.273	23.000	0.150	1.350	1230.850	4.922
119.200	20.153	22.931	0.150	1.350	1230.850	4.892
119.400	20.033	22.863	0.150	1.350	1230.850	4.863
119.600	19.913	22.795	0.149	1.351	1230.849	4.829
119.800	19.789	22.704	0.148	1.352	1230.848	4.790
120.000	19.659	22.613	0.148	1.352	1230.848	4.751
120.200	19.530	22.522	0.147	1.353	1230.847	4.712
120.400	19.401	22.431	0.147	1.353	1230.847	4.673
120.600	19.272	22.340	0.146	1.354	1230.846	4.635
120.800	19.143	22.250	0.145	1.355	1230.845	4.597
121.000	19.014	22.159	0.145	1.355	1230.845	4.559
121.200	18.885	22.068	0.144	1.356	1230.844	4.521
121.400	18.755	21.977	0.144	1.356	1230.844	4.483
121.600	18.626	21.886	0.143	1.357	1230.843	4.445
121.800	18.497	21.795	0.142	1.358	1230.842	4.408
122.000	18.368	21.704	0.142	1.358	1230.842	4.371
122.200	18.239	21.613	0.141	1.359	1230.841	4.333
122.400	18.110	21.522	0.141	1.359	1230.841	4.296
122.600	17.981	21.431	0.140	1.360	1230.840	4.255
122.800	17.851	21.318	0.139	1.361	1230.839	4.209
123.000	17.722	21.204	0.139	1.361	1230.839	4.164
123.200	17.593	21.090	0.138	1.362	1230.838	4.119
123.400	17.464	20.977	0.137	1.363	1230.837	4.074
123.600	17.335	20.863	0.136	1.364	1230.836	4.029
123.800	17.206	20.750	0.136	1.364	1230.836	3.984
124.000	17.077	20.636	0.135	1.365	1230.835	3.940
124.200	16.947	20.522	0.134	1.366	1230.834	3.896
124.400	16.818	20.409	0.133	1.367	1230.833	3.852
124.600	16.689	20.295	0.133	1.367	1230.833	3.809
124.800	16.560	20.181	0.132	1.368	1230.832	3.766
125.000	16.431	20.068	0.131	1.369	1230.831	3.723
125.200	16.297	19.954	0.130	1.370	1230.830	3.680
125.400	16.159	19.841	0.130	1.370	1230.830	3.638
125.600	16.020	19.727	0.129	1.371	1230.829	3.595
125.800	15.882	19.613	0.128	1.372	1230.828	3.553
126.000	15.744	19.500	0.127	1.373	1230.827	3.512
126.200	15.605	19.386	0.127	1.373	1230.827	3.470
126.400	15.467	19.261	0.126	1.374	1230.826	3.421
126.600	15.328	19.125	0.125	1.375	1230.825	3.372
126.800	15.190	18.988	0.124	1.376	1230.824	3.323
127.000	15.052	18.852	0.123	1.377	1230.823	3.275
127.200	14.913	18.716	0.122	1.378	1230.822	3.227
127.400	14.775	18.579	0.121	1.379	1230.821	3.179
127.600	14.637	18.443	0.120	1.380	1230.820	3.132
127.800	14.498	18.306	0.119	1.381	1230.819	3.085
128.000	14.360	18.170	0.119	1.381	1230.819	3.039
128.200	14.221	18.034	0.118	1.382	1230.818	2.992
128.400	14.083	17.897	0.117	1.383	1230.817	2.947

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
128.600	13.940	17.761	0.116	1.384	1230.816	2.901
128.800	13.793	17.625	0.115	1.385	1230.815	2.856
129.000	13.645	17.488	0.114	1.386	1230.814	2.811
129.200	13.497	17.352	0.113	1.387	1230.813	2.767
129.400	13.350	17.216	0.112	1.388	1230.812	2.723
129.600	13.202	17.079	0.111	1.389	1230.811	2.679
129.800	13.051	16.943	0.111	1.389	1230.811	2.636
130.000	12.847	16.795	0.109	1.391	1230.809	2.586
130.200	12.643	16.636	0.108	1.392	1230.808	2.537
130.400	12.439	16.477	0.107	1.393	1230.807	2.488
130.600	12.235	16.318	0.106	1.394	1230.806	2.439
130.800	12.030	16.159	0.105	1.395	1230.805	2.391
131.000	11.826	16.000	0.104	1.396	1230.804	2.344
131.200	11.622	15.841	0.103	1.397	1230.803	2.293
131.400	11.418	15.659	0.102	1.398	1230.802	2.240
131.600	11.214	15.477	0.101	1.399	1230.801	2.188
131.800	11.010	15.295	0.100	1.400	1230.800	2.136
132.000	10.806	15.113	0.098	1.402	1230.798	2.085
132.200	10.602	14.932	0.097	1.403	1230.797	2.034
132.400	10.397	14.750	0.096	1.404	1230.796	1.984
132.600	10.193	14.568	0.095	1.405	1230.795	1.932
132.800	9.989	14.363	0.093	1.407	1230.793	1.877
133.000	9.785	14.159	0.092	1.408	1230.792	1.823
133.200	9.581	13.954	0.091	1.409	1230.791	1.770
133.400	9.377	13.750	0.089	1.411	1230.789	1.718
133.600	9.160	13.545	0.088	1.412	1230.788	1.666
133.800	8.943	13.341	0.087	1.413	1230.787	1.616
134.000	8.726	13.136	0.085	1.415	1230.785	1.563
134.200	8.509	12.909	0.084	1.416	1230.784	1.509
134.400	8.292	12.682	0.082	1.418	1230.782	1.455
134.600	8.076	12.454	0.081	1.419	1230.781	1.403
134.800	7.859	12.227	0.079	1.421	1230.779	1.351
135.000	7.642	12.000	0.078	1.422	1230.778	1.300
135.200	7.425	11.772	0.076	1.424	1230.776	1.248
135.400	7.208	11.522	0.075	1.425	1230.775	1.195
135.600	6.991	11.272	0.073	1.427	1230.773	1.143
135.800	6.774	11.023	0.071	1.429	1230.771	1.092
136.000	6.557	10.773	0.070	1.430	1230.770	1.042
136.200	6.341	10.523	0.068	1.432	1230.768	0.993
136.400	6.124	10.273	0.066	1.434	1230.766	0.944
136.600	5.907	10.000	0.065	1.435	1230.765	0.893
136.800	5.690	9.727	0.063	1.437	1230.763	0.844
137.000	5.473	9.454	0.061	1.439	1230.761	0.797
137.200	5.256	9.182	0.059	1.441	1230.759	0.751
137.400	5.039	8.909	0.057	1.443	1230.757	0.706
137.600	4.816	8.625	0.056	1.444	1230.756	0.659
137.800	4.586	8.329	0.054	1.446	1230.754	0.614
138.000	4.357	8.034	0.052	1.448	1230.752	0.570
138.200	4.127	7.738	0.050	1.450	1230.750	0.528
138.400	3.897	7.432	0.048	1.452	1230.748	0.485
138.600	3.681	7.113	0.046	1.454	1230.746	0.443
138.800	3.464	6.795	0.043	1.457	1230.743	0.404
139.000	3.247	6.477	0.041	1.459	1230.741	0.366
139.200	3.036	6.159	0.039	1.461	1230.739	0.330
139.400	2.832	5.841	0.037	1.463	1230.737	0.296
139.600	2.628	5.523	0.035	1.465	1230.735	0.264
139.800	2.437	5.204	0.033	1.467	1230.733	0.234
140.000	2.245	4.886	0.031	1.469	1230.731	0.205
140.200	2.060	4.568	0.029	1.471	1230.729	0.178
140.400	1.882	4.250	0.027	1.473	1230.727	0.154
140.600	1.710	3.932	0.025	1.475	1230.725	0.131
140.800	1.544	3.625	0.023	1.477	1230.723	0.111
141.000	1.384	3.329	0.021	1.479	1230.721	0.093
141.200	1.231	3.034	0.019	1.481	1230.719	0.077
141.400	1.091	2.739	0.017	1.483	1230.717	0.062
141.600	0.963	2.466	0.015	1.485	1230.715	0.050
141.800	0.842	2.193	0.013	1.487	1230.713	0.039
142.000	0.727	1.932	0.012	1.488	1230.712	0.030
142.200	0.625	1.682	0.010	1.490	1230.710	0.023
142.400	0.536	1.455	0.009	1.491	1230.709	0.017
142.600	0.453	1.250	0.008	1.492	1230.708	0.012
142.800	0.376	1.057	0.006	1.494	1230.706	0.009
143.000	0.313	0.886	0.005	1.495	1230.705	0.006
143.200	0.262	0.727	0.004	1.496	1230.704	0.004
143.400	0.217	0.591	0.004	1.496	1230.704	0.003
143.600	0.179	0.477	0.003	1.497	1230.703	0.002
143.800	0.147	0.386	0.002	1.498	1230.702	0.001
144.000	0.121	0.307	0.002	1.498	1230.702	0.001
144.200	0.096	0.239	0.001	1.499	1230.701	0.000
144.400	0.077	0.193	0.001	1.499	1230.701	0.000
144.600	0.064	0.148	0.001	1.499	1230.701	0.000
144.800	0.051	0.125	0.001	1.499	1230.701	0.000





ARQUITETURA + URBANISMO
 CLN nº 01.818.900 - CEP 70.743-900
 BRASÍLIA - DF - FONE: 01 3014 3700

CANAL: PO-00

DATA: 18.12.2019

IMPUT DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	308.922	COTA DE FUNDO JUSANTE (m)			
VAZÃO DE SAÍDA MAX. (l/s)	22.80	147.007	COTA VERTEDOIRO (m)			
PROFUNDIDADE MAX. (m)	22.80	0.629	COTA DO ORIFÍCIO (m)			
FREEBOARD MIN. (m)	22.80	0.871	VERTEDOIRO DE CONTROLE (cm)			
NA MAX. (m)	22.80	1,229.629	VERTEDOIRO DE DESCARGA (cm)			
VOLUME MAX (m ³)	22.80	136.51	DRENO DE FUNDO 3X Ø (mm)			
VOLUME TOTAL (m ³)		562.84	COEF. DE DESCARGA DO VERTEDOIRO			
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO			
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1229.000	0.000
0.200	4.119	0.000	0.005	1.495	1229.005	0.006
0.400	8.238	1.307	0.013	1.487	1229.013	0.045
0.600	12.357	2.568	0.021	1.479	1229.021	0.125
0.800	16.476	3.841	0.029	1.471	1229.029	0.244
1.000	20.595	5.136	0.038	1.462	1229.038	0.406
1.200	24.714	6.432	0.046	1.454	1229.046	0.608
1.400	28.833	7.727	0.055	1.445	1229.055	0.849
1.600	32.952	8.988	0.063	1.437	1229.063	1.127
1.800	37.071	10.204	0.071	1.429	1229.071	1.439
2.000	41.190	11.397	0.079	1.421	1229.079	1.787
2.200	45.309	12.568	0.086	1.414	1229.086	2.167
2.400	49.428	13.727	0.094	1.406	1229.094	2.586
2.600	53.547	14.875	0.101	1.399	1229.101	3.035
2.800	57.665	16.011	0.109	1.391	1229.109	3.522
3.000	61.784	17.147	0.116	1.384	1229.116	4.047
3.200	65.903	18.284	0.123	1.377	1229.123	4.612
3.400	70.022	19.409	0.131	1.369	1229.131	5.202
3.600	74.141	20.522	0.138	1.362	1229.138	5.829
3.800	78.260	21.636	0.145	1.355	1229.145	6.494
4.000	82.379	22.750	0.153	1.347	1229.153	7.196
4.200	86.498	24.114	0.160	1.340	1229.160	7.936
4.400	90.617	25.701	0.167	1.333	1229.167	8.706
4.600	94.736	27.256	0.174	1.326	1229.174	9.504
4.800	98.855	28.811	0.181	1.319	1229.181	10.340
5.000	102.974	30.349	0.188	1.312	1229.188	11.194
5.200	107.093	31.871	0.195	1.305	1229.195	12.083
5.400	111.212	33.394	0.202	1.298	1229.202	13.007
5.600	115.331	34.916	0.209	1.291	1229.209	13.967
5.800	119.450	36.438	0.216	1.284	1229.216	14.953
6.000	123.569	37.928	0.223	1.277	1229.223	15.963
6.200	127.688	39.418	0.230	1.270	1229.230	17.007
6.400	131.807	40.908	0.237	1.263	1229.237	18.087
6.600	135.926	42.398	0.244	1.256	1229.244	19.201
6.800	140.045	43.887	0.251	1.249	1229.251	20.350
7.000	144.164	45.377	0.257	1.243	1229.257	21.534
7.200	148.283	46.851	0.264	1.236	1229.264	22.727
7.400	152.402	48.308	0.271	1.229	1229.271	23.954
7.600	156.521	49.766	0.278	1.222	1229.278	25.216
7.800	160.639	51.223	0.284	1.216	1229.284	26.512
8.000	164.758	52.681	0.291	1.209	1229.291	27.841
8.200	168.877	54.138	0.298	1.202	1229.298	29.205
8.400	172.996	55.596	0.304	1.196	1229.304	30.604
8.600	177.115	57.166	0.311	1.189	1229.311	32.038
8.800	181.234	58.890	0.318	1.182	1229.318	33.506
9.000	185.353	60.614	0.324	1.176	1229.324	34.993
9.200	189.472	62.300	0.331	1.169	1229.331	36.498
9.400	193.591	63.986	0.337	1.163	1229.337	38.035
9.600	197.710	65.672	0.344	1.156	1229.344	39.607
9.800	201.829	67.358	0.351	1.149	1229.351	41.212
10.000	205.948	69.044	0.357	1.143	1229.357	42.851
10.200	210.067	70.729	0.364	1.136	1229.364	44.525
10.400	214.186	72.415	0.370	1.130	1229.370	46.214
10.600	218.305	74.063	0.377	1.124	1229.377	47.916
10.800	222.424	75.710	0.383	1.117	1229.383	49.652
11.000	226.543	77.358	0.389	1.111	1229.389	51.420
11.200	230.662	79.005	0.396	1.104	1229.396	53.222
11.400	234.781	80.653	0.402	1.098	1229.402	55.056
11.600	238.900	82.301	0.408	1.092	1229.408	56.925
11.800	243.019	83.948	0.415	1.085	1229.415	58.827
12.000	247.138	85.596	0.421	1.079	1229.421	60.763
12.200	251.257	87.243	0.428	1.072	1229.428	62.733
12.400	255.376	88.891	0.434	1.066	1229.434	64.737
12.600	259.495	90.538	0.440	1.060	1229.440	66.774
12.800	263.613	92.167	0.447	1.053	1229.447	68.797
13.000	267.732	93.776	0.453	1.047	1229.453	70.853
13.200	271.851	95.385	0.459	1.041	1229.459	72.938

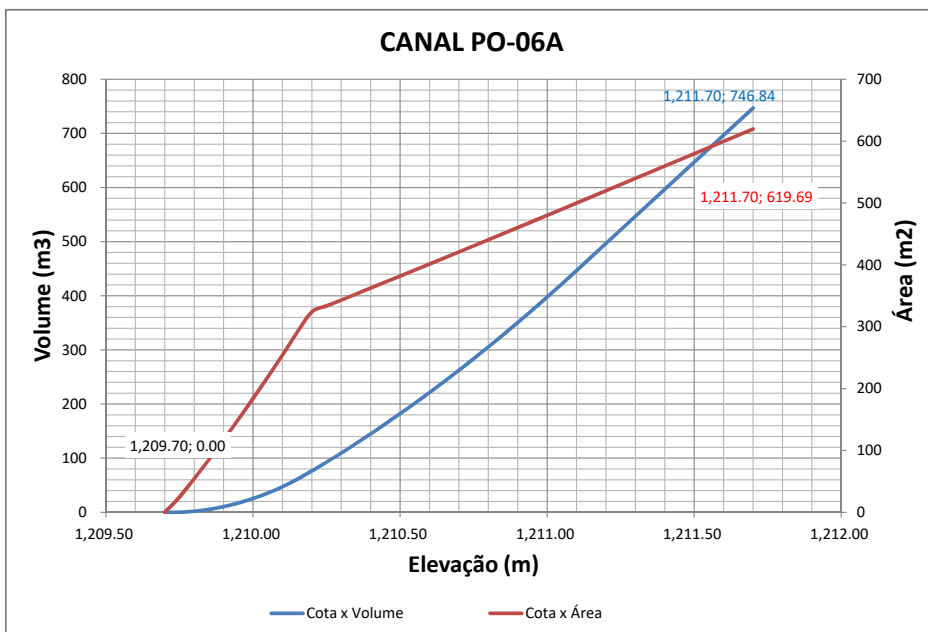
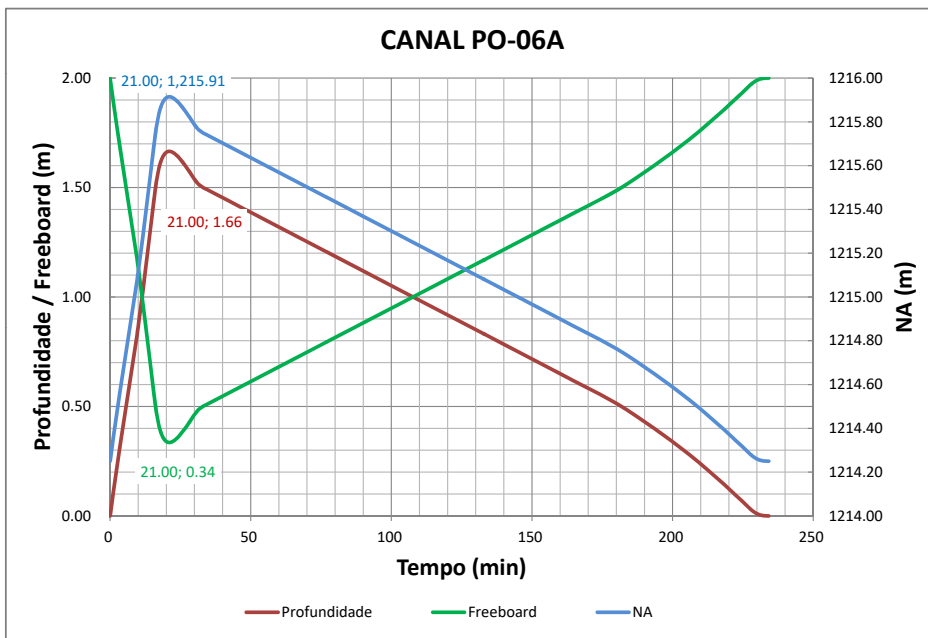
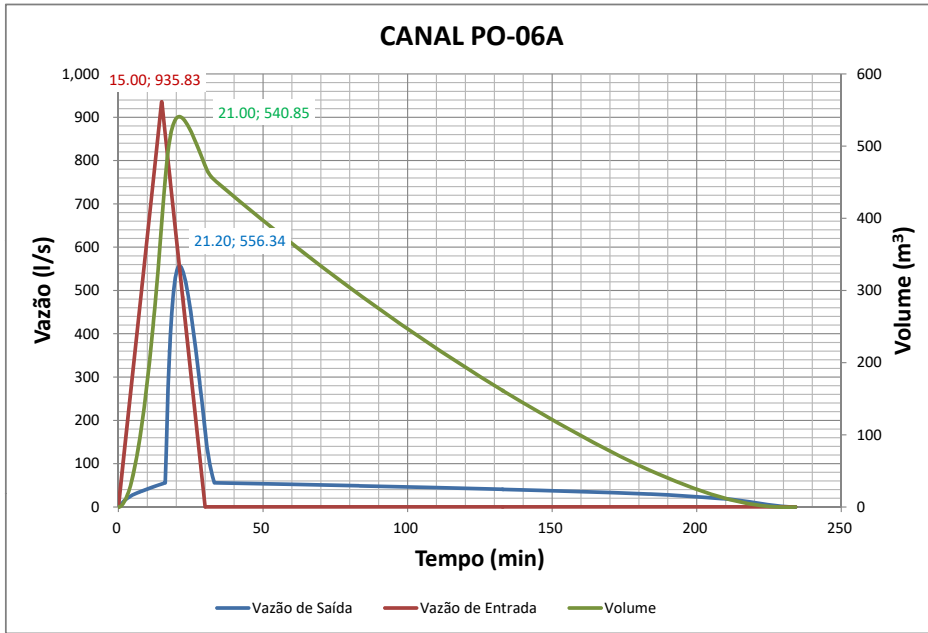
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	275.970	97.185	0.465	1.035	1229.465	75.052
13.600	280.089	99.026	0.472	1.028	1229.472	77.197
13.800	284.208	100.867	0.478	1.022	1229.478	79.371
14.000	288.327	102.709	0.484	1.016	1229.484	81.575
14.200	292.446	104.550	0.491	1.010	1229.491	83.808
14.400	296.565	106.391	0.497	1.003	1229.497	86.071
14.600	300.684	108.232	0.503	0.997	1229.503	88.362
14.800	304.803	110.073	0.509	0.991	1229.509	90.664
15.000	308.922	111.937	0.516	0.984	1229.516	93.029
15.200	304.804	113.800	0.522	0.978	1229.522	95.348
15.400	300.685	115.619	0.528	0.972	1229.528	97.592
15.600	296.566	117.372	0.534	0.966	1229.534	99.788
15.800	292.447	119.060	0.539	0.961	1229.539	101.908
16.000	288.328	120.704	0.545	0.955	1229.545	103.951
16.200	284.209	122.260	0.550	0.950	1229.550	105.915
16.400	280.090	123.773	0.555	0.945	1229.555	107.830
16.600	275.971	125.241	0.560	0.940	1229.560	109.665
16.800	271.852	126.644	0.565	0.935	1229.565	111.448
17.000	267.733	127.981	0.569	0.931	1229.569	113.151
17.200	263.614	129.274	0.573	0.927	1229.573	114.802
17.400	259.495	130.524	0.578	0.922	1229.578	116.370
17.600	255.376	131.707	0.582	0.918	1229.582	117.885
17.800	251.257	132.847	0.585	0.915	1229.585	119.346
18.000	247.138	133.921	0.589	0.911	1229.589	120.724
18.200	243.019	134.951	0.592	0.908	1229.592	122.048
18.400	238.900	135.938	0.596	0.904	1229.596	123.316
18.600	234.781	136.880	0.599	0.901	1229.599	124.528
18.800	230.662	137.779	0.602	0.898	1229.602	125.656
19.000	226.543	138.612	0.604	0.896	1229.604	126.728
19.200	222.424	139.401	0.607	0.893	1229.607	127.743
19.400	218.305	140.146	0.609	0.891	1229.609	128.702
19.600	214.186	140.880	0.612	0.888	1229.612	129.604
19.800	210.067	141.612	0.614	0.886	1229.614	130.448
20.000	205.949	142.296	0.616	0.884	1229.616	131.235
20.200	201.830	142.930	0.618	0.882	1229.618	131.965
20.400	197.711	143.516	0.619	0.881	1229.619	132.637
20.600	193.592	144.053	0.621	0.879	1229.621	133.251
20.800	189.473	144.541	0.622	0.878	1229.622	133.807
21.000	185.354	144.981	0.624	0.876	1229.624	134.305
21.200	181.235	145.371	0.625	0.875	1229.625	134.774
21.400	177.116	145.737	0.626	0.874	1229.626	135.185
21.600	172.997	146.055	0.627	0.873	1229.627	135.537
21.800	168.878	146.323	0.628	0.872	1229.628	135.831
22.000	164.759	146.543	0.628	0.872	1229.628	136.066
22.200	160.640	146.714	0.629	0.871	1229.629	136.242
22.400	156.521	146.860	0.629	0.871	1229.629	136.389
22.600	152.402	146.958	0.629	0.871	1229.629	136.477
22.800	148.283	147.007	0.629	0.871	1229.629	136.506
23.000	144.164	147.007	0.629	0.871	1229.629	136.506
23.200	140.045	146.982	0.629	0.871	1229.629	136.448
23.400	135.926	146.909	0.629	0.871	1229.629	136.330
23.600	131.807	146.811	0.628	0.872	1229.628	136.183
23.800	127.688	146.665	0.628	0.872	1229.628	135.977
24.000	123.569	146.470	0.627	0.873	1229.627	135.743
24.200	119.450	146.250	0.627	0.873	1229.627	135.449
24.400	115.331	145.982	0.626	0.874	1229.626	135.097
24.600	111.212	145.689	0.625	0.875	1229.625	134.716
24.800	107.093	145.347	0.624	0.876	1229.624	134.276
25.000	102.975	144.956	0.622	0.878	1229.622	133.807
25.200	98.856	144.541	0.621	0.879	1229.621	133.281
25.400	94.737	144.078	0.620	0.880	1229.620	132.696
25.600	90.618	143.589	0.618	0.882	1229.618	132.082
25.800	86.499	143.053	0.616	0.884	1229.616	131.440
26.000	82.380	142.491	0.615	0.885	1229.615	130.740
26.200	78.261	141.881	0.613	0.887	1229.613	129.982
26.400	74.142	141.246	0.611	0.889	1229.611	129.196
26.600	70.023	140.563	0.609	0.891	1229.609	128.382
26.800	65.904	139.927	0.606	0.894	1229.606	127.511
27.000	61.785	139.270	0.604	0.896	1229.604	126.612
27.200	57.666	138.568	0.602	0.898	1229.602	125.656
27.400	53.547	137.823	0.599	0.901	1229.599	124.673
27.600	49.428	137.056	0.596	0.904	1229.596	123.633
27.800	45.309	136.267	0.594	0.906	1229.594	122.566
28.000	41.190	135.434	0.591	0.909	1229.591	121.472
28.200	37.071	134.579	0.588	0.912	1229.588	120.322
28.400	32.952	133.702	0.585	0.915	1229.585	119.146
28.600	28.833	132.782	0.582	0.918	1229.582	117.914
28.800	24.714	131.817	0.578	0.922	1229.578	116.656
29.000	20.595	130.831	0.575	0.925	1229.575	115.343
29.200	16.476	129.822	0.571	0.929	1229.571	114.004
29.400	12.357	128.770	0.568	0.932	1229.568	112.640
29.600	8.238	127.696	0.564	0.936	1229.564	111.222
29.800	4.119	126.600	0.560	0.940	1229.560	109.778

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	0.001	125.461	0.556	0.944	1229.556	108.309
30.200	0.000	124.299	0.552	0.948	1229.552	106.816
30.400	0.000	123.159	0.549	0.951	1229.549	105.353
30.600	0.000	122.019	0.545	0.955	1229.545	103.895
30.800	0.000	120.879	0.541	0.959	1229.541	102.439
31.000	0.000	119.740	0.537	0.963	1229.537	100.987
31.200	0.000	118.600	0.533	0.967	1229.533	99.537
31.400	0.000	117.482	0.529	0.971	1229.529	98.147
31.600	0.000	116.386	0.526	0.974	1229.526	96.760
31.800	0.000	115.290	0.522	0.978	1229.522	95.375
32.000	0.000	114.194	0.518	0.982	1229.518	93.994
32.200	0.000	113.098	0.515	0.985	1229.515	92.616
32.400	0.000	112.002	0.511	0.989	1229.511	91.268
32.600	0.000	110.950	0.507	0.993	1229.507	89.950
32.800	0.000	109.898	0.504	0.996	1229.504	88.635
33.000	0.000	108.846	0.500	1.000	1229.500	87.323
33.200	0.000	107.794	0.497	1.003	1229.497	86.017
33.400	0.000	106.742	0.493	1.007	1229.493	84.721
33.600	0.000	105.690	0.489	1.011	1229.489	83.434
33.800	0.000	104.637	0.486	1.014	1229.486	82.157
34.000	0.000	103.585	0.482	1.018	1229.482	80.890
34.200	0.000	102.533	0.479	1.021	1229.479	79.658
34.400	0.000	101.525	0.475	1.025	1229.475	78.462
34.600	0.000	100.517	0.472	1.028	1229.472	77.274
34.800	0.000	99.508	0.469	1.031	1229.469	76.095
35.000	0.000	98.500	0.465	1.035	1229.465	74.926
35.200	0.000	97.492	0.462	1.038	1229.462	73.765
35.400	0.000	96.484	0.458	1.042	1229.458	72.613
35.600	0.000	95.500	0.455	1.045	1229.455	71.470
35.800	0.000	94.619	0.451	1.049	1229.451	70.336
36.000	0.000	93.738	0.448	1.052	1229.448	69.211
36.200	0.000	92.856	0.445	1.055	1229.445	68.095
36.400	0.000	91.975	0.441	1.059	1229.441	66.990
36.600	0.000	91.094	0.438	1.062	1229.438	65.894
36.800	0.000	90.213	0.434	1.066	1229.434	64.807
37.000	0.000	89.331	0.431	1.069	1229.431	63.731
37.200	0.000	88.450	0.427	1.073	1229.427	62.664
37.400	0.000	87.569	0.424	1.076	1229.424	61.606
37.600	0.000	86.688	0.421	1.079	1229.421	60.559
37.800	0.000	85.806	0.417	1.083	1229.417	59.521
38.000	0.000	84.925	0.414	1.086	1229.414	58.493
38.200	0.000	84.044	0.410	1.090	1229.410	57.474
38.400	0.000	83.163	0.407	1.093	1229.407	56.465
38.600	0.000	82.281	0.404	1.096	1229.404	55.466
38.800	0.000	81.400	0.400	1.100	1229.400	54.477
39.000	0.000	80.519	0.397	1.103	1229.397	53.497
39.200	0.000	79.638	0.393	1.107	1229.393	52.527
39.400	0.000	78.756	0.390	1.110	1229.390	51.566
39.600	0.000	77.875	0.386	1.114	1229.386	50.614
39.800	0.000	76.994	0.383	1.117	1229.383	49.672
40.000	0.000	76.113	0.380	1.120	1229.380	48.739
40.200	0.000	75.231	0.376	1.124	1229.376	47.836
40.400	0.000	74.388	0.373	1.127	1229.373	46.962
40.600	0.000	73.546	0.370	1.130	1229.370	46.096
40.800	0.000	72.703	0.366	1.134	1229.366	45.239
41.000	0.000	71.860	0.363	1.137	1229.363	44.390
41.200	0.000	71.017	0.360	1.140	1229.360	43.551
41.400	0.000	70.174	0.357	1.143	1229.357	42.719
41.600	0.000	69.331	0.353	1.147	1229.353	41.897
41.800	0.000	68.488	0.350	1.150	1229.350	41.083
42.000	0.000	67.645	0.347	1.153	1229.347	40.278
42.200	0.000	66.802	0.343	1.157	1229.343	39.481
42.400	0.000	65.959	0.340	1.160	1229.340	38.692
42.600	0.000	65.116	0.337	1.163	1229.337	37.912
42.800	0.000	64.273	0.334	1.166	1229.334	37.140
43.000	0.000	63.430	0.330	1.170	1229.330	36.377
43.200	0.000	62.587	0.327	1.173	1229.327	35.622
43.400	0.000	61.744	0.324	1.176	1229.324	34.875
43.600	0.000	60.902	0.321	1.179	1229.321	34.137
43.800	0.000	60.059	0.317	1.183	1229.317	33.407
44.000	0.000	59.216	0.314	1.186	1229.314	32.686
44.200	0.000	58.373	0.311	1.189	1229.311	31.973
44.400	0.000	57.530	0.307	1.193	1229.307	31.269
44.600	0.000	56.687	0.304	1.196	1229.304	30.588
44.800	0.000	55.968	0.301	1.199	1229.301	29.931
45.000	0.000	55.288	0.298	1.202	1229.298	29.282
45.200	0.000	54.608	0.295	1.205	1229.295	28.641
45.400	0.000	53.928	0.292	1.208	1229.292	28.006
45.600	0.000	53.248	0.289	1.211	1229.289	27.379
45.800	0.000	52.567	0.285	1.215	1229.285	26.760
46.000	0.000	51.887	0.282	1.218	1229.282	26.148
46.200	0.000	51.207	0.279	1.221	1229.279	25.544
46.400	0.000	50.527	0.276	1.224	1229.276	24.947

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
46.600	0.000	49.847	0.273	1.227	1229.273	24.357
46.800	0.000	49.167	0.270	1.230	1229.270	23.775
47.000	0.000	48.486	0.267	1.233	1229.267	23.200
47.200	0.000	47.806	0.264	1.236	1229.264	22.633
47.400	0.000	47.126	0.260	1.240	1229.260	22.073
47.600	0.000	46.446	0.257	1.243	1229.257	21.521
47.800	0.000	45.766	0.254	1.246	1229.254	20.976
48.000	0.000	45.086	0.251	1.249	1229.251	20.439
48.200	0.000	44.406	0.248	1.252	1229.248	19.909
48.400	0.000	43.725	0.245	1.255	1229.245	19.386
48.600	0.000	43.045	0.242	1.258	1229.242	18.870
48.800	0.000	42.365	0.239	1.261	1229.239	18.362
49.000	0.000	41.685	0.235	1.265	1229.235	17.861
49.200	0.000	41.005	0.232	1.268	1229.232	17.367
49.400	0.000	40.325	0.229	1.271	1229.229	16.881
49.600	0.000	39.645	0.226	1.274	1229.226	16.401
49.800	0.000	38.964	0.223	1.277	1229.223	15.929
50.000	0.000	38.284	0.220	1.280	1229.220	15.464
50.200	0.000	37.604	0.217	1.283	1229.217	15.007
50.400	0.000	36.924	0.214	1.286	1229.214	14.556
50.600	0.000	36.244	0.210	1.290	1229.210	14.113
50.800	0.000	35.564	0.207	1.293	1229.207	13.677
51.000	0.000	34.883	0.204	1.296	1229.204	13.248
51.200	0.000	34.219	0.201	1.299	1229.201	12.847
51.400	0.000	33.572	0.198	1.302	1229.198	12.452
51.600	0.000	32.924	0.195	1.305	1229.195	12.063
51.800	0.000	32.276	0.192	1.308	1229.192	11.681
52.000	0.000	31.628	0.189	1.311	1229.189	11.305
52.200	0.000	30.981	0.186	1.314	1229.186	10.936
52.400	0.000	30.333	0.183	1.317	1229.183	10.573
52.600	0.000	29.685	0.180	1.320	1229.180	10.216
52.800	0.000	29.037	0.177	1.323	1229.177	9.865
53.000	0.000	28.390	0.174	1.326	1229.174	9.521
53.200	0.000	27.742	0.171	1.329	1229.171	9.184
53.400	0.000	27.094	0.169	1.331	1229.169	8.853
53.600	0.000	26.446	0.166	1.334	1229.166	8.528
53.800	0.000	25.815	0.163	1.337	1229.163	8.225
54.000	0.000	25.199	0.160	1.340	1229.160	7.928
54.200	0.000	24.584	0.157	1.343	1229.157	7.637
54.400	0.000	23.969	0.154	1.346	1229.154	7.351
54.600	0.000	23.353	0.151	1.349	1229.151	7.071
54.800	0.000	22.897	0.149	1.351	1229.149	6.797
55.000	0.000	22.465	0.146	1.354	1229.146	6.529
55.200	0.000	22.034	0.143	1.357	1229.143	6.266
55.400	0.000	21.602	0.140	1.360	1229.140	6.009
55.600	0.000	21.170	0.137	1.363	1229.137	5.757
55.800	0.000	20.738	0.134	1.366	1229.134	5.511
56.000	0.000	20.306	0.132	1.368	1229.132	5.271
56.200	0.000	19.875	0.129	1.371	1229.129	5.036
56.400	0.000	19.443	0.126	1.374	1229.126	4.806
56.600	0.000	19.011	0.123	1.377	1229.123	4.582
56.800	0.000	18.579	0.120	1.380	1229.120	4.364
57.000	0.000	18.147	0.117	1.383	1229.117	4.152
57.200	0.000	17.716	0.115	1.385	1229.115	3.939
57.400	0.000	17.261	0.112	1.388	1229.112	3.727
57.600	0.000	16.806	0.109	1.391	1229.109	3.522
57.800	0.000	16.352	0.106	1.394	1229.106	3.322
58.000	0.000	15.897	0.103	1.397	1229.103	3.129
58.200	0.000	15.443	0.100	1.400	1229.100	2.942
58.400	0.000	14.988	0.097	1.403	1229.097	2.761
58.600	0.000	14.534	0.094	1.406	1229.094	2.586
58.800	0.000	14.079	0.091	1.409	1229.091	2.417
59.000	0.000	13.625	0.088	1.412	1229.088	2.254
59.200	0.000	13.170	0.085	1.415	1229.085	2.097
59.400	0.000	12.716	0.082	1.418	1229.082	1.946
59.600	0.000	12.261	0.079	1.421	1229.079	1.801
59.800	0.000	11.807	0.076	1.424	1229.076	1.662
60.000	0.000	11.352	0.073	1.427	1229.073	1.529
60.200	0.000	10.886	0.070	1.430	1229.070	1.396
60.400	0.000	10.409	0.067	1.433	1229.067	1.269
60.600	0.000	9.932	0.064	1.436	1229.064	1.149
60.800	0.000	9.454	0.060	1.440	1229.060	1.035
61.000	0.000	8.977	0.057	1.443	1229.057	0.928
61.200	0.000	8.500	0.054	1.446	1229.054	0.828
61.400	0.000	8.023	0.051	1.449	1229.051	0.732
61.600	0.000	7.523	0.048	1.452	1229.048	0.641
61.800	0.000	7.023	0.044	1.456	1229.044	0.558
62.000	0.000	6.545	0.041	1.459	1229.041	0.482
62.200	0.000	6.068	0.038	1.462	1229.038	0.412
62.400	0.000	5.591	0.035	1.465	1229.035	0.347
62.600	0.000	5.125	0.032	1.468	1229.032	0.291
62.800	0.000	4.670	0.029	1.471	1229.029	0.240
63.000	0.000	4.227	0.026	1.474	1229.026	0.195

CANAL PO-05 - V002

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
63.200	0.000	3.795	0.023	1.477	1229.023	0.156
63.400	0.000	3.375	0.021	1.479	1229.021	0.122
63.600	0.000	2.966	0.018	1.482	1229.018	0.093
63.800	0.000	2.579	0.016	1.484	1229.016	0.070
64.000	0.000	2.216	0.013	1.487	1229.013	0.050
64.200	0.000	1.864	0.011	1.489	1229.011	0.035
64.400	0.000	1.545	0.009	1.491	1229.009	0.024
64.600	0.000	1.250	0.007	1.493	1229.007	0.015
64.800	0.000	0.989	0.006	1.494	1229.006	0.009
65.000	0.000	0.761	0.004	1.496	1229.004	0.005
65.200	0.000	0.568	0.003	1.497	1229.003	0.003
65.400	0.000	0.420	0.002	1.498	1229.002	0.002
65.600	0.000	0.295	0.002	1.498	1229.002	0.001
65.800	0.000	0.205	0.001	1.499	1229.001	0.000
66.000	0.000	0.136	0.001	1.499	1229.001	0.000
66.200	0.000	0.091	0.001	1.499	1229.001	0.000
66.400	0.000	0.000	0.000	1.500	1229.000	0.000





ARQUITETURA + URBANISMO
CLN nº 01. B. B. SL. 900 - CEP 70.743-900
BRASILIA - DF - FONE: 01 3214 3700

CANAL: PO-06A

DATA: 18.12.2019

IMPULT DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	935.828	COTA DE FUNDO JUSANTE (m)			
VAZÃO DE SAÍDA MAX. (l/s)	21.20	556.339	COTA VERTEDOURO (m)			
PROFUNDIDADE MAX. (m)	21.00	1.665	COTA DO ORIFÍCIO (m)			
FREEBOARD MIN. (m)	21.00	0.335	VERTEDOURO DE CONTROLE (cm)			
NA MAX. (m)	21.00	1,215.915	VERTEDOURO DE DESCARGA (cm)			
VOLUME MAX (m ³)	21.00	540.85	DRENO DE FUNDO 3X ø (mm)			
VOLUME TOTAL (m ³)		746.84	COEF. DE DESCARGA DO VERTEDOURO			
PROFUNDIDADE TOTAL. (m)		2.00	COEF. DE DESCARGA DO DRENO DE FUNDO			
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
0.00	0.000	0.000	0.000	2.000	1214.250	0.000
0.200	12.478	0.329	0.013	1.987	1214.263	0.034
0.400	24.955	1.924	0.034	1.966	1214.284	0.221
0.600	37.433	3.624	0.055	1.945	1214.305	0.578
0.800	49.911	5.311	0.074	1.926	1214.324	1.086
1.000	62.389	6.864	0.093	1.907	1214.343	1.721
1.200	74.866	8.356	0.111	1.889	1214.361	2.484
1.400	87.344	9.817	0.129	1.871	1214.379	3.380
1.600	99.822	11.267	0.146	1.854	1214.396	4.407
1.800	112.299	12.704	0.164	1.836	1214.414	5.567
2.000	124.777	14.141	0.181	1.819	1214.431	6.858
2.200	137.255	15.566	0.199	1.801	1214.449	8.278
2.400	149.733	16.991	0.216	1.784	1214.466	9.833
2.600	162.210	18.031	0.234	1.766	1214.484	11.522
2.800	174.688	18.879	0.251	1.749	1214.501	13.347
3.000	187.166	19.730	0.269	1.731	1214.519	15.325
3.200	199.643	20.584	0.286	1.714	1214.536	17.439
3.400	212.121	21.439	0.304	1.696	1214.554	19.692
3.600	224.599	22.293	0.321	1.679	1214.571	22.082
3.800	237.077	23.148	0.339	1.661	1214.589	24.610
4.000	249.554	24.003	0.356	1.644	1214.606	27.277
4.200	262.032	24.857	0.374	1.626	1214.624	30.080
4.400	274.510	25.712	0.392	1.608	1214.642	33.022
4.600	286.987	26.566	0.409	1.591	1214.659	36.100
4.800	299.465	27.421	0.427	1.573	1214.677	39.317
5.000	311.943	28.155	0.444	1.556	1214.694	42.671
5.200	324.421	28.771	0.462	1.538	1214.712	46.194
5.400	336.898	29.389	0.480	1.520	1214.730	49.858
5.600	349.376	30.008	0.497	1.503	1214.747	53.662
5.800	361.854	30.626	0.515	1.485	1214.765	57.674
6.000	374.331	31.211	0.531	1.469	1214.781	61.826
6.200	386.809	31.754	0.546	1.454	1214.796	66.124
6.400	399.287	32.266	0.560	1.440	1214.810	70.486
6.600	411.764	32.767	0.575	1.425	1214.825	74.973
6.800	424.242	33.284	0.590	1.410	1214.840	79.622
7.000	436.720	33.812	0.605	1.395	1214.855	84.412
7.200	449.198	34.350	0.621	1.379	1214.871	89.348
7.400	461.675	34.898	0.637	1.363	1214.887	94.431
7.600	474.153	35.427	0.653	1.347	1214.903	99.616
7.800	486.631	35.891	0.669	1.331	1214.919	104.955
8.000	499.108	36.363	0.685	1.315	1214.935	110.449
8.200	511.586	36.844	0.702	1.298	1214.952	116.103
8.400	524.064	37.332	0.719	1.281	1214.969	121.869
8.600	536.542	37.826	0.737	1.263	1214.987	127.800
8.800	549.019	38.329	0.754	1.246	1215.004	133.873
9.000	561.497	38.836	0.772	1.228	1215.022	140.090
9.200	573.975	39.351	0.790	1.210	1215.040	146.456
9.400	586.452	39.871	0.808	1.192	1215.058	152.971
9.600	598.930	40.397	0.827	1.173	1215.077	159.612
9.800	611.408	40.929	0.845	1.155	1215.095	166.409
10.000	623.886	41.461	0.864	1.136	1215.114	173.335
10.200	636.363	41.932	0.883	1.117	1215.133	180.421
10.400	648.841	42.408	0.902	1.098	1215.152	187.642
10.600	661.319	42.888	0.921	1.079	1215.171	194.999
10.800	673.796	43.374	0.941	1.059	1215.191	202.523
11.000	686.274	43.863	0.961	1.039	1215.211	210.188
11.200	698.752	44.356	0.980	1.020	1215.230	217.996
11.400	711.229	44.853	1.000	1.000	1215.250	225.948
11.600	723.707	45.354	1.020	0.980	1215.270	234.048
11.800	736.185	45.858	1.041	0.959	1215.291	242.296
12.000	748.663	46.364	1.061	0.939	1215.311	250.664
12.200	761.140	46.862	1.081	0.919	1215.331	259.184
12.400	773.618	47.323	1.102	0.898	1215.352	267.859
12.600	786.096	47.787	1.123	0.877	1215.373	276.658
12.800	798.573	48.252	1.144	0.856	1215.394	285.615
13.000	811.051	48.721	1.165	0.835	1215.415	294.732
13.200	823.529	49.192	1.186	0.814	1215.436	303.978

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	836.006	49.665	1.207	0.793	1215.457	313.354
13.600	848.484	50.141	1.228	0.772	1215.478	322.895
13.800	860.962	50.618	1.249	0.751	1215.499	332.569
14.000	873.440	51.099	1.271	0.729	1215.521	342.377
14.200	885.917	51.578	1.292	0.708	1215.542	352.356
14.400	898.395	52.021	1.314	0.686	1215.564	362.471
14.600	910.873	52.467	1.336	0.664	1215.586	372.726
14.800	923.350	52.912	1.358	0.642	1215.608	383.119
15.000	935.828	53.361	1.379	0.621	1215.629	393.654
15.200	923.352	53.809	1.401	0.599	1215.651	404.185
15.400	910.874	54.248	1.422	0.578	1215.672	414.562
15.600	898.396	54.676	1.443	0.557	1215.693	424.779
15.800	885.919	55.094	1.463	0.537	1215.713	434.828
16.000	873.441	55.502	1.483	0.517	1215.733	444.739
16.200	860.963	55.900	1.502	0.498	1215.752	454.508
16.400	848.486	89.903	1.520	0.480	1215.770	463.899
16.600	836.008	142.707	1.537	0.463	1215.787	472.476
16.800	823.530	190.546	1.552	0.448	1215.802	480.298
17.000	811.052	234.098	1.565	0.435	1215.815	487.427
17.200	798.575	273.363	1.578	0.422	1215.828	493.930
17.400	786.097	309.017	1.589	0.411	1215.839	499.835
17.600	773.619	341.286	1.599	0.401	1215.849	505.213
17.800	761.142	370.396	1.608	0.392	1215.858	510.096
18.000	748.664	396.572	1.616	0.384	1215.866	514.439
18.200	736.186	420.041	1.624	0.376	1215.874	518.397
18.400	723.709	441.027	1.630	0.370	1215.880	521.925
18.600	711.231	459.757	1.636	0.364	1215.886	525.059
18.800	698.753	476.456	1.641	0.359	1215.891	527.879
19.000	686.275	491.123	1.646	0.354	1215.896	530.301
19.200	673.798	503.986	1.650	0.350	1215.900	532.484
19.400	661.320	515.269	1.653	0.347	1215.903	534.347
19.600	648.842	524.747	1.656	0.344	1215.906	535.928
19.800	636.365	532.870	1.658	0.342	1215.908	537.268
20.000	623.887	539.640	1.660	0.340	1215.910	538.365
20.200	611.409	545.281	1.662	0.338	1215.912	539.259
20.400	598.931	549.569	1.663	0.337	1215.913	539.951
20.600	586.454	552.954	1.664	0.336	1215.914	540.439
20.800	573.976	554.985	1.665	0.335	1215.915	540.724
21.000	561.498	556.113	1.665	0.335	1215.915	540.846
21.200	549.021	556.339	1.665	0.335	1215.915	540.805
21.400	536.543	555.662	1.665	0.335	1215.915	540.643
21.600	524.065	554.533	1.664	0.336	1215.914	540.358
21.800	511.588	552.503	1.663	0.337	1215.913	539.910
22.000	499.110	549.795	1.662	0.338	1215.912	539.381
22.200	486.632	546.410	1.661	0.339	1215.911	538.730
22.400	474.154	542.574	1.660	0.340	1215.910	537.958
22.600	461.677	538.060	1.658	0.342	1215.908	537.105
22.800	449.199	533.096	1.656	0.344	1215.906	536.172
23.000	436.721	527.680	1.655	0.345	1215.905	535.158
23.200	424.244	521.813	1.653	0.347	1215.903	534.063
23.400	411.766	515.495	1.650	0.350	1215.900	532.889
23.600	399.288	508.725	1.648	0.352	1215.898	531.635
23.800	386.810	501.504	1.646	0.354	1215.896	530.301
24.000	374.333	493.831	1.643	0.357	1215.893	528.928
24.200	361.855	485.933	1.640	0.360	1215.890	527.476
24.400	349.377	477.810	1.638	0.362	1215.888	525.985
24.600	336.900	469.235	1.635	0.365	1215.885	524.456
24.800	324.422	460.434	1.632	0.368	1215.882	522.848
25.000	311.944	451.407	1.629	0.371	1215.879	521.242
25.200	299.467	442.156	1.626	0.374	1215.876	519.558
25.400	286.989	432.678	1.623	0.377	1215.873	517.876
25.600	274.511	422.975	1.619	0.381	1215.869	516.117
25.800	262.033	413.046	1.616	0.384	1215.866	514.360
26.000	249.556	403.117	1.613	0.387	1215.863	512.565
26.200	237.078	392.736	1.609	0.391	1215.859	510.733
26.400	224.600	382.356	1.606	0.394	1215.856	508.903
26.600	212.123	371.750	1.602	0.398	1215.852	506.997
26.800	199.645	360.918	1.599	0.401	1215.849	505.094
27.000	187.167	350.087	1.595	0.405	1215.845	503.194
27.200	174.689	339.255	1.592	0.408	1215.842	501.256
27.400	162.212	327.972	1.588	0.412	1215.838	499.283
27.600	149.734	316.689	1.584	0.416	1215.834	497.312
27.800	137.256	305.407	1.580	0.420	1215.830	495.345
28.000	124.779	294.124	1.577	0.423	1215.827	493.380
28.200	112.301	282.841	1.573	0.427	1215.823	491.380
28.400	99.823	271.106	1.569	0.431	1215.819	489.343
28.600	87.346	259.372	1.565	0.435	1215.815	487.310
28.800	74.868	247.638	1.561	0.439	1215.811	485.280
29.000	62.390	235.904	1.557	0.443	1215.807	483.254
29.200	49.912	224.169	1.554	0.446	1215.804	481.231
29.400	37.435	212.435	1.550	0.450	1215.800	479.172
29.600	24.957	200.250	1.546	0.454	1215.796	477.078
29.800	12.479	188.064	1.542	0.458	1215.792	474.987

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	0.002	175.879	1.538	0.462	1215.788	472.901
30.200	0.000	163.919	1.534	0.466	1215.784	470.933
30.400	0.000	152.636	1.530	0.470	1215.780	469.046
30.600	0.000	142.030	1.527	0.473	1215.777	467.315
30.800	0.000	132.327	1.524	0.476	1215.774	465.702
31.000	0.000	123.074	1.521	0.479	1215.771	464.206
31.200	0.000	114.499	1.518	0.482	1215.768	462.788
31.400	0.000	106.601	1.515	0.485	1215.765	461.487
31.600	0.000	99.155	1.513	0.487	1215.763	460.264
31.800	0.000	92.159	1.511	0.489	1215.761	459.156
32.000	0.000	85.841	1.509	0.491	1215.759	458.126
32.200	0.000	79.974	1.507	0.493	1215.757	457.135
32.400	0.000	74.332	1.505	0.495	1215.755	456.221
32.600	0.000	69.142	1.504	0.496	1215.754	455.383
32.800	0.000	64.178	1.502	0.498	1215.752	454.585
33.000	0.000	59.664	1.501	0.499	1215.751	453.862
33.200	0.000	56.051	1.499	0.501	1215.749	453.178
33.400	0.000	56.025	1.498	0.502	1215.748	452.495
33.600	0.000	55.998	1.497	0.503	1215.747	451.812
33.800	0.000	55.972	1.495	0.505	1215.745	451.129
34.000	0.000	55.945	1.494	0.506	1215.744	450.447
34.200	0.000	55.919	1.493	0.508	1215.743	449.765
34.400	0.000	55.891	1.491	0.509	1215.741	449.084
34.600	0.000	55.864	1.490	0.510	1215.740	448.403
34.800	0.000	55.836	1.488	0.512	1215.738	447.722
35.000	0.000	55.809	1.487	0.513	1215.737	447.042
35.200	0.000	55.781	1.486	0.514	1215.736	446.362
35.400	0.000	55.754	1.484	0.516	1215.734	445.682
35.600	0.000	55.726	1.483	0.517	1215.733	445.003
35.800	0.000	55.699	1.482	0.518	1215.732	444.325
36.000	0.000	55.671	1.480	0.520	1215.730	443.646
36.200	0.000	55.644	1.479	0.521	1215.729	442.969
36.400	0.000	55.616	1.478	0.522	1215.728	442.291
36.600	0.000	55.589	1.476	0.524	1215.726	441.614
36.800	0.000	55.561	1.475	0.525	1215.725	440.937
37.000	0.000	55.534	1.474	0.526	1215.724	440.261
37.200	0.000	55.506	1.472	0.528	1215.722	439.585
37.400	0.000	55.479	1.471	0.529	1215.721	438.910
37.600	0.000	55.452	1.470	0.530	1215.720	438.235
37.800	0.000	55.424	1.468	0.532	1215.718	437.560
38.000	0.000	55.397	1.467	0.533	1215.717	436.886
38.200	0.000	55.369	1.466	0.534	1215.716	436.212
38.400	0.000	55.342	1.464	0.536	1215.714	435.538
38.600	0.000	55.314	1.463	0.537	1215.713	434.865
38.800	0.000	55.287	1.462	0.538	1215.712	434.192
39.000	0.000	55.259	1.460	0.540	1215.710	433.520
39.200	0.000	55.232	1.459	0.541	1215.709	432.848
39.400	0.000	55.204	1.458	0.542	1215.708	432.176
39.600	0.000	55.177	1.456	0.544	1215.706	431.505
39.800	0.000	55.149	1.455	0.545	1215.705	430.835
40.000	0.000	55.122	1.454	0.546	1215.704	430.164
40.200	0.000	55.094	1.452	0.548	1215.702	429.494
40.400	0.000	55.067	1.451	0.549	1215.701	428.825
40.600	0.000	55.039	1.450	0.550	1215.700	428.156
40.800	0.000	55.012	1.448	0.552	1215.698	427.487
41.000	0.000	54.984	1.447	0.553	1215.697	426.819
41.200	0.000	54.957	1.446	0.554	1215.696	426.151
41.400	0.000	54.929	1.444	0.556	1215.694	425.483
41.600	0.000	54.902	1.443	0.557	1215.693	424.816
41.800	0.000	54.874	1.442	0.558	1215.692	424.149
42.000	0.000	54.847	1.440	0.560	1215.690	423.483
42.200	0.000	54.819	1.439	0.561	1215.689	422.817
42.400	0.000	54.792	1.438	0.562	1215.688	422.151
42.600	0.000	54.764	1.436	0.564	1215.686	421.486
42.800	0.000	54.737	1.435	0.565	1215.685	420.821
43.000	0.000	54.710	1.434	0.566	1215.684	420.157
43.200	0.000	54.682	1.432	0.568	1215.682	419.493
43.400	0.000	54.655	1.431	0.569	1215.681	418.829
43.600	0.000	54.627	1.430	0.570	1215.680	418.166
43.800	0.000	54.600	1.428	0.572	1215.678	417.503
44.000	0.000	54.572	1.427	0.573	1215.677	416.841
44.200	0.000	54.545	1.426	0.574	1215.676	416.179
44.400	0.000	54.517	1.424	0.576	1215.674	415.517
44.600	0.000	54.490	1.423	0.577	1215.673	414.856
44.800	0.000	54.462	1.422	0.578	1215.672	414.195
45.000	0.000	54.435	1.420	0.580	1215.670	413.535
45.200	0.000	54.407	1.419	0.581	1215.669	412.875
45.400	0.000	54.380	1.417	0.583	1215.667	412.215
45.600	0.000	54.352	1.416	0.584	1215.666	411.556
45.800	0.000	54.325	1.415	0.585	1215.665	410.897
46.000	0.000	54.297	1.413	0.587	1215.663	410.238
46.200	0.000	54.270	1.412	0.588	1215.662	409.580
46.400	0.000	54.242	1.411	0.589	1215.661	408.923

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
46.600	0.000	54.215	1.409	0.591	1215.659	408.265
46.800	0.000	54.187	1.408	0.592	1215.658	407.609
47.000	0.000	54.160	1.407	0.593	1215.657	406.952
47.200	0.000	54.132	1.405	0.595	1215.655	406.296
47.400	0.000	54.105	1.404	0.596	1215.654	405.640
47.600	0.000	54.077	1.403	0.597	1215.653	404.985
47.800	0.000	54.050	1.401	0.599	1215.651	404.330
48.000	0.000	54.022	1.400	0.600	1215.650	403.676
48.200	0.000	53.995	1.399	0.601	1215.649	403.022
48.400	0.000	53.967	1.397	0.603	1215.647	402.368
48.600	0.000	53.940	1.396	0.604	1215.646	401.715
48.800	0.000	53.913	1.395	0.605	1215.645	401.062
49.000	0.000	53.885	1.393	0.607	1215.643	400.409
49.200	0.000	53.858	1.392	0.608	1215.642	399.757
49.400	0.000	53.830	1.391	0.609	1215.641	399.105
49.600	0.000	53.803	1.389	0.611	1215.639	398.454
49.800	0.000	53.775	1.388	0.612	1215.638	397.803
50.000	0.000	53.748	1.387	0.613	1215.637	397.153
50.200	0.000	53.720	1.385	0.615	1215.635	396.502
50.400	0.000	53.693	1.384	0.616	1215.634	395.853
50.600	0.000	53.665	1.383	0.617	1215.633	395.203
50.800	0.000	53.638	1.381	0.619	1215.631	394.554
51.000	0.000	53.610	1.380	0.620	1215.630	393.906
51.200	0.000	53.583	1.379	0.621	1215.629	393.258
51.400	0.000	53.555	1.377	0.623	1215.627	392.610
51.600	0.000	53.528	1.376	0.624	1215.626	391.963
51.800	0.000	53.500	1.375	0.625	1215.625	391.316
52.000	0.000	53.473	1.373	0.627	1215.623	390.669
52.200	0.000	53.445	1.372	0.628	1215.622	390.023
52.400	0.000	53.418	1.371	0.629	1215.621	389.377
52.600	0.000	53.390	1.369	0.631	1215.619	388.732
52.800	0.000	53.363	1.368	0.632	1215.618	388.087
53.000	0.000	53.335	1.367	0.633	1215.617	387.442
53.200	0.000	53.308	1.365	0.635	1215.615	386.798
53.400	0.000	53.280	1.364	0.636	1215.614	386.154
53.600	0.000	53.253	1.363	0.637	1215.613	385.511
53.800	0.000	53.225	1.361	0.639	1215.611	384.868
54.000	0.000	53.198	1.360	0.640	1215.610	384.225
54.200	0.000	53.171	1.359	0.641	1215.609	383.583
54.400	0.000	53.143	1.357	0.643	1215.607	382.941
54.600	0.000	53.116	1.356	0.644	1215.606	382.300
54.800	0.000	53.088	1.355	0.645	1215.605	381.659
55.000	0.000	53.061	1.353	0.647	1215.603	381.018
55.200	0.000	53.033	1.352	0.648	1215.602	380.378
55.400	0.000	53.006	1.351	0.649	1215.601	379.738
55.600	0.000	52.978	1.349	0.651	1215.599	379.098
55.800	0.000	52.951	1.348	0.652	1215.598	378.459
56.000	0.000	52.923	1.347	0.654	1215.597	377.821
56.200	0.000	52.896	1.345	0.655	1215.595	377.182
56.400	0.000	52.868	1.344	0.656	1215.594	376.544
56.600	0.000	52.841	1.342	0.658	1215.592	375.907
56.800	0.000	52.813	1.341	0.659	1215.591	375.270
57.000	0.000	52.786	1.340	0.660	1215.590	374.633
57.200	0.000	52.758	1.338	0.662	1215.588	373.997
57.400	0.000	52.731	1.337	0.663	1215.587	373.361
57.600	0.000	52.703	1.336	0.664	1215.586	372.726
57.800	0.000	52.676	1.334	0.666	1215.584	372.090
58.000	0.000	52.648	1.333	0.667	1215.583	371.456
58.200	0.000	52.621	1.332	0.668	1215.582	370.821
58.400	0.000	52.593	1.330	0.670	1215.580	370.187
58.600	0.000	52.566	1.329	0.671	1215.579	369.554
58.800	0.000	52.538	1.328	0.672	1215.578	368.921
59.000	0.000	52.511	1.326	0.674	1215.576	368.288
59.200	0.000	52.483	1.325	0.675	1215.575	367.656
59.400	0.000	52.456	1.324	0.676	1215.574	367.024
59.600	0.000	52.429	1.322	0.678	1215.572	366.392
59.800	0.000	52.401	1.321	0.679	1215.571	365.761
60.000	0.000	52.374	1.320	0.680	1215.570	365.130
60.200	0.000	52.346	1.318	0.682	1215.568	364.500
60.400	0.000	52.319	1.317	0.683	1215.567	363.870
60.600	0.000	52.291	1.316	0.684	1215.566	363.240
60.800	0.000	52.264	1.314	0.686	1215.564	362.611
61.000	0.000	52.236	1.313	0.687	1215.563	361.982
61.200	0.000	52.209	1.312	0.688	1215.562	361.354
61.400	0.000	52.181	1.310	0.690	1215.560	360.726
61.600	0.000	52.154	1.309	0.691	1215.559	360.098
61.800	0.000	52.126	1.308	0.692	1215.558	359.471
62.000	0.000	52.099	1.306	0.694	1215.556	358.844
62.200	0.000	52.071	1.305	0.695	1215.555	358.218
62.400	0.000	52.044	1.304	0.696	1215.554	357.592
62.600	0.000	52.016	1.302	0.698	1215.552	356.966
62.800	0.000	51.989	1.301	0.699	1215.551	356.341
63.000	0.000	51.961	1.300	0.700	1215.550	355.716

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
63.200	0.000	51.934	1.298	0.702	1215.548	355.092
63.400	0.000	51.906	1.297	0.703	1215.547	354.468
63.600	0.000	51.879	1.296	0.704	1215.546	353.844
63.800	0.000	51.851	1.294	0.706	1215.544	353.221
64.000	0.000	51.824	1.293	0.707	1215.543	352.598
64.200	0.000	51.796	1.292	0.708	1215.542	351.975
64.400	0.000	51.769	1.290	0.710	1215.540	351.353
64.600	0.000	51.741	1.289	0.711	1215.539	350.732
64.800	0.000	51.714	1.288	0.712	1215.538	350.110
65.000	0.000	51.687	1.286	0.714	1215.536	349.489
65.200	0.000	51.659	1.285	0.715	1215.535	348.869
65.400	0.000	51.632	1.284	0.716	1215.534	348.249
65.600	0.000	51.604	1.282	0.718	1215.532	347.629
65.800	0.000	51.577	1.281	0.719	1215.531	347.010
66.000	0.000	51.549	1.280	0.720	1215.530	346.391
66.200	0.000	51.519	1.278	0.722	1215.528	345.772
66.400	0.000	51.489	1.277	0.723	1215.527	345.154
66.600	0.000	51.459	1.276	0.724	1215.526	344.536
66.800	0.000	51.429	1.274	0.726	1215.524	343.919
67.000	0.000	51.399	1.273	0.727	1215.523	343.302
67.200	0.000	51.369	1.271	0.729	1215.521	342.685
67.400	0.000	51.339	1.270	0.730	1215.520	342.069
67.600	0.000	51.309	1.269	0.731	1215.519	341.453
67.800	0.000	51.279	1.267	0.733	1215.517	340.838
68.000	0.000	51.249	1.266	0.734	1215.516	340.223
68.200	0.000	51.219	1.265	0.735	1215.515	339.608
68.400	0.000	51.189	1.263	0.737	1215.513	338.994
68.600	0.000	51.159	1.262	0.738	1215.512	338.380
68.800	0.000	51.129	1.261	0.739	1215.511	337.767
69.000	0.000	51.099	1.259	0.741	1215.509	337.154
69.200	0.000	51.069	1.258	0.742	1215.508	336.541
69.400	0.000	51.039	1.257	0.743	1215.507	335.929
69.600	0.000	51.009	1.255	0.745	1215.505	335.317
69.800	0.000	50.978	1.254	0.746	1215.504	334.706
70.000	0.000	50.948	1.253	0.747	1215.503	334.095
70.200	0.000	50.918	1.251	0.749	1215.501	333.484
70.400	0.000	50.888	1.250	0.750	1215.500	332.874
70.600	0.000	50.858	1.249	0.751	1215.499	332.264
70.800	0.000	50.828	1.247	0.753	1215.497	331.654
71.000	0.000	50.798	1.246	0.754	1215.496	331.045
71.200	0.000	50.768	1.245	0.755	1215.495	330.437
71.400	0.000	50.738	1.243	0.757	1215.493	329.828
71.600	0.000	50.708	1.242	0.758	1215.492	329.221
71.800	0.000	50.678	1.241	0.759	1215.491	328.613
72.000	0.000	50.648	1.239	0.761	1215.489	328.006
72.200	0.000	50.618	1.238	0.762	1215.488	327.399
72.400	0.000	50.588	1.237	0.763	1215.487	326.793
72.600	0.000	50.558	1.235	0.765	1215.485	326.187
72.800	0.000	50.528	1.234	0.766	1215.484	325.581
73.000	0.000	50.498	1.233	0.767	1215.483	324.976
73.200	0.000	50.468	1.231	0.769	1215.481	324.371
73.400	0.000	50.438	1.230	0.770	1215.480	323.767
73.600	0.000	50.408	1.229	0.771	1215.479	323.163
73.800	0.000	50.378	1.227	0.773	1215.477	322.559
74.000	0.000	50.348	1.226	0.774	1215.476	321.956
74.200	0.000	50.318	1.225	0.775	1215.475	321.353
74.400	0.000	50.288	1.223	0.777	1215.473	320.751
74.600	0.000	50.258	1.222	0.778	1215.472	320.149
74.800	0.000	50.228	1.221	0.779	1215.471	319.547
75.000	0.000	50.198	1.219	0.781	1215.469	318.946
75.200	0.000	50.168	1.218	0.782	1215.468	318.345
75.400	0.000	50.138	1.217	0.783	1215.467	317.745
75.600	0.000	50.108	1.215	0.785	1215.465	317.145
75.800	0.000	50.077	1.214	0.786	1215.464	316.545
76.000	0.000	50.047	1.213	0.787	1215.463	315.946
76.200	0.000	50.017	1.211	0.789	1215.461	315.347
76.400	0.000	49.987	1.210	0.790	1215.460	314.749
76.600	0.000	49.957	1.209	0.791	1215.459	314.151
76.800	0.000	49.927	1.207	0.793	1215.457	313.553
77.000	0.000	49.897	1.206	0.794	1215.456	312.956
77.200	0.000	49.867	1.205	0.795	1215.455	312.359
77.400	0.000	49.837	1.203	0.797	1215.453	311.762
77.600	0.000	49.807	1.202	0.798	1215.452	311.166
77.800	0.000	49.777	1.201	0.800	1215.451	310.570
78.000	0.000	49.747	1.199	0.801	1215.449	309.975
78.200	0.000	49.717	1.198	0.802	1215.448	309.380
78.400	0.000	49.687	1.196	0.804	1215.446	308.786
78.600	0.000	49.657	1.195	0.805	1215.445	308.191
78.800	0.000	49.627	1.194	0.806	1215.444	307.598
79.000	0.000	49.597	1.192	0.808	1215.442	307.004

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
79.200	0.000	49.567	1.191	0.809	1215.441	306.411
79.400	0.000	49.537	1.190	0.810	1215.440	305.819
79.600	0.000	49.507	1.188	0.812	1215.438	305.227
79.800	0.000	49.477	1.187	0.813	1215.437	304.635
80.000	0.000	49.447	1.186	0.814	1215.436	304.043
80.200	0.000	49.417	1.184	0.816	1215.434	303.452
80.400	0.000	49.387	1.183	0.817	1215.433	302.862
80.600	0.000	49.357	1.182	0.818	1215.432	302.272
80.800	0.000	49.327	1.180	0.820	1215.430	301.682
81.000	0.000	49.297	1.179	0.821	1215.429	301.092
81.200	0.000	49.267	1.178	0.822	1215.428	300.503
81.400	0.000	49.237	1.176	0.824	1215.426	299.915
81.600	0.000	49.207	1.175	0.825	1215.425	299.326
81.800	0.000	49.177	1.174	0.826	1215.424	298.738
82.000	0.000	49.146	1.172	0.828	1215.422	298.151
82.200	0.000	49.116	1.171	0.829	1215.421	297.564
82.400	0.000	49.086	1.170	0.830	1215.420	296.977
82.600	0.000	49.056	1.168	0.832	1215.418	296.391
82.800	0.000	49.026	1.167	0.833	1215.417	295.805
83.000	0.000	48.996	1.166	0.834	1215.416	295.219
83.200	0.000	48.966	1.164	0.836	1215.414	294.634
83.400	0.000	48.936	1.163	0.837	1215.413	294.050
83.600	0.000	48.906	1.162	0.838	1215.412	293.465
83.800	0.000	48.876	1.160	0.840	1215.410	292.881
84.000	0.000	48.846	1.159	0.841	1215.409	292.298
84.200	0.000	48.816	1.158	0.842	1215.408	291.715
84.400	0.000	48.786	1.156	0.844	1215.406	291.132
84.600	0.000	48.756	1.155	0.845	1215.405	290.549
84.800	0.000	48.726	1.154	0.846	1215.404	289.967
85.000	0.000	48.696	1.152	0.848	1215.402	289.386
85.200	0.000	48.666	1.151	0.849	1215.401	288.805
85.400	0.000	48.636	1.150	0.850	1215.400	288.224
85.600	0.000	48.606	1.148	0.852	1215.398	287.643
85.800	0.000	48.576	1.147	0.853	1215.397	287.063
86.000	0.000	48.546	1.146	0.854	1215.396	286.484
86.200	0.000	48.516	1.144	0.856	1215.394	285.905
86.400	0.000	48.486	1.143	0.857	1215.393	285.326
86.600	0.000	48.456	1.142	0.858	1215.392	284.747
86.800	0.000	48.426	1.140	0.860	1215.390	284.169
87.000	0.000	48.396	1.139	0.861	1215.389	283.591
87.200	0.000	48.366	1.138	0.862	1215.388	283.014
87.400	0.000	48.336	1.136	0.864	1215.386	282.437
87.600	0.000	48.306	1.135	0.865	1215.385	281.861
87.800	0.000	48.276	1.134	0.866	1215.384	281.285
88.000	0.000	48.246	1.132	0.868	1215.382	280.709
88.200	0.000	48.215	1.131	0.869	1215.381	280.134
88.400	0.000	48.185	1.130	0.870	1215.380	279.559
88.600	0.000	48.155	1.128	0.872	1215.378	278.984
88.800	0.000	48.125	1.127	0.873	1215.377	278.410
89.000	0.000	48.095	1.125	0.875	1215.375	277.836
89.200	0.000	48.065	1.124	0.876	1215.374	277.263
89.400	0.000	48.035	1.123	0.877	1215.373	276.690
89.600	0.000	48.005	1.121	0.879	1215.371	276.117
89.800	0.000	47.975	1.120	0.880	1215.370	275.545
90.000	0.000	47.945	1.119	0.881	1215.369	274.973
90.200	0.000	47.915	1.117	0.883	1215.367	274.402
90.400	0.000	47.885	1.116	0.884	1215.366	273.831
90.600	0.000	47.855	1.115	0.885	1215.365	273.260
90.800	0.000	47.825	1.113	0.887	1215.363	272.690
91.000	0.000	47.795	1.112	0.888	1215.362	272.120
91.200	0.000	47.765	1.111	0.889	1215.361	271.551
91.400	0.000	47.735	1.109	0.891	1215.359	270.982
91.600	0.000	47.705	1.108	0.892	1215.358	270.413
91.800	0.000	47.675	1.107	0.893	1215.357	269.845
92.000	0.000	47.645	1.105	0.895	1215.355	269.277
92.200	0.000	47.615	1.104	0.896	1215.354	268.709
92.400	0.000	47.585	1.103	0.897	1215.353	268.142
92.600	0.000	47.555	1.101	0.899	1215.351	267.576
92.800	0.000	47.525	1.100	0.900	1215.350	267.009
93.000	0.000	47.495	1.099	0.901	1215.349	266.443
93.200	0.000	47.465	1.097	0.903	1215.347	265.878
93.400	0.000	47.435	1.096	0.904	1215.346	265.313
93.600	0.000	47.405	1.095	0.905	1215.345	264.748
93.800	0.000	47.375	1.093	0.907	1215.343	264.184
94.000	0.000	47.345	1.092	0.908	1215.342	263.620
94.200	0.000	47.315	1.091	0.909	1215.341	263.056
94.400	0.000	47.284	1.089	0.911	1215.339	262.493
94.600	0.000	47.254	1.088	0.912	1215.338	261.930
94.800	0.000	47.224	1.087	0.913	1215.337	261.368
95.000	0.000	47.194	1.085	0.915	1215.335	260.806
95.200	0.000	47.164	1.084	0.916	1215.334	260.244

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
95.400	0.000	47.134	1.083	0.917	1215.333	259.683
95.600	0.000	47.104	1.081	0.919	1215.331	259.122
95.800	0.000	47.074	1.080	0.920	1215.330	258.561
96.000	0.000	47.044	1.079	0.921	1215.329	258.001
96.200	0.000	47.014	1.077	0.923	1215.327	257.442
96.400	0.000	46.984	1.076	0.924	1215.326	256.882
96.600	0.000	46.954	1.075	0.925	1215.325	256.324
96.800	0.000	46.924	1.073	0.927	1215.323	255.765
97.000	0.000	46.894	1.072	0.928	1215.322	255.207
97.200	0.000	46.864	1.071	0.929	1215.321	254.649
97.400	0.000	46.834	1.069	0.931	1215.319	254.092
97.600	0.000	46.804	1.068	0.932	1215.318	253.535
97.800	0.000	46.774	1.067	0.933	1215.317	252.979
98.000	0.000	46.742	1.065	0.935	1215.315	252.422
98.200	0.000	46.708	1.064	0.936	1215.314	251.867
98.400	0.000	46.675	1.063	0.937	1215.313	251.311
98.600	0.000	46.641	1.061	0.939	1215.311	250.756
98.800	0.000	46.608	1.060	0.940	1215.310	250.202
99.000	0.000	46.574	1.059	0.941	1215.309	249.648
99.200	0.000	46.541	1.057	0.943	1215.307	249.094
99.400	0.000	46.507	1.056	0.944	1215.306	248.540
99.600	0.000	46.474	1.055	0.946	1215.305	247.987
99.800	0.000	46.440	1.053	0.947	1215.303	247.435
100.000	0.000	46.407	1.052	0.948	1215.302	246.882
100.200	0.000	46.373	1.050	0.950	1215.300	246.331
100.400	0.000	46.340	1.049	0.951	1215.299	245.779
100.600	0.000	46.306	1.048	0.952	1215.298	245.228
100.800	0.000	46.273	1.046	0.954	1215.296	244.677
101.000	0.000	46.239	1.045	0.955	1215.295	244.127
101.200	0.000	46.206	1.044	0.956	1215.294	243.577
101.400	0.000	46.172	1.042	0.958	1215.292	243.028
101.600	0.000	46.139	1.041	0.959	1215.291	242.479
101.800	0.000	46.105	1.040	0.960	1215.290	241.930
102.000	0.000	46.072	1.038	0.962	1215.288	241.382
102.200	0.000	46.038	1.037	0.963	1215.287	240.834
102.400	0.000	46.005	1.036	0.964	1215.286	240.286
102.600	0.000	45.971	1.034	0.966	1215.284	239.739
102.800	0.000	45.938	1.033	0.967	1215.283	239.192
103.000	0.000	45.904	1.032	0.968	1215.282	238.646
103.200	0.000	45.871	1.030	0.970	1215.280	238.100
103.400	0.000	45.837	1.029	0.971	1215.279	237.554
103.600	0.000	45.804	1.028	0.972	1215.278	237.009
103.800	0.000	45.770	1.026	0.974	1215.276	236.464
104.000	0.000	45.737	1.025	0.975	1215.275	235.920
104.200	0.000	45.703	1.024	0.976	1215.274	235.376
104.400	0.000	45.670	1.022	0.978	1215.272	234.832
104.600	0.000	45.636	1.021	0.979	1215.271	234.289
104.800	0.000	45.603	1.020	0.980	1215.270	233.746
105.000	0.000	45.569	1.018	0.982	1215.268	233.204
105.200	0.000	45.536	1.017	0.983	1215.267	232.661
105.400	0.000	45.502	1.016	0.984	1215.266	232.120
105.600	0.000	45.469	1.014	0.986	1215.264	231.578
105.800	0.000	45.435	1.013	0.987	1215.263	231.038
106.000	0.000	45.402	1.012	0.988	1215.262	230.497
106.200	0.000	45.368	1.010	0.990	1215.260	229.957
106.400	0.000	45.335	1.009	0.991	1215.259	229.417
106.600	0.000	45.301	1.008	0.992	1215.258	228.878
106.800	0.000	45.268	1.006	0.994	1215.256	228.339
107.000	0.000	45.235	1.005	0.995	1215.255	227.800
107.200	0.000	45.201	1.004	0.996	1215.254	227.262
107.400	0.000	45.168	1.002	0.998	1215.252	226.724
107.600	0.000	45.134	1.001	0.999	1215.251	226.187
107.800	0.000	45.101	1.000	1.000	1215.250	225.650
108.000	0.000	45.067	0.998	1.002	1215.248	225.113
108.200	0.000	45.034	0.997	1.003	1215.247	224.577
108.400	0.000	45.000	0.996	1.004	1215.246	224.041
108.600	0.000	44.967	0.994	1.006	1215.244	223.506
108.800	0.000	44.933	0.993	1.007	1215.243	222.971
109.000	0.000	44.900	0.992	1.008	1215.242	222.436
109.200	0.000	44.866	0.990	1.010	1215.240	221.902
109.400	0.000	44.833	0.989	1.011	1215.239	221.368
109.600	0.000	44.799	0.988	1.012	1215.238	220.834
109.800	0.000	44.766	0.986	1.014	1215.236	220.301
110.000	0.000	44.732	0.985	1.015	1215.235	219.769
110.200	0.000	44.699	0.984	1.016	1215.234	219.236
110.400	0.000	44.665	0.982	1.018	1215.232	218.704
110.600	0.000	44.632	0.981	1.019	1215.231	218.173
110.800	0.000	44.598	0.979	1.021	1215.229	217.642
111.000	0.000	44.565	0.978	1.022	1215.228	217.111
111.200	0.000	44.531	0.977	1.023	1215.227	216.580
111.400	0.000	44.498	0.975	1.025	1215.225	216.050
111.600	0.000	44.464	0.974	1.026	1215.224	215.521
111.800	0.000	44.431	0.973	1.027	1215.223	214.992

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
112.000	0.000	44.397	0.971	1.029	1215.221	214.463
112.200	0.000	44.364	0.970	1.030	1215.220	213.934
112.400	0.000	44.330	0.969	1.031	1215.219	213.406
112.600	0.000	44.297	0.967	1.033	1215.217	212.879
112.800	0.000	44.263	0.966	1.034	1215.216	212.351
113.000	0.000	44.230	0.965	1.035	1215.215	211.825
113.200	0.000	44.196	0.963	1.037	1215.213	211.298
113.400	0.000	44.163	0.962	1.038	1215.212	210.772
113.600	0.000	44.129	0.961	1.039	1215.211	210.246
113.800	0.000	44.096	0.959	1.041	1215.209	209.721
114.000	0.000	44.062	0.958	1.042	1215.208	209.196
114.200	0.000	44.029	0.957	1.043	1215.207	208.671
114.400	0.000	43.995	0.955	1.045	1215.205	208.147
114.600	0.000	43.962	0.954	1.046	1215.204	207.624
114.800	0.000	43.928	0.953	1.047	1215.203	207.100
115.000	0.000	43.895	0.951	1.049	1215.201	206.577
115.200	0.000	43.861	0.950	1.050	1215.200	206.055
115.400	0.000	43.828	0.949	1.051	1215.199	205.532
115.600	0.000	43.794	0.947	1.053	1215.197	205.011
115.800	0.000	43.761	0.946	1.054	1215.196	204.489
116.000	0.000	43.727	0.945	1.055	1215.195	203.968
116.200	0.000	43.694	0.943	1.057	1215.193	203.448
116.400	0.000	43.660	0.942	1.058	1215.192	202.927
116.600	0.000	43.627	0.941	1.059	1215.191	202.407
116.800	0.000	43.593	0.939	1.061	1215.189	201.888
117.000	0.000	43.560	0.938	1.062	1215.188	201.369
117.200	0.000	43.527	0.937	1.063	1215.187	200.850
117.400	0.000	43.493	0.935	1.065	1215.185	200.332
117.600	0.000	43.460	0.934	1.066	1215.184	199.814
117.800	0.000	43.426	0.933	1.067	1215.183	199.296
118.000	0.000	43.393	0.931	1.069	1215.181	198.779
118.200	0.000	43.359	0.930	1.070	1215.180	198.263
118.400	0.000	43.326	0.929	1.071	1215.179	197.746
118.600	0.000	43.292	0.927	1.073	1215.177	197.230
118.800	0.000	43.259	0.926	1.074	1215.176	196.715
119.000	0.000	43.225	0.925	1.075	1215.175	196.199
119.200	0.000	43.192	0.923	1.077	1215.173	195.685
119.400	0.000	43.158	0.922	1.078	1215.172	195.170
119.600	0.000	43.125	0.921	1.079	1215.171	194.656
119.800	0.000	43.091	0.919	1.081	1215.169	194.143
120.000	0.000	43.058	0.918	1.082	1215.168	193.629
120.200	0.000	43.024	0.917	1.083	1215.167	193.116
120.400	0.000	42.991	0.915	1.085	1215.165	192.604
120.600	0.000	42.957	0.914	1.086	1215.164	192.092
120.800	0.000	42.924	0.913	1.087	1215.163	191.580
121.000	0.000	42.890	0.911	1.089	1215.161	191.069
121.200	0.000	42.857	0.910	1.090	1215.160	190.558
121.400	0.000	42.823	0.909	1.092	1215.159	190.047
121.600	0.000	42.790	0.907	1.093	1215.157	189.537
121.800	0.000	42.756	0.906	1.094	1215.156	189.027
122.000	0.000	42.723	0.904	1.096	1215.154	188.518
122.200	0.000	42.689	0.903	1.097	1215.153	188.009
122.400	0.000	42.656	0.902	1.098	1215.152	187.501
122.600	0.000	42.622	0.900	1.100	1215.150	186.992
122.800	0.000	42.589	0.899	1.101	1215.149	186.485
123.000	0.000	42.555	0.898	1.102	1215.148	185.977
123.200	0.000	42.522	0.896	1.104	1215.146	185.470
123.400	0.000	42.488	0.895	1.105	1215.145	184.963
123.600	0.000	42.455	0.894	1.106	1215.144	184.457
123.800	0.000	42.421	0.892	1.108	1215.142	183.951
124.000	0.000	42.388	0.891	1.109	1215.141	183.446
124.200	0.000	42.354	0.890	1.110	1215.140	182.941
124.400	0.000	42.321	0.888	1.112	1215.138	182.436
124.600	0.000	42.287	0.887	1.113	1215.137	181.932
124.800	0.000	42.254	0.886	1.114	1215.136	181.428
125.000	0.000	42.220	0.884	1.116	1215.134	180.924
125.200	0.000	42.187	0.883	1.117	1215.133	180.421
125.400	0.000	42.153	0.882	1.118	1215.132	179.918
125.600	0.000	42.120	0.880	1.120	1215.130	179.416
125.800	0.000	42.086	0.879	1.121	1215.129	178.914
126.000	0.000	42.053	0.878	1.122	1215.128	178.412
126.200	0.000	42.019	0.876	1.124	1215.126	177.911
126.400	0.000	41.986	0.875	1.125	1215.125	177.410
126.600	0.000	41.952	0.874	1.126	1215.124	176.910
126.800	0.000	41.919	0.872	1.128	1215.122	176.410
127.000	0.000	41.885	0.871	1.129	1215.121	175.910
127.200	0.000	41.852	0.870	1.130	1215.120	175.411
127.400	0.000	41.819	0.868	1.132	1215.118	174.912
127.600	0.000	41.785	0.867	1.133	1215.117	174.414
127.800	0.000	41.752	0.866	1.134	1215.116	173.916
128.000	0.000	41.718	0.864	1.136	1215.114	173.418
128.200	0.000	41.685	0.863	1.137	1215.113	172.921
128.400	0.000	41.651	0.862	1.138	1215.112	172.424

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
128.600	0.000	41.618	0.860	1.140	1215.110	171.927
128.800	0.000	41.584	0.859	1.141	1215.109	171.431
129.000	0.000	41.551	0.858	1.142	1215.108	170.935
129.200	0.000	41.517	0.856	1.144	1215.106	170.440
129.400	0.000	41.484	0.855	1.145	1215.105	169.945
129.600	0.000	41.450	0.854	1.146	1215.104	169.450
129.800	0.000	41.415	0.852	1.148	1215.102	168.956
130.000	0.000	41.376	0.851	1.149	1215.101	168.462
130.200	0.000	41.338	0.850	1.150	1215.100	167.969
130.400	0.000	41.299	0.848	1.152	1215.098	167.476
130.600	0.000	41.261	0.847	1.153	1215.097	166.983
130.800	0.000	41.222	0.846	1.154	1215.096	166.491
131.000	0.000	41.184	0.844	1.156	1215.094	165.999
131.200	0.000	41.145	0.843	1.157	1215.093	165.507
131.400	0.000	41.107	0.842	1.158	1215.092	165.016
131.600	0.000	41.068	0.840	1.160	1215.090	164.525
131.800	0.000	41.030	0.839	1.161	1215.089	164.035
132.000	0.000	40.991	0.838	1.162	1215.088	163.545
132.200	0.000	40.953	0.836	1.164	1215.086	163.056
132.400	0.000	40.914	0.835	1.165	1215.085	162.566
132.600	0.000	40.876	0.833	1.167	1215.083	162.078
132.800	0.000	40.837	0.832	1.168	1215.082	161.589
133.000	0.000	40.799	0.831	1.169	1215.081	161.101
133.200	0.000	40.760	0.829	1.171	1215.079	160.614
133.400	0.000	40.722	0.828	1.172	1215.078	160.126
133.600	0.000	40.683	0.827	1.173	1215.077	159.639
133.800	0.000	40.645	0.825	1.175	1215.075	159.153
134.000	0.000	40.606	0.824	1.176	1215.074	158.667
134.200	0.000	40.568	0.823	1.177	1215.073	158.181
134.400	0.000	40.529	0.821	1.179	1215.071	157.696
134.600	0.000	40.491	0.820	1.180	1215.070	157.211
134.800	0.000	40.452	0.819	1.181	1215.069	156.726
135.000	0.000	40.414	0.817	1.183	1215.067	156.242
135.200	0.000	40.375	0.816	1.184	1215.066	155.759
135.400	0.000	40.337	0.815	1.185	1215.065	155.275
135.600	0.000	40.298	0.813	1.187	1215.063	154.792
135.800	0.000	40.260	0.812	1.188	1215.062	154.310
136.000	0.000	40.221	0.811	1.189	1215.061	153.827
136.200	0.000	40.183	0.809	1.191	1215.059	153.346
136.400	0.000	40.144	0.808	1.192	1215.058	152.864
136.600	0.000	40.106	0.807	1.193	1215.057	152.383
136.800	0.000	40.067	0.805	1.195	1215.055	151.903
137.000	0.000	40.029	0.804	1.196	1215.054	151.422
137.200	0.000	39.990	0.803	1.197	1215.053	150.942
137.400	0.000	39.952	0.801	1.199	1215.051	150.463
137.600	0.000	39.913	0.800	1.200	1215.050	149.984
137.800	0.000	39.875	0.799	1.201	1215.049	149.505
138.000	0.000	39.836	0.797	1.203	1215.047	149.027
138.200	0.000	39.798	0.796	1.204	1215.046	148.549
138.400	0.000	39.759	0.795	1.205	1215.045	148.071
138.600	0.000	39.721	0.793	1.207	1215.043	147.594
138.800	0.000	39.682	0.792	1.208	1215.042	147.117
139.000	0.000	39.644	0.791	1.209	1215.041	146.641
139.200	0.000	39.605	0.789	1.211	1215.039	146.165
139.400	0.000	39.567	0.788	1.212	1215.038	145.689
139.600	0.000	39.528	0.787	1.213	1215.037	145.214
139.800	0.000	39.490	0.785	1.215	1215.035	144.739
140.000	0.000	39.451	0.784	1.216	1215.034	144.265
140.200	0.000	39.413	0.783	1.217	1215.033	143.791
140.400	0.000	39.374	0.781	1.219	1215.031	143.317
140.600	0.000	39.336	0.780	1.220	1215.030	142.844
140.800	0.000	39.297	0.779	1.221	1215.029	142.371
141.000	0.000	39.259	0.777	1.223	1215.027	141.898
141.200	0.000	39.220	0.776	1.224	1215.026	141.426
141.400	0.000	39.182	0.775	1.225	1215.025	140.954
141.600	0.000	39.143	0.773	1.227	1215.023	140.483
141.800	0.000	39.105	0.772	1.228	1215.022	140.012
142.000	0.000	39.067	0.771	1.229	1215.021	139.541
142.200	0.000	39.028	0.769	1.231	1215.019	139.071
142.400	0.000	38.990	0.768	1.232	1215.018	138.601
142.600	0.000	38.951	0.767	1.233	1215.017	138.132
142.800	0.000	38.913	0.765	1.235	1215.015	137.663
143.000	0.000	38.874	0.764	1.236	1215.014	137.194
143.200	0.000	38.836	0.763	1.238	1215.013	136.726
143.400	0.000	38.797	0.761	1.239	1215.011	136.258
143.600	0.000	38.759	0.760	1.240	1215.010	135.790
143.800	0.000	38.720	0.758	1.242	1215.008	135.323
144.000	0.000	38.682	0.757	1.243	1215.007	134.857
144.200	0.000	38.643	0.756	1.244	1215.006	134.390
144.400	0.000	38.605	0.754	1.246	1215.004	133.924
144.600	0.000	38.566	0.753	1.247	1215.003	133.459
144.800	0.000	38.528	0.752	1.248	1215.002	132.993
145.000	0.000	38.489	0.750	1.250	1215.000	132.529

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
145.200	0.000	38.451	0.749	1.251	1214.999	132.064
145.400	0.000	38.412	0.748	1.252	1214.998	131.600
145.600	0.000	38.374	0.746	1.254	1214.996	131.137
145.800	0.000	38.335	0.745	1.255	1214.995	130.673
146.000	0.000	38.297	0.744	1.256	1214.994	130.210
146.200	0.000	38.258	0.742	1.258	1214.992	129.748
146.400	0.000	38.220	0.741	1.259	1214.991	129.286
146.600	0.000	38.181	0.740	1.260	1214.990	128.824
146.800	0.000	38.143	0.738	1.262	1214.988	128.363
147.000	0.000	38.104	0.737	1.263	1214.987	127.902
147.200	0.000	38.066	0.736	1.264	1214.986	127.441
147.400	0.000	38.027	0.734	1.266	1214.984	126.981
147.600	0.000	37.989	0.733	1.267	1214.983	126.521
147.800	0.000	37.950	0.732	1.268	1214.982	126.062
148.000	0.000	37.912	0.730	1.270	1214.980	125.603
148.200	0.000	37.873	0.729	1.271	1214.979	125.144
148.400	0.000	37.835	0.728	1.272	1214.978	124.686
148.600	0.000	37.796	0.726	1.274	1214.976	124.228
148.800	0.000	37.758	0.725	1.275	1214.975	123.771
149.000	0.000	37.719	0.724	1.276	1214.974	123.314
149.200	0.000	37.681	0.722	1.278	1214.972	122.857
149.400	0.000	37.642	0.721	1.279	1214.971	122.401
149.600	0.000	37.604	0.720	1.280	1214.970	121.945
149.800	0.000	37.565	0.718	1.282	1214.968	121.489
150.000	0.000	37.527	0.717	1.283	1214.967	121.034
150.200	0.000	37.488	0.716	1.284	1214.966	120.579
150.400	0.000	37.450	0.714	1.286	1214.964	120.125
150.600	0.000	37.411	0.713	1.287	1214.963	119.671
150.800	0.000	37.373	0.712	1.288	1214.962	119.217
151.000	0.000	37.334	0.710	1.290	1214.960	118.764
151.200	0.000	37.296	0.709	1.291	1214.959	118.311
151.400	0.000	37.257	0.708	1.292	1214.958	117.859
151.600	0.000	37.219	0.706	1.294	1214.956	117.407
151.800	0.000	37.180	0.705	1.295	1214.955	116.955
152.000	0.000	37.142	0.704	1.296	1214.954	116.504
152.200	0.000	37.103	0.702	1.298	1214.952	116.053
152.400	0.000	37.065	0.701	1.299	1214.951	115.602
152.600	0.000	37.026	0.700	1.300	1214.950	115.152
152.800	0.000	36.988	0.698	1.302	1214.948	114.703
153.000	0.000	36.949	0.697	1.303	1214.947	114.253
153.200	0.000	36.911	0.696	1.304	1214.946	113.804
153.400	0.000	36.872	0.694	1.306	1214.944	113.356
153.600	0.000	36.834	0.693	1.307	1214.943	112.907
153.800	0.000	36.795	0.692	1.308	1214.942	112.460
154.000	0.000	36.757	0.690	1.310	1214.940	112.012
154.200	0.000	36.718	0.689	1.311	1214.939	111.565
154.400	0.000	36.680	0.687	1.313	1214.937	111.118
154.600	0.000	36.641	0.686	1.314	1214.936	110.672
154.800	0.000	36.603	0.685	1.315	1214.935	110.226
155.000	0.000	36.564	0.683	1.317	1214.933	109.781
155.200	0.000	36.526	0.682	1.318	1214.932	109.336
155.400	0.000	36.487	0.681	1.319	1214.931	108.891
155.600	0.000	36.449	0.679	1.321	1214.929	108.447
155.800	0.000	36.410	0.678	1.322	1214.928	108.003
156.000	0.000	36.372	0.677	1.323	1214.927	107.559
156.200	0.000	36.333	0.675	1.325	1214.925	107.116
156.400	0.000	36.295	0.674	1.326	1214.924	106.673
156.600	0.000	36.256	0.673	1.327	1214.923	106.231
156.800	0.000	36.218	0.671	1.329	1214.921	105.789
157.000	0.000	36.179	0.670	1.330	1214.920	105.347
157.200	0.000	36.141	0.669	1.331	1214.919	104.906
157.400	0.000	36.102	0.667	1.333	1214.917	104.465
157.600	0.000	36.064	0.666	1.334	1214.916	104.024
157.800	0.000	36.025	0.665	1.335	1214.915	103.584
158.000	0.000	35.987	0.663	1.337	1214.913	103.144
158.200	0.000	35.948	0.662	1.338	1214.912	102.705
158.400	0.000	35.910	0.661	1.339	1214.911	102.266
158.600	0.000	35.871	0.659	1.341	1214.909	101.828
158.800	0.000	35.833	0.658	1.342	1214.908	101.389
159.000	0.000	35.794	0.657	1.343	1214.907	100.952
159.200	0.000	35.756	0.655	1.345	1214.905	100.514
159.400	0.000	35.717	0.654	1.346	1214.904	100.077
159.600	0.000	35.679	0.653	1.347	1214.903	99.640
159.800	0.000	35.640	0.651	1.349	1214.901	99.204
160.000	0.000	35.602	0.650	1.350	1214.900	98.768
160.200	0.000	35.563	0.649	1.351	1214.899	98.333
160.400	0.000	35.525	0.647	1.353	1214.897	97.898
160.600	0.000	35.486	0.646	1.354	1214.896	97.463
160.800	0.000	35.448	0.645	1.355	1214.895	97.029
161.000	0.000	35.409	0.643	1.357	1214.893	96.595
161.200	0.000	35.371	0.642	1.358	1214.892	96.161
161.400	0.000	35.333	0.641	1.359	1214.891	95.728
161.600	0.000	35.293	0.639	1.361	1214.889	95.295

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
161.800	0.000	35.246	0.638	1.362	1214.888	94.863
162.000	0.000	35.200	0.637	1.363	1214.887	94.431
162.200	0.000	35.153	0.635	1.365	1214.885	93.999
162.400	0.000	35.106	0.634	1.366	1214.884	93.568
162.600	0.000	35.059	0.633	1.367	1214.883	93.137
162.800	0.000	35.012	0.631	1.369	1214.881	92.707
163.000	0.000	34.966	0.630	1.370	1214.880	92.276
163.200	0.000	34.919	0.629	1.371	1214.879	91.847
163.400	0.000	34.872	0.627	1.373	1214.877	91.417
163.600	0.000	34.825	0.626	1.374	1214.876	90.988
163.800	0.000	34.779	0.625	1.375	1214.875	90.560
164.000	0.000	34.732	0.623	1.377	1214.873	90.132
164.200	0.000	34.685	0.622	1.378	1214.872	89.704
164.400	0.000	34.638	0.621	1.379	1214.871	89.277
164.600	0.000	34.591	0.619	1.381	1214.869	88.849
164.800	0.000	34.545	0.618	1.382	1214.868	88.423
165.000	0.000	34.498	0.617	1.384	1214.867	87.997
165.200	0.000	34.451	0.615	1.385	1214.865	87.571
165.400	0.000	34.404	0.614	1.386	1214.864	87.145
165.600	0.000	34.358	0.612	1.388	1214.862	86.720
165.800	0.000	34.311	0.611	1.389	1214.861	86.295
166.000	0.000	34.264	0.610	1.390	1214.860	85.871
166.200	0.000	34.217	0.608	1.392	1214.858	85.447
166.400	0.000	34.171	0.607	1.393	1214.857	85.024
166.600	0.000	34.124	0.606	1.394	1214.856	84.600
166.800	0.000	34.077	0.604	1.396	1214.854	84.178
167.000	0.000	34.030	0.603	1.397	1214.853	83.755
167.200	0.000	33.983	0.602	1.398	1214.852	83.333
167.400	0.000	33.937	0.600	1.400	1214.850	82.912
167.600	0.000	33.890	0.599	1.401	1214.849	82.490
167.800	0.000	33.843	0.598	1.402	1214.848	82.069
168.000	0.000	33.796	0.596	1.404	1214.846	81.649
168.200	0.000	33.750	0.595	1.405	1214.845	81.229
168.400	0.000	33.703	0.594	1.406	1214.844	80.809
168.600	0.000	33.656	0.592	1.408	1214.842	80.390
168.800	0.000	33.609	0.591	1.409	1214.841	79.971
169.000	0.000	33.562	0.590	1.410	1214.840	79.552
169.200	0.000	33.516	0.588	1.412	1214.838	79.134
169.400	0.000	33.469	0.587	1.413	1214.837	78.716
169.600	0.000	33.422	0.586	1.414	1214.836	78.299
169.800	0.000	33.375	0.584	1.416	1214.834	77.882
170.000	0.000	33.329	0.583	1.417	1214.833	77.465
170.200	0.000	33.282	0.582	1.418	1214.832	77.049
170.400	0.000	33.235	0.580	1.420	1214.830	76.633
170.600	0.000	33.188	0.579	1.421	1214.829	76.217
170.800	0.000	33.141	0.578	1.422	1214.828	75.802
171.000	0.000	33.095	0.576	1.424	1214.826	75.388
171.200	0.000	33.048	0.575	1.425	1214.825	74.973
171.400	0.000	33.001	0.574	1.426	1214.824	74.559
171.600	0.000	32.954	0.572	1.428	1214.822	74.146
171.800	0.000	32.908	0.571	1.429	1214.821	73.733
172.000	0.000	32.861	0.570	1.430	1214.820	73.320
172.200	0.000	32.814	0.568	1.432	1214.818	72.907
172.400	0.000	32.767	0.567	1.433	1214.817	72.495
172.600	0.000	32.721	0.566	1.434	1214.816	72.084
172.800	0.000	32.674	0.564	1.436	1214.814	71.672
173.000	0.000	32.627	0.563	1.437	1214.813	71.261
173.200	0.000	32.580	0.562	1.438	1214.812	70.851
173.400	0.000	32.533	0.560	1.440	1214.810	70.441
173.600	0.000	32.487	0.559	1.441	1214.809	70.031
173.800	0.000	32.440	0.558	1.442	1214.808	69.622
174.000	0.000	32.393	0.556	1.444	1214.806	69.213
174.200	0.000	32.346	0.555	1.445	1214.805	68.804
174.400	0.000	32.300	0.554	1.446	1214.804	68.396
174.600	0.000	32.253	0.552	1.448	1214.802	67.988
174.800	0.000	32.206	0.551	1.449	1214.801	67.581
175.000	0.000	32.159	0.550	1.450	1214.800	67.174
175.200	0.000	32.112	0.548	1.452	1214.798	66.769
175.400	0.000	32.066	0.547	1.453	1214.797	66.368
175.600	0.000	32.019	0.546	1.454	1214.796	65.969
175.800	0.000	31.972	0.544	1.456	1214.794	65.574
176.000	0.000	31.925	0.543	1.457	1214.793	65.182
176.200	0.000	31.879	0.541	1.459	1214.791	64.792
176.400	0.000	31.832	0.540	1.460	1214.790	64.406
176.600	0.000	31.785	0.539	1.461	1214.789	64.023
176.800	0.000	31.738	0.537	1.463	1214.787	63.642
177.000	0.000	31.691	0.536	1.464	1214.786	63.265
177.200	0.000	31.645	0.535	1.465	1214.785	62.891
177.400	0.000	31.598	0.533	1.467	1214.783	62.519
177.600	0.000	31.551	0.532	1.468	1214.782	62.151
177.800	0.000	31.504	0.531	1.469	1214.781	61.786
178.000	0.000	31.458	0.529	1.471	1214.779	61.424
178.200	0.000	31.411	0.528	1.472	1214.778	61.064

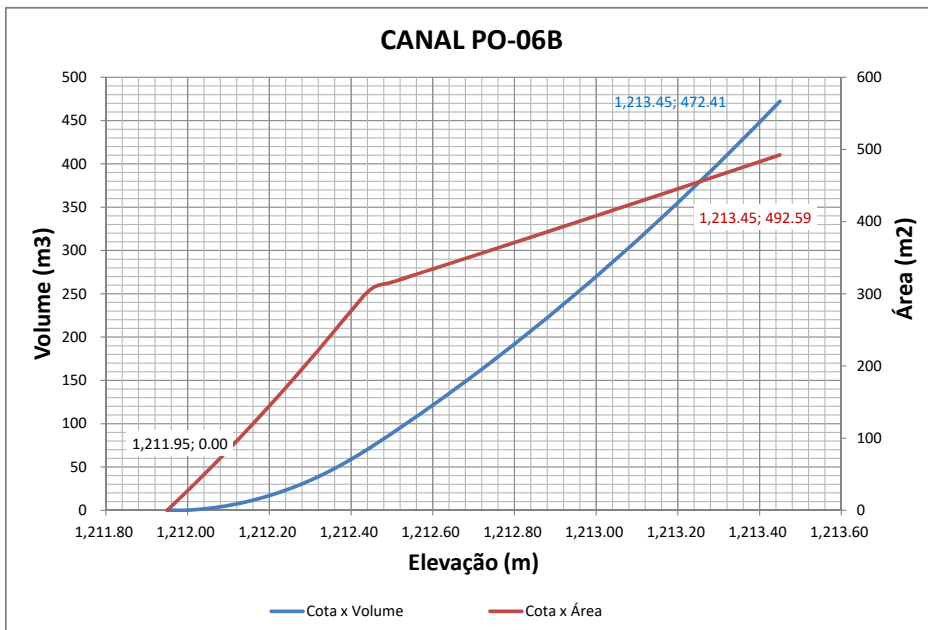
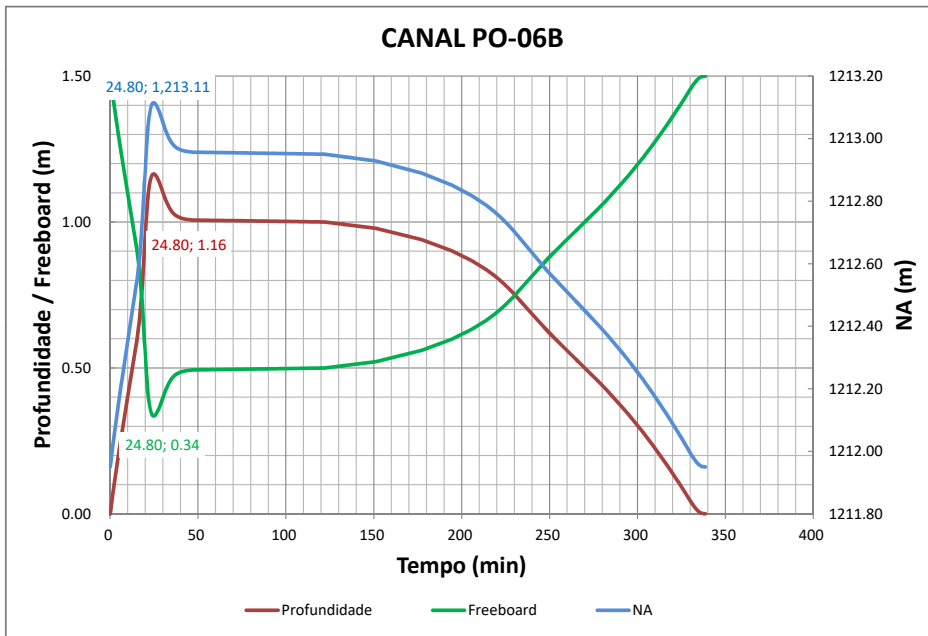
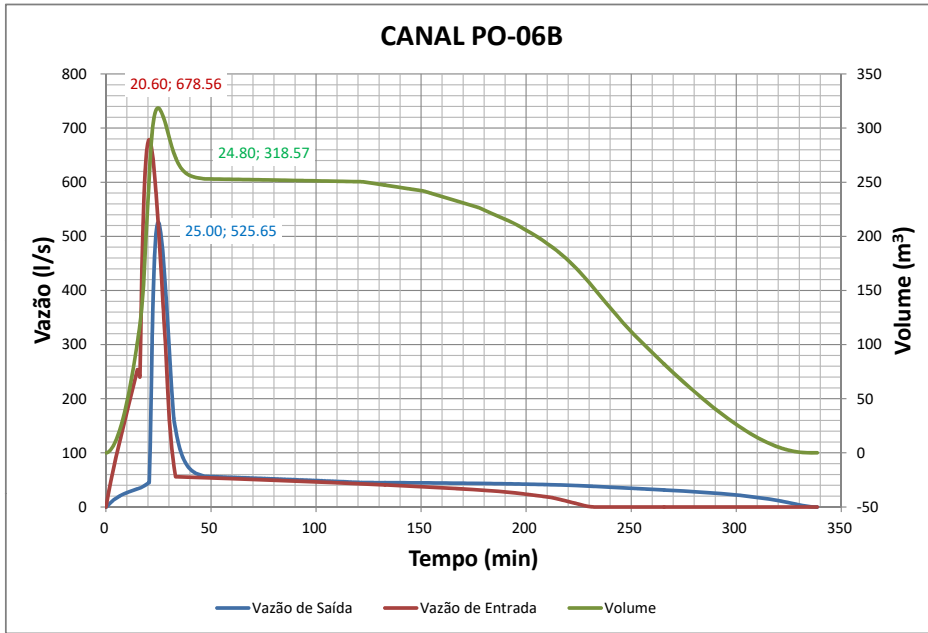
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
178.400	0.000	31.364	0.527	1.473	1214.777	60.688
178.600	0.000	31.312	0.525	1.475	1214.775	60.296
178.800	0.000	31.260	0.524	1.476	1214.774	59.908
179.000	0.000	31.208	0.522	1.478	1214.772	59.523
179.200	0.000	31.156	0.521	1.479	1214.771	59.142
179.400	0.000	31.104	0.519	1.481	1214.769	58.765
179.600	0.000	31.052	0.518	1.482	1214.768	58.392
179.800	0.000	31.000	0.516	1.484	1214.766	58.022
180.000	0.000	30.948	0.515	1.485	1214.765	57.656
180.200	0.000	30.896	0.513	1.487	1214.763	57.294
180.400	0.000	30.844	0.512	1.488	1214.762	56.935
180.600	0.000	30.792	0.510	1.490	1214.760	56.580
180.800	0.000	30.740	0.509	1.491	1214.759	56.212
181.000	0.000	30.683	0.507	1.493	1214.757	55.830
181.200	0.000	30.626	0.505	1.495	1214.755	55.452
181.400	0.000	30.569	0.504	1.496	1214.754	55.080
181.600	0.000	30.512	0.502	1.498	1214.752	54.711
181.800	0.000	30.455	0.501	1.499	1214.751	54.348
182.000	0.000	30.397	0.499	1.501	1214.749	53.988
182.200	0.000	30.340	0.497	1.503	1214.747	53.629
182.400	0.000	30.283	0.496	1.504	1214.746	53.272
182.600	0.000	30.226	0.494	1.506	1214.744	52.915
182.800	0.000	30.169	0.492	1.508	1214.742	52.560
183.000	0.000	30.112	0.491	1.509	1214.741	52.207
183.200	0.000	30.054	0.489	1.511	1214.739	51.854
183.400	0.000	29.997	0.487	1.513	1214.737	51.503
183.600	0.000	29.940	0.486	1.514	1214.736	51.152
183.800	0.000	29.883	0.484	1.516	1214.734	50.803
184.000	0.000	29.826	0.483	1.517	1214.733	50.456
184.200	0.000	29.769	0.481	1.519	1214.731	50.109
184.400	0.000	29.711	0.479	1.521	1214.729	49.764
184.600	0.000	29.654	0.478	1.522	1214.728	49.419
184.800	0.000	29.597	0.476	1.524	1214.726	49.076
185.000	0.000	29.540	0.474	1.526	1214.724	48.735
185.200	0.000	29.483	0.473	1.527	1214.723	48.394
185.400	0.000	29.426	0.471	1.529	1214.721	48.055
185.600	0.000	29.368	0.469	1.531	1214.719	47.716
185.800	0.000	29.311	0.468	1.532	1214.718	47.379
186.000	0.000	29.254	0.466	1.534	1214.716	47.044
186.200	0.000	29.194	0.464	1.536	1214.714	46.709
186.400	0.000	29.132	0.463	1.537	1214.713	46.315
186.600	0.000	29.070	0.461	1.539	1214.711	45.953
186.800	0.000	29.007	0.459	1.541	1214.709	45.592
187.000	0.000	28.945	0.457	1.543	1214.707	45.233
187.200	0.000	28.882	0.455	1.545	1214.705	44.875
187.400	0.000	28.820	0.454	1.546	1214.704	44.519
187.600	0.000	28.758	0.452	1.548	1214.702	44.164
187.800	0.000	28.695	0.450	1.550	1214.700	43.810
188.000	0.000	28.633	0.448	1.552	1214.698	43.458
188.200	0.000	28.571	0.447	1.553	1214.697	43.108
188.400	0.000	28.508	0.445	1.555	1214.695	42.758
188.600	0.000	28.446	0.443	1.557	1214.693	42.411
188.800	0.000	28.384	0.441	1.559	1214.691	42.064
189.000	0.000	28.321	0.439	1.561	1214.689	41.719
189.200	0.000	28.259	0.438	1.562	1214.688	41.376
189.400	0.000	28.196	0.436	1.564	1214.686	41.034
189.600	0.000	28.134	0.434	1.566	1214.684	40.693
189.800	0.000	28.072	0.432	1.568	1214.682	40.354
190.000	0.000	28.009	0.430	1.570	1214.680	40.016
190.200	0.000	27.947	0.429	1.571	1214.679	39.679
190.400	0.000	27.885	0.427	1.573	1214.677	39.344
190.600	0.000	27.812	0.425	1.575	1214.675	39.011
190.800	0.000	27.725	0.423	1.577	1214.673	38.679
191.000	0.000	27.638	0.422	1.578	1214.672	38.348
191.200	0.000	27.551	0.420	1.580	1214.670	38.019
191.400	0.000	27.464	0.418	1.582	1214.668	37.691
191.600	0.000	27.377	0.416	1.584	1214.666	37.365
191.800	0.000	27.291	0.414	1.586	1214.664	37.040
192.000	0.000	27.204	0.413	1.587	1214.663	36.716
192.200	0.000	27.117	0.411	1.589	1214.661	36.394
192.400	0.000	27.030	0.409	1.591	1214.659	36.073
192.600	0.000	26.943	0.407	1.593	1214.657	35.754
192.800	0.000	26.856	0.405	1.595	1214.655	35.436
193.000	0.000	26.769	0.404	1.596	1214.654	35.120
193.200	0.000	26.682	0.402	1.598	1214.652	34.805
193.400	0.000	26.595	0.400	1.600	1214.650	34.491
193.600	0.000	26.508	0.398	1.602	1214.648	34.179
193.800	0.000	26.421	0.397	1.603	1214.647	33.869
194.000	0.000	26.335	0.395	1.605	1214.645	33.559
194.200	0.000	26.248	0.393	1.607	1214.643	33.252
194.400	0.000	26.161	0.391	1.609	1214.641	32.945
194.600	0.000	26.074	0.389	1.611	1214.639	32.640
194.800	0.000	25.987	0.388	1.612	1214.638	32.337

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
195.000	0.000	25.900	0.386	1.614	1214.636	32.034
195.200	0.000	25.813	0.384	1.616	1214.634	31.734
195.400	0.000	25.726	0.382	1.618	1214.632	31.434
195.600	0.000	25.639	0.380	1.620	1214.630	31.136
195.800	0.000	25.552	0.379	1.621	1214.629	30.840
196.000	0.000	25.466	0.377	1.623	1214.627	30.545
196.200	0.000	25.379	0.375	1.625	1214.625	30.251
196.400	0.000	25.292	0.373	1.627	1214.623	29.959
196.600	0.000	25.205	0.372	1.628	1214.622	29.668
196.800	0.000	25.118	0.370	1.630	1214.620	29.379
197.000	0.000	25.027	0.368	1.632	1214.618	29.067
197.200	0.000	24.933	0.366	1.634	1214.616	28.757
197.400	0.000	24.839	0.364	1.636	1214.614	28.448
197.600	0.000	24.745	0.362	1.638	1214.612	28.141
197.800	0.000	24.651	0.360	1.640	1214.610	27.836
198.000	0.000	24.557	0.358	1.642	1214.608	27.532
198.200	0.000	24.462	0.356	1.644	1214.606	27.230
198.400	0.000	24.368	0.354	1.646	1214.604	26.930
198.600	0.000	24.274	0.352	1.648	1214.602	26.631
198.800	0.000	24.180	0.350	1.650	1214.600	26.335
199.000	0.000	24.086	0.348	1.652	1214.598	26.039
199.200	0.000	23.992	0.347	1.653	1214.597	25.746
199.400	0.000	23.898	0.345	1.655	1214.595	25.454
199.600	0.000	23.803	0.343	1.657	1214.593	25.164
199.800	0.000	23.709	0.341	1.659	1214.591	24.875
200.000	0.000	23.615	0.339	1.661	1214.589	24.588
200.200	0.000	23.521	0.337	1.663	1214.587	24.303
200.400	0.000	23.427	0.335	1.665	1214.585	24.019
200.600	0.000	23.333	0.333	1.667	1214.583	23.738
200.800	0.000	23.239	0.331	1.669	1214.581	23.457
201.000	0.000	23.144	0.329	1.671	1214.579	23.179
201.200	0.000	23.050	0.327	1.673	1214.577	22.902
201.400	0.000	22.956	0.325	1.675	1214.575	22.627
201.600	0.000	22.862	0.323	1.677	1214.573	22.354
201.800	0.000	22.768	0.321	1.679	1214.571	22.082
202.000	0.000	22.674	0.319	1.681	1214.569	21.812
202.200	0.000	22.579	0.318	1.683	1214.568	21.543
202.400	0.000	22.485	0.316	1.684	1214.566	21.277
202.600	0.000	22.391	0.314	1.686	1214.564	21.012
202.800	0.000	22.297	0.312	1.688	1214.562	20.748
203.000	0.000	22.203	0.310	1.690	1214.560	20.486
203.200	0.000	22.109	0.308	1.692	1214.558	20.226
203.400	0.000	22.015	0.306	1.694	1214.556	19.968
203.600	0.000	21.920	0.304	1.696	1214.554	19.711
203.800	0.000	21.826	0.302	1.698	1214.552	19.456
204.000	0.000	21.732	0.300	1.700	1214.550	19.203
204.200	0.000	21.638	0.298	1.702	1214.548	18.951
204.400	0.000	21.544	0.296	1.704	1214.546	18.701
204.600	0.000	21.450	0.294	1.706	1214.544	18.453
204.800	0.000	21.356	0.292	1.708	1214.542	18.197
205.000	0.000	21.254	0.290	1.710	1214.540	17.933
205.200	0.000	21.153	0.288	1.712	1214.538	17.672
205.400	0.000	21.051	0.286	1.714	1214.536	17.412
205.600	0.000	20.950	0.284	1.716	1214.534	17.154
205.800	0.000	20.849	0.282	1.718	1214.532	16.898
206.000	0.000	20.747	0.280	1.720	1214.530	16.644
206.200	0.000	20.646	0.278	1.722	1214.528	16.392
206.400	0.000	20.544	0.276	1.724	1214.526	16.142
206.600	0.000	20.443	0.274	1.726	1214.524	15.893
206.800	0.000	20.342	0.271	1.729	1214.521	15.647
207.000	0.000	20.240	0.269	1.731	1214.519	15.403
207.200	0.000	20.139	0.267	1.733	1214.517	15.160
207.400	0.000	20.037	0.265	1.735	1214.515	14.920
207.600	0.000	19.936	0.263	1.737	1214.513	14.681
207.800	0.000	19.835	0.261	1.739	1214.511	14.445
208.000	0.000	19.733	0.259	1.741	1214.509	14.210
208.200	0.000	19.632	0.257	1.743	1214.507	13.977
208.400	0.000	19.530	0.255	1.745	1214.505	13.747
208.600	0.000	19.429	0.253	1.747	1214.503	13.518
208.800	0.000	19.328	0.251	1.749	1214.501	13.291
209.000	0.000	19.226	0.249	1.751	1214.499	13.066
209.200	0.000	19.125	0.246	1.754	1214.496	12.843
209.400	0.000	19.024	0.244	1.756	1214.494	12.622
209.600	0.000	18.922	0.242	1.758	1214.492	12.395
209.800	0.000	18.813	0.240	1.760	1214.490	12.162
210.000	0.000	18.705	0.238	1.762	1214.488	11.932
210.200	0.000	18.596	0.236	1.765	1214.486	11.703
210.400	0.000	18.488	0.233	1.767	1214.483	11.477
210.600	0.000	18.379	0.231	1.769	1214.481	11.254
210.800	0.000	18.270	0.229	1.771	1214.479	11.032
211.000	0.000	18.162	0.227	1.773	1214.477	10.813
211.200	0.000	18.053	0.224	1.776	1214.474	10.596
211.400	0.000	17.944	0.222	1.778	1214.472	10.381

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
211.600	0.000	17.836	0.220	1.780	1214.470	10.168
211.800	0.000	17.727	0.218	1.782	1214.468	9.958
212.000	0.000	17.619	0.215	1.785	1214.465	9.750
212.200	0.000	17.510	0.213	1.787	1214.463	9.544
212.400	0.000	17.357	0.211	1.789	1214.461	9.340
212.600	0.000	17.174	0.209	1.791	1214.459	9.138
212.800	0.000	16.991	0.206	1.794	1214.456	8.939
213.000	0.000	16.809	0.204	1.796	1214.454	8.742
213.200	0.000	16.626	0.202	1.798	1214.452	8.547
213.400	0.000	16.443	0.200	1.800	1214.450	8.354
213.600	0.000	16.261	0.198	1.802	1214.448	8.164
213.800	0.000	16.078	0.195	1.805	1214.445	7.976
214.000	0.000	15.895	0.193	1.807	1214.443	7.790
214.200	0.000	15.712	0.191	1.809	1214.441	7.606
214.400	0.000	15.530	0.189	1.811	1214.439	7.424
214.600	0.000	15.347	0.186	1.814	1214.436	7.245
214.800	0.000	15.164	0.184	1.816	1214.434	7.068
215.000	0.000	14.982	0.182	1.818	1214.432	6.893
215.200	0.000	14.799	0.180	1.820	1214.430	6.720
215.400	0.000	14.616	0.177	1.823	1214.427	6.549
215.600	0.000	14.434	0.175	1.825	1214.425	6.381
215.800	0.000	14.251	0.173	1.827	1214.423	6.215
216.000	0.000	14.068	0.171	1.829	1214.421	6.051
216.200	0.000	13.885	0.169	1.831	1214.419	5.889
216.400	0.000	13.703	0.166	1.834	1214.416	5.730
216.600	0.000	13.520	0.164	1.836	1214.414	5.572
216.800	0.000	13.337	0.162	1.838	1214.412	5.417
217.000	0.000	13.155	0.160	1.840	1214.410	5.264
217.200	0.000	12.972	0.157	1.843	1214.407	5.113
217.400	0.000	12.789	0.155	1.845	1214.405	4.960
217.600	0.000	12.594	0.153	1.847	1214.403	4.804
217.800	0.000	12.399	0.150	1.850	1214.400	4.651
218.000	0.000	12.205	0.148	1.852	1214.398	4.500
218.200	0.000	12.010	0.146	1.854	1214.396	4.351
218.400	0.000	11.815	0.143	1.857	1214.393	4.206
218.600	0.000	11.620	0.141	1.859	1214.391	4.062
218.800	0.000	11.425	0.138	1.862	1214.388	3.922
219.000	0.000	11.230	0.136	1.864	1214.386	3.783
219.200	0.000	11.035	0.134	1.866	1214.384	3.648
219.400	0.000	10.840	0.131	1.869	1214.381	3.514
219.600	0.000	10.646	0.129	1.871	1214.379	3.384
219.800	0.000	10.451	0.126	1.874	1214.376	3.256
220.000	0.000	10.256	0.124	1.876	1214.374	3.130
220.200	0.000	10.061	0.122	1.878	1214.372	3.007
220.400	0.000	9.866	0.119	1.881	1214.369	2.886
220.600	0.000	9.671	0.117	1.883	1214.367	2.768
220.800	0.000	9.476	0.115	1.885	1214.365	2.653
221.000	0.000	9.281	0.112	1.888	1214.362	2.540
221.200	0.000	9.086	0.110	1.890	1214.360	2.429
221.400	0.000	8.892	0.107	1.893	1214.357	2.321
221.600	0.000	8.697	0.105	1.895	1214.355	2.216
221.800	0.000	8.502	0.103	1.897	1214.353	2.113
222.000	0.000	8.307	0.100	1.900	1214.350	2.013
222.200	0.000	8.112	0.098	1.902	1214.348	1.915
222.400	0.000	7.917	0.096	1.904	1214.346	1.820
222.600	0.000	7.722	0.093	1.907	1214.343	1.727
222.800	0.000	7.527	0.091	1.909	1214.341	1.636
223.000	0.000	7.332	0.088	1.912	1214.338	1.549
223.200	0.000	7.138	0.086	1.914	1214.336	1.463
223.400	0.000	6.943	0.084	1.916	1214.334	1.381
223.600	0.000	6.748	0.081	1.919	1214.331	1.300
223.800	0.000	6.553	0.079	1.921	1214.329	1.223
224.000	0.000	6.358	0.076	1.924	1214.326	1.148
224.200	0.000	6.163	0.074	1.926	1214.324	1.075
224.400	0.000	5.968	0.072	1.928	1214.322	1.005
224.600	0.000	5.773	0.069	1.931	1214.319	0.937
224.800	0.000	5.579	0.067	1.933	1214.317	0.872
225.000	0.000	5.384	0.064	1.936	1214.314	0.808
225.200	0.000	5.177	0.062	1.938	1214.312	0.744
225.400	0.000	4.970	0.059	1.941	1214.309	0.683
225.600	0.000	4.762	0.057	1.943	1214.307	0.625
225.800	0.000	4.555	0.054	1.946	1214.304	0.570
226.000	0.000	4.348	0.052	1.948	1214.302	0.518
226.200	0.000	4.141	0.049	1.951	1214.299	0.469
226.400	0.000	3.934	0.047	1.953	1214.297	0.422
226.600	0.000	3.727	0.044	1.956	1214.294	0.377
226.800	0.000	3.520	0.042	1.958	1214.292	0.337
227.000	0.000	3.325	0.039	1.961	1214.289	0.299
227.200	0.000	3.130	0.037	1.963	1214.287	0.264
227.400	0.000	2.935	0.035	1.965	1214.285	0.231
227.600	0.000	2.747	0.032	1.968	1214.282	0.203
227.800	0.000	2.564	0.030	1.970	1214.280	0.176
228.000	0.000	2.381	0.028	1.972	1214.278	0.151

CANAL PO-06A - V002

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
228.200	0.000	2.205	0.026	1.974	1214.276	0.129
228.400	0.000	2.034	0.024	1.976	1214.274	0.109
228.600	0.000	1.864	0.022	1.978	1214.272	0.091
228.800	0.000	1.705	0.020	1.980	1214.270	0.076
229.000	0.000	1.547	0.018	1.982	1214.268	0.062
229.200	0.000	1.401	0.016	1.984	1214.266	0.051
229.400	0.000	1.261	0.015	1.985	1214.265	0.041
229.600	0.000	1.127	0.013	1.987	1214.263	0.033
229.800	0.000	1.005	0.012	1.988	1214.262	0.026
230.000	0.000	0.889	0.010	1.990	1214.260	0.020
230.200	0.000	0.780	0.009	1.991	1214.259	0.015
230.400	0.000	0.682	0.008	1.992	1214.258	0.011
230.600	0.000	0.591	0.007	1.993	1214.257	0.009
230.800	0.000	0.505	0.006	1.994	1214.256	0.006
231.000	0.000	0.432	0.005	1.995	1214.255	0.004
231.200	0.000	0.365	0.004	1.996	1214.254	0.003
231.400	0.000	0.305	0.003	1.997	1214.253	0.002
231.600	0.000	0.256	0.003	1.997	1214.253	0.002
231.800	0.000	0.213	0.002	1.998	1214.252	0.001
232.000	0.000	0.177	0.002	1.998	1214.252	0.001
232.200	0.000	0.146	0.002	1.998	1214.252	0.001
232.400	0.000	0.122	0.001	1.999	1214.251	0.000
232.600	0.000	0.097	0.001	1.999	1214.251	0.000
232.800	0.000	0.079	0.001	1.999	1214.251	0.000
233.000	0.000	0.067	0.001	1.999	1214.251	0.000
233.200	0.000	0.055	0.001	1.999	1214.251	0.000
233.400	0.000	0.043	0.000	2.000	1214.250	0.000
233.600	0.000	0.030	0.000	2.000	1214.250	0.000
233.800	0.000	0.024	0.000	2.000	1214.250	0.000
234.000	0.000	0.024	0.000	2.000	1214.250	0.000
234.200	0.000	0.024	0.000	2.000	1214.250	0.000





ARQUITETURA + URBANISMO
CLN nº 01.818.900 - CEP 70.743-900
BRASILIA - DF - FONE: 01 3214 3700

CANAL: PO-06B

DATA: 18.12.2019

IMPULSO DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)	1213.450		
VAZÃO DE ENTRADA MAX. (l/s)	20.60	678.559	COTA DE FUNDO JUSANTE (m)	1211.950		
VAZÃO DE SAÍDA MAX. (l/s)	25.00	525.654	COTA VERTEDOIRO (m)	1212.950		
PROFUNDIDADE MAX. (m)	24.80	1.164	COTA DO ORIFÍCIO (m)	1211.950		
FREEBOARD MIN. (m)	24.80	0.336	VERTEDOIRO DE CONTROLE (cm)	-		
NA MAX. (m)	24.80	1,213.114	VERTEDOIRO DE DESCARGA (cm)	400.00		
VOLUME MAX (m³)	24.80	318.57	DRENO DE FUNDO 3X Ø (mm)	150.00		
VOLUME TOTAL (m³)		472.41	COEF. DE DESCARGA DO VERTEDOIRO	1.660		
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO	0.130		
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1211.950	0.000
0.200	3.001	0.077	0.004	1.496	1211.954	0.003
0.400	7.269	0.644	0.012	1.488	1211.962	0.039
0.600	11.641	1.422	0.021	1.479	1211.971	0.124
0.800	16.000	2.239	0.031	1.469	1211.981	0.259
1.000	20.226	3.055	0.040	1.460	1211.990	0.443
1.200	24.390	3.872	0.050	1.450	1212.000	0.676
1.400	28.524	4.688	0.059	1.441	1212.009	0.957
1.600	32.646	5.486	0.069	1.431	1212.019	1.277
1.800	36.756	6.264	0.078	1.422	1212.028	1.638
2.000	40.866	7.029	0.086	1.414	1212.036	2.037
2.200	44.963	7.782	0.095	1.405	1212.045	2.476
2.400	49.061	8.535	0.104	1.396	1212.054	2.958
2.600	52.773	9.281	0.113	1.387	1212.063	3.475
2.800	56.293	10.015	0.121	1.379	1212.071	4.026
3.000	59.816	10.736	0.129	1.371	1212.079	4.607
3.200	63.343	11.450	0.138	1.362	1212.088	5.223
3.400	66.870	12.152	0.146	1.354	1212.096	5.872
3.600	70.397	12.853	0.154	1.346	1212.104	6.560
3.800	73.925	13.414	0.162	1.338	1212.112	7.274
4.000	77.452	13.912	0.170	1.330	1212.120	8.027
4.200	80.979	14.411	0.178	1.322	1212.128	8.818
4.400	84.506	14.909	0.186	1.314	1212.136	9.648
4.600	88.033	15.407	0.194	1.306	1212.144	10.517
4.800	91.560	15.905	0.202	1.298	1212.152	11.423
5.000	94.966	16.403	0.210	1.290	1212.160	12.361
5.200	98.254	16.892	0.218	1.282	1212.168	13.328
5.400	101.545	17.381	0.226	1.274	1212.176	14.333
5.600	104.836	17.870	0.234	1.266	1212.184	15.376
5.800	108.127	18.359	0.242	1.258	1212.192	16.447
6.000	111.384	18.838	0.249	1.251	1212.199	17.545
6.200	114.600	19.318	0.257	1.243	1212.207	18.680
6.400	117.784	19.798	0.265	1.235	1212.215	19.853
6.600	120.958	20.278	0.273	1.227	1212.223	21.064
6.800	124.148	20.753	0.280	1.220	1212.230	22.288
7.000	127.348	21.223	0.288	1.212	1212.238	23.549
7.200	130.558	21.694	0.295	1.205	1212.245	24.846
7.400	133.779	22.164	0.303	1.197	1212.253	26.179
7.600	136.980	22.596	0.311	1.189	1212.261	27.550
7.800	140.116	22.921	0.318	1.182	1212.268	28.958
8.000	143.261	23.245	0.326	1.174	1212.276	30.404
8.200	146.415	23.567	0.333	1.167	1212.283	31.858
8.400	149.575	23.885	0.341	1.159	1212.291	33.347
8.600	152.741	24.204	0.348	1.152	1212.298	34.873
8.800	155.916	24.522	0.356	1.144	1212.306	36.435
9.000	159.096	24.840	0.363	1.137	1212.313	38.034
9.200	162.284	25.159	0.370	1.130	1212.320	39.669
9.400	165.476	25.477	0.378	1.122	1212.328	41.342
9.600	168.674	25.795	0.385	1.115	1212.335	43.052
9.800	171.879	26.114	0.393	1.107	1212.343	44.799
10.000	175.084	26.432	0.400	1.100	1212.350	46.582
10.200	178.227	26.750	0.408	1.092	1212.358	48.403
10.400	181.376	27.069	0.415	1.085	1212.365	50.262
10.600	184.528	27.387	0.422	1.078	1212.372	52.140
10.800	187.686	27.699	0.430	1.070	1212.380	54.036
11.000	190.848	28.011	0.437	1.063	1212.387	55.968
11.200	194.013	28.323	0.444	1.056	1212.394	57.936
11.400	197.183	28.635	0.452	1.048	1212.402	59.941
11.600	200.356	28.947	0.459	1.041	1212.409	61.980
11.800	203.532	29.216	0.466	1.034	1212.416	64.051
12.000	206.711	29.470	0.473	1.027	1212.423	66.155
12.200	209.882	29.724	0.481	1.019	1212.431	68.292
12.400	213.015	29.978	0.488	1.012	1212.438	70.461
12.600	216.151	30.231	0.495	1.005	1212.445	72.664
12.800	219.289	30.485	0.503	0.997	1212.453	74.897
13.000	222.430	30.741	0.510	0.990	1212.460	77.191
13.200	225.573	31.000	0.518	0.982	1212.468	79.495

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	228.719	31.262	0.525	0.975	1212.475	81.855
13.600	231.867	31.526	0.533	0.967	1212.483	84.249
13.800	235.017	31.795	0.541	0.959	1212.491	86.677
14.000	238.170	32.065	0.548	0.952	1212.498	89.139
14.200	241.322	32.339	0.556	0.944	1212.506	91.637
14.400	244.437	32.614	0.564	0.936	1212.514	94.169
14.600	247.555	32.893	0.572	0.928	1212.522	96.736
14.800	250.674	33.173	0.580	0.920	1212.530	99.316
15.000	253.795	33.455	0.588	0.912	1212.538	101.955
15.200	251.570	33.740	0.597	0.903	1212.547	104.582
15.400	249.337	34.020	0.605	0.895	1212.555	107.197
15.600	247.093	34.297	0.612	0.888	1212.562	109.775
15.800	244.838	34.537	0.620	0.880	1212.570	112.316
16.000	242.574	34.768	0.628	0.872	1212.578	114.818
16.200	240.300	34.996	0.635	0.865	1212.585	117.306
16.400	271.630	35.222	0.643	0.857	1212.593	120.002
16.600	321.761	35.496	0.653	0.847	1212.603	123.309
16.800	366.928	35.818	0.665	0.835	1212.615	127.185
17.000	407.808	36.185	0.678	0.822	1212.628	131.540
17.200	444.400	36.593	0.692	0.808	1212.642	136.358
17.400	477.382	37.034	0.707	0.793	1212.657	141.572
17.600	506.978	37.507	0.723	0.777	1212.673	147.139
17.800	533.416	38.002	0.740	0.760	1212.690	153.039
18.000	556.920	38.522	0.758	0.742	1212.708	159.230
18.200	577.716	39.045	0.776	0.724	1212.726	165.663
18.400	596.030	39.537	0.794	0.706	1212.744	172.317
18.600	612.087	40.040	0.813	0.687	1212.763	179.143
18.800	626.113	40.550	0.832	0.668	1212.782	186.144
19.000	638.108	41.069	0.852	0.648	1212.802	193.294
19.200	648.298	41.592	0.871	0.629	1212.821	200.570
19.400	656.909	42.118	0.891	0.609	1212.841	207.972
19.600	663.714	42.647	0.910	0.590	1212.860	215.445
19.800	669.165	43.165	0.930	0.570	1212.880	222.990
20.000	673.263	43.654	0.949	0.551	1212.899	230.548
20.200	676.232	44.142	0.969	0.531	1212.919	238.147
20.400	677.847	44.626	0.988	0.512	1212.938	245.757
20.600	678.559	45.106	1.007	0.493	1212.957	253.376
20.800	677.918	73.964	1.026	0.474	1212.976	260.733
21.000	676.374	104.832	1.043	0.457	1212.993	267.728
21.200	673.927	133.763	1.059	0.441	1213.009	274.321
21.400	670.577	160.886	1.074	0.426	1213.024	280.533
21.600	666.777	214.488	1.088	0.412	1213.038	286.138
21.800	662.073	261.996	1.100	0.400	1213.050	291.125
22.000	656.693	303.948	1.110	0.390	1213.060	295.514
22.200	650.636	340.621	1.119	0.381	1213.069	299.391
22.400	644.127	372.849	1.127	0.373	1213.077	302.781
22.600	636.941	400.632	1.134	0.366	1213.084	305.709
22.800	629.304	424.803	1.140	0.360	1213.090	308.267
23.000	621.216	445.640	1.145	0.355	1213.095	310.452
23.200	612.677	463.421	1.150	0.350	1213.100	312.323
23.400	603.686	478.424	1.154	0.346	1213.104	313.912
23.600	594.243	491.204	1.157	0.343	1213.107	315.249
23.800	584.350	501.761	1.159	0.341	1213.109	316.333
24.000	574.005	510.096	1.161	0.339	1213.111	317.162
24.200	563.435	516.486	1.163	0.337	1213.113	317.800
24.400	552.638	520.931	1.164	0.336	1213.114	318.216
24.600	541.391	523.987	1.164	0.336	1213.114	318.471
24.800	529.918	525.377	1.164	0.336	1213.114	318.567
25.000	518.219	525.654	1.164	0.336	1213.114	318.535
25.200	506.295	524.821	1.164	0.336	1213.114	318.375
25.400	494.144	522.876	1.163	0.337	1213.113	318.088
25.600	481.769	519.820	1.162	0.338	1213.112	317.673
25.800	469.167	515.653	1.161	0.339	1213.111	317.130
26.000	456.566	510.652	1.160	0.340	1213.110	316.524
26.200	443.513	504.817	1.158	0.342	1213.108	315.823
26.400	430.460	498.427	1.156	0.344	1213.106	315.026
26.600	417.182	491.204	1.154	0.346	1213.104	314.167
26.800	403.678	483.425	1.152	0.348	1213.102	313.245
27.000	390.174	475.090	1.150	0.350	1213.100	312.260
27.200	376.670	466.199	1.147	0.353	1213.097	311.213
27.400	362.714	456.753	1.145	0.355	1213.095	310.103
27.600	348.759	446.751	1.142	0.358	1213.092	308.963
27.800	334.804	436.472	1.139	0.361	1213.089	307.762
28.000	320.848	425.914	1.136	0.364	1213.086	306.530
28.200	306.893	414.801	1.133	0.367	1213.083	305.268
28.400	292.486	403.410	1.130	0.370	1213.080	303.945
28.600	278.080	391.741	1.127	0.373	1213.077	302.592
28.800	263.673	379.517	1.124	0.376	1213.074	301.210
29.000	249.266	367.293	1.120	0.380	1213.070	299.830
29.200	234.860	354.790	1.117	0.383	1213.067	298.389
29.400	220.453	342.010	1.114	0.386	1213.064	296.950
29.600	205.595	329.230	1.110	0.390	1213.060	295.483
29.800	190.737	315.895	1.106	0.394	1213.056	293.986

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
30.000	175.879	302.559	1.103	0.397	1213.053	292.492
30.200	163.919	289.223	1.099	0.401	1213.049	291.000
30.400	152.636	275.887	1.096	0.404	1213.046	289.511
30.600	142.030	262.552	1.092	0.408	1213.042	288.055
30.800	132.327	249.772	1.089	0.411	1213.039	286.632
31.000	123.074	237.269	1.086	0.414	1213.036	285.273
31.200	114.499	225.045	1.082	0.418	1213.032	283.916
31.400	106.601	213.098	1.079	0.421	1213.029	282.623
31.600	99.155	201.708	1.076	0.424	1213.026	281.393
31.800	92.159	190.594	1.073	0.427	1213.023	280.195
32.000	85.841	180.037	1.071	0.429	1213.021	279.060
32.200	79.974	170.035	1.068	0.432	1213.018	277.957
32.400	74.332	160.757	1.065	0.435	1213.015	276.917
32.600	69.142	156.366	1.063	0.437	1213.013	275.878
32.800	64.178	151.975	1.060	0.440	1213.010	274.840
33.000	59.664	147.583	1.058	0.442	1213.008	273.803
33.200	56.051	143.192	1.055	0.445	1213.005	272.767
33.400	56.025	138.801	1.053	0.447	1213.003	271.763
33.600	55.998	134.667	1.050	0.450	1213.000	270.791
33.800	55.972	130.664	1.048	0.452	1212.998	269.880
34.000	55.945	126.918	1.046	0.454	1212.996	269.031
34.200	55.919	123.302	1.044	0.456	1212.994	268.213
34.400	55.891	119.944	1.042	0.458	1212.992	267.426
34.600	55.864	116.715	1.040	0.460	1212.990	266.700
34.800	55.836	113.615	1.039	0.461	1212.989	266.004
35.000	55.809	110.773	1.037	0.463	1212.987	265.340
35.200	55.781	107.932	1.035	0.465	1212.985	264.706
35.400	55.754	105.349	1.034	0.466	1212.984	264.103
35.600	55.726	102.766	1.032	0.468	1212.982	263.531
35.800	55.699	100.441	1.031	0.469	1212.981	262.988
36.000	55.671	98.116	1.030	0.470	1212.980	262.477
36.200	55.644	96.050	1.029	0.471	1212.979	261.995
36.400	55.616	93.983	1.028	0.473	1212.978	261.514
36.600	55.589	92.046	1.026	0.474	1212.976	261.094
36.800	55.561	90.237	1.025	0.475	1212.975	260.673
37.000	55.534	88.429	1.024	0.476	1212.974	260.253
37.200	55.506	86.750	1.023	0.477	1212.973	259.893
37.400	55.479	85.200	1.023	0.477	1212.973	259.533
37.600	55.452	83.650	1.022	0.478	1212.972	259.173
37.800	55.424	82.230	1.021	0.479	1212.971	258.873
38.000	55.397	80.938	1.020	0.480	1212.970	258.573
38.200	55.369	79.647	1.019	0.481	1212.969	258.274
38.400	55.342	78.355	1.019	0.481	1212.969	257.974
38.600	55.314	77.193	1.018	0.482	1212.968	257.735
38.800	55.287	76.159	1.018	0.482	1212.968	257.496
39.000	55.259	75.126	1.017	0.483	1212.967	257.256
39.200	55.232	74.093	1.016	0.484	1212.966	257.017
39.400	55.204	73.060	1.016	0.484	1212.966	256.778
39.600	55.177	72.155	1.015	0.485	1212.965	256.598
39.800	55.149	71.381	1.015	0.485	1212.965	256.419
40.000	55.122	70.606	1.014	0.486	1212.964	256.240
40.200	55.094	69.831	1.014	0.486	1212.964	256.061
40.400	55.067	69.056	1.014	0.486	1212.964	255.881
40.600	55.039	68.281	1.013	0.487	1212.963	255.702
40.800	55.012	67.506	1.013	0.487	1212.963	255.523
41.000	54.984	66.860	1.012	0.488	1212.962	255.404
41.200	54.957	66.343	1.012	0.488	1212.962	255.284
41.400	54.929	65.827	1.012	0.488	1212.962	255.165
41.600	54.902	65.310	1.011	0.489	1212.961	255.046
41.800	54.874	64.794	1.011	0.489	1212.961	254.926
42.000	54.847	64.277	1.011	0.489	1212.961	254.807
42.200	54.819	63.760	1.011	0.489	1212.961	254.688
42.400	54.792	63.244	1.010	0.490	1212.960	254.568
42.600	54.764	62.727	1.010	0.490	1212.960	254.449
42.800	54.737	62.210	1.010	0.490	1212.960	254.330
43.000	54.710	61.823	1.009	0.491	1212.959	254.270
43.200	54.682	61.565	1.009	0.491	1212.959	254.211
43.400	54.655	61.306	1.009	0.491	1212.959	254.151
43.600	54.627	61.048	1.009	0.491	1212.959	254.091
43.800	54.600	60.790	1.009	0.491	1212.959	254.032
44.000	54.572	60.531	1.009	0.491	1212.959	253.972
44.200	54.545	60.273	1.009	0.491	1212.959	253.913
44.400	54.517	60.015	1.008	0.492	1212.958	253.853
44.600	54.490	59.756	1.008	0.492	1212.958	253.793
44.800	54.462	59.498	1.008	0.492	1212.958	253.734
45.000	54.435	59.240	1.008	0.492	1212.958	253.674
45.200	54.407	58.981	1.008	0.492	1212.958	253.615
45.400	54.380	58.723	1.008	0.492	1212.958	253.555
45.600	54.352	58.465	1.008	0.492	1212.958	253.495
45.800	54.325	58.206	1.007	0.493	1212.957	253.436
46.000	54.297	57.948	1.007	0.493	1212.957	253.376
46.200	54.270	57.690	1.007	0.493	1212.957	253.317
46.400	54.242	57.432	1.007	0.493	1212.957	253.257

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
46.600	54.215	57.173	1.007	0.493	1212.957	253.198
46.800	54.187	56.915	1.007	0.493	1212.957	253.138
47.000	54.160	56.657	1.007	0.493	1212.957	253.079
47.200	54.132	56.527	1.007	0.493	1212.957	253.079
47.400	54.105	56.527	1.007	0.493	1212.957	253.079
47.600	54.077	56.527	1.007	0.493	1212.957	253.079
47.800	54.050	56.527	1.007	0.493	1212.957	253.079
48.000	54.022	56.398	1.006	0.494	1212.956	253.049
48.200	53.995	56.398	1.006	0.494	1212.956	253.049
48.400	53.967	56.398	1.006	0.494	1212.956	253.049
48.600	53.940	56.398	1.006	0.494	1212.956	253.049
48.800	53.913	56.398	1.006	0.494	1212.956	253.019
49.000	53.885	56.269	1.006	0.494	1212.956	253.019
49.200	53.858	56.269	1.006	0.494	1212.956	253.019
49.400	53.830	56.269	1.006	0.494	1212.956	253.019
49.600	53.803	56.269	1.006	0.494	1212.956	253.019
49.800	53.775	56.269	1.006	0.494	1212.956	252.989
50.000	53.748	56.140	1.006	0.494	1212.956	252.989
50.200	53.720	56.140	1.006	0.494	1212.956	252.989
50.400	53.693	56.140	1.006	0.494	1212.956	252.989
50.600	53.665	56.140	1.006	0.494	1212.956	252.989
50.800	53.638	56.011	1.006	0.494	1212.956	252.960
51.000	53.610	56.011	1.006	0.494	1212.956	252.960
51.200	53.583	56.011	1.006	0.494	1212.956	252.960
51.400	53.555	56.011	1.006	0.494	1212.956	252.960
51.600	53.528	56.011	1.006	0.494	1212.956	252.930
51.800	53.500	55.882	1.006	0.494	1212.956	252.930
52.000	53.473	55.882	1.006	0.494	1212.956	252.930
52.200	53.445	55.882	1.006	0.494	1212.956	252.930
52.400	53.418	55.882	1.006	0.494	1212.956	252.930
52.600	53.390	55.882	1.006	0.494	1212.956	252.900
52.800	53.363	55.753	1.006	0.494	1212.956	252.900
53.000	53.335	55.753	1.006	0.494	1212.956	252.900
53.200	53.308	55.753	1.006	0.494	1212.956	252.900
53.400	53.280	55.753	1.006	0.494	1212.956	252.900
53.600	53.253	55.623	1.006	0.494	1212.956	252.870
53.800	53.225	55.623	1.006	0.494	1212.956	252.870
54.000	53.198	55.623	1.006	0.494	1212.956	252.870
54.200	53.171	55.623	1.006	0.494	1212.956	252.870
54.400	53.143	55.623	1.006	0.494	1212.956	252.840
54.600	53.116	55.494	1.006	0.494	1212.956	252.840
54.800	53.088	55.494	1.006	0.494	1212.956	252.840
55.000	53.061	55.494	1.006	0.494	1212.956	252.840
55.200	53.033	55.494	1.006	0.494	1212.956	252.840
55.400	53.006	55.494	1.006	0.494	1212.956	252.811
55.600	52.978	55.365	1.006	0.494	1212.956	252.811
55.800	52.951	55.365	1.006	0.494	1212.956	252.811
56.000	52.923	55.365	1.006	0.494	1212.956	252.811
56.200	52.896	55.365	1.006	0.494	1212.956	252.811
56.400	52.868	55.236	1.006	0.494	1212.956	252.781
56.600	52.841	55.236	1.006	0.494	1212.956	252.781
56.800	52.813	55.236	1.006	0.494	1212.956	252.781
57.000	52.786	55.236	1.006	0.494	1212.956	252.781
57.200	52.758	55.236	1.006	0.494	1212.956	252.781
57.400	52.731	55.107	1.006	0.494	1212.956	252.751
57.600	52.703	55.107	1.006	0.494	1212.956	252.751
57.800	52.676	55.107	1.006	0.494	1212.956	252.751
58.000	52.648	55.107	1.006	0.494	1212.956	252.751
58.200	52.621	55.107	1.006	0.494	1212.956	252.721
58.400	52.593	54.978	1.006	0.494	1212.956	252.721
58.600	52.566	54.978	1.006	0.494	1212.956	252.721
58.800	52.538	54.978	1.006	0.494	1212.956	252.721
59.000	52.511	54.978	1.006	0.494	1212.956	252.721
59.200	52.483	54.848	1.006	0.494	1212.956	252.692
59.400	52.456	54.848	1.006	0.494	1212.956	252.692
59.600	52.429	54.848	1.006	0.494	1212.956	252.692
59.800	52.401	54.848	1.006	0.494	1212.956	252.692
60.000	52.374	54.848	1.006	0.494	1212.956	252.692
60.200	52.346	54.719	1.005	0.495	1212.955	252.662
60.400	52.319	54.719	1.005	0.495	1212.955	252.662
60.600	52.291	54.719	1.005	0.495	1212.955	252.662
60.800	52.264	54.719	1.005	0.495	1212.955	252.662
61.000	52.236	54.719	1.005	0.495	1212.955	252.632
61.200	52.209	54.590	1.005	0.495	1212.955	252.632
61.400	52.181	54.590	1.005	0.495	1212.955	252.632
61.600	52.154	54.590	1.005	0.495	1212.955	252.632
61.800	52.126	54.590	1.005	0.495	1212.955	252.632
62.000	52.099	54.590	1.005	0.495	1212.955	252.602
62.200	52.071	54.461	1.005	0.495	1212.955	252.602
62.400	52.044	54.461	1.005	0.495	1212.955	252.602
62.600	52.016	54.461	1.005	0.495	1212.955	252.602
62.800	51.989	54.461	1.005	0.495	1212.955	252.602
63.000	51.961	54.332	1.005	0.495	1212.955	252.573

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
63.200	51.934	54.332	1.005	0.495	1212.955	252.573
63.400	51.906	54.332	1.005	0.495	1212.955	252.573
63.600	51.879	54.332	1.005	0.495	1212.955	252.573
63.800	51.851	54.332	1.005	0.495	1212.955	252.543
64.000	51.824	54.203	1.005	0.495	1212.955	252.543
64.200	51.796	54.203	1.005	0.495	1212.955	252.543
64.400	51.769	54.203	1.005	0.495	1212.955	252.543
64.600	51.741	54.203	1.005	0.495	1212.955	252.543
64.800	51.714	54.203	1.005	0.495	1212.955	252.513
65.000	51.687	54.073	1.005	0.495	1212.955	252.513
65.200	51.659	54.073	1.005	0.495	1212.955	252.513
65.400	51.632	54.073	1.005	0.495	1212.955	252.513
65.600	51.604	54.073	1.005	0.495	1212.955	252.513
65.800	51.577	53.944	1.005	0.495	1212.955	252.483
66.000	51.549	53.944	1.005	0.495	1212.955	252.483
66.200	51.519	53.944	1.005	0.495	1212.955	252.483
66.400	51.489	53.944	1.005	0.495	1212.955	252.483
66.600	51.459	53.944	1.005	0.495	1212.955	252.454
66.800	51.429	53.815	1.005	0.495	1212.955	252.454
67.000	51.399	53.815	1.005	0.495	1212.955	252.454
67.200	51.369	53.815	1.005	0.495	1212.955	252.454
67.400	51.339	53.815	1.005	0.495	1212.955	252.454
67.600	51.309	53.686	1.005	0.495	1212.955	252.424
67.800	51.279	53.686	1.005	0.495	1212.955	252.424
68.000	51.249	53.686	1.005	0.495	1212.955	252.424
68.200	51.219	53.686	1.005	0.495	1212.955	252.424
68.400	51.189	53.557	1.005	0.495	1212.955	252.394
68.600	51.159	53.557	1.005	0.495	1212.955	252.394
68.800	51.129	53.557	1.005	0.495	1212.955	252.394
69.000	51.099	53.557	1.005	0.495	1212.955	252.394
69.200	51.069	53.557	1.005	0.495	1212.955	252.364
69.400	51.039	53.428	1.005	0.495	1212.955	252.364
69.600	51.009	53.428	1.005	0.495	1212.955	252.364
69.800	50.978	53.428	1.005	0.495	1212.955	252.364
70.000	50.948	53.428	1.005	0.495	1212.955	252.335
70.200	50.918	53.299	1.005	0.495	1212.955	252.335
70.400	50.888	53.299	1.005	0.495	1212.955	252.335
70.600	50.858	53.299	1.005	0.495	1212.955	252.335
70.800	50.828	53.299	1.005	0.495	1212.955	252.335
71.000	50.798	53.169	1.005	0.495	1212.955	252.305
71.200	50.768	53.169	1.005	0.495	1212.955	252.305
71.400	50.738	53.169	1.005	0.495	1212.955	252.305
71.600	50.708	53.169	1.005	0.495	1212.955	252.305
71.800	50.678	53.169	1.005	0.496	1212.955	252.275
72.000	50.648	53.040	1.005	0.496	1212.955	252.275
72.200	50.618	53.040	1.005	0.496	1212.955	252.275
72.400	50.588	53.040	1.005	0.496	1212.955	252.275
72.600	50.558	53.040	1.004	0.496	1212.954	252.245
72.800	50.528	52.911	1.004	0.496	1212.954	252.245
73.000	50.498	52.911	1.004	0.496	1212.954	252.245
73.200	50.468	52.911	1.004	0.496	1212.954	252.245
73.400	50.438	52.911	1.004	0.496	1212.954	252.245
73.600	50.408	52.782	1.004	0.496	1212.954	252.216
73.800	50.378	52.782	1.004	0.496	1212.954	252.216
74.000	50.348	52.782	1.004	0.496	1212.954	252.216
74.200	50.318	52.782	1.004	0.496	1212.954	252.216
74.400	50.288	52.653	1.004	0.496	1212.954	252.186
74.600	50.258	52.653	1.004	0.496	1212.954	252.186
74.800	50.228	52.653	1.004	0.496	1212.954	252.186
75.000	50.198	52.653	1.004	0.496	1212.954	252.186
75.200	50.168	52.653	1.004	0.496	1212.954	252.156
75.400	50.138	52.524	1.004	0.496	1212.954	252.156
75.600	50.108	52.524	1.004	0.496	1212.954	252.156
75.800	50.077	52.524	1.004	0.496	1212.954	252.156
76.000	50.047	52.524	1.004	0.496	1212.954	252.156
76.200	50.017	52.394	1.004	0.496	1212.954	252.127
76.400	49.987	52.394	1.004	0.496	1212.954	252.127
76.600	49.957	52.394	1.004	0.496	1212.954	252.127
76.800	49.927	52.394	1.004	0.496	1212.954	252.127
77.000	49.897	52.265	1.004	0.496	1212.954	252.097
77.200	49.867	52.265	1.004	0.496	1212.954	252.097
77.400	49.837	52.265	1.004	0.496	1212.954	252.097
77.600	49.807	52.265	1.004	0.496	1212.954	252.097
77.800	49.777	52.265	1.004	0.496	1212.954	252.067
78.000	49.747	52.136	1.004	0.496	1212.954	252.067
78.200	49.717	52.136	1.004	0.496	1212.954	252.067
78.400	49.687	52.136	1.004	0.496	1212.954	252.067
78.600	49.657	52.136	1.004	0.496	1212.954	252.037
78.800	49.627	52.007	1.004	0.496	1212.954	252.037
79.000	49.597	52.007	1.004	0.496	1212.954	252.037

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
79.200	49.567	52.007	1.004	0.496	1212.954	252.037
79.400	49.537	52.007	1.004	0.496	1212.954	252.037
79.600	49.507	51.878	1.004	0.496	1212.954	252.008
79.800	49.477	51.878	1.004	0.496	1212.954	252.008
80.000	49.447	51.878	1.004	0.496	1212.954	252.008
80.200	49.417	51.878	1.004	0.496	1212.954	252.008
80.400	49.387	51.878	1.004	0.496	1212.954	251.978
80.600	49.357	51.749	1.004	0.496	1212.954	251.978
80.800	49.327	51.749	1.004	0.496	1212.954	251.978
81.000	49.297	51.749	1.004	0.496	1212.954	251.978
81.200	49.267	51.749	1.004	0.496	1212.954	251.948
81.400	49.237	51.619	1.004	0.496	1212.954	251.948
81.600	49.207	51.619	1.004	0.496	1212.954	251.948
81.800	49.177	51.619	1.004	0.496	1212.954	251.948
82.000	49.146	51.619	1.004	0.496	1212.954	251.948
82.200	49.116	51.490	1.004	0.496	1212.954	251.918
82.400	49.086	51.490	1.004	0.496	1212.954	251.918
82.600	49.056	51.490	1.004	0.496	1212.954	251.918
82.800	49.026	51.490	1.004	0.496	1212.954	251.918
83.000	48.996	51.361	1.004	0.496	1212.954	251.889
83.200	48.966	51.361	1.004	0.496	1212.954	251.889
83.400	48.936	51.361	1.004	0.496	1212.954	251.889
83.600	48.906	51.361	1.004	0.496	1212.954	251.889
83.800	48.876	51.361	1.003	0.497	1212.953	251.859
84.000	48.846	51.232	1.003	0.497	1212.953	251.859
84.200	48.816	51.232	1.003	0.497	1212.953	251.859
84.400	48.786	51.232	1.003	0.497	1212.953	251.859
84.600	48.756	51.232	1.003	0.497	1212.953	251.859
84.800	48.726	51.103	1.003	0.497	1212.953	251.829
85.000	48.696	51.103	1.003	0.497	1212.953	251.829
85.200	48.666	51.103	1.003	0.497	1212.953	251.829
85.400	48.636	51.103	1.003	0.497	1212.953	251.829
85.600	48.606	50.974	1.003	0.497	1212.953	251.800
85.800	48.576	50.974	1.003	0.497	1212.953	251.800
86.000	48.546	50.974	1.003	0.497	1212.953	251.800
86.200	48.516	50.974	1.003	0.497	1212.953	251.800
86.400	48.486	50.974	1.003	0.497	1212.953	251.770
86.600	48.456	50.845	1.003	0.497	1212.953	251.770
86.800	48.426	50.845	1.003	0.497	1212.953	251.770
87.000	48.396	50.845	1.003	0.497	1212.953	251.770
87.200	48.366	50.845	1.003	0.497	1212.953	251.740
87.400	48.336	50.715	1.003	0.497	1212.953	251.740
87.600	48.306	50.715	1.003	0.497	1212.953	251.740
87.800	48.276	50.715	1.003	0.497	1212.953	251.740
88.000	48.246	50.715	1.003	0.497	1212.953	251.740
88.200	48.215	50.586	1.003	0.497	1212.953	251.710
88.400	48.185	50.586	1.003	0.497	1212.953	251.710
88.600	48.155	50.586	1.003	0.497	1212.953	251.710
88.800	48.125	50.586	1.003	0.497	1212.953	251.710
89.000	48.095	50.586	1.003	0.497	1212.953	251.681
89.200	48.065	50.457	1.003	0.497	1212.953	251.681
89.400	48.035	50.457	1.003	0.497	1212.953	251.681
89.600	48.005	50.457	1.003	0.497	1212.953	251.681
89.800	47.975	50.457	1.003	0.497	1212.953	251.651
90.000	47.945	50.328	1.003	0.497	1212.953	251.651
90.200	47.915	50.328	1.003	0.497	1212.953	251.651
90.400	47.885	50.328	1.003	0.497	1212.953	251.651
90.600	47.855	50.328	1.003	0.497	1212.953	251.651
90.800	47.825	50.199	1.003	0.497	1212.953	251.621
91.000	47.795	50.199	1.003	0.497	1212.953	251.621
91.200	47.765	50.199	1.003	0.497	1212.953	251.621
91.400	47.735	50.199	1.003	0.497	1212.953	251.621
91.600	47.705	50.070	1.003	0.497	1212.953	251.591
91.800	47.675	50.070	1.003	0.497	1212.953	251.591
92.000	47.645	50.070	1.003	0.497	1212.953	251.591
92.200	47.615	50.070	1.003	0.497	1212.953	251.591
92.400	47.585	50.070	1.003	0.497	1212.953	251.562
92.600	47.555	49.940	1.003	0.497	1212.953	251.562
92.800	47.525	49.940	1.003	0.497	1212.953	251.562
93.000	47.495	49.940	1.003	0.497	1212.953	251.562
93.200	47.465	49.940	1.003	0.497	1212.953	251.562
93.400	47.435	49.811	1.003	0.497	1212.953	251.532
93.600	47.405	49.811	1.003	0.497	1212.953	251.532
93.800	47.375	49.811	1.003	0.497	1212.953	251.532
94.000	47.345	49.811	1.003	0.497	1212.953	251.532
94.200	47.315	49.682	1.003	0.497	1212.953	251.502
94.400	47.284	49.682	1.003	0.497	1212.953	251.502
94.600	47.254	49.682	1.003	0.497	1212.953	251.502
94.800	47.224	49.682	1.003	0.497	1212.953	251.502
95.000	47.194	49.682	1.002	0.498	1212.952	251.473
95.200	47.164	49.553	1.002	0.498	1212.952	251.473

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
95.400	47.134	49.553	1.002	0.498	1212.952	251.473
95.600	47.104	49.553	1.002	0.498	1212.952	251.473
95.800	47.074	49.553	1.002	0.498	1212.952	251.443
96.000	47.044	49.424	1.002	0.498	1212.952	251.443
96.200	47.014	49.424	1.002	0.498	1212.952	251.443
96.400	46.984	49.424	1.002	0.498	1212.952	251.443
96.600	46.954	49.424	1.002	0.498	1212.952	251.443
96.800	46.924	49.295	1.002	0.498	1212.952	251.413
97.000	46.894	49.295	1.002	0.498	1212.952	251.413
97.200	46.864	49.295	1.002	0.498	1212.952	251.413
97.400	46.834	49.295	1.002	0.498	1212.952	251.413
97.600	46.804	49.295	1.002	0.498	1212.952	251.383
97.800	46.774	49.165	1.002	0.498	1212.952	251.383
98.000	46.742	49.165	1.002	0.498	1212.952	251.383
98.200	46.708	49.165	1.002	0.498	1212.952	251.383
98.400	46.675	49.165	1.002	0.498	1212.952	251.354
98.600	46.641	49.036	1.002	0.498	1212.952	251.354
98.800	46.608	49.036	1.002	0.498	1212.952	251.354
99.000	46.574	49.036	1.002	0.498	1212.952	251.354
99.200	46.541	48.907	1.002	0.498	1212.952	251.324
99.400	46.507	48.907	1.002	0.498	1212.952	251.324
99.600	46.474	48.907	1.002	0.498	1212.952	251.324
99.800	46.440	48.907	1.002	0.498	1212.952	251.324
100.000	46.407	48.778	1.002	0.498	1212.952	251.294
100.200	46.373	48.778	1.002	0.498	1212.952	251.294
100.400	46.340	48.778	1.002	0.498	1212.952	251.294
100.600	46.306	48.778	1.002	0.498	1212.952	251.294
100.800	46.273	48.649	1.002	0.498	1212.952	251.265
101.000	46.239	48.649	1.002	0.498	1212.952	251.265
101.200	46.206	48.649	1.002	0.498	1212.952	251.265
101.400	46.172	48.649	1.002	0.498	1212.952	251.235
101.600	46.139	48.520	1.002	0.498	1212.952	251.235
101.800	46.105	48.520	1.002	0.498	1212.952	251.235
102.000	46.072	48.520	1.002	0.498	1212.952	251.235
102.200	46.038	48.520	1.002	0.498	1212.952	251.205
102.400	46.005	48.391	1.002	0.498	1212.952	251.205
102.600	45.971	48.391	1.002	0.498	1212.952	251.205
102.800	45.938	48.391	1.002	0.498	1212.952	251.205
103.000	45.904	48.391	1.002	0.498	1212.952	251.176
103.200	45.871	48.261	1.002	0.498	1212.952	251.176
103.400	45.837	48.261	1.002	0.498	1212.952	251.176
103.600	45.804	48.261	1.002	0.498	1212.952	251.176
103.800	45.770	48.261	1.002	0.498	1212.952	251.146
104.000	45.737	48.132	1.002	0.498	1212.952	251.146
104.200	45.703	48.132	1.002	0.498	1212.952	251.146
104.400	45.670	48.132	1.002	0.498	1212.952	251.146
104.600	45.636	48.003	1.002	0.498	1212.952	251.116
104.800	45.603	48.003	1.002	0.498	1212.952	251.116
105.000	45.569	48.003	1.002	0.498	1212.952	251.116
105.200	45.536	48.003	1.002	0.498	1212.952	251.116
105.400	45.502	47.874	1.002	0.498	1212.952	251.086
105.600	45.469	47.874	1.002	0.498	1212.952	251.086
105.800	45.435	47.874	1.002	0.498	1212.952	251.086
106.000	45.402	47.874	1.002	0.498	1212.952	251.086
106.200	45.368	47.745	1.001	0.499	1212.951	251.057
106.400	45.335	47.745	1.001	0.499	1212.951	251.057
106.600	45.301	47.745	1.001	0.499	1212.951	251.057
106.800	45.268	47.745	1.001	0.499	1212.951	251.027
107.000	45.235	47.616	1.001	0.499	1212.951	251.027
107.200	45.201	47.616	1.001	0.499	1212.951	251.027
107.400	45.168	47.616	1.001	0.499	1212.951	251.027
107.600	45.134	47.616	1.001	0.499	1212.951	250.997
107.800	45.101	47.486	1.001	0.499	1212.951	250.997
108.000	45.067	47.486	1.001	0.499	1212.951	250.997
108.200	45.034	47.486	1.001	0.499	1212.951	250.997
108.400	45.000	47.486	1.001	0.499	1212.951	250.968
108.600	44.967	47.357	1.001	0.499	1212.951	250.968
108.800	44.933	47.357	1.001	0.499	1212.951	250.968
109.000	44.900	47.357	1.001	0.499	1212.951	250.968
109.200	44.866	47.357	1.001	0.499	1212.951	250.938
109.400	44.833	47.228	1.001	0.499	1212.951	250.938
109.600	44.799	47.228	1.001	0.499	1212.951	250.938
109.800	44.766	47.228	1.001	0.499	1212.951	250.938
110.000	44.732	47.099	1.001	0.499	1212.951	250.908
110.200	44.699	47.099	1.001	0.499	1212.951	250.908
110.400	44.665	47.099	1.001	0.499	1212.951	250.908
110.600	44.632	47.099	1.001	0.499	1212.951	250.908
110.800	44.598	46.970	1.001	0.499	1212.951	250.879
111.000	44.565	46.970	1.001	0.499	1212.951	250.879
111.200	44.531	46.970	1.001	0.499	1212.951	250.879
111.400	44.498	46.970	1.001	0.499	1212.951	250.879
111.600	44.464	46.841	1.001	0.499	1212.951	250.849
111.800	44.431	46.841	1.001	0.499	1212.951	250.849

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
112.000	44.397	46.841	1.001	0.499	1212.951	250.849
112.200	44.364	46.841	1.001	0.499	1212.951	250.819
112.400	44.330	46.712	1.001	0.499	1212.951	250.819
112.600	44.297	46.712	1.001	0.499	1212.951	250.819
112.800	44.263	46.712	1.001	0.499	1212.951	250.819
113.000	44.230	46.712	1.001	0.499	1212.951	250.789
113.200	44.196	46.582	1.001	0.499	1212.951	250.789
113.400	44.163	46.582	1.001	0.499	1212.951	250.789
113.600	44.129	46.582	1.001	0.499	1212.951	250.789
113.800	44.096	46.582	1.001	0.499	1212.951	250.760
114.000	44.062	46.453	1.001	0.499	1212.951	250.760
114.200	44.029	46.453	1.001	0.499	1212.951	250.760
114.400	43.995	46.453	1.001	0.499	1212.951	250.760
114.600	43.962	46.324	1.001	0.499	1212.951	250.730
114.800	43.928	46.324	1.001	0.499	1212.951	250.730
115.000	43.895	46.324	1.001	0.499	1212.951	250.730
115.200	43.861	46.324	1.001	0.499	1212.951	250.730
115.400	43.828	46.195	1.001	0.499	1212.951	250.700
115.600	43.794	46.195	1.001	0.499	1212.951	250.700
115.800	43.761	46.195	1.001	0.499	1212.951	250.700
116.000	43.727	46.195	1.001	0.499	1212.951	250.700
116.200	43.694	46.066	1.000	0.500	1212.950	250.671
116.400	43.660	46.066	1.000	0.500	1212.950	250.671
116.600	43.627	46.066	1.000	0.500	1212.950	250.671
116.800	43.593	46.066	1.000	0.500	1212.950	250.671
117.000	43.560	45.937	1.000	0.500	1212.950	250.641
117.200	43.527	45.937	1.000	0.500	1212.950	250.641
117.400	43.493	45.937	1.000	0.500	1212.950	250.641
117.600	43.460	45.937	1.000	0.500	1212.950	250.611
117.800	43.426	45.807	1.000	0.500	1212.950	250.611
118.000	43.393	45.807	1.000	0.500	1212.950	250.611
118.200	43.359	45.807	1.000	0.500	1212.950	250.611
118.400	43.326	45.807	1.000	0.500	1212.950	250.582
118.600	43.292	45.678	1.000	0.500	1212.950	250.582
118.800	43.259	45.678	1.000	0.500	1212.950	250.582
119.000	43.225	45.678	1.000	0.500	1212.950	250.582
119.200	43.192	45.678	1.000	0.500	1212.950	250.552
119.400	43.158	45.549	1.000	0.500	1212.950	250.552
119.600	43.125	45.549	1.000	0.500	1212.950	250.552
119.800	43.091	45.549	1.000	0.500	1212.950	250.552
120.000	43.058	45.420	1.000	0.500	1212.950	250.522
120.200	43.024	45.420	1.000	0.500	1212.950	250.522
120.400	42.991	45.420	1.000	0.500	1212.950	250.522
120.600	42.957	45.420	1.000	0.500	1212.950	250.522
120.800	42.924	45.291	1.000	0.500	1212.950	250.493
121.000	42.890	45.291	1.000	0.500	1212.950	250.493
121.200	42.857	45.291	1.000	0.500	1212.950	250.493
121.400	42.823	45.291	1.000	0.500	1212.950	250.493
121.600	42.790	45.162	1.000	0.500	1212.950	250.463
121.800	42.756	45.162	1.000	0.500	1212.950	250.463
122.000	42.723	45.162	1.000	0.500	1212.950	250.463
122.200	42.689	45.162	1.000	0.500	1212.950	250.463
122.400	42.656	45.160	1.000	0.500	1212.950	250.404
122.600	42.622	45.156	1.000	0.500	1212.950	250.344
122.800	42.589	45.152	1.000	0.500	1212.950	250.285
123.000	42.555	45.149	0.999	0.501	1212.949	250.226
123.200	42.522	45.145	0.999	0.501	1212.949	250.166
123.400	42.488	45.141	0.999	0.501	1212.949	250.107
123.600	42.455	45.137	0.999	0.501	1212.949	250.048
123.800	42.421	45.134	0.999	0.501	1212.949	249.988
124.000	42.388	45.130	0.999	0.501	1212.949	249.929
124.200	42.354	45.126	0.998	0.502	1212.948	249.870
124.400	42.321	45.123	0.998	0.502	1212.948	249.810
124.600	42.287	45.119	0.998	0.502	1212.948	249.751
124.800	42.254	45.115	0.998	0.502	1212.948	249.692
125.000	42.220	45.111	0.998	0.502	1212.948	249.632
125.200	42.187	45.108	0.998	0.502	1212.948	249.573
125.400	42.153	45.104	0.998	0.502	1212.948	249.514
125.600	42.120	45.100	0.997	0.503	1212.947	249.454
125.800	42.086	45.096	0.997	0.503	1212.947	249.395
126.000	42.053	45.093	0.997	0.503	1212.947	249.336
126.200	42.019	45.089	0.997	0.503	1212.947	249.277
126.400	41.986	45.085	0.997	0.503	1212.947	249.217
126.600	41.952	45.082	0.997	0.503	1212.947	249.158
126.800	41.919	45.078	0.997	0.503	1212.947	249.099
127.000	41.885	45.074	0.996	0.504	1212.946	249.040
127.200	41.852	45.070	0.996	0.504	1212.946	248.980
127.400	41.819	45.067	0.996	0.504	1212.946	248.921
127.600	41.785	45.063	0.996	0.504	1212.946	248.862
127.800	41.752	45.059	0.996	0.504	1212.946	248.803
128.000	41.718	45.056	0.996	0.504	1212.946	248.743
128.200	41.685	45.052	0.996	0.505	1212.946	248.684
128.400	41.651	45.048	0.995	0.505	1212.945	248.625

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
128.600	41.618	45.044	0.995	0.505	1212.945	248.566
128.800	41.584	45.041	0.995	0.505	1212.945	248.506
129.000	41.551	45.037	0.995	0.505	1212.945	248.447
129.200	41.517	45.033	0.995	0.505	1212.945	248.388
129.400	41.484	45.029	0.995	0.505	1212.945	248.329
129.600	41.450	45.026	0.994	0.506	1212.944	248.270
129.800	41.415	45.022	0.994	0.506	1212.944	248.210
130.000	41.376	45.018	0.994	0.506	1212.944	248.151
130.200	41.338	45.015	0.994	0.506	1212.944	248.092
130.400	41.299	45.011	0.994	0.506	1212.944	248.033
130.600	41.261	45.007	0.994	0.506	1212.944	247.974
130.800	41.222	45.003	0.994	0.506	1212.944	247.914
131.000	41.184	45.000	0.993	0.507	1212.943	247.855
131.200	41.145	44.996	0.993	0.507	1212.943	247.796
131.400	41.107	44.992	0.993	0.507	1212.943	247.737
131.600	41.068	44.989	0.993	0.507	1212.943	247.678
131.800	41.030	44.985	0.993	0.507	1212.943	247.619
132.000	40.991	44.981	0.993	0.507	1212.943	247.559
132.200	40.953	44.977	0.993	0.507	1212.943	247.500
132.400	40.914	44.974	0.992	0.508	1212.942	247.441
132.600	40.876	44.970	0.992	0.508	1212.942	247.382
132.800	40.837	44.966	0.992	0.508	1212.942	247.323
133.000	40.799	44.962	0.992	0.508	1212.942	247.264
133.200	40.760	44.959	0.992	0.508	1212.942	247.205
133.400	40.722	44.955	0.992	0.508	1212.942	247.145
133.600	40.683	44.951	0.991	0.509	1212.941	247.086
133.800	40.645	44.948	0.991	0.509	1212.941	247.027
134.000	40.606	44.944	0.991	0.509	1212.941	246.968
134.200	40.568	44.940	0.991	0.509	1212.941	246.909
134.400	40.529	44.936	0.991	0.509	1212.941	246.850
134.600	40.491	44.933	0.991	0.509	1212.941	246.791
134.800	40.452	44.929	0.991	0.509	1212.941	246.732
135.000	40.414	44.925	0.990	0.510	1212.940	246.673
135.200	40.375	44.922	0.990	0.510	1212.940	246.613
135.400	40.337	44.918	0.990	0.510	1212.940	246.554
135.600	40.298	44.914	0.990	0.510	1212.940	246.495
135.800	40.260	44.910	0.990	0.510	1212.940	246.436
136.000	40.221	44.907	0.990	0.510	1212.940	246.377
136.200	40.183	44.903	0.990	0.510	1212.940	246.318
136.400	40.144	44.899	0.989	0.511	1212.939	246.259
136.600	40.106	44.895	0.989	0.511	1212.939	246.200
136.800	40.067	44.892	0.989	0.511	1212.939	246.141
137.000	40.029	44.888	0.989	0.511	1212.939	246.082
137.200	39.990	44.884	0.989	0.511	1212.939	246.023
137.400	39.952	44.881	0.989	0.511	1212.939	245.964
137.600	39.913	44.877	0.989	0.512	1212.939	245.905
137.800	39.875	44.873	0.988	0.512	1212.938	245.846
138.000	39.836	44.869	0.988	0.512	1212.938	245.787
138.200	39.798	44.866	0.988	0.512	1212.938	245.728
138.400	39.759	44.862	0.988	0.512	1212.938	245.669
138.600	39.721	44.858	0.988	0.512	1212.938	245.610
138.800	39.682	44.855	0.988	0.512	1212.938	245.551
139.000	39.644	44.851	0.987	0.513	1212.937	245.492
139.200	39.605	44.847	0.987	0.513	1212.937	245.433
139.400	39.567	44.843	0.987	0.513	1212.937	245.373
139.600	39.528	44.840	0.987	0.513	1212.937	245.314
139.800	39.490	44.836	0.987	0.513	1212.937	245.255
140.000	39.451	44.832	0.987	0.513	1212.937	245.197
140.200	39.413	44.828	0.987	0.513	1212.937	245.138
140.400	39.374	44.825	0.986	0.514	1212.936	245.079
140.600	39.336	44.821	0.986	0.514	1212.936	245.020
140.800	39.297	44.817	0.986	0.514	1212.936	244.961
141.000	39.259	44.814	0.986	0.514	1212.936	244.902
141.200	39.220	44.810	0.986	0.514	1212.936	244.843
141.400	39.182	44.806	0.986	0.514	1212.936	244.784
141.600	39.143	44.802	0.986	0.514	1212.936	244.725
141.800	39.105	44.799	0.985	0.515	1212.935	244.666
142.000	39.067	44.795	0.985	0.515	1212.935	244.607
142.200	39.028	44.791	0.985	0.515	1212.935	244.548
142.400	38.990	44.788	0.985	0.515	1212.935	244.489
142.600	38.951	44.784	0.985	0.515	1212.935	244.430
142.800	38.913	44.780	0.985	0.515	1212.935	244.371
143.000	38.874	44.776	0.984	0.516	1212.934	244.312
143.200	38.836	44.773	0.984	0.516	1212.934	244.253
143.400	38.797	44.769	0.984	0.516	1212.934	244.194
143.600	38.759	44.765	0.984	0.516	1212.934	244.135
143.800	38.720	44.761	0.984	0.516	1212.934	244.076
144.000	38.682	44.758	0.984	0.516	1212.934	244.018
144.200	38.643	44.754	0.984	0.516	1212.934	243.959
144.400	38.605	44.750	0.983	0.517	1212.933	243.900
144.600	38.566	44.747	0.983	0.517	1212.933	243.841
144.800	38.528	44.743	0.983	0.517	1212.933	243.782
145.000	38.489	44.739	0.983	0.517	1212.933	243.723

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
145.200	38.451	44.735	0.983	0.517	1212.933	243.664
145.400	38.412	44.732	0.983	0.517	1212.933	243.605
145.600	38.374	44.728	0.983	0.517	1212.933	243.546
145.800	38.335	44.724	0.982	0.518	1212.932	243.487
146.000	38.297	44.721	0.982	0.518	1212.932	243.429
146.200	38.258	44.717	0.982	0.518	1212.932	243.370
146.400	38.220	44.713	0.982	0.518	1212.932	243.311
146.600	38.181	44.709	0.982	0.518	1212.932	243.252
146.800	38.143	44.706	0.982	0.518	1212.932	243.193
147.000	38.104	44.702	0.982	0.518	1212.932	243.134
147.200	38.066	44.698	0.981	0.519	1212.931	243.075
147.400	38.027	44.694	0.981	0.519	1212.931	243.017
147.600	37.989	44.691	0.981	0.519	1212.931	242.958
147.800	37.950	44.687	0.981	0.519	1212.931	242.899
148.000	37.912	44.683	0.981	0.519	1212.931	242.840
148.200	37.873	44.680	0.981	0.519	1212.931	242.781
148.400	37.835	44.676	0.980	0.520	1212.930	242.723
148.600	37.796	44.672	0.980	0.520	1212.930	242.664
148.800	37.758	44.668	0.980	0.520	1212.930	242.605
149.000	37.719	44.665	0.980	0.520	1212.930	242.546
149.200	37.681	44.661	0.980	0.520	1212.930	242.487
149.400	37.642	44.657	0.980	0.520	1212.930	242.428
149.600	37.604	44.654	0.980	0.520	1212.930	242.370
149.800	37.565	44.650	0.979	0.521	1212.929	242.311
150.000	37.527	44.646	0.979	0.521	1212.929	242.252
150.200	37.488	44.642	0.979	0.521	1212.929	242.193
150.400	37.450	44.639	0.979	0.521	1212.929	242.135
150.600	37.411	44.635	0.979	0.521	1212.929	242.076
150.800	37.373	44.631	0.979	0.521	1212.929	242.017
151.000	37.334	44.627	0.979	0.521	1212.929	241.958
151.200	37.296	44.624	0.978	0.522	1212.928	241.899
151.400	37.257	44.618	0.978	0.522	1212.928	241.840
151.600	37.219	44.611	0.978	0.522	1212.928	241.781
151.800	37.180	44.603	0.977	0.523	1212.927	241.723
152.000	37.142	44.596	0.977	0.523	1212.927	241.664
152.200	37.103	44.588	0.977	0.523	1212.927	241.605
152.400	37.065	44.581	0.977	0.523	1212.927	241.546
152.600	37.026	44.573	0.976	0.524	1212.926	241.487
152.800	36.988	44.566	0.976	0.524	1212.926	241.428
153.000	36.949	44.559	0.976	0.524	1212.926	241.370
153.200	36.911	44.551	0.975	0.525	1212.925	241.311
153.400	36.872	44.544	0.975	0.525	1212.925	241.252
153.600	36.834	44.536	0.975	0.525	1212.925	241.193
153.800	36.795	44.529	0.975	0.525	1212.925	241.134
154.000	36.757	44.521	0.974	0.526	1212.924	241.075
154.200	36.718	44.514	0.974	0.526	1212.924	241.017
154.400	36.680	44.506	0.974	0.526	1212.924	240.958
154.600	36.641	44.499	0.973	0.527	1212.923	240.900
154.800	36.603	44.492	0.973	0.527	1212.923	240.842
155.000	36.564	44.484	0.973	0.527	1212.923	240.783
155.200	36.526	44.477	0.972	0.528	1212.922	240.725
155.400	36.487	44.469	0.972	0.528	1212.922	240.666
155.600	36.449	44.462	0.972	0.528	1212.922	240.608
155.800	36.410	44.454	0.972	0.528	1212.922	240.549
156.000	36.372	44.447	0.971	0.529	1212.921	240.491
156.200	36.333	44.439	0.971	0.529	1212.921	240.432
156.400	36.295	44.432	0.971	0.529	1212.921	240.374
156.600	36.256	44.425	0.970	0.530	1212.920	240.315
156.800	36.218	44.417	0.970	0.530	1212.920	240.257
157.000	36.179	44.410	0.970	0.530	1212.920	240.198
157.200	36.141	44.402	0.969	0.531	1212.919	240.140
157.400	36.102	44.395	0.969	0.531	1212.919	240.081
157.600	36.064	44.387	0.969	0.531	1212.919	240.023
157.800	36.025	44.380	0.969	0.531	1212.919	239.964
158.000	35.987	44.372	0.968	0.532	1212.918	239.906
158.200	35.948	44.365	0.968	0.532	1212.918	239.847
158.400	35.910	44.358	0.968	0.532	1212.918	239.789
158.600	35.871	44.350	0.967	0.533	1212.917	239.730
158.800	35.833	44.343	0.967	0.533	1212.917	239.672
159.000	35.794	44.335	0.967	0.533	1212.917	239.613
159.200	35.756	44.328	0.966	0.534	1212.916	239.555
159.400	35.717	44.320	0.966	0.534	1212.916	239.496
159.600	35.679	44.313	0.966	0.534	1212.916	239.438
159.800	35.640	44.305	0.966	0.534	1212.916	239.379
160.000	35.602	44.298	0.965	0.535	1212.915	239.321
160.200	35.563	44.291	0.965	0.535	1212.915	239.262
160.400	35.525	44.283	0.965	0.535	1212.915	239.204
160.600	35.486	44.276	0.964	0.536	1212.914	239.145
160.800	35.448	44.268	0.964	0.536	1212.914	239.087
161.000	35.409	44.261	0.964	0.536	1212.914	239.028
161.200	35.371	44.253	0.964	0.537	1212.914	238.970
161.400	35.333	44.246	0.963	0.537	1212.913	238.911
161.600	35.293	44.238	0.963	0.537	1212.913	238.853

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
161.800	35.246	44.231	0.963	0.537	1212.913	235.694
162.000	35.200	44.224	0.962	0.538	1212.912	235.577
162.200	35.153	44.216	0.962	0.538	1212.912	235.461
162.400	35.106	44.209	0.962	0.538	1212.912	235.344
162.600	35.059	44.201	0.961	0.539	1212.911	235.227
162.800	35.012	44.194	0.961	0.539	1212.911	235.111
163.000	34.966	44.186	0.961	0.539	1212.911	234.994
163.200	34.919	44.179	0.961	0.539	1212.911	234.878
163.400	34.872	44.171	0.960	0.540	1212.910	234.761
163.600	34.825	44.164	0.960	0.540	1212.910	234.645
163.800	34.779	44.157	0.960	0.540	1212.910	234.528
164.000	34.732	44.149	0.959	0.541	1212.909	234.412
164.200	34.685	44.142	0.959	0.541	1212.909	234.295
164.400	34.638	44.134	0.959	0.541	1212.909	234.179
164.600	34.591	44.127	0.958	0.542	1212.908	234.062
164.800	34.545	44.119	0.958	0.542	1212.908	233.946
165.000	34.498	44.112	0.958	0.542	1212.908	233.829
165.200	34.451	44.104	0.958	0.542	1212.908	233.713
165.400	34.404	44.097	0.957	0.543	1212.907	233.597
165.600	34.358	44.090	0.957	0.543	1212.907	233.480
165.800	34.311	44.082	0.957	0.543	1212.907	233.364
166.000	34.264	44.075	0.956	0.544	1212.906	233.248
166.200	34.217	44.067	0.956	0.544	1212.906	233.131
166.400	34.171	44.060	0.956	0.544	1212.906	233.015
166.600	34.124	44.052	0.955	0.545	1212.905	232.899
166.800	34.077	44.045	0.955	0.545	1212.905	232.783
167.000	34.030	44.037	0.955	0.545	1212.905	232.666
167.200	33.983	44.030	0.955	0.545	1212.905	232.550
167.400	33.937	44.023	0.954	0.546	1212.904	232.434
167.600	33.890	44.015	0.954	0.546	1212.904	232.318
167.800	33.843	44.008	0.954	0.546	1212.904	232.202
168.000	33.796	44.000	0.953	0.547	1212.903	232.085
168.200	33.750	43.993	0.953	0.547	1212.903	231.969
168.400	33.703	43.985	0.953	0.547	1212.903	231.853
168.600	33.656	43.978	0.952	0.548	1212.902	231.737
168.800	33.609	43.970	0.952	0.548	1212.902	231.621
169.000	33.562	43.963	0.952	0.548	1212.902	231.505
169.200	33.516	43.956	0.952	0.548	1212.902	231.389
169.400	33.469	43.948	0.951	0.549	1212.901	231.273
169.600	33.422	43.941	0.951	0.549	1212.901	231.157
169.800	33.375	43.933	0.951	0.549	1212.901	231.041
170.000	33.329	43.926	0.950	0.550	1212.900	230.925
170.200	33.282	43.918	0.950	0.550	1212.900	230.809
170.400	33.235	43.911	0.950	0.550	1212.900	230.693
170.600	33.188	43.903	0.950	0.550	1212.900	230.577
170.800	33.141	43.896	0.949	0.551	1212.899	230.461
171.000	33.095	43.889	0.949	0.551	1212.899	230.345
171.200	33.048	43.881	0.949	0.551	1212.899	230.229
171.400	33.001	43.874	0.948	0.552	1212.898	230.113
171.600	32.954	43.866	0.948	0.552	1212.898	229.997
171.800	32.908	43.859	0.948	0.552	1212.898	229.882
172.000	32.861	43.851	0.947	0.553	1212.897	229.766
172.200	32.814	43.844	0.947	0.553	1212.897	229.650
172.400	32.767	43.836	0.947	0.553	1212.897	229.534
172.600	32.721	43.829	0.947	0.553	1212.897	229.418
172.800	32.674	43.822	0.946	0.554	1212.896	229.303
173.000	32.627	43.814	0.946	0.554	1212.896	229.187
173.200	32.580	43.807	0.946	0.554	1212.896	229.071
173.400	32.533	43.799	0.945	0.555	1212.895	228.956
173.600	32.487	43.792	0.945	0.555	1212.895	228.840
173.800	32.440	43.784	0.945	0.555	1212.895	228.724
174.000	32.393	43.777	0.944	0.556	1212.894	228.608
174.200	32.346	43.769	0.944	0.556	1212.894	228.493
174.400	32.300	43.762	0.944	0.556	1212.894	228.377
174.600	32.253	43.755	0.944	0.556	1212.894	228.262
174.800	32.206	43.747	0.943	0.557	1212.893	228.146
175.000	32.159	43.740	0.943	0.557	1212.893	228.030
175.200	32.112	43.732	0.943	0.557	1212.893	227.915
175.400	32.066	43.725	0.942	0.558	1212.892	227.799
175.600	32.019	43.717	0.942	0.558	1212.892	227.684
175.800	31.972	43.710	0.942	0.558	1212.892	227.568
176.000	31.925	43.702	0.941	0.559	1212.891	227.453
176.200	31.879	43.695	0.941	0.559	1212.891	227.337
176.400	31.832	43.688	0.941	0.559	1212.891	227.222
176.600	31.785	43.680	0.941	0.559	1212.891	227.106
176.800	31.738	43.673	0.940	0.560	1212.890	226.991
177.000	31.691	43.665	0.940	0.560	1212.890	226.876
177.200	31.645	43.658	0.940	0.560	1212.890	226.760
177.400	31.598	43.648	0.939	0.561	1212.889	226.645
177.600	31.551	43.637	0.939	0.561	1212.889	226.529
177.800	31.504	43.626	0.938	0.562	1212.888	226.414
178.000	31.458	43.615	0.938	0.562	1212.888	226.298
178.200	31.411	43.604	0.937	0.563	1212.887	226.183

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
178.400	31.364	43.593	0.937	0.563	1212.887	225.722
178.600	31.312	43.581	0.937	0.563	1212.887	225.549
178.800	31.260	43.570	0.936	0.564	1212.886	225.377
179.000	31.208	43.559	0.936	0.564	1212.886	225.204
179.200	31.156	43.548	0.935	0.565	1212.885	225.031
179.400	31.104	43.537	0.935	0.565	1212.885	224.858
179.600	31.052	43.526	0.934	0.566	1212.884	224.686
179.800	31.000	43.514	0.934	0.566	1212.884	224.513
180.000	30.948	43.503	0.933	0.567	1212.883	224.341
180.200	30.896	43.492	0.933	0.567	1212.883	224.168
180.400	30.844	43.481	0.933	0.567	1212.883	223.996
180.600	30.792	43.470	0.932	0.568	1212.882	223.823
180.800	30.740	43.459	0.932	0.568	1212.882	223.651
181.000	30.688	43.447	0.931	0.569	1212.881	223.478
181.200	30.626	43.436	0.931	0.569	1212.881	223.306
181.400	30.569	43.425	0.930	0.570	1212.880	223.133
181.600	30.512	43.414	0.930	0.570	1212.880	222.961
181.800	30.455	43.403	0.929	0.571	1212.879	222.789
182.000	30.397	43.392	0.929	0.571	1212.879	222.617
182.200	30.340	43.380	0.929	0.571	1212.879	222.445
182.400	30.283	43.369	0.928	0.572	1212.878	222.272
182.600	30.226	43.358	0.928	0.572	1212.878	222.100
182.800	30.169	43.347	0.927	0.573	1212.877	221.928
183.000	30.112	43.336	0.927	0.573	1212.877	221.756
183.200	30.054	43.325	0.926	0.574	1212.876	221.584
183.400	29.997	43.313	0.926	0.574	1212.876	221.412
183.600	29.940	43.302	0.925	0.575	1212.875	221.240
183.800	29.883	43.291	0.925	0.575	1212.875	221.068
184.000	29.826	43.280	0.925	0.575	1212.875	220.897
184.200	29.769	43.269	0.924	0.576	1212.874	220.725
184.400	29.711	43.258	0.924	0.576	1212.874	220.553
184.600	29.654	43.246	0.923	0.577	1212.873	220.381
184.800	29.597	43.235	0.923	0.577	1212.873	220.210
185.000	29.540	43.224	0.922	0.578	1212.872	220.038
185.200	29.483	43.213	0.922	0.578	1212.872	219.866
185.400	29.426	43.202	0.921	0.579	1212.871	219.695
185.600	29.368	43.191	0.921	0.579	1212.871	219.523
185.800	29.311	43.179	0.920	0.580	1212.870	219.352
186.000	29.254	43.168	0.920	0.580	1212.870	219.180
186.200	29.194	43.157	0.920	0.580	1212.870	219.009
186.400	29.132	43.146	0.919	0.581	1212.869	218.837
186.600	29.070	43.135	0.919	0.581	1212.869	218.666
186.800	29.007	43.124	0.918	0.582	1212.868	218.495
187.000	28.945	43.112	0.918	0.582	1212.868	218.323
187.200	28.882	43.101	0.917	0.583	1212.867	218.152
187.400	28.820	43.090	0.917	0.583	1212.867	217.981
187.600	28.758	43.079	0.916	0.584	1212.866	217.810
187.800	28.695	43.068	0.916	0.584	1212.866	217.638
188.000	28.633	43.057	0.916	0.584	1212.866	217.467
188.200	28.571	43.045	0.915	0.585	1212.865	217.296
188.400	28.508	43.034	0.915	0.585	1212.865	217.125
188.600	28.446	43.023	0.914	0.586	1212.864	216.954
188.800	28.384	43.011	0.914	0.586	1212.864	216.783
189.000	28.321	42.999	0.913	0.587	1212.863	216.612
189.200	28.259	42.987	0.913	0.587	1212.863	216.441
189.400	28.196	42.975	0.912	0.588	1212.862	216.271
189.600	28.134	42.963	0.912	0.588	1212.862	216.100
189.800	28.072	42.951	0.912	0.588	1212.862	215.929
190.000	28.009	42.939	0.911	0.589	1212.861	215.758
190.200	27.947	42.927	0.911	0.589	1212.861	215.588
190.400	27.885	42.915	0.910	0.590	1212.860	215.417
190.600	27.812	42.903	0.910	0.590	1212.860	215.246
190.800	27.725	42.891	0.909	0.591	1212.859	215.076
191.000	27.638	42.879	0.909	0.591	1212.859	214.905
191.200	27.551	42.867	0.908	0.592	1212.858	214.735
191.400	27.464	42.855	0.908	0.592	1212.858	214.564
191.600	27.377	42.843	0.908	0.592	1212.858	214.394
191.800	27.291	42.831	0.907	0.593	1212.857	214.223
192.000	27.204	42.819	0.907	0.593	1212.857	214.053
192.200	27.117	42.807	0.906	0.594	1212.856	213.882
192.400	27.030	42.795	0.906	0.594	1212.856	213.712
192.600	26.943	42.783	0.905	0.595	1212.855	213.542
192.800	26.856	42.771	0.905	0.595	1212.855	213.372
193.000	26.769	42.759	0.904	0.596	1212.854	213.202
193.200	26.682	42.747	0.904	0.596	1212.854	213.031
193.400	26.595	42.735	0.904	0.596	1212.854	212.861
193.600	26.508	42.723	0.903	0.597	1212.853	212.691
193.800	26.421	42.711	0.903	0.597	1212.853	212.521
194.000	26.335	42.699	0.902	0.598	1212.852	212.351
194.200	26.248	42.687	0.902	0.598	1212.852	212.181
194.400	26.161	42.675	0.901	0.599	1212.851	212.011
194.600	26.074	42.661	0.901	0.599	1212.851	211.841
194.800	25.987	42.645	0.900	0.600	1212.850	211.671

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
195.000	25.900	42.629	0.900	0.601	1212.850	211.332
195.200	25.813	42.613	0.899	0.601	1212.849	211.106
195.400	25.726	42.597	0.898	0.602	1212.848	210.879
195.600	25.639	42.581	0.898	0.602	1212.848	210.653
195.800	25.552	42.565	0.897	0.603	1212.847	210.427
196.000	25.466	42.549	0.897	0.603	1212.847	210.201
196.200	25.379	42.533	0.896	0.604	1212.846	209.975
196.400	25.292	42.517	0.895	0.605	1212.845	209.749
196.600	25.205	42.501	0.895	0.605	1212.845	209.523
196.800	25.118	42.485	0.894	0.606	1212.844	209.297
197.000	25.027	42.469	0.894	0.606	1212.844	209.072
197.200	24.933	42.453	0.893	0.607	1212.843	208.846
197.400	24.839	42.437	0.892	0.608	1212.842	208.620
197.600	24.745	42.421	0.892	0.608	1212.842	208.395
197.800	24.651	42.405	0.891	0.609	1212.841	208.169
198.000	24.557	42.389	0.891	0.609	1212.841	207.944
198.200	24.462	42.372	0.890	0.610	1212.840	207.719
198.400	24.368	42.356	0.889	0.611	1212.839	207.493
198.600	24.274	42.340	0.889	0.611	1212.839	207.268
198.800	24.180	42.324	0.888	0.612	1212.838	207.043
199.000	24.086	42.308	0.888	0.612	1212.838	206.818
199.200	23.992	42.292	0.887	0.613	1212.837	206.593
199.400	23.898	42.276	0.886	0.614	1212.836	206.368
199.600	23.803	42.260	0.886	0.614	1212.836	206.143
199.800	23.709	42.244	0.885	0.615	1212.835	205.918
200.000	23.615	42.228	0.885	0.615	1212.835	205.693
200.200	23.521	42.212	0.884	0.616	1212.834	205.469
200.400	23.427	42.196	0.883	0.617	1212.833	205.244
200.600	23.333	42.180	0.883	0.617	1212.833	205.020
200.800	23.239	42.164	0.882	0.618	1212.832	204.795
201.000	23.144	42.148	0.882	0.618	1212.832	204.571
201.200	23.050	42.132	0.881	0.619	1212.831	204.346
201.400	22.956	42.116	0.880	0.620	1212.830	204.122
201.600	22.862	42.100	0.880	0.620	1212.830	203.898
201.800	22.768	42.084	0.879	0.621	1212.829	203.674
202.000	22.674	42.068	0.879	0.621	1212.829	203.449
202.200	22.579	42.052	0.878	0.622	1212.828	203.225
202.400	22.485	42.036	0.877	0.623	1212.827	203.001
202.600	22.391	42.020	0.877	0.623	1212.827	202.778
202.800	22.297	42.004	0.876	0.624	1212.826	202.554
203.000	22.203	41.988	0.876	0.624	1212.826	202.330
203.200	22.109	41.972	0.875	0.625	1212.825	202.106
203.400	22.015	41.956	0.875	0.626	1212.825	201.883
203.600	21.920	41.940	0.874	0.626	1212.824	201.659
203.800	21.826	41.924	0.873	0.627	1212.823	201.436
204.000	21.732	41.908	0.873	0.627	1212.823	201.212
204.200	21.638	41.892	0.872	0.628	1212.822	200.989
204.400	21.544	41.876	0.872	0.628	1212.822	200.765
204.600	21.450	41.860	0.871	0.629	1212.821	200.542
204.800	21.356	41.844	0.870	0.630	1212.820	200.319
205.000	21.254	41.828	0.870	0.630	1212.820	200.096
205.200	21.153	41.812	0.869	0.631	1212.819	199.873
205.400	21.051	41.796	0.869	0.631	1212.819	199.650
205.600	20.950	41.780	0.868	0.632	1212.818	199.427
205.800	20.849	41.764	0.867	0.633	1212.817	199.204
206.000	20.747	41.748	0.867	0.633	1212.817	198.981
206.200	20.646	41.732	0.866	0.634	1212.816	198.758
206.400	20.544	41.716	0.865	0.635	1212.815	198.535
206.600	20.443	41.700	0.864	0.636	1212.814	198.312
206.800	20.342	41.684	0.864	0.636	1212.814	198.089
207.000	20.240	41.668	0.863	0.637	1212.813	197.866
207.200	20.139	41.652	0.862	0.638	1212.812	197.643
207.400	20.037	41.636	0.861	0.639	1212.811	197.420
207.600	19.936	41.620	0.861	0.639	1212.811	197.197
207.800	19.835	41.604	0.860	0.640	1212.810	196.974
208.000	19.733	41.588	0.859	0.641	1212.809	196.751
208.200	19.632	41.572	0.858	0.642	1212.808	196.528
208.400	19.530	41.556	0.858	0.642	1212.808	196.305
208.600	19.429	41.540	0.857	0.643	1212.807	196.082
208.800	19.328	41.524	0.856	0.644	1212.806	195.859
209.000	19.226	41.508	0.855	0.645	1212.805	195.636
209.200	19.125	41.492	0.855	0.645	1212.805	195.413
209.400	19.024	41.476	0.854	0.646	1212.804	195.190
209.600	18.922	41.460	0.853	0.647	1212.803	194.967
209.800	18.821	41.444	0.852	0.648	1212.802	194.744
210.000	18.720	41.428	0.852	0.648	1212.802	194.521
210.200	18.619	41.412	0.851	0.649	1212.801	194.298
210.400	18.518	41.396	0.850	0.650	1212.800	194.075
210.600	18.417	41.380	0.849	0.651	1212.799	193.852
210.800	18.316	41.364	0.849	0.651	1212.799	193.629
211.000	18.215	41.348	0.848	0.652	1212.798	193.406
211.200	18.114	41.332	0.847	0.653	1212.797	193.183
211.400	18.013	41.316	0.846	0.654	1212.796	192.960

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
211.600	17.836	41.183	0.846	0.654	1212.796	191.142
211.800	17.727	41.163	0.845	0.655	1212.795	190.866
212.000	17.619	41.143	0.844	0.656	1212.794	190.591
212.200	17.510	41.123	0.843	0.657	1212.793	190.316
212.400	17.357	41.103	0.843	0.657	1212.793	190.040
212.600	17.174	41.083	0.842	0.658	1212.792	189.765
212.800	16.991	41.063	0.841	0.659	1212.791	189.490
213.000	16.809	41.043	0.840	0.660	1212.790	189.215
213.200	16.626	41.023	0.840	0.660	1212.790	188.941
213.400	16.443	41.003	0.839	0.661	1212.789	188.666
213.600	16.261	40.983	0.838	0.662	1212.788	188.391
213.800	16.078	40.963	0.838	0.662	1212.788	188.117
214.000	15.895	40.943	0.837	0.663	1212.787	187.843
214.200	15.712	40.923	0.836	0.664	1212.786	187.568
214.400	15.530	40.899	0.835	0.665	1212.785	187.293
214.600	15.347	40.875	0.834	0.666	1212.784	187.018
214.800	15.164	40.851	0.833	0.667	1212.783	186.743
215.000	14.982	40.827	0.832	0.668	1212.782	186.468
215.200	14.799	40.803	0.831	0.669	1212.781	186.193
215.400	14.616	40.779	0.831	0.669	1212.781	185.918
215.600	14.434	40.755	0.830	0.670	1212.780	185.643
215.800	14.251	40.731	0.829	0.671	1212.779	185.368
216.000	14.068	40.707	0.828	0.672	1212.778	185.093
216.200	13.885	40.682	0.827	0.673	1212.777	184.818
216.400	13.703	40.658	0.826	0.674	1212.776	184.543
216.600	13.520	40.634	0.825	0.675	1212.775	184.268
216.800	13.337	40.610	0.824	0.676	1212.774	183.993
217.000	13.155	40.586	0.823	0.677	1212.773	183.718
217.200	12.972	40.562	0.823	0.677	1212.773	183.443
217.400	12.789	40.538	0.822	0.678	1212.772	183.168
217.600	12.594	40.514	0.821	0.679	1212.771	182.893
217.800	12.399	40.490	0.820	0.680	1212.770	182.618
218.000	12.205	40.466	0.819	0.681	1212.769	182.343
218.200	12.010	40.442	0.818	0.682	1212.768	182.068
218.400	11.815	40.418	0.817	0.683	1212.767	181.793
218.600	11.620	40.394	0.816	0.684	1212.766	181.518
218.800	11.425	40.370	0.815	0.685	1212.765	181.243
219.000	11.230	40.346	0.815	0.685	1212.765	180.968
219.200	11.035	40.322	0.814	0.686	1212.764	180.693
219.400	10.840	40.298	0.813	0.687	1212.763	180.418
219.600	10.646	40.270	0.812	0.688	1212.762	180.143
219.800	10.451	40.242	0.811	0.689	1212.761	179.868
220.000	10.256	40.214	0.810	0.690	1212.760	179.593
220.200	10.061	40.186	0.809	0.692	1212.759	179.318
220.400	9.866	40.158	0.807	0.693	1212.757	179.043
220.600	9.671	40.130	0.806	0.694	1212.756	178.768
220.800	9.476	40.102	0.805	0.695	1212.755	178.493
221.000	9.281	40.074	0.804	0.696	1212.754	178.218
221.200	9.086	40.046	0.803	0.697	1212.753	177.943
221.400	8.892	40.018	0.802	0.698	1212.752	177.668
221.600	8.697	39.990	0.801	0.699	1212.751	177.393
221.800	8.502	39.962	0.800	0.700	1212.750	177.118
222.000	8.307	39.934	0.799	0.701	1212.749	176.843
222.200	8.112	39.906	0.798	0.702	1212.748	176.568
222.400	7.917	39.878	0.797	0.703	1212.747	176.293
222.600	7.722	39.849	0.796	0.704	1212.746	176.018
222.800	7.527	39.821	0.795	0.705	1212.745	175.743
223.000	7.332	39.793	0.794	0.706	1212.744	175.468
223.200	7.138	39.765	0.793	0.707	1212.743	175.193
223.400	6.943	39.737	0.792	0.708	1212.742	174.918
223.600	6.748	39.709	0.791	0.709	1212.741	174.643
223.800	6.553	39.681	0.790	0.710	1212.740	174.368
224.000	6.358	39.653	0.789	0.711	1212.739	174.093
224.200	6.163	39.625	0.788	0.712	1212.738	173.818
224.400	5.968	39.593	0.786	0.714	1212.736	173.543
224.600	5.773	39.561	0.785	0.715	1212.735	173.268
224.800	5.579	39.529	0.784	0.716	1212.734	172.993
225.000	5.384	39.497	0.783	0.717	1212.733	172.718
225.200	5.177	39.465	0.782	0.718	1212.732	172.443
225.400	4.970	39.433	0.780	0.720	1212.730	172.168
225.600	4.762	39.401	0.779	0.721	1212.729	171.893
225.800	4.555	39.369	0.778	0.722	1212.728	171.618
226.000	4.348	39.337	0.777	0.723	1212.727	171.343
226.200	4.141	39.305	0.776	0.724	1212.726	171.068
226.400	3.934	39.273	0.774	0.726	1212.724	170.793
226.600	3.727	39.241	0.773	0.727	1212.723	170.518
226.800	3.520	39.209	0.772	0.728	1212.722	170.243
227.000	3.325	39.177	0.771	0.729	1212.721	170.018
227.200	3.130	39.145	0.770	0.730	1212.720	169.743
227.400	2.935	39.113	0.769	0.731	1212.719	169.468
227.600	2.747	39.081	0.767	0.733	1212.717	169.193
227.800	2.564	39.049	0.766	0.734	1212.716	168.918
228.000	2.381	39.016	0.765	0.735	1212.715	168.643

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
228.200	2.205	38.984	0.764	0.736	1212.714	161.420
228.400	2.034	38.952	0.763	0.737	1212.713	160.998
228.600	1.864	38.920	0.761	0.739	1212.711	160.575
228.800	1.705	38.885	0.760	0.740	1212.710	160.153
229.000	1.547	38.849	0.759	0.741	1212.709	159.731
229.200	1.401	38.811	0.758	0.742	1212.708	159.256
229.400	1.261	38.770	0.756	0.744	1212.706	158.782
229.600	1.127	38.730	0.755	0.745	1212.705	158.308
229.800	1.005	38.690	0.754	0.746	1212.704	157.835
230.000	0.889	38.649	0.752	0.748	1212.702	157.362
230.200	0.780	38.609	0.751	0.749	1212.701	156.889
230.400	0.682	38.569	0.750	0.750	1212.700	156.416
230.600	0.591	38.528	0.748	0.752	1212.698	155.944
230.800	0.505	38.488	0.747	0.753	1212.697	155.472
231.000	0.432	38.448	0.746	0.754	1212.696	155.001
231.200	0.365	38.407	0.744	0.756	1212.694	154.529
231.400	0.305	38.367	0.743	0.757	1212.693	154.059
231.600	0.256	38.327	0.742	0.758	1212.692	153.588
231.800	0.213	38.286	0.740	0.760	1212.690	153.118
232.000	0.177	38.246	0.739	0.761	1212.689	152.648
232.200	0.146	38.206	0.738	0.762	1212.688	152.178
232.400	0.122	38.166	0.736	0.764	1212.686	151.709
232.600	0.097	38.125	0.735	0.765	1212.685	151.240
232.800	0.079	38.085	0.734	0.766	1212.684	150.772
233.000	0.067	38.045	0.732	0.768	1212.682	150.303
233.200	0.055	38.004	0.731	0.769	1212.681	149.836
233.400	0.043	37.964	0.730	0.770	1212.680	149.368
233.600	0.030	37.924	0.728	0.772	1212.678	148.901
233.800	0.024	37.883	0.727	0.773	1212.677	148.434
234.000	0.024	37.843	0.726	0.774	1212.676	147.967
234.200	0.024	37.803	0.724	0.776	1212.674	147.501
234.400	0.024	37.762	0.723	0.777	1212.673	147.035
234.600	0.024	37.722	0.722	0.778	1212.672	146.569
234.800	0.024	37.682	0.720	0.780	1212.670	146.104
235.000	0.024	37.641	0.719	0.781	1212.669	145.639
235.200	0.024	37.601	0.717	0.783	1212.667	145.175
235.400	0.024	37.561	0.716	0.784	1212.666	144.710
235.600	0.024	37.520	0.715	0.785	1212.665	144.246
235.800	0.024	37.480	0.713	0.787	1212.663	143.783
236.000	0.024	37.440	0.712	0.788	1212.662	143.319
236.200	0.024	37.400	0.711	0.789	1212.661	142.856
236.400	0.024	37.359	0.709	0.791	1212.659	142.394
236.600	0.024	37.319	0.708	0.792	1212.658	141.931
236.800	0.024	37.279	0.707	0.793	1212.657	141.469
237.000	0.024	37.238	0.705	0.795	1212.655	141.008
237.200	0.024	37.198	0.704	0.796	1212.654	140.547
237.400	0.024	37.158	0.703	0.797	1212.653	140.086
237.600	0.024	37.117	0.701	0.799	1212.651	139.625
237.800	0.024	37.077	0.700	0.800	1212.650	139.165
238.000	0.024	37.037	0.699	0.801	1212.649	138.704
238.200	0.024	36.996	0.697	0.803	1212.647	138.245
238.400	0.024	36.956	0.696	0.804	1212.646	137.785
238.600	0.024	36.916	0.695	0.805	1212.645	137.326
238.800	0.024	36.875	0.693	0.807	1212.643	136.868
239.000	0.024	36.835	0.692	0.808	1212.642	136.409
239.200	0.024	36.795	0.691	0.809	1212.641	135.951
239.400	0.024	36.754	0.689	0.811	1212.639	135.494
239.600	0.024	36.714	0.688	0.812	1212.638	135.036
239.800	0.024	36.674	0.687	0.813	1212.637	134.579
240.000	0.024	36.633	0.685	0.815	1212.635	134.122
240.200	0.024	36.593	0.684	0.816	1212.634	133.666
240.400	0.024	36.553	0.683	0.817	1212.633	133.210
240.600	0.024	36.513	0.681	0.819	1212.631	132.754
240.800	0.024	36.472	0.680	0.820	1212.630	132.299
241.000	0.024	36.432	0.679	0.821	1212.629	131.844
241.200	0.024	36.392	0.677	0.823	1212.627	131.389
241.400	0.024	36.351	0.676	0.824	1212.626	130.935
241.600	0.024	36.311	0.675	0.825	1212.625	130.480
241.800	0.024	36.271	0.673	0.827	1212.623	130.027
242.000	0.024	36.230	0.672	0.828	1212.622	129.573
242.200	0.024	36.190	0.671	0.829	1212.621	129.120
242.400	0.024	36.150	0.669	0.831	1212.619	128.667
242.600	0.024	36.109	0.668	0.832	1212.618	128.215
242.800	0.024	36.069	0.667	0.833	1212.617	127.763
243.000	0.024	36.029	0.665	0.835	1212.615	127.311
243.200	0.024	35.988	0.664	0.836	1212.614	126.859
243.400	0.024	35.948	0.663	0.837	1212.613	126.408
243.600	0.024	35.908	0.661	0.839	1212.611	125.957
243.800	0.024	35.867	0.660	0.840	1212.610	125.507
244.000	0.024	35.827	0.659	0.841	1212.609	125.057
244.200	0.024	35.787	0.657	0.843	1212.607	124.607
244.400	0.024	35.746	0.656	0.844	1212.606	124.157
244.600	0.024	35.706	0.655	0.845	1212.605	123.708

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
244.800	0.024	35.666	0.653	0.847	1212.603	123.259
245.000	0.024	35.626	0.652	0.848	1212.602	122.811
245.200	0.024	35.585	0.651	0.849	1212.601	122.363
245.400	0.024	35.545	0.649	0.851	1212.599	121.915
245.600	0.024	35.505	0.648	0.852	1212.598	121.467
245.800	0.024	35.464	0.647	0.854	1212.597	121.020
246.000	0.024	35.424	0.645	0.855	1212.595	120.573
246.200	0.024	35.384	0.644	0.856	1212.594	120.126
246.400	0.024	35.343	0.642	0.858	1212.592	119.680
246.600	0.024	35.303	0.641	0.859	1212.591	119.234
246.800	0.024	35.263	0.640	0.860	1212.590	118.789
247.000	0.024	35.222	0.638	0.862	1212.588	118.343
247.200	0.024	35.182	0.637	0.863	1212.587	117.899
247.400	0.024	35.142	0.636	0.864	1212.586	117.454
247.600	0.024	35.101	0.634	0.866	1212.584	117.010
247.800	0.024	35.061	0.633	0.867	1212.583	116.566
248.000	0.024	35.021	0.632	0.868	1212.582	116.122
248.200	0.024	34.980	0.630	0.870	1212.580	115.679
248.400	0.024	34.940	0.629	0.871	1212.579	115.236
248.600	0.024	34.900	0.628	0.872	1212.578	114.793
248.800	0.024	34.859	0.626	0.874	1212.576	114.351
249.000	0.024	34.819	0.625	0.875	1212.575	113.909
249.200	0.024	34.779	0.624	0.876	1212.574	113.492
249.400	0.024	34.743	0.623	0.877	1212.573	113.100
249.600	0.024	34.707	0.621	0.879	1212.571	112.707
249.800	0.024	34.671	0.620	0.880	1212.570	112.316
250.000	0.024	34.635	0.619	0.881	1212.569	111.924
250.200	0.024	34.600	0.618	0.882	1212.568	111.533
250.400	0.024	34.564	0.617	0.883	1212.567	111.142
250.600	0.024	34.528	0.615	0.885	1212.565	110.751
250.800	0.024	34.492	0.614	0.886	1212.564	110.361
251.000	0.024	34.456	0.613	0.887	1212.563	109.970
251.200	0.024	34.420	0.612	0.888	1212.562	109.580
251.400	0.024	34.385	0.611	0.889	1212.561	109.191
251.600	0.024	34.349	0.610	0.890	1212.560	108.801
251.800	0.024	34.310	0.608	0.892	1212.558	108.412
252.000	0.024	34.268	0.607	0.893	1212.557	108.023
252.200	0.024	34.227	0.606	0.894	1212.556	107.634
252.400	0.024	34.186	0.605	0.895	1212.555	107.246
252.600	0.024	34.144	0.604	0.896	1212.554	106.858
252.800	0.024	34.103	0.602	0.898	1212.552	106.470
253.000	0.024	34.061	0.601	0.899	1212.551	106.082
253.200	0.024	34.020	0.600	0.900	1212.550	105.695
253.400	0.024	33.978	0.599	0.901	1212.549	105.307
253.600	0.024	33.937	0.598	0.902	1212.548	104.921
253.800	0.024	33.895	0.596	0.904	1212.546	104.534
254.000	0.024	33.854	0.595	0.905	1212.545	104.148
254.200	0.024	33.813	0.594	0.906	1212.544	103.761
254.400	0.024	33.771	0.593	0.907	1212.543	103.376
254.600	0.024	33.730	0.592	0.908	1212.542	102.990
254.800	0.024	33.688	0.590	0.910	1212.540	102.605
255.000	0.024	33.647	0.589	0.911	1212.539	102.220
255.200	0.024	33.605	0.588	0.912	1212.538	101.835
255.400	0.024	33.564	0.587	0.913	1212.537	101.450
255.600	0.024	33.523	0.586	0.914	1212.536	101.066
255.800	0.024	33.481	0.585	0.915	1212.535	100.682
256.000	0.024	33.440	0.583	0.917	1212.533	100.298
256.200	0.024	33.398	0.582	0.918	1212.532	99.915
256.400	0.024	33.357	0.581	0.919	1212.531	99.531
256.600	0.024	33.315	0.580	0.920	1212.530	99.148
256.800	0.024	33.274	0.579	0.921	1212.529	98.766
257.000	0.024	33.233	0.577	0.923	1212.527	98.383
257.200	0.024	33.191	0.576	0.924	1212.526	98.001
257.400	0.024	33.150	0.575	0.925	1212.525	97.619
257.600	0.024	33.108	0.574	0.926	1212.524	97.237
257.800	0.024	33.067	0.573	0.927	1212.523	96.856
258.000	0.024	33.025	0.571	0.929	1212.521	96.474
258.200	0.024	32.984	0.570	0.930	1212.520	96.093
258.400	0.024	32.943	0.569	0.931	1212.519	95.713
258.600	0.024	32.901	0.568	0.932	1212.518	95.332
258.800	0.024	32.860	0.567	0.933	1212.517	94.952
259.000	0.024	32.818	0.565	0.935	1212.515	94.572
259.200	0.024	32.777	0.564	0.936	1212.514	94.193
259.400	0.024	32.735	0.563	0.937	1212.513	93.813
259.600	0.024	32.694	0.562	0.938	1212.512	93.434
259.800	0.024	32.653	0.561	0.939	1212.511	93.055
260.000	0.024	32.611	0.560	0.940	1212.510	92.677
260.200	0.024	32.570	0.558	0.942	1212.508	92.298
260.400	0.024	32.528	0.557	0.943	1212.507	91.920
260.600	0.024	32.487	0.556	0.944	1212.506	91.542
260.800	0.024	32.445	0.555	0.945	1212.505	91.165
261.000	0.024	32.404	0.554	0.946	1212.504	90.787
261.200	0.024	32.362	0.552	0.948	1212.502	90.410

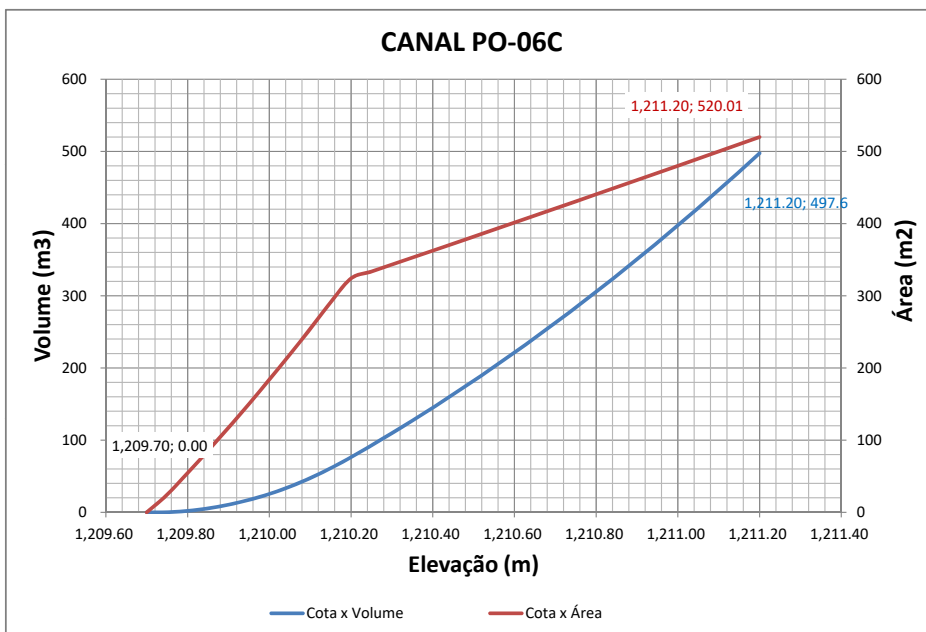
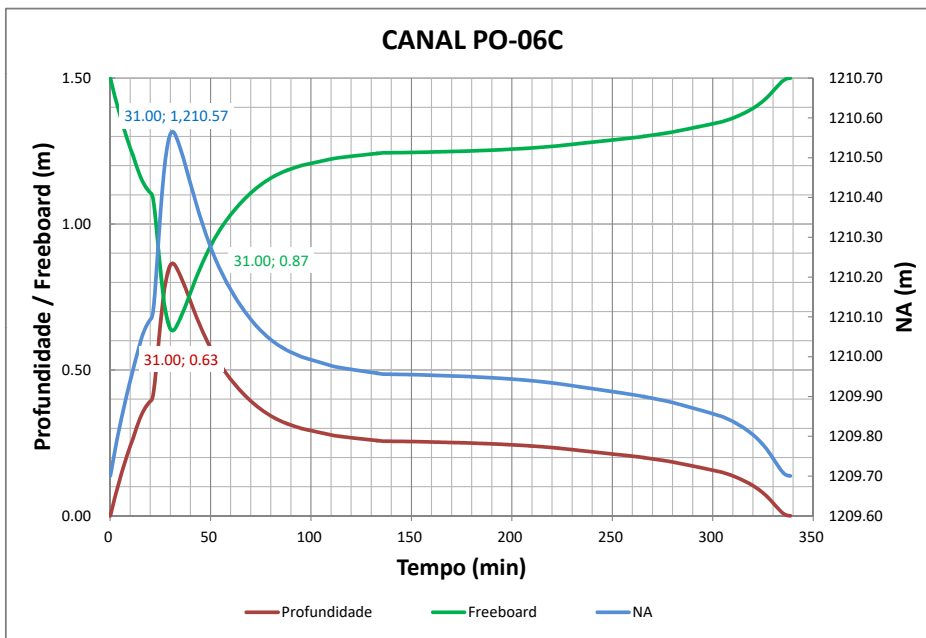
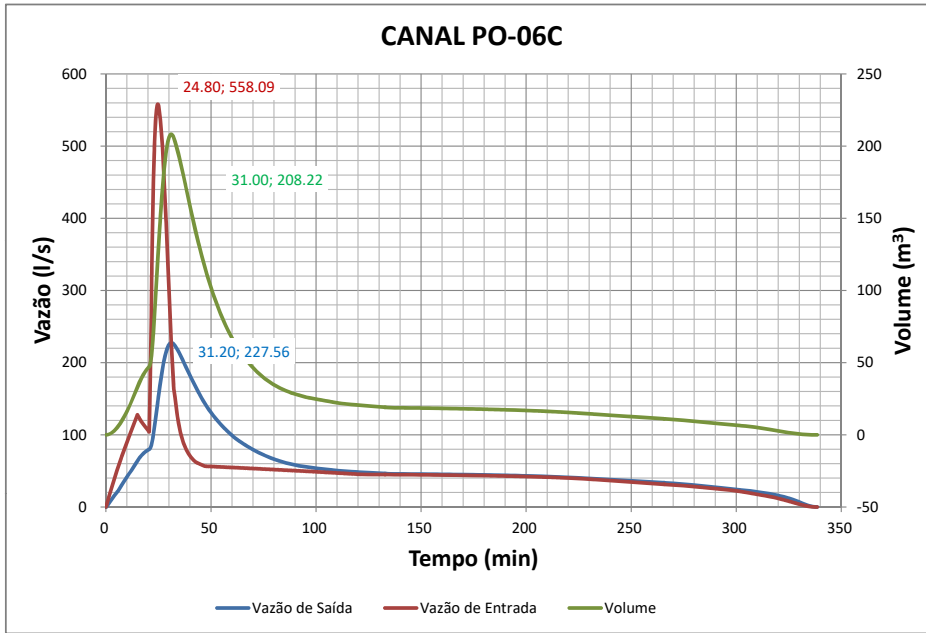
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
261.400	0.024	32.321	0.551	0.949	1212.501	90.033
261.600	0.024	32.280	0.550	0.950	1212.500	89.657
261.800	0.024	32.238	0.549	0.951	1212.499	89.280
262.000	0.024	32.197	0.548	0.952	1212.498	88.904
262.200	0.024	32.155	0.546	0.954	1212.496	88.529
262.400	0.024	32.114	0.545	0.955	1212.495	88.153
262.600	0.024	32.072	0.544	0.956	1212.494	87.778
262.800	0.024	32.031	0.543	0.957	1212.493	87.403
263.000	0.024	31.990	0.542	0.958	1212.492	87.028
263.200	0.024	31.948	0.540	0.960	1212.490	86.654
263.400	0.024	31.907	0.539	0.961	1212.489	86.279
263.600	0.024	31.865	0.538	0.962	1212.488	85.905
263.800	0.024	31.824	0.537	0.963	1212.487	85.532
264.000	0.024	31.782	0.536	0.964	1212.486	85.158
264.200	0.024	31.741	0.535	0.966	1212.485	84.785
264.400	0.024	31.700	0.533	0.967	1212.483	84.412
264.600	0.024	31.658	0.532	0.968	1212.482	84.039
264.800	0.024	31.617	0.531	0.969	1212.481	83.667
265.000	0.024	31.575	0.530	0.970	1212.480	83.295
265.200	0.024	31.534	0.529	0.971	1212.479	82.923
265.400	0.024	31.492	0.527	0.973	1212.477	82.551
265.600	0.024	31.451	0.526	0.974	1212.476	82.180
265.800	0.024	31.410	0.525	0.975	1212.475	81.808
266.000	0.024	31.368	0.524	0.976	1212.474	81.438
266.200	0.024	31.327	0.523	0.977	1212.473	81.067
266.400	0.024	31.285	0.521	0.979	1212.471	80.697
266.600	0.024	31.244	0.520	0.980	1212.470	80.326
266.800	0.024	31.202	0.519	0.981	1212.469	79.957
267.000	0.024	31.161	0.518	0.982	1212.468	79.587
267.200	0.024	31.120	0.517	0.983	1212.467	79.218
267.400	0.024	31.078	0.515	0.985	1212.465	78.848
267.600	0.024	31.037	0.514	0.986	1212.464	78.480
267.800	0.024	30.995	0.513	0.987	1212.463	78.111
268.000	0.024	30.954	0.512	0.988	1212.462	77.743
268.200	0.024	30.912	0.511	0.989	1212.461	77.375
268.400	0.024	30.871	0.510	0.991	1212.460	77.007
268.600	0.024	30.830	0.508	0.992	1212.458	76.639
268.800	0.024	30.788	0.507	0.993	1212.457	76.272
269.000	0.024	30.747	0.506	0.994	1212.456	75.905
269.200	0.024	30.705	0.505	0.995	1212.455	75.538
269.400	0.024	30.664	0.504	0.996	1212.454	75.172
269.600	0.024	30.622	0.502	0.998	1212.452	74.806
269.800	0.024	30.581	0.501	0.999	1212.451	74.440
270.000	0.024	30.539	0.500	1.000	1212.450	74.074
270.200	0.024	30.498	0.499	1.001	1212.449	73.709
270.400	0.024	30.457	0.498	1.002	1212.448	73.344
270.600	0.024	30.415	0.496	1.004	1212.446	72.981
270.800	0.024	30.374	0.495	1.005	1212.445	72.618
271.000	0.024	30.332	0.494	1.006	1212.444	72.257
271.200	0.024	30.291	0.493	1.007	1212.443	71.896
271.400	0.024	30.249	0.492	1.008	1212.442	71.536
271.600	0.024	30.208	0.490	1.010	1212.440	71.177
271.800	0.024	30.167	0.489	1.011	1212.439	70.819
272.000	0.024	30.125	0.488	1.012	1212.438	70.461
272.200	0.024	30.084	0.487	1.013	1212.437	70.105
272.400	0.024	30.042	0.486	1.014	1212.436	69.749
272.600	0.024	30.001	0.485	1.016	1212.435	69.395
272.800	0.024	29.959	0.483	1.017	1212.433	69.041
273.000	0.024	29.918	0.482	1.018	1212.432	68.688
273.200	0.024	29.877	0.481	1.019	1212.431	68.336
273.400	0.024	29.835	0.480	1.020	1212.430	67.985
273.600	0.024	29.794	0.479	1.021	1212.429	67.634
273.800	0.024	29.752	0.477	1.023	1212.427	67.285
274.000	0.024	29.711	0.476	1.024	1212.426	66.936
274.200	0.024	29.669	0.475	1.025	1212.425	66.588
274.400	0.024	29.628	0.474	1.026	1212.424	66.242
274.600	0.024	29.587	0.473	1.027	1212.423	65.896
274.800	0.024	29.545	0.471	1.029	1212.421	65.551
275.000	0.024	29.504	0.470	1.030	1212.420	65.206
275.200	0.024	29.462	0.469	1.031	1212.419	64.863
275.400	0.024	29.421	0.468	1.032	1212.418	64.520
275.600	0.024	29.379	0.467	1.033	1212.417	64.179
275.800	0.024	29.338	0.465	1.035	1212.415	63.838
276.000	0.024	29.297	0.464	1.036	1212.414	63.498
276.200	0.024	29.255	0.463	1.037	1212.413	63.159
276.400	0.024	29.214	0.462	1.038	1212.412	62.821
276.600	0.024	29.172	0.461	1.039	1212.411	62.484
276.800	0.024	29.131	0.459	1.041	1212.409	62.147
277.000	0.024	29.089	0.458	1.042	1212.408	61.812
277.200	0.024	29.048	0.457	1.043	1212.407	61.477
277.400	0.024	29.007	0.456	1.044	1212.406	61.144
277.600	0.024	28.965	0.455	1.045	1212.405	60.811
277.800	0.024	28.924	0.454	1.046	1212.404	60.479

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
278.000	0.024	28.848	0.452	1.048	1212.402	60.148
278.200	0.024	28.797	0.451	1.049	1212.401	59.817
278.400	0.024	28.746	0.450	1.050	1212.400	59.488
278.600	0.024	28.696	0.449	1.051	1212.399	59.159
278.800	0.024	28.645	0.448	1.052	1212.398	58.832
279.000	0.024	28.594	0.446	1.054	1212.396	58.505
279.200	0.024	28.543	0.445	1.055	1212.395	58.180
279.400	0.024	28.492	0.444	1.056	1212.394	57.855
279.600	0.024	28.441	0.443	1.057	1212.393	57.531
279.800	0.024	28.390	0.442	1.058	1212.392	57.209
280.000	0.024	28.339	0.440	1.060	1212.390	56.887
280.200	0.024	28.288	0.439	1.061	1212.389	56.566
280.400	0.024	28.237	0.438	1.062	1212.388	56.247
280.600	0.024	28.186	0.437	1.063	1212.387	55.928
280.800	0.024	28.135	0.436	1.064	1212.386	55.610
281.000	0.024	28.084	0.434	1.066	1212.384	55.274
281.200	0.024	28.027	0.433	1.067	1212.383	54.918
281.400	0.024	27.970	0.432	1.068	1212.382	54.564
281.600	0.024	27.912	0.430	1.070	1212.380	54.212
281.800	0.024	27.855	0.429	1.071	1212.379	53.860
282.000	0.024	27.798	0.428	1.072	1212.378	53.510
282.200	0.024	27.740	0.426	1.074	1212.376	53.161
282.400	0.024	27.683	0.425	1.075	1212.375	52.813
282.600	0.024	27.626	0.424	1.076	1212.374	52.466
282.800	0.024	27.569	0.422	1.078	1212.372	52.121
283.000	0.024	27.511	0.421	1.079	1212.371	51.777
283.200	0.024	27.454	0.420	1.080	1212.370	51.434
283.400	0.024	27.397	0.418	1.082	1212.368	51.092
283.600	0.024	27.339	0.417	1.083	1212.367	50.752
283.800	0.024	27.282	0.416	1.084	1212.366	50.413
284.000	0.024	27.225	0.414	1.086	1212.364	50.075
284.200	0.024	27.167	0.413	1.087	1212.363	49.738
284.400	0.024	27.110	0.412	1.088	1212.362	49.402
284.600	0.024	27.053	0.410	1.090	1212.360	49.068
284.800	0.024	26.996	0.409	1.091	1212.359	48.735
285.000	0.024	26.938	0.408	1.092	1212.358	48.403
285.200	0.024	26.881	0.406	1.094	1212.356	48.073
285.400	0.024	26.824	0.405	1.095	1212.355	47.743
285.600	0.024	26.766	0.404	1.096	1212.354	47.415
285.800	0.024	26.709	0.402	1.098	1212.352	47.088
286.000	0.024	26.652	0.401	1.099	1212.351	46.763
286.200	0.024	26.594	0.400	1.100	1212.350	46.438
286.400	0.024	26.537	0.398	1.102	1212.348	46.115
286.600	0.024	26.480	0.397	1.103	1212.347	45.793
286.800	0.024	26.422	0.396	1.104	1212.346	45.472
287.000	0.024	26.365	0.394	1.106	1212.344	45.152
287.200	0.024	26.308	0.393	1.107	1212.343	44.834
287.400	0.024	26.251	0.392	1.108	1212.342	44.517
287.600	0.024	26.193	0.390	1.110	1212.340	44.201
287.800	0.024	26.136	0.389	1.111	1212.339	43.886
288.000	0.024	26.079	0.388	1.112	1212.338	43.572
288.200	0.024	26.021	0.386	1.114	1212.336	43.260
288.400	0.024	25.964	0.385	1.115	1212.335	42.948
288.600	0.024	25.907	0.384	1.116	1212.334	42.638
288.800	0.024	25.849	0.382	1.118	1212.332	42.329
289.000	0.024	25.792	0.381	1.119	1212.331	42.022
289.200	0.024	25.735	0.380	1.121	1212.330	41.715
289.400	0.024	25.678	0.378	1.122	1212.328	41.410
289.600	0.024	25.620	0.377	1.123	1212.327	41.106
289.800	0.024	25.563	0.375	1.125	1212.325	40.803
290.000	0.024	25.506	0.374	1.126	1212.324	40.501
290.200	0.024	25.448	0.373	1.127	1212.323	40.201
290.400	0.024	25.391	0.371	1.129	1212.321	39.901
290.600	0.024	25.334	0.370	1.130	1212.320	39.603
290.800	0.024	25.276	0.369	1.131	1212.319	39.306
291.000	0.024	25.219	0.367	1.133	1212.317	39.011
291.200	0.024	25.162	0.366	1.134	1212.316	38.716
291.400	0.024	25.104	0.365	1.135	1212.315	38.423
291.600	0.024	25.047	0.363	1.137	1212.313	38.131
291.800	0.024	24.990	0.362	1.138	1212.312	37.840
292.000	0.024	24.933	0.361	1.139	1212.311	37.550
292.200	0.024	24.875	0.359	1.141	1212.309	37.262
292.400	0.024	24.818	0.358	1.142	1212.308	36.974
292.600	0.024	24.761	0.357	1.143	1212.307	36.688
292.800	0.024	24.703	0.355	1.145	1212.305	36.403
293.000	0.024	24.646	0.354	1.146	1212.304	36.120
293.200	0.024	24.589	0.353	1.147	1212.303	35.837
293.400	0.024	24.531	0.351	1.149	1212.301	35.556
293.600	0.024	24.474	0.350	1.150	1212.300	35.276
293.800	0.024	24.417	0.349	1.151	1212.299	34.997
294.000	0.024	24.360	0.347	1.153	1212.297	34.719
294.200	0.024	24.302	0.346	1.154	1212.296	34.442
294.400	0.024	24.245	0.345	1.155	1212.295	34.167

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
294.600	0.024	24.184	0.343	1.157	1212.293	33.862
294.800	0.024	24.121	0.342	1.158	1212.292	33.559
295.000	0.024	24.057	0.340	1.160	1212.290	33.257
295.200	0.024	23.993	0.339	1.161	1212.289	32.957
295.400	0.024	23.930	0.337	1.163	1212.287	32.658
295.600	0.024	23.866	0.336	1.164	1212.286	32.360
295.800	0.024	23.802	0.334	1.166	1212.284	32.064
296.000	0.024	23.739	0.333	1.167	1212.283	31.770
296.200	0.024	23.675	0.331	1.169	1212.281	31.476
296.400	0.024	23.611	0.330	1.170	1212.280	31.185
296.600	0.024	23.548	0.328	1.172	1212.278	30.894
296.800	0.024	23.484	0.327	1.173	1212.277	30.606
297.000	0.024	23.420	0.325	1.175	1212.275	30.318
297.200	0.024	23.357	0.324	1.176	1212.274	30.032
297.400	0.024	23.293	0.322	1.178	1212.272	29.748
297.600	0.024	23.229	0.321	1.179	1212.271	29.464
297.800	0.024	23.166	0.319	1.181	1212.269	29.183
298.000	0.024	23.102	0.318	1.182	1212.268	28.903
298.200	0.024	23.038	0.316	1.184	1212.266	28.624
298.400	0.024	22.975	0.315	1.185	1212.265	28.346
298.600	0.024	22.911	0.313	1.187	1212.263	28.070
298.800	0.024	22.847	0.312	1.188	1212.262	27.796
299.000	0.024	22.784	0.310	1.190	1212.260	27.523
299.200	0.024	22.720	0.309	1.191	1212.259	27.251
299.400	0.024	22.656	0.307	1.193	1212.257	26.981
299.600	0.024	22.593	0.306	1.194	1212.256	26.713
299.800	0.024	22.529	0.304	1.196	1212.254	26.445
300.000	0.024	22.465	0.303	1.197	1212.253	26.179
300.200	0.024	22.353	0.302	1.198	1212.252	25.915
300.400	0.024	22.261	0.300	1.200	1212.250	25.652
300.600	0.024	22.169	0.299	1.201	1212.249	25.390
300.800	0.024	22.076	0.297	1.203	1212.247	25.130
301.000	0.024	21.984	0.296	1.204	1212.246	24.872
301.200	0.024	21.892	0.294	1.206	1212.244	24.614
301.400	0.024	21.800	0.293	1.207	1212.243	24.358
301.600	0.024	21.707	0.291	1.209	1212.241	24.104
301.800	0.024	21.615	0.290	1.210	1212.240	23.851
302.000	0.024	21.523	0.288	1.212	1212.238	23.599
302.200	0.024	21.431	0.287	1.213	1212.237	23.349
302.400	0.024	21.338	0.285	1.215	1212.235	23.100
302.600	0.024	21.246	0.284	1.216	1212.234	22.852
302.800	0.024	21.154	0.282	1.218	1212.232	22.606
303.000	0.024	21.062	0.281	1.219	1212.231	22.361
303.200	0.024	20.969	0.279	1.221	1212.229	22.118
303.400	0.024	20.877	0.278	1.222	1212.228	21.876
303.600	0.024	20.785	0.276	1.224	1212.226	21.635
303.800	0.024	20.693	0.275	1.225	1212.225	21.396
304.000	0.024	20.600	0.273	1.227	1212.223	21.158
304.200	0.024	20.462	0.271	1.229	1212.221	20.804
304.400	0.024	20.370	0.270	1.230	1212.220	20.570
304.600	0.024	20.278	0.268	1.232	1212.218	20.337
304.800	0.024	20.185	0.267	1.233	1212.217	20.106
305.000	0.024	20.093	0.265	1.235	1212.215	19.876
305.200	0.024	20.001	0.264	1.236	1212.214	19.647
305.400	0.024	19.909	0.262	1.238	1212.212	19.409
305.600	0.024	19.807	0.260	1.240	1212.210	19.160
305.800	0.024	19.706	0.259	1.241	1212.209	18.914
306.000	0.024	19.604	0.257	1.243	1212.207	18.669
306.200	0.024	19.503	0.255	1.245	1212.205	18.426
306.400	0.024	19.401	0.254	1.246	1212.204	18.184
306.600	0.024	19.300	0.252	1.248	1212.202	17.944
306.800	0.024	19.198	0.251	1.249	1212.201	17.706
307.000	0.024	19.097	0.249	1.251	1212.199	17.470
307.200	0.024	18.995	0.247	1.253	1212.197	17.235
307.400	0.024	18.894	0.246	1.254	1212.196	17.002
307.600	0.024	18.792	0.244	1.256	1212.194	16.770
307.800	0.024	18.691	0.242	1.258	1212.192	16.541
308.000	0.024	18.589	0.241	1.259	1212.191	16.312
308.200	0.024	18.488	0.239	1.261	1212.189	16.086
308.400	0.024	18.386	0.237	1.263	1212.187	15.861
308.600	0.024	18.285	0.236	1.264	1212.186	15.638
308.800	0.024	18.184	0.234	1.266	1212.184	15.416
309.000	0.024	18.082	0.233	1.267	1212.183	15.196
309.200	0.024	17.981	0.231	1.269	1212.181	14.978
309.400	0.024	17.879	0.229	1.271	1212.179	14.761
309.600	0.024	17.778	0.228	1.272	1212.178	14.546
309.800	0.024	17.676	0.226	1.274	1212.176	14.333
310.000	0.024	17.575	0.224	1.276	1212.174	14.121
310.200	0.024	17.473	0.223	1.277	1212.173	13.911
310.400	0.024	17.372	0.221	1.279	1212.171	13.702
310.600	0.024	17.270	0.219	1.281	1212.169	13.496
310.800	0.024	17.169	0.218	1.282	1212.168	13.290
311.000	0.024	17.067	0.216	1.284	1212.166	13.087

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
311.200	0.024	16.966	0.215	1.285	1212.165	12.885
311.400	0.024	16.864	0.213	1.287	1212.163	12.685
311.600	0.024	16.763	0.211	1.289	1212.161	12.486
311.800	0.024	16.661	0.210	1.290	1212.160	12.289
312.000	0.024	16.560	0.208	1.292	1212.158	12.094
312.200	0.024	16.458	0.206	1.294	1212.156	11.900
312.400	0.024	16.357	0.205	1.295	1212.155	11.708
312.600	0.024	16.256	0.203	1.297	1212.153	11.518
312.800	0.024	16.154	0.201	1.299	1212.151	11.329
313.000	0.024	16.053	0.200	1.300	1212.150	11.142
313.200	0.024	15.951	0.198	1.302	1212.148	10.957
313.400	0.024	15.850	0.197	1.303	1212.147	10.773
313.600	0.024	15.748	0.195	1.305	1212.145	10.591
313.800	0.024	15.647	0.193	1.307	1212.143	10.410
314.000	0.024	15.545	0.192	1.308	1212.142	10.231
314.200	0.024	15.444	0.190	1.310	1212.140	10.053
314.400	0.024	15.342	0.188	1.312	1212.138	9.878
314.600	0.024	15.236	0.187	1.313	1212.137	9.688
314.800	0.024	15.126	0.185	1.315	1212.135	9.499
315.000	0.024	15.015	0.183	1.317	1212.133	9.313
315.200	0.024	14.904	0.181	1.319	1212.131	9.129
315.400	0.024	14.793	0.179	1.321	1212.129	8.947
315.600	0.024	14.683	0.178	1.322	1212.128	8.766
315.800	0.024	14.572	0.176	1.324	1212.126	8.587
316.000	0.024	14.461	0.174	1.326	1212.124	8.411
316.200	0.024	14.351	0.172	1.328	1212.122	8.236
316.400	0.024	14.240	0.170	1.330	1212.120	8.063
316.600	0.024	14.129	0.169	1.331	1212.119	7.892
316.800	0.024	14.019	0.167	1.333	1212.117	7.723
317.000	0.024	13.908	0.165	1.335	1212.115	7.556
317.200	0.024	13.797	0.163	1.337	1212.113	7.390
317.400	0.024	13.686	0.162	1.338	1212.112	7.227
317.600	0.024	13.576	0.160	1.340	1212.110	7.065
317.800	0.024	13.465	0.158	1.342	1212.108	6.906
318.000	0.024	13.354	0.156	1.344	1212.106	6.748
318.200	0.024	13.244	0.154	1.346	1212.104	6.592
318.400	0.024	13.133	0.153	1.347	1212.103	6.438
318.600	0.024	13.006	0.151	1.349	1212.101	6.286
318.800	0.024	12.853	0.149	1.351	1212.099	6.136
319.000	0.024	12.700	0.147	1.353	1212.097	5.988
319.200	0.024	12.547	0.145	1.355	1212.095	5.842
319.400	0.024	12.394	0.144	1.356	1212.094	5.697
319.600	0.024	12.241	0.142	1.358	1212.092	5.554
319.800	0.024	12.088	0.140	1.360	1212.090	5.414
320.000	0.024	11.935	0.138	1.362	1212.088	5.275
320.200	0.024	11.782	0.137	1.363	1212.087	5.137
320.400	0.024	11.629	0.135	1.365	1212.085	5.002
320.600	0.024	11.475	0.133	1.367	1212.083	4.869
320.800	0.024	11.322	0.131	1.369	1212.081	4.737
321.000	0.024	11.169	0.129	1.371	1212.079	4.607
321.200	0.024	11.016	0.128	1.372	1212.078	4.479
321.400	0.024	10.863	0.126	1.374	1212.076	4.353
321.600	0.024	10.710	0.124	1.376	1212.074	4.229
321.800	0.024	10.557	0.122	1.378	1212.072	4.106
322.000	0.024	10.404	0.120	1.380	1212.070	3.986
322.200	0.024	10.251	0.119	1.381	1212.069	3.867
322.400	0.024	10.098	0.117	1.383	1212.067	3.750
322.600	0.024	9.945	0.115	1.385	1212.065	3.635
322.800	0.024	9.791	0.113	1.387	1212.063	3.522
323.000	0.024	9.638	0.112	1.388	1212.062	3.411
323.200	0.024	9.485	0.110	1.390	1212.060	3.301
323.400	0.024	9.332	0.108	1.392	1212.058	3.193
323.600	0.024	9.179	0.106	1.394	1212.056	3.088
323.800	0.024	9.026	0.104	1.396	1212.054	2.984
324.000	0.024	8.873	0.103	1.397	1212.053	2.882
324.200	0.024	8.720	0.101	1.399	1212.051	2.781
324.400	0.024	8.567	0.099	1.401	1212.049	2.683
324.600	0.024	8.414	0.097	1.403	1212.047	2.586
324.800	0.024	8.254	0.095	1.405	1212.045	2.484
325.000	0.024	8.088	0.093	1.407	1212.043	2.383
325.200	0.024	7.922	0.091	1.409	1212.041	2.284
325.400	0.024	7.757	0.090	1.410	1212.040	2.188
325.600	0.024	7.591	0.088	1.412	1212.038	2.094
325.800	0.024	7.425	0.086	1.414	1212.036	2.002
326.000	0.024	7.259	0.084	1.416	1212.034	1.911
326.200	0.024	7.093	0.082	1.418	1212.032	1.823
326.400	0.024	6.927	0.080	1.420	1212.030	1.738
326.600	0.024	6.762	0.078	1.422	1212.028	1.654
326.800	0.024	6.596	0.076	1.424	1212.026	1.572
327.000	0.024	6.430	0.074	1.426	1212.024	1.492
327.200	0.024	6.264	0.072	1.428	1212.022	1.415
327.400	0.024	6.098	0.070	1.430	1212.020	1.339
327.600	0.024	5.932	0.068	1.432	1212.018	1.266

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
327.800	0.024	5.766	0.066	1.434	1212.016	1.195
328.000	0.024	5.601	0.064	1.436	1212.014	1.126
328.200	0.024	5.435	0.062	1.438	1212.012	1.059
328.400	0.024	5.269	0.060	1.440	1212.010	0.994
328.600	0.024	5.103	0.059	1.441	1212.009	0.931
328.800	0.024	4.937	0.057	1.443	1212.007	0.870
329.000	0.024	4.771	0.055	1.445	1212.005	0.812
329.200	0.024	4.606	0.053	1.447	1212.003	0.755
329.400	0.024	4.440	0.051	1.449	1212.001	0.701
329.600	0.024	4.274	0.049	1.451	1211.999	0.648
329.800	0.024	4.108	0.047	1.453	1211.997	0.598
330.000	0.024	3.942	0.045	1.455	1211.995	0.552
330.200	0.024	3.789	0.043	1.457	1211.993	0.509
330.400	0.024	3.636	0.042	1.458	1211.992	0.468
330.600	0.024	3.483	0.040	1.460	1211.990	0.428
330.800	0.024	3.330	0.038	1.462	1211.988	0.391
331.000	0.024	3.177	0.036	1.464	1211.986	0.355
331.200	0.024	3.024	0.034	1.466	1211.984	0.321
331.400	0.024	2.870	0.033	1.467	1211.983	0.288
331.600	0.024	2.717	0.031	1.469	1211.981	0.259
331.800	0.024	2.577	0.029	1.471	1211.979	0.232
332.000	0.024	2.437	0.028	1.472	1211.978	0.207
332.200	0.024	2.296	0.026	1.474	1211.976	0.183
332.400	0.024	2.156	0.024	1.476	1211.974	0.161
332.600	0.024	2.016	0.023	1.477	1211.973	0.140
332.800	0.024	1.882	0.021	1.479	1211.971	0.122
333.000	0.024	1.754	0.020	1.480	1211.970	0.105
333.200	0.024	1.627	0.018	1.482	1211.968	0.090
333.400	0.024	1.499	0.017	1.483	1211.967	0.076
333.600	0.024	1.378	0.015	1.485	1211.965	0.064
333.800	0.024	1.263	0.014	1.486	1211.964	0.054
334.000	0.024	1.148	0.013	1.487	1211.963	0.044
334.200	0.024	1.046	0.012	1.488	1211.962	0.036
334.400	0.024	0.944	0.010	1.490	1211.960	0.029
334.600	0.024	0.842	0.009	1.491	1211.959	0.023
334.800	0.024	0.753	0.008	1.492	1211.958	0.018
335.000	0.024	0.663	0.007	1.493	1211.957	0.014
335.200	0.024	0.587	0.006	1.494	1211.956	0.011
335.400	0.024	0.510	0.006	1.494	1211.956	0.008
335.600	0.024	0.447	0.005	1.495	1211.955	0.006
335.800	0.024	0.383	0.004	1.496	1211.954	0.005
336.000	0.024	0.332	0.004	1.496	1211.954	0.003
336.200	0.024	0.281	0.003	1.497	1211.953	0.003
336.400	0.024	0.242	0.003	1.497	1211.953	0.002
336.600	0.024	0.204	0.002	1.498	1211.952	0.001
336.800	0.024	0.172	0.002	1.498	1211.952	0.001
337.000	0.024	0.147	0.002	1.498	1211.952	0.001
337.200	0.024	0.121	0.001	1.499	1211.951	0.000
337.400	0.024	0.108	0.001	1.499	1211.951	0.000
337.600	0.024	0.096	0.001	1.499	1211.951	0.000
337.800	0.024	0.083	0.001	1.499	1211.951	0.000
338.000	0.024	0.070	0.001	1.499	1211.951	0.000
338.200	0.024	0.057	0.001	1.499	1211.951	0.000
338.400	0.024	0.051	0.001	1.499	1211.951	0.000
338.600	0.024	0.051	0.001	1.499	1211.951	0.000



CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	24.80	558.087	COTA DE FUNDO JUSANTE (m)			
VAZÃO DE SAÍDA MAX. (l/s)	31.20	227.560	COTA VERTEDOURO (m)			
PROFUNDIDADE MAX. (m)	31.00	0.865	COTA DO ORIFÍCIO (m)			
FREEBOARD MIN. (m)	31.00	0.635	VERTEDOURO DE CONTROLE (cm)			
NA MAX. (m)	31.00	1,210.565	VERTEDOURO DE DESCARGA (cm)			
VOLUME MAX. (m ³)	31.00	208.22	DRENO DE FUNDO 3X Ø (mm)			
VOLUME TOTAL (m ³)		497.60	COEF. DE DESCARGA DO VERTEDOURO			
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO			
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1209.700	0.000
0.200	1.335	0.000	0.002	1.498	1209.702	0.001
0.400	3.160	0.523	0.006	1.494	1209.706	0.008
0.600	5.197	1.273	0.011	1.489	1209.711	0.030
0.800	7.271	2.125	0.017	1.483	1209.717	0.069
1.000	9.346	3.000	0.023	1.477	1209.723	0.125
1.200	11.420	3.886	0.028	1.472	1209.728	0.197
1.400	13.495	4.784	0.034	1.466	1209.734	0.288
1.600	15.550	5.693	0.040	1.460	1209.740	0.397
1.800	17.587	6.602	0.046	1.454	1209.746	0.521
2.000	19.610	7.488	0.052	1.448	1209.752	0.661
2.200	21.621	8.375	0.058	1.442	1209.758	0.818
2.400	23.632	9.227	0.063	1.437	1209.763	0.987
2.600	25.636	10.068	0.069	1.431	1209.769	1.172
2.800	27.628	10.886	0.074	1.426	1209.774	1.371
3.000	29.607	11.693	0.079	1.421	1209.779	1.582
3.200	31.579	12.488	0.084	1.416	1209.784	1.808
3.400	33.539	13.284	0.090	1.410	1209.790	2.048
3.600	35.499	14.057	0.095	1.405	1209.795	2.299
3.800	37.318	14.829	0.100	1.400	1209.800	2.566
4.000	39.074	15.602	0.105	1.395	1209.805	2.844
4.200	40.830	16.352	0.110	1.390	1209.810	3.133
4.400	42.587	17.102	0.114	1.386	1209.814	3.436
4.600	44.343	17.852	0.119	1.381	1209.819	3.755
4.800	46.099	18.591	0.124	1.376	1209.824	4.078
5.000	47.855	19.318	0.129	1.371	1209.829	4.416
5.200	49.602	20.045	0.134	1.366	1209.834	4.767
5.400	51.349	20.772	0.138	1.362	1209.838	5.132
5.600	53.096	21.500	0.143	1.357	1209.843	5.511
5.800	54.843	22.227	0.148	1.352	1209.848	5.905
6.000	56.581	22.943	0.153	1.347	1209.853	6.299
6.200	58.319	23.807	0.157	1.343	1209.857	6.707
6.400	60.057	24.811	0.162	1.338	1209.862	7.129
6.600	61.794	25.815	0.166	1.334	1209.866	7.557
6.800	63.528	26.786	0.171	1.329	1209.871	7.990
7.000	65.256	27.758	0.175	1.325	1209.875	8.437
7.200	66.985	28.730	0.180	1.320	1209.880	8.896
7.400	68.713	29.701	0.184	1.316	1209.884	9.368
7.600	70.403	30.657	0.188	1.312	1209.888	9.836
7.800	71.986	31.596	0.193	1.307	1209.893	10.316
8.000	73.569	32.535	0.197	1.303	1209.897	10.808
8.200	75.148	33.475	0.201	1.299	1209.901	11.312
8.400	76.725	34.398	0.206	1.294	1209.906	11.810
8.600	78.301	35.304	0.210	1.290	1209.910	12.319
8.800	79.878	36.211	0.214	1.286	1209.914	12.840
9.000	81.454	37.118	0.218	1.282	1209.918	13.372
9.200	83.031	38.025	0.222	1.278	1209.922	13.916
9.400	84.607	38.932	0.226	1.274	1209.926	14.461
9.600	86.184	39.806	0.230	1.270	1209.930	15.007
9.800	87.760	40.681	0.234	1.266	1209.934	15.563
10.000	89.336	41.555	0.238	1.262	1209.938	16.130
10.200	90.913	42.430	0.242	1.258	1209.942	16.708
10.400	92.489	43.304	0.246	1.254	1209.946	17.296
10.600	94.066	44.179	0.250	1.250	1209.950	17.894
10.800	95.636	45.053	0.255	1.246	1209.955	18.504
11.000	97.206	45.928	0.259	1.241	1209.959	19.124
11.200	98.776	46.802	0.263	1.237	1209.963	19.756
11.400	100.346	47.661	0.266	1.234	1209.966	20.374
11.600	101.916	48.503	0.270	1.230	1209.970	21.003
11.800	103.443	49.345	0.274	1.226	1209.974	21.641
12.000	104.955	50.187	0.278	1.222	1209.978	22.290
12.200	106.467	51.029	0.282	1.218	1209.982	22.949
12.400	107.979	51.871	0.286	1.214	1209.986	23.617
12.600	109.491	52.713	0.290	1.210	1209.990	24.296
12.800	111.003	53.555	0.293	1.207	1209.993	24.985
13.000	112.517	54.397	0.297	1.203	1209.997	25.685
13.200	114.034	55.239	0.301	1.199	1210.001	26.394

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	115.554	56.082	0.305	1.195	1210.005	27.114
13.600	117.076	57.013	0.309	1.191	1210.009	27.844
13.800	118.603	57.990	0.313	1.187	1210.013	28.556
14.000	120.131	58.947	0.316	1.184	1210.016	29.277
14.200	121.663	59.905	0.320	1.180	1210.020	30.008
14.400	123.196	60.863	0.324	1.176	1210.024	30.749
14.600	124.734	61.821	0.328	1.172	1210.028	31.499
14.800	126.271	62.779	0.331	1.169	1210.031	32.259
15.000	127.812	63.737	0.335	1.165	1210.035	33.029
15.200	126.839	64.695	0.339	1.161	1210.039	33.792
15.400	125.860	65.614	0.342	1.158	1210.042	34.533
15.600	124.879	66.496	0.346	1.154	1210.046	35.251
15.800	123.861	67.338	0.349	1.151	1210.049	35.943
16.000	122.834	68.143	0.352	1.148	1210.052	36.611
16.200	121.804	68.909	0.355	1.145	1210.055	37.251
16.400	120.772	69.637	0.357	1.143	1210.057	37.882
16.600	119.788	70.346	0.360	1.140	1210.060	38.484
16.800	118.852	71.017	0.363	1.137	1210.063	39.058
17.000	117.961	71.668	0.365	1.135	1210.065	39.619
17.200	117.111	72.281	0.368	1.132	1210.068	40.167
17.400	116.294	72.894	0.370	1.130	1210.070	40.702
17.600	115.509	73.469	0.372	1.128	1210.072	41.223
17.800	114.745	74.024	0.374	1.126	1210.074	41.713
18.000	114.007	74.561	0.376	1.124	1210.076	42.205
18.200	113.272	75.078	0.378	1.122	1210.078	42.666
18.400	112.506	75.576	0.380	1.120	1210.080	43.129
18.600	111.751	76.055	0.382	1.118	1210.082	43.559
18.800	111.003	76.515	0.384	1.116	1210.084	43.991
19.000	110.264	76.956	0.385	1.115	1210.085	44.389
19.200	109.528	77.377	0.387	1.113	1210.087	44.789
19.400	108.797	77.779	0.388	1.112	1210.088	45.154
19.600	108.068	78.163	0.390	1.110	1210.090	45.521
19.800	107.327	78.546	0.391	1.109	1210.091	45.871
20.000	106.559	78.891	0.393	1.107	1210.093	46.204
20.200	105.788	79.235	0.394	1.106	1210.094	46.538
20.400	105.014	79.561	0.395	1.105	1210.095	46.836
20.600	104.236	79.868	0.396	1.104	1210.096	47.135
20.800	131.836	80.251	0.399	1.101	1210.099	47.680
21.000	161.446	80.979	0.402	1.098	1210.102	48.570
21.200	189.119	82.052	0.407	1.093	1210.107	49.796
21.400	214.984	83.412	0.413	1.087	1210.113	51.313
21.600	267.327	85.117	0.420	1.080	1210.120	53.355
21.800	313.578	87.358	0.430	1.070	1210.130	55.972
22.000	354.272	90.021	0.441	1.059	1210.141	59.057
22.200	389.687	93.010	0.453	1.047	1210.153	62.558
22.400	420.657	96.330	0.466	1.034	1210.166	66.406
22.600	447.181	100.232	0.480	1.020	1210.180	70.550
22.800	470.094	104.287	0.493	1.007	1210.193	74.935
23.000	489.673	108.408	0.508	0.992	1210.208	79.483
23.200	506.196	112.594	0.522	0.978	1210.222	84.177
23.400	519.941	116.868	0.537	0.963	1210.237	89.009
23.600	531.463	121.208	0.551	0.949	1210.251	93.932
23.800	540.762	125.592	0.566	0.934	1210.266	98.923
24.000	547.839	129.976	0.581	0.919	1210.281	103.956
24.200	552.971	134.338	0.596	0.904	1210.296	108.981
24.400	556.158	138.678	0.611	0.890	1210.311	114.022
24.600	557.956	143.223	0.625	0.875	1210.325	119.027
24.800	558.087	147.934	0.639	0.861	1210.339	123.993
25.000	557.107	152.548	0.653	0.847	1210.353	128.894
25.200	555.015	157.063	0.667	0.833	1210.367	133.726
25.400	551.812	161.457	0.680	0.820	1210.380	138.433
25.600	547.498	165.728	0.693	0.807	1210.393	143.067
25.800	542.073	169.878	0.705	0.795	1210.405	147.570
26.000	535.814	173.881	0.717	0.783	1210.417	151.940
26.200	528.721	177.762	0.729	0.771	1210.429	156.201
26.400	521.073	181.497	0.740	0.760	1210.440	160.322
26.600	512.591	185.085	0.751	0.749	1210.451	164.301
26.800	503.554	188.526	0.761	0.739	1210.461	168.136
27.000	493.961	191.940	0.771	0.729	1210.471	171.822
27.200	483.813	195.355	0.780	0.720	1210.480	175.331
27.400	473.108	198.610	0.789	0.711	1210.489	178.659
27.600	461.849	201.679	0.797	0.703	1210.497	181.831
27.800	450.311	204.587	0.805	0.695	1210.505	184.845
28.000	438.495	207.308	0.812	0.688	1210.512	187.672
28.200	426.124	209.870	0.819	0.681	1210.519	190.308
28.400	413.475	212.244	0.826	0.674	1210.526	192.780
28.600	400.548	214.432	0.832	0.668	1210.532	195.059
28.800	387.066	216.460	0.837	0.663	1210.537	197.141
29.000	373.583	218.301	0.842	0.658	1210.542	199.055
29.200	359.823	219.982	0.846	0.654	1210.546	200.798
29.400	345.785	221.476	0.850	0.650	1210.550	202.342
29.600	331.747	222.810	0.854	0.646	1210.554	203.684
29.800	317.153	223.958	0.857	0.643	1210.557	204.853

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	302.559	224.945	0.859	0.641	1210.559	205.848
30.200	289.223	225.745	0.861	0.639	1210.561	206.639
30.400	275.887	226.412	0.863	0.637	1210.563	207.284
30.600	262.552	226.919	0.864	0.636	1210.564	207.753
30.800	249.772	227.266	0.865	0.635	1210.565	208.076
31.000	237.269	227.480	0.865	0.635	1210.565	208.223
31.200	225.045	227.560	0.865	0.635	1210.565	208.223
31.400	213.098	227.480	0.865	0.635	1210.565	208.076
31.600	201.708	227.293	0.864	0.636	1210.564	207.812
31.800	190.594	226.999	0.863	0.637	1210.563	207.430
32.000	180.037	226.599	0.862	0.638	1210.562	206.903
32.200	170.035	226.065	0.860	0.640	1210.560	206.287
32.400	160.757	225.452	0.858	0.642	1210.558	205.555
32.600	156.366	224.731	0.856	0.644	1210.556	204.736
32.800	151.975	223.984	0.854	0.646	1210.554	203.888
33.000	147.583	223.184	0.852	0.648	1210.552	202.983
33.200	143.192	222.330	0.849	0.651	1210.549	202.050
33.400	138.801	221.450	0.847	0.653	1210.547	201.060
33.600	134.667	220.542	0.844	0.656	1210.544	200.042
33.800	130.664	219.582	0.842	0.658	1210.542	198.996
34.000	126.918	218.595	0.839	0.661	1210.539	197.894
34.200	123.302	217.581	0.836	0.664	1210.536	196.765
34.400	119.944	216.513	0.833	0.667	1210.533	195.608
34.600	116.715	215.446	0.830	0.670	1210.530	194.424
34.800	113.615	214.326	0.827	0.673	1210.527	193.213
35.000	110.773	213.205	0.824	0.676	1210.524	192.003
35.200	107.932	212.058	0.820	0.680	1210.520	190.739
35.400	105.349	210.884	0.817	0.683	1210.517	189.476
35.600	102.766	209.710	0.814	0.686	1210.514	188.216
35.800	100.441	208.509	0.810	0.690	1210.510	186.900
36.000	98.116	207.282	0.807	0.693	1210.507	185.587
36.200	96.050	206.054	0.804	0.696	1210.504	184.276
36.400	93.983	204.827	0.800	0.700	1210.500	182.967
36.600	92.046	203.600	0.797	0.703	1210.497	181.632
36.800	90.237	202.319	0.793	0.707	1210.493	180.271
37.000	88.429	201.038	0.789	0.711	1210.489	178.913
37.200	86.750	199.758	0.786	0.714	1210.486	177.557
37.400	85.200	198.477	0.782	0.718	1210.482	176.204
37.600	83.650	197.196	0.779	0.721	1210.479	174.853
37.800	82.230	195.915	0.775	0.725	1210.475	173.504
38.000	80.938	194.635	0.772	0.728	1210.472	172.159
38.200	79.647	193.354	0.768	0.732	1210.468	170.815
38.400	78.355	192.073	0.764	0.736	1210.464	169.474
38.600	77.193	190.793	0.761	0.739	1210.461	168.136
38.800	76.159	189.600	0.757	0.743	1210.457	166.800
39.000	75.126	188.429	0.754	0.746	1210.454	165.466
39.200	74.093	187.257	0.750	0.750	1210.450	164.135
39.400	73.060	186.086	0.747	0.753	1210.447	162.779
39.600	72.155	184.865	0.743	0.757	1210.443	161.425
39.800	71.381	183.693	0.739	0.761	1210.439	160.102
40.000	70.606	182.522	0.736	0.764	1210.436	158.781
40.200	69.831	181.350	0.732	0.768	1210.432	157.462
40.400	69.056	180.179	0.729	0.771	1210.429	156.146
40.600	68.281	179.007	0.725	0.775	1210.425	154.832
40.800	67.506	177.835	0.721	0.779	1210.421	153.521
41.000	66.860	176.664	0.718	0.782	1210.418	152.212
41.200	66.343	175.492	0.714	0.786	1210.414	150.906
41.400	65.827	174.320	0.711	0.789	1210.411	149.602
41.600	65.310	173.149	0.707	0.793	1210.407	148.301
41.800	64.794	171.977	0.704	0.796	1210.404	147.002
42.000	64.277	170.806	0.700	0.800	1210.400	145.706
42.200	63.760	169.634	0.696	0.804	1210.396	144.412
42.400	63.244	168.462	0.693	0.807	1210.393	143.147
42.600	62.727	167.339	0.690	0.810	1210.390	141.912
42.800	62.210	166.217	0.686	0.814	1210.386	140.679
43.000	61.823	165.094	0.683	0.817	1210.383	139.448
43.200	61.565	163.971	0.679	0.821	1210.379	138.220
43.400	61.306	162.848	0.676	0.824	1210.376	136.994
43.600	61.048	161.725	0.672	0.828	1210.372	135.770
43.800	60.790	160.603	0.669	0.831	1210.369	134.548
44.000	60.531	159.504	0.666	0.834	1210.366	133.381
44.200	60.273	158.430	0.662	0.838	1210.362	132.217
44.400	60.015	157.356	0.659	0.841	1210.359	131.055
44.600	59.756	156.282	0.656	0.844	1210.356	129.894
44.800	59.498	155.208	0.653	0.847	1210.353	128.736
45.000	59.240	154.134	0.649	0.851	1210.349	127.580
45.200	58.981	153.060	0.646	0.854	1210.346	126.426
45.400	58.723	152.011	0.643	0.857	1210.343	125.326
45.600	58.465	150.985	0.640	0.860	1210.340	124.228
45.800	58.206	149.960	0.637	0.863	1210.337	123.133
46.000	57.948	148.935	0.634	0.866	1210.334	122.039
46.200	57.690	147.910	0.630	0.870	1210.330	120.946
46.400	57.432	146.885	0.627	0.873	1210.327	119.856

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
46.600	57.173	145.860	0.624	0.876	1210.324	118.768
46.800	56.915	144.859	0.621	0.879	1210.321	117.733
47.000	56.657	143.882	0.618	0.882	1210.318	116.700
47.200	56.527	142.906	0.615	0.885	1210.315	115.669
47.400	56.527	141.930	0.612	0.888	1210.312	114.639
47.600	56.527	140.953	0.609	0.891	1210.309	113.611
47.800	56.527	140.037	0.606	0.894	1210.306	112.585
48.000	56.398	139.182	0.604	0.897	1210.304	111.612
48.200	56.398	138.349	0.601	0.899	1210.301	110.640
48.400	56.398	137.516	0.598	0.902	1210.298	109.669
48.600	56.398	136.683	0.595	0.905	1210.295	108.701
48.800	56.398	135.850	0.592	0.908	1210.292	107.734
49.000	56.269	135.017	0.589	0.911	1210.289	106.768
49.200	56.269	134.184	0.587	0.913	1210.287	105.829
49.400	56.269	133.395	0.584	0.916	1210.284	104.917
49.600	56.269	132.606	0.581	0.919	1210.281	104.007
49.800	56.269	131.817	0.579	0.921	1210.279	103.098
50.000	56.140	131.028	0.576	0.924	1210.276	102.190
50.200	56.140	130.239	0.573	0.927	1210.273	101.283
50.400	56.140	129.450	0.571	0.929	1210.271	100.403
50.600	56.140	128.705	0.568	0.932	1210.268	99.550
50.800	56.011	127.959	0.566	0.934	1210.266	98.697
51.000	56.011	127.214	0.563	0.937	1210.263	97.846
51.200	56.011	126.469	0.560	0.940	1210.260	96.997
51.400	56.011	125.724	0.558	0.942	1210.258	96.148
51.600	56.011	124.978	0.555	0.945	1210.255	95.301
51.800	55.882	124.233	0.553	0.947	1210.253	94.479
52.000	55.882	123.532	0.551	0.949	1210.251	93.684
52.200	55.882	122.830	0.548	0.952	1210.248	92.890
52.400	55.882	122.129	0.546	0.954	1210.246	92.097
52.600	55.882	121.427	0.543	0.957	1210.243	91.305
52.800	55.753	120.726	0.541	0.959	1210.241	90.514
53.000	55.753	120.025	0.539	0.961	1210.239	89.724
53.200	55.753	119.323	0.536	0.964	1210.236	88.960
53.400	55.753	118.666	0.534	0.966	1210.234	88.221
53.600	55.623	118.008	0.532	0.968	1210.232	87.484
53.800	55.623	117.351	0.530	0.970	1210.230	86.747
54.000	55.623	116.693	0.527	0.973	1210.227	86.012
54.200	55.623	116.035	0.525	0.975	1210.225	85.277
54.400	55.623	115.378	0.523	0.977	1210.223	84.543
54.600	55.494	114.720	0.521	0.979	1210.221	83.811
54.800	55.494	114.085	0.519	0.981	1210.219	83.128
55.000	55.494	113.471	0.517	0.983	1210.217	82.445
55.200	55.494	112.857	0.515	0.986	1210.215	81.764
55.400	55.494	112.243	0.512	0.988	1210.212	81.084
55.600	55.365	111.630	0.510	0.990	1210.210	80.404
55.800	55.365	111.016	0.508	0.992	1210.208	79.725
56.000	55.365	110.402	0.506	0.994	1210.206	79.047
56.200	55.365	109.788	0.504	0.996	1210.204	78.370
56.400	55.236	109.197	0.502	0.998	1210.202	77.742
56.600	55.236	108.627	0.500	1.000	1210.200	77.114
56.800	55.236	108.057	0.498	1.002	1210.198	76.489
57.000	55.236	107.487	0.496	1.004	1210.196	75.865
57.200	55.236	106.917	0.494	1.006	1210.194	75.244
57.400	55.107	106.347	0.492	1.008	1210.192	74.626
57.600	55.107	105.777	0.491	1.009	1210.191	74.010
57.800	55.107	105.207	0.489	1.011	1210.189	73.396
58.000	55.107	104.637	0.487	1.013	1210.187	72.785
58.200	55.107	104.068	0.485	1.015	1210.185	72.176
58.400	54.978	103.498	0.483	1.017	1210.183	71.594
58.600	54.978	102.972	0.481	1.019	1210.181	71.036
58.800	54.978	102.446	0.479	1.021	1210.179	70.481
59.000	54.978	101.920	0.478	1.022	1210.178	69.928
59.200	54.848	101.393	0.476	1.024	1210.176	69.377
59.400	54.848	100.867	0.474	1.026	1210.174	68.828
59.600	54.848	100.341	0.472	1.028	1210.172	68.281
59.800	54.848	99.815	0.470	1.030	1210.170	67.736
60.000	54.848	99.289	0.469	1.031	1210.169	67.194
60.200	54.719	98.763	0.467	1.033	1210.167	66.653
60.400	54.719	98.237	0.465	1.035	1210.165	66.115
60.600	54.719	97.711	0.463	1.037	1210.163	65.579
60.800	54.719	97.207	0.462	1.038	1210.162	65.089
61.000	54.719	96.725	0.460	1.040	1210.160	64.601
61.200	54.590	96.242	0.458	1.042	1210.158	64.115
61.400	54.590	95.760	0.457	1.043	1210.157	63.631
61.600	54.590	95.328	0.455	1.045	1210.155	63.148
61.800	54.590	94.906	0.453	1.047	1210.153	62.667
62.000	54.590	94.485	0.452	1.048	1210.152	62.188
62.200	54.461	94.063	0.450	1.050	1210.150	61.711
62.400	54.461	93.642	0.449	1.052	1210.149	61.236
62.600	54.461	93.220	0.447	1.053	1210.147	60.762
62.800	54.461	92.799	0.445	1.055	1210.145	60.291
63.000	54.332	92.377	0.444	1.056	1210.144	59.821

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
63.200	54.332	91.956	0.442	1.058	1210.142	59.354
63.400	54.332	91.535	0.440	1.060	1210.140	58.888
63.600	54.332	91.113	0.439	1.061	1210.139	58.446
63.800	54.332	90.730	0.437	1.063	1210.137	58.026
64.000	54.203	90.347	0.436	1.064	1210.136	57.608
64.200	54.203	89.964	0.434	1.066	1210.134	57.191
64.400	54.203	89.580	0.433	1.067	1210.133	56.776
64.600	54.203	89.197	0.431	1.069	1210.131	56.363
64.800	54.203	88.814	0.430	1.070	1210.130	55.951
65.000	54.073	88.431	0.428	1.072	1210.128	55.541
65.200	54.073	88.048	0.427	1.073	1210.127	55.132
65.400	54.073	87.665	0.425	1.075	1210.125	54.726
65.600	54.073	87.282	0.424	1.076	1210.124	54.320
65.800	53.944	86.898	0.422	1.078	1210.122	53.917
66.000	53.944	86.515	0.421	1.079	1210.121	53.515
66.200	53.944	86.132	0.419	1.081	1210.119	53.115
66.400	53.944	85.749	0.418	1.082	1210.118	52.716
66.600	53.944	85.366	0.417	1.084	1210.117	52.338
66.800	53.815	85.021	0.415	1.085	1210.115	51.982
67.000	53.815	84.676	0.414	1.086	1210.114	51.628
67.200	53.815	84.331	0.412	1.088	1210.112	51.274
67.400	53.815	83.986	0.411	1.089	1210.111	50.922
67.600	53.686	83.642	0.410	1.090	1210.110	50.571
67.800	53.686	83.297	0.408	1.092	1210.108	50.222
68.000	53.686	82.952	0.407	1.093	1210.107	49.874
68.200	53.686	82.607	0.406	1.094	1210.106	49.527
68.400	53.557	82.262	0.404	1.096	1210.104	49.181
68.600	53.557	81.917	0.403	1.097	1210.103	48.837
68.800	53.557	81.573	0.402	1.098	1210.102	48.494
69.000	53.557	81.228	0.400	1.100	1210.100	48.152
69.200	53.557	80.883	0.399	1.101	1210.099	47.812
69.400	53.428	80.538	0.398	1.102	1210.098	47.473
69.600	53.428	80.193	0.396	1.104	1210.096	47.135
69.800	53.428	79.848	0.395	1.105	1210.095	46.818
70.000	53.428	79.542	0.394	1.106	1210.094	46.520
70.200	53.299	79.235	0.393	1.107	1210.093	46.222
70.400	53.299	78.929	0.392	1.108	1210.092	45.926
70.600	53.299	78.622	0.390	1.110	1210.090	45.631
70.800	53.299	78.316	0.389	1.111	1210.089	45.337
71.000	53.169	78.009	0.388	1.112	1210.088	45.044
71.200	53.169	77.703	0.387	1.113	1210.087	44.752
71.400	53.169	77.396	0.386	1.114	1210.086	44.461
71.600	53.169	77.090	0.384	1.116	1210.084	44.172
71.800	53.169	76.783	0.383	1.117	1210.083	43.883
72.000	53.040	76.477	0.382	1.118	1210.082	43.595
72.200	53.040	76.170	0.381	1.119	1210.081	43.308
72.400	53.040	75.864	0.380	1.120	1210.080	43.022
72.600	53.040	75.557	0.378	1.122	1210.078	42.737
72.800	52.911	75.251	0.377	1.123	1210.077	42.453
73.000	52.911	74.944	0.376	1.124	1210.076	42.188
73.200	52.911	74.676	0.375	1.125	1210.075	41.941
73.400	52.911	74.408	0.374	1.126	1210.074	41.695
73.600	52.782	74.139	0.373	1.127	1210.073	41.450
73.800	52.782	73.871	0.372	1.128	1210.072	41.205
74.000	52.782	73.603	0.371	1.129	1210.071	40.962
74.200	52.782	73.335	0.370	1.130	1210.070	40.719
74.400	52.653	73.067	0.369	1.131	1210.069	40.477
74.600	52.653	72.798	0.368	1.132	1210.068	40.236
74.800	52.653	72.530	0.367	1.133	1210.067	39.995
75.000	52.653	72.262	0.366	1.134	1210.066	39.755
75.200	52.653	71.994	0.365	1.135	1210.065	39.516
75.400	52.524	71.726	0.364	1.136	1210.064	39.278
75.600	52.524	71.457	0.363	1.137	1210.063	39.041
75.800	52.524	71.189	0.362	1.138	1210.062	38.804
76.000	52.524	70.921	0.361	1.139	1210.061	38.568
76.200	52.394	70.653	0.360	1.141	1210.060	38.333
76.400	52.394	70.404	0.359	1.141	1210.059	38.132
76.600	52.394	70.174	0.358	1.142	1210.058	37.932
76.800	52.394	69.944	0.357	1.143	1210.057	37.732
77.000	52.265	69.714	0.356	1.144	1210.056	37.533
77.200	52.265	69.484	0.355	1.145	1210.055	37.334
77.400	52.265	69.254	0.354	1.146	1210.054	37.136
77.600	52.265	69.024	0.353	1.147	1210.053	36.939
77.800	52.265	68.794	0.352	1.148	1210.052	36.742
78.000	52.136	68.565	0.351	1.149	1210.051	36.545
78.200	52.136	68.335	0.351	1.149	1210.051	36.349
78.400	52.136	68.105	0.350	1.150	1210.050	36.154
78.600	52.136	67.875	0.349	1.151	1210.049	35.960
78.800	52.007	67.645	0.348	1.152	1210.048	35.765
79.000	52.007	67.415	0.347	1.153	1210.047	35.572

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
79.200	52.007	67.185	0.346	1.154	1210.046	35.379
79.400	52.007	66.955	0.345	1.155	1210.045	35.186
79.600	51.878	66.725	0.344	1.156	1210.044	34.995
79.800	51.878	66.496	0.343	1.157	1210.043	34.803
80.000	51.878	66.285	0.343	1.157	1210.043	34.644
80.200	51.878	66.093	0.342	1.158	1210.042	34.486
80.400	51.878	65.902	0.341	1.159	1210.041	34.327
80.600	51.749	65.710	0.340	1.160	1210.040	34.169
80.800	51.749	65.519	0.340	1.160	1210.040	34.012
81.000	51.749	65.327	0.339	1.161	1210.039	33.855
81.200	51.749	65.135	0.338	1.162	1210.038	33.698
81.400	51.619	64.944	0.337	1.163	1210.037	33.542
81.600	51.619	64.752	0.337	1.163	1210.037	33.386
81.800	51.619	64.561	0.336	1.164	1210.036	33.230
82.000	51.619	64.369	0.335	1.165	1210.035	33.075
82.200	51.490	64.177	0.334	1.166	1210.034	32.920
82.400	51.490	63.986	0.334	1.166	1210.034	32.766
82.600	51.490	63.794	0.333	1.167	1210.033	32.612
82.800	51.490	63.603	0.332	1.168	1210.032	32.458
83.000	51.361	63.411	0.332	1.168	1210.032	32.305
83.200	51.361	63.220	0.331	1.169	1210.031	32.152
83.400	51.361	63.028	0.330	1.170	1210.030	32.000
83.600	51.361	62.836	0.329	1.171	1210.029	31.848
83.800	51.361	62.664	0.329	1.171	1210.029	31.726
84.000	51.232	62.511	0.328	1.172	1210.028	31.605
84.200	51.232	62.358	0.328	1.173	1210.028	31.484
84.400	51.232	62.204	0.327	1.173	1210.027	31.363
84.600	51.232	62.051	0.326	1.174	1210.026	31.243
84.800	51.103	61.898	0.326	1.174	1210.026	31.123
85.000	51.103	61.744	0.325	1.175	1210.025	31.003
85.200	51.103	61.591	0.325	1.175	1210.025	30.883
85.400	51.103	61.438	0.324	1.176	1210.024	30.764
85.600	50.974	61.285	0.323	1.177	1210.023	30.645
85.800	50.974	61.131	0.323	1.177	1210.023	30.526
86.000	50.974	60.978	0.322	1.178	1210.022	30.407
86.200	50.974	60.825	0.322	1.178	1210.022	30.289
86.400	50.974	60.672	0.321	1.179	1210.021	30.170
86.600	50.845	60.518	0.320	1.180	1210.020	30.052
86.800	50.845	60.365	0.320	1.180	1210.020	29.935
87.000	50.845	60.212	0.319	1.181	1210.019	29.817
87.200	50.845	60.059	0.319	1.181	1210.019	29.700
87.400	50.715	59.905	0.318	1.182	1210.018	29.583
87.600	50.715	59.752	0.317	1.183	1210.017	29.466
87.800	50.715	59.599	0.317	1.183	1210.017	29.350
88.000	50.715	59.446	0.316	1.184	1210.016	29.234
88.200	50.586	59.292	0.316	1.184	1210.016	29.118
88.400	50.586	59.139	0.315	1.185	1210.015	29.002
88.600	50.586	58.986	0.314	1.186	1210.014	28.901
88.800	50.586	58.871	0.314	1.186	1210.014	28.814
89.000	50.586	58.756	0.314	1.186	1210.014	28.728
89.200	50.457	58.641	0.313	1.187	1210.013	28.642
89.400	50.457	58.526	0.313	1.187	1210.013	28.556
89.600	50.457	58.411	0.312	1.188	1210.012	28.470
89.800	50.457	58.296	0.312	1.188	1210.012	28.384
90.000	50.328	58.181	0.311	1.189	1210.011	28.298
90.200	50.328	58.066	0.311	1.189	1210.011	28.213
90.400	50.328	57.951	0.310	1.190	1210.010	28.127
90.600	50.328	57.836	0.310	1.190	1210.010	28.042
90.800	50.199	57.721	0.310	1.190	1210.010	27.957
91.000	50.199	57.606	0.309	1.191	1210.009	27.872
91.200	50.199	57.491	0.309	1.191	1210.009	27.787
91.400	50.199	57.377	0.308	1.192	1210.008	27.703
91.600	50.070	57.262	0.308	1.192	1210.008	27.618
91.800	50.070	57.147	0.307	1.193	1210.007	27.534
92.000	50.070	57.032	0.307	1.193	1210.007	27.449
92.200	50.070	56.917	0.306	1.194	1210.006	27.365
92.400	50.070	56.802	0.306	1.194	1210.006	27.281
92.600	49.940	56.687	0.306	1.194	1210.006	27.197
92.800	49.940	56.572	0.305	1.195	1210.005	27.114
93.000	49.940	56.457	0.305	1.195	1210.005	27.030
93.200	49.940	56.357	0.304	1.196	1210.004	26.947
93.400	49.811	56.260	0.304	1.196	1210.004	26.863
93.600	49.811	56.163	0.303	1.197	1210.003	26.780
93.800	49.811	56.065	0.303	1.197	1210.003	26.697
94.000	49.811	55.968	0.302	1.198	1210.002	26.614
94.200	49.682	55.871	0.302	1.198	1210.002	26.532
94.400	49.682	55.774	0.302	1.198	1210.002	26.449
94.600	49.682	55.677	0.301	1.199	1210.001	26.367
94.800	49.682	55.580	0.301	1.199	1210.001	26.284
95.000	49.682	55.482	0.300	1.200	1210.000	26.202
95.200	49.553	55.385	0.300	1.200	1210.000	26.120

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
95.400	49.553	55.288	0.299	1.201	1209.999	26.038
95.600	49.553	55.191	0.299	1.201	1209.999	25.970
95.800	49.553	55.126	0.299	1.201	1209.999	25.916
96.000	49.424	55.061	0.298	1.202	1209.998	25.861
96.200	49.424	54.997	0.298	1.202	1209.998	25.807
96.400	49.424	54.932	0.298	1.202	1209.998	25.752
96.600	49.424	54.867	0.297	1.203	1209.997	25.698
96.800	49.295	54.802	0.297	1.203	1209.997	25.644
97.000	49.295	54.737	0.297	1.203	1209.997	25.590
97.200	49.295	54.673	0.297	1.203	1209.997	25.536
97.400	49.295	54.608	0.296	1.204	1209.996	25.482
97.600	49.295	54.543	0.296	1.204	1209.996	25.428
97.800	49.165	54.478	0.296	1.204	1209.996	25.374
98.000	49.165	54.414	0.295	1.205	1209.995	25.320
98.200	49.165	54.349	0.295	1.205	1209.995	25.267
98.400	49.165	54.284	0.295	1.205	1209.995	25.213
98.600	49.036	54.219	0.294	1.206	1209.994	25.159
98.800	49.036	54.154	0.294	1.206	1209.994	25.106
99.000	49.036	54.090	0.294	1.206	1209.994	25.052
99.200	48.907	54.025	0.294	1.206	1209.994	24.999
99.400	48.907	53.960	0.293	1.207	1209.993	24.945
99.600	48.907	53.895	0.293	1.207	1209.993	24.892
99.800	48.907	53.831	0.293	1.207	1209.993	24.839
100.000	48.778	53.766	0.292	1.208	1209.992	24.786
100.200	48.778	53.701	0.292	1.208	1209.992	24.733
100.400	48.778	53.636	0.292	1.208	1209.992	24.679
100.600	48.778	53.571	0.291	1.209	1209.991	24.626
100.800	48.649	53.507	0.291	1.209	1209.991	24.573
101.000	48.649	53.442	0.291	1.209	1209.991	24.521
101.200	48.649	53.377	0.291	1.209	1209.991	24.468
101.400	48.649	53.312	0.290	1.210	1209.990	24.415
101.600	48.520	53.248	0.290	1.210	1209.990	24.362
101.800	48.520	53.183	0.290	1.210	1209.990	24.310
102.000	48.520	53.118	0.289	1.211	1209.989	24.257
102.200	48.520	53.053	0.289	1.211	1209.989	24.204
102.400	48.391	52.988	0.289	1.211	1209.989	24.152
102.600	48.391	52.924	0.289	1.211	1209.989	24.099
102.800	48.391	52.859	0.288	1.212	1209.988	24.047
103.000	48.391	52.794	0.288	1.212	1209.988	23.995
103.200	48.261	52.729	0.288	1.212	1209.988	23.943
103.400	48.261	52.665	0.287	1.213	1209.987	23.890
103.600	48.261	52.600	0.287	1.213	1209.987	23.838
103.800	48.261	52.535	0.287	1.213	1209.987	23.786
104.000	48.132	52.470	0.286	1.214	1209.986	23.734
104.200	48.132	52.405	0.286	1.214	1209.986	23.682
104.400	48.132	52.341	0.286	1.214	1209.986	23.630
104.600	48.003	52.276	0.286	1.214	1209.986	23.579
104.800	48.003	52.211	0.285	1.215	1209.985	23.527
105.000	48.003	52.146	0.285	1.215	1209.985	23.475
105.200	48.003	52.082	0.285	1.215	1209.985	23.423
105.400	47.874	52.017	0.284	1.216	1209.984	23.372
105.600	47.874	51.952	0.284	1.216	1209.984	23.320
105.800	47.874	51.887	0.284	1.216	1209.984	23.269
106.000	47.874	51.822	0.283	1.217	1209.983	23.217
106.200	47.745	51.758	0.283	1.217	1209.983	23.166
106.400	47.745	51.693	0.283	1.217	1209.983	23.115
106.600	47.745	51.628	0.283	1.217	1209.983	23.064
106.800	47.745	51.563	0.282	1.218	1209.982	23.012
107.000	47.616	51.499	0.282	1.218	1209.982	22.961
107.200	47.616	51.434	0.282	1.218	1209.982	22.910
107.400	47.616	51.369	0.281	1.219	1209.981	22.859
107.600	47.616	51.304	0.281	1.219	1209.981	22.808
107.800	47.486	51.239	0.281	1.219	1209.981	22.757
108.000	47.486	51.175	0.280	1.220	1209.980	22.707
108.200	47.486	51.110	0.280	1.220	1209.980	22.656
108.400	47.486	51.045	0.280	1.220	1209.980	22.605
108.600	47.357	50.980	0.280	1.220	1209.980	22.555
108.800	47.357	50.916	0.279	1.221	1209.979	22.504
109.000	47.357	50.851	0.279	1.221	1209.979	22.453
109.200	47.357	50.786	0.279	1.221	1209.979	22.403
109.400	47.228	50.721	0.278	1.222	1209.978	22.353
109.600	47.228	50.657	0.278	1.222	1209.978	22.302
109.800	47.228	50.592	0.278	1.222	1209.978	22.252
110.000	47.099	50.527	0.277	1.223	1209.977	22.202
110.200	47.099	50.462	0.277	1.223	1209.977	22.152
110.400	47.099	50.397	0.277	1.223	1209.977	22.102
110.600	47.099	50.333	0.277	1.223	1209.977	22.052
110.800	46.970	50.268	0.276	1.224	1209.976	22.002
111.000	46.970	50.203	0.276	1.224	1209.976	21.952
111.200	46.970	50.138	0.276	1.224	1209.976	21.902
111.400	46.970	50.074	0.275	1.225	1209.975	21.864
111.600	46.841	50.041	0.275	1.225	1209.975	21.827
111.800	46.841	49.976	0.275	1.225	1209.975	21.777

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
112.000	46.841	49.928	0.275	1.225	1209.975	21.753
112.200	46.841	49.895	0.275	1.225	1209.975	21.728
112.400	46.712	49.847	0.274	1.226	1209.974	21.678
112.600	46.712	49.782	0.274	1.226	1209.974	21.641
112.800	46.712	49.750	0.274	1.226	1209.974	21.616
113.000	46.712	49.717	0.274	1.226	1209.974	21.592
113.200	46.582	49.669	0.274	1.226	1209.974	21.555
113.400	46.582	49.636	0.273	1.227	1209.973	21.530
113.600	46.582	49.604	0.273	1.227	1209.973	21.505
113.800	46.582	49.572	0.273	1.227	1209.973	21.481
114.000	46.453	49.523	0.273	1.227	1209.973	21.444
114.200	46.453	49.491	0.273	1.227	1209.973	21.419
114.400	46.453	49.458	0.273	1.227	1209.973	21.394
114.600	46.324	49.426	0.272	1.228	1209.972	21.357
114.800	46.324	49.377	0.272	1.228	1209.972	21.333
115.000	46.324	49.345	0.272	1.228	1209.972	21.308
115.200	46.324	49.312	0.272	1.228	1209.972	21.284
115.400	46.195	49.280	0.272	1.228	1209.972	21.247
115.600	46.195	49.231	0.272	1.228	1209.972	21.222
115.800	46.195	49.199	0.271	1.229	1209.971	21.198
116.000	46.195	49.167	0.271	1.229	1209.971	21.173
116.200	46.066	49.134	0.271	1.229	1209.971	21.137
116.400	46.066	49.086	0.271	1.229	1209.971	21.112
116.600	46.066	49.053	0.271	1.229	1209.971	21.088
116.800	46.066	49.021	0.271	1.229	1209.971	21.064
117.000	45.937	48.989	0.270	1.230	1209.970	21.027
117.200	45.937	48.940	0.270	1.230	1209.970	21.003
117.400	45.937	48.908	0.270	1.230	1209.970	20.978
117.600	45.937	48.875	0.270	1.230	1209.970	20.954
117.800	45.807	48.827	0.270	1.230	1209.970	20.917
118.000	45.807	48.794	0.270	1.230	1209.970	20.893
118.200	45.807	48.762	0.269	1.231	1209.969	20.869
118.400	45.807	48.729	0.269	1.231	1209.969	20.845
118.600	45.678	48.681	0.269	1.231	1209.969	20.808
118.800	45.678	48.648	0.269	1.231	1209.969	20.784
119.000	45.678	48.616	0.269	1.231	1209.969	20.760
119.200	45.678	48.584	0.269	1.231	1209.969	20.735
119.400	45.549	48.551	0.268	1.232	1209.968	20.711
119.600	45.549	48.519	0.268	1.232	1209.968	20.687
119.800	45.549	48.486	0.268	1.232	1209.968	20.663
120.000	45.420	48.454	0.268	1.232	1209.968	20.627
120.200	45.420	48.406	0.268	1.232	1209.968	20.603
120.400	45.420	48.373	0.268	1.232	1209.968	20.578
120.600	45.420	48.341	0.268	1.232	1209.968	20.554
120.800	45.291	48.308	0.267	1.233	1209.967	20.518
121.000	45.291	48.260	0.267	1.233	1209.967	20.494
121.200	45.291	48.227	0.267	1.233	1209.967	20.470
121.400	45.291	48.195	0.267	1.233	1209.967	20.446
121.600	45.162	48.163	0.267	1.233	1209.967	20.422
121.800	45.162	48.130	0.267	1.233	1209.967	20.398
122.000	45.162	48.098	0.266	1.234	1209.966	20.374
122.200	45.162	48.065	0.266	1.234	1209.966	20.350
122.400	45.160	48.033	0.266	1.234	1209.966	20.326
122.600	45.156	48.001	0.266	1.234	1209.966	20.302
122.800	45.152	47.968	0.266	1.234	1209.966	20.278
123.000	45.149	47.936	0.266	1.234	1209.966	20.254
123.200	45.145	47.904	0.266	1.234	1209.966	20.231
123.400	45.141	47.871	0.265	1.235	1209.965	20.207
123.600	45.137	47.839	0.265	1.235	1209.965	20.183
123.800	45.134	47.806	0.265	1.235	1209.965	20.159
124.000	45.130	47.774	0.265	1.235	1209.965	20.135
124.200	45.126	47.742	0.265	1.235	1209.965	20.111
124.400	45.123	47.709	0.265	1.235	1209.965	20.088
124.600	45.119	47.677	0.264	1.236	1209.964	20.064
124.800	45.115	47.644	0.264	1.236	1209.964	20.040
125.000	45.111	47.612	0.264	1.236	1209.964	20.016
125.200	45.108	47.580	0.264	1.236	1209.964	19.992
125.400	45.104	47.547	0.264	1.236	1209.964	19.969
125.600	45.100	47.515	0.264	1.236	1209.964	19.945
125.800	45.096	47.482	0.264	1.236	1209.964	19.921
126.000	45.093	47.450	0.263	1.237	1209.963	19.898
126.200	45.089	47.418	0.263	1.237	1209.963	19.874
126.400	45.085	47.385	0.263	1.237	1209.963	19.850
126.600	45.082	47.353	0.263	1.237	1209.963	19.827
126.800	45.078	47.321	0.263	1.237	1209.963	19.803
127.000	45.074	47.288	0.263	1.237	1209.963	19.779
127.200	45.070	47.256	0.263	1.237	1209.963	19.756
127.400	45.067	47.223	0.262	1.238	1209.962	19.732
127.600	45.063	47.191	0.262	1.238	1209.962	19.709
127.800	45.059	47.159	0.262	1.238	1209.962	19.685
128.000	45.056	47.126	0.262	1.238	1209.962	19.662
128.200	45.052	47.094	0.262	1.238	1209.962	19.638
128.400	45.048	47.061	0.262	1.238	1209.962	19.615

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
128.600	45.044	47.029	0.261	1.239	1209.961	19.591
128.800	45.041	46.997	0.261	1.239	1209.961	19.568
129.000	45.037	46.964	0.261	1.239	1209.961	19.544
129.200	45.033	46.932	0.261	1.239	1209.961	19.521
129.400	45.029	46.899	0.261	1.239	1209.961	19.497
129.600	45.026	46.867	0.261	1.239	1209.961	19.474
129.800	45.022	46.835	0.261	1.239	1209.961	19.451
130.000	45.018	46.802	0.260	1.240	1209.960	19.427
130.200	45.015	46.770	0.260	1.240	1209.960	19.404
130.400	45.011	46.738	0.260	1.240	1209.960	19.380
130.600	45.007	46.705	0.260	1.240	1209.960	19.357
130.800	45.003	46.673	0.260	1.240	1209.960	19.334
131.000	45.000	46.640	0.260	1.240	1209.960	19.310
131.200	44.996	46.608	0.260	1.240	1209.960	19.287
131.400	44.992	46.576	0.259	1.241	1209.959	19.264
131.600	44.989	46.543	0.259	1.241	1209.959	19.241
131.800	44.985	46.511	0.259	1.241	1209.959	19.217
132.000	44.981	46.478	0.259	1.241	1209.959	19.194
132.200	44.977	46.446	0.259	1.241	1209.959	19.171
132.400	44.974	46.414	0.259	1.241	1209.959	19.148
132.600	44.970	46.381	0.259	1.241	1209.959	19.124
132.800	44.966	46.349	0.258	1.242	1209.958	19.101
133.000	44.962	46.316	0.258	1.242	1209.958	19.078
133.200	44.959	46.284	0.258	1.242	1209.958	19.055
133.400	44.955	46.252	0.258	1.242	1209.958	19.032
133.600	44.951	46.219	0.258	1.242	1209.958	19.009
133.800	44.948	46.187	0.258	1.242	1209.958	18.986
134.000	44.944	46.155	0.257	1.243	1209.957	18.963
134.200	44.940	46.122	0.257	1.243	1209.957	18.940
134.400	44.936	46.090	0.257	1.243	1209.957	18.916
134.600	44.933	46.057	0.257	1.243	1209.957	18.893
134.800	44.929	46.025	0.257	1.243	1209.957	18.870
135.000	44.925	45.993	0.257	1.243	1209.957	18.847
135.200	44.922	45.960	0.257	1.243	1209.957	18.824
135.400	44.918	45.928	0.256	1.244	1209.956	18.801
135.600	44.914	45.895	0.256	1.244	1209.956	18.778
135.800	44.910	45.863	0.256	1.244	1209.956	18.767
136.000	44.907	45.863	0.256	1.244	1209.956	18.755
136.200	44.903	45.847	0.256	1.244	1209.956	18.755
136.400	44.899	45.847	0.256	1.244	1209.956	18.755
136.600	44.895	45.847	0.256	1.244	1209.956	18.755
136.800	44.892	45.847	0.256	1.244	1209.956	18.755
137.000	44.888	45.831	0.256	1.244	1209.956	18.744
137.200	44.884	45.831	0.256	1.244	1209.956	18.744
137.400	44.881	45.831	0.256	1.244	1209.956	18.744
137.600	44.877	45.831	0.256	1.244	1209.956	18.744
137.800	44.873	45.814	0.256	1.244	1209.956	18.733
138.000	44.869	45.814	0.256	1.244	1209.956	18.733
138.200	44.866	45.814	0.256	1.244	1209.956	18.733
138.400	44.862	45.814	0.256	1.244	1209.956	18.733
138.600	44.858	45.814	0.256	1.244	1209.956	18.721
138.800	44.855	45.798	0.256	1.244	1209.956	18.721
139.000	44.851	45.798	0.256	1.244	1209.956	18.721
139.200	44.847	45.798	0.256	1.244	1209.956	18.721
139.400	44.843	45.798	0.256	1.244	1209.956	18.710
139.600	44.840	45.782	0.256	1.244	1209.956	18.710
139.800	44.836	45.782	0.256	1.244	1209.956	18.710
140.000	44.832	45.782	0.256	1.244	1209.956	18.710
140.200	44.828	45.782	0.256	1.244	1209.956	18.710
140.400	44.825	45.766	0.256	1.244	1209.956	18.698
140.600	44.821	45.766	0.256	1.244	1209.956	18.698
140.800	44.817	45.766	0.256	1.244	1209.956	18.698
141.000	44.814	45.766	0.256	1.244	1209.956	18.698
141.200	44.810	45.766	0.256	1.244	1209.956	18.687
141.400	44.806	45.750	0.256	1.244	1209.956	18.687
141.600	44.802	45.750	0.256	1.244	1209.956	18.687
141.800	44.799	45.750	0.256	1.244	1209.956	18.687
142.000	44.795	45.750	0.256	1.244	1209.956	18.675
142.200	44.791	45.733	0.256	1.244	1209.956	18.675
142.400	44.788	45.733	0.256	1.244	1209.956	18.675
142.600	44.784	45.733	0.256	1.244	1209.956	18.675
142.800	44.780	45.733	0.256	1.244	1209.956	18.675
143.000	44.776	45.717	0.256	1.244	1209.956	18.664
143.200	44.773	45.717	0.256	1.244	1209.956	18.664
143.400	44.769	45.717	0.256	1.244	1209.956	18.664
143.600	44.765	45.717	0.256	1.244	1209.956	18.664
143.800	44.761	45.701	0.255	1.245	1209.955	18.652
144.000	44.758	45.701	0.255	1.245	1209.955	18.652
144.200	44.754	45.701	0.255	1.245	1209.955	18.652
144.400	44.750	45.701	0.255	1.245	1209.955	18.652
144.600	44.747	45.701	0.255	1.245	1209.955	18.641
144.800	44.743	45.685	0.255	1.245	1209.955	18.641
145.000	44.739	45.685	0.255	1.245	1209.955	18.641

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
145.200	44.735	45.685	0.255	1.245	1209.955	18.641
145.400	44.732	45.685	0.255	1.245	1209.955	18.630
145.600	44.728	45.669	0.255	1.245	1209.955	18.630
145.800	44.724	45.669	0.255	1.245	1209.955	18.630
146.000	44.721	45.669	0.255	1.245	1209.955	18.630
146.200	44.717	45.669	0.255	1.245	1209.955	18.630
146.400	44.713	45.653	0.255	1.245	1209.955	18.618
146.600	44.709	45.653	0.255	1.245	1209.955	18.618
146.800	44.706	45.653	0.255	1.245	1209.955	18.618
147.000	44.702	45.653	0.255	1.245	1209.955	18.618
147.200	44.698	45.636	0.255	1.245	1209.955	18.607
147.400	44.694	45.636	0.255	1.245	1209.955	18.607
147.600	44.691	45.636	0.255	1.245	1209.955	18.607
147.800	44.687	45.636	0.255	1.245	1209.955	18.607
148.000	44.683	45.636	0.255	1.245	1209.955	18.595
148.200	44.680	45.620	0.255	1.245	1209.955	18.595
148.400	44.676	45.620	0.255	1.245	1209.955	18.595
148.600	44.672	45.620	0.255	1.245	1209.955	18.595
148.800	44.668	45.620	0.255	1.245	1209.955	18.584
149.000	44.665	45.604	0.255	1.245	1209.955	18.584
149.200	44.661	45.604	0.255	1.245	1209.955	18.584
149.400	44.657	45.604	0.255	1.245	1209.955	18.584
149.600	44.654	45.604	0.255	1.245	1209.955	18.584
149.800	44.650	45.588	0.255	1.245	1209.955	18.572
150.000	44.646	45.588	0.255	1.245	1209.955	18.572
150.200	44.642	45.588	0.255	1.245	1209.955	18.572
150.400	44.639	45.588	0.255	1.245	1209.955	18.572
150.600	44.635	45.572	0.255	1.245	1209.955	18.561
150.800	44.631	45.572	0.255	1.245	1209.955	18.561
151.000	44.627	45.572	0.255	1.245	1209.955	18.561
151.200	44.624	45.572	0.255	1.245	1209.955	18.561
151.400	44.618	45.572	0.255	1.245	1209.955	18.550
151.600	44.611	45.555	0.255	1.245	1209.955	18.550
151.800	44.603	45.555	0.255	1.245	1209.955	18.538
152.000	44.596	45.539	0.255	1.245	1209.955	18.538
152.200	44.588	45.539	0.255	1.245	1209.955	18.527
152.400	44.581	45.523	0.255	1.245	1209.955	18.527
152.600	44.573	45.523	0.255	1.245	1209.955	18.527
152.800	44.566	45.507	0.255	1.245	1209.955	18.515
153.000	44.559	45.507	0.255	1.245	1209.955	18.515
153.200	44.551	45.491	0.255	1.246	1209.955	18.504
153.400	44.544	45.491	0.255	1.246	1209.955	18.504
153.600	44.536	45.474	0.254	1.246	1209.954	18.493
153.800	44.529	45.474	0.254	1.246	1209.954	18.493
154.000	44.521	45.458	0.254	1.246	1209.954	18.481
154.200	44.514	45.458	0.254	1.246	1209.954	18.481
154.400	44.506	45.458	0.254	1.246	1209.954	18.470
154.600	44.499	45.442	0.254	1.246	1209.954	18.470
154.800	44.492	45.442	0.254	1.246	1209.954	18.458
155.000	44.484	45.426	0.254	1.246	1209.954	18.458
155.200	44.477	45.426	0.254	1.246	1209.954	18.447
155.400	44.469	45.410	0.254	1.246	1209.954	18.447
155.600	44.462	45.410	0.254	1.246	1209.954	18.436
155.800	44.454	45.393	0.254	1.246	1209.954	18.436
156.000	44.447	45.393	0.254	1.246	1209.954	18.436
156.200	44.439	45.377	0.254	1.246	1209.954	18.424
156.400	44.432	45.377	0.254	1.246	1209.954	18.424
156.600	44.425	45.361	0.254	1.246	1209.954	18.413
156.800	44.417	45.361	0.254	1.246	1209.954	18.413
157.000	44.410	45.345	0.254	1.246	1209.954	18.402
157.200	44.402	45.345	0.254	1.246	1209.954	18.402
157.400	44.395	45.329	0.254	1.246	1209.954	18.390
157.600	44.387	45.329	0.254	1.246	1209.954	18.390
157.800	44.380	45.329	0.254	1.246	1209.954	18.379
158.000	44.372	45.312	0.254	1.246	1209.954	18.379
158.200	44.365	45.312	0.254	1.246	1209.954	18.368
158.400	44.358	45.296	0.254	1.246	1209.954	18.368
158.600	44.350	45.296	0.254	1.246	1209.954	18.356
158.800	44.343	45.280	0.254	1.246	1209.954	18.356
159.000	44.335	45.280	0.254	1.246	1209.954	18.356
159.200	44.328	45.264	0.253	1.247	1209.953	18.345
159.400	44.320	45.264	0.253	1.247	1209.953	18.345
159.600	44.313	45.248	0.253	1.247	1209.953	18.334
159.800	44.305	45.248	0.253	1.247	1209.953	18.334
160.000	44.298	45.231	0.253	1.247	1209.953	18.322
160.200	44.291	45.231	0.253	1.247	1209.953	18.322
160.400	44.283	45.215	0.253	1.247	1209.953	18.311
160.600	44.276	45.215	0.253	1.247	1209.953	18.311
160.800	44.268	45.215	0.253	1.247	1209.953	18.300
161.000	44.261	45.199	0.253	1.247	1209.953	18.300
161.200	44.253	45.199	0.253	1.247	1209.953	18.288
161.400	44.246	45.183	0.253	1.247	1209.953	18.288
161.600	44.238	45.183	0.253	1.247	1209.953	18.277

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
161.800	44.231	45.167	0.253	1.247	1209.953	18.277
162.000	44.224	45.167	0.253	1.247	1209.953	18.266
162.200	44.216	45.151	0.253	1.247	1209.953	18.266
162.400	44.209	45.151	0.253	1.247	1209.953	18.266
162.600	44.201	45.134	0.253	1.247	1209.953	18.254
162.800	44.194	45.134	0.253	1.247	1209.953	18.254
163.000	44.186	45.118	0.253	1.247	1209.953	18.243
163.200	44.179	45.118	0.253	1.247	1209.953	18.243
163.400	44.171	45.102	0.253	1.247	1209.953	18.232
163.600	44.164	45.102	0.253	1.247	1209.953	18.232
163.800	44.157	45.086	0.253	1.247	1209.953	18.220
164.000	44.149	45.086	0.253	1.247	1209.953	18.220
164.200	44.142	45.086	0.253	1.247	1209.953	18.209
164.400	44.134	45.070	0.253	1.247	1209.953	18.209
164.600	44.127	45.070	0.252	1.248	1209.952	18.198
164.800	44.119	45.053	0.252	1.248	1209.952	18.198
165.000	44.112	45.053	0.252	1.248	1209.952	18.187
165.200	44.104	45.037	0.252	1.248	1209.952	18.187
165.400	44.097	45.037	0.252	1.248	1209.952	18.187
165.600	44.090	45.021	0.252	1.248	1209.952	18.175
165.800	44.082	45.021	0.252	1.248	1209.952	18.175
166.000	44.075	45.005	0.252	1.248	1209.952	18.164
166.200	44.067	45.005	0.252	1.248	1209.952	18.164
166.400	44.060	44.989	0.252	1.248	1209.952	18.153
166.600	44.052	44.989	0.252	1.248	1209.952	18.153
166.800	44.045	44.972	0.252	1.248	1209.952	18.141
167.000	44.037	44.972	0.252	1.248	1209.952	18.141
167.200	44.030	44.972	0.252	1.248	1209.952	18.130
167.400	44.023	44.956	0.252	1.248	1209.952	18.130
167.600	44.015	44.956	0.252	1.248	1209.952	18.119
167.800	44.008	44.940	0.252	1.248	1209.952	18.119
168.000	44.000	44.940	0.252	1.248	1209.952	18.108
168.200	43.993	44.924	0.252	1.248	1209.952	18.108
168.400	43.985	44.924	0.252	1.248	1209.952	18.096
168.600	43.978	44.908	0.252	1.248	1209.952	18.096
168.800	43.970	44.908	0.252	1.248	1209.952	18.096
169.000	43.963	44.891	0.252	1.248	1209.952	18.085
169.200	43.956	44.891	0.252	1.248	1209.952	18.085
169.400	43.948	44.875	0.252	1.248	1209.952	18.074
169.600	43.941	44.875	0.252	1.248	1209.952	18.074
169.800	43.933	44.859	0.252	1.248	1209.952	18.063
170.000	43.926	44.859	0.252	1.248	1209.952	18.063
170.200	43.918	44.843	0.252	1.248	1209.952	18.051
170.400	43.911	44.843	0.252	1.248	1209.952	18.051
170.600	43.903	44.843	0.251	1.249	1209.951	18.040
170.800	43.896	44.827	0.251	1.249	1209.951	18.040
171.000	43.889	44.827	0.251	1.249	1209.951	18.029
171.200	43.881	44.810	0.251	1.249	1209.951	18.029
171.400	43.874	44.810	0.251	1.249	1209.951	18.018
171.600	43.866	44.794	0.251	1.249	1209.951	18.018
171.800	43.859	44.794	0.251	1.249	1209.951	18.018
172.000	43.851	44.778	0.251	1.249	1209.951	18.007
172.200	43.844	44.778	0.251	1.249	1209.951	18.007
172.400	43.836	44.762	0.251	1.249	1209.951	17.995
172.600	43.829	44.762	0.251	1.249	1209.951	17.995
172.800	43.822	44.746	0.251	1.249	1209.951	17.984
173.000	43.814	44.746	0.251	1.249	1209.951	17.984
173.200	43.807	44.729	0.251	1.249	1209.951	17.973
173.400	43.799	44.729	0.251	1.249	1209.951	17.973
173.600	43.792	44.729	0.251	1.249	1209.951	17.962
173.800	43.784	44.713	0.251	1.249	1209.951	17.962
174.000	43.777	44.713	0.251	1.249	1209.951	17.950
174.200	43.769	44.697	0.251	1.249	1209.951	17.950
174.400	43.762	44.697	0.251	1.249	1209.951	17.939
174.600	43.755	44.681	0.251	1.249	1209.951	17.939
174.800	43.747	44.681	0.251	1.249	1209.951	17.928
175.000	43.740	44.665	0.251	1.249	1209.951	17.928
175.200	43.732	44.665	0.251	1.249	1209.951	17.928
175.400	43.725	44.648	0.251	1.249	1209.951	17.917
175.600	43.717	44.648	0.251	1.249	1209.951	17.917
175.800	43.710	44.632	0.251	1.249	1209.951	17.906
176.000	43.702	44.632	0.251	1.249	1209.951	17.906
176.200	43.695	44.616	0.250	1.250	1209.950	17.894
176.400	43.688	44.616	0.250	1.250	1209.950	17.894
176.600	43.680	44.600	0.250	1.250	1209.950	17.883
176.800	43.673	44.600	0.250	1.250	1209.950	17.883
177.000	43.665	44.600	0.250	1.250	1209.950	17.872
177.200	43.658	44.584	0.250	1.250	1209.950	17.872
177.400	43.648	44.584	0.250	1.250	1209.950	17.861
177.600	43.637	44.568	0.250	1.250	1209.950	17.861
177.800	43.626	44.551	0.250	1.250	1209.950	17.850
178.000	43.615	44.551	0.250	1.250	1209.950	17.839
178.200	43.604	44.535	0.250	1.250	1209.950	17.827

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
178.400	43.593	44.519	0.250	1.250	1209.950	17.827
178.600	43.581	44.503	0.250	1.250	1209.950	17.816
178.800	43.570	44.503	0.250	1.250	1209.950	17.805
179.000	43.559	44.487	0.250	1.250	1209.950	17.805
179.200	43.548	44.470	0.250	1.250	1209.950	17.794
179.400	43.537	44.470	0.250	1.250	1209.950	17.783
179.600	43.526	44.454	0.250	1.250	1209.950	17.783
179.800	43.514	44.438	0.250	1.250	1209.950	17.772
180.000	43.503	44.422	0.250	1.250	1209.950	17.760
180.200	43.492	44.422	0.250	1.250	1209.950	17.749
180.400	43.481	44.406	0.250	1.250	1209.950	17.749
180.600	43.470	44.389	0.249	1.251	1209.949	17.738
180.800	43.459	44.389	0.249	1.251	1209.949	17.727
181.000	43.447	44.373	0.249	1.251	1209.949	17.727
181.200	43.436	44.357	0.249	1.251	1209.949	17.716
181.400	43.425	44.357	0.249	1.251	1209.949	17.705
181.600	43.414	44.341	0.249	1.251	1209.949	17.705
181.800	43.403	44.325	0.249	1.251	1209.949	17.694
182.000	43.392	44.308	0.249	1.251	1209.949	17.683
182.200	43.380	44.308	0.249	1.251	1209.949	17.671
182.400	43.369	44.292	0.249	1.251	1209.949	17.671
182.600	43.358	44.276	0.249	1.251	1209.949	17.660
182.800	43.347	44.276	0.249	1.251	1209.949	17.649
183.000	43.336	44.260	0.249	1.251	1209.949	17.649
183.200	43.325	44.244	0.249	1.251	1209.949	17.638
183.400	43.313	44.244	0.249	1.251	1209.949	17.627
183.600	43.302	44.227	0.249	1.251	1209.949	17.616
183.800	43.291	44.211	0.249	1.251	1209.949	17.616
184.000	43.280	44.195	0.249	1.251	1209.949	17.605
184.200	43.269	44.195	0.248	1.252	1209.948	17.594
184.400	43.258	44.179	0.248	1.252	1209.948	17.594
184.600	43.246	44.163	0.248	1.252	1209.948	17.583
184.800	43.235	44.163	0.248	1.252	1209.948	17.572
185.000	43.224	44.146	0.248	1.252	1209.948	17.572
185.200	43.213	44.130	0.248	1.252	1209.948	17.561
185.400	43.202	44.130	0.248	1.252	1209.948	17.549
185.600	43.191	44.114	0.248	1.252	1209.948	17.538
185.800	43.179	44.098	0.248	1.252	1209.948	17.538
186.000	43.168	44.082	0.248	1.252	1209.948	17.527
186.200	43.157	44.082	0.248	1.252	1209.948	17.516
186.400	43.146	44.066	0.248	1.252	1209.948	17.516
186.600	43.135	44.049	0.248	1.252	1209.948	17.505
186.800	43.124	44.049	0.248	1.252	1209.948	17.494
187.000	43.112	44.033	0.248	1.252	1209.948	17.494
187.200	43.101	44.017	0.248	1.252	1209.948	17.483
187.400	43.090	44.001	0.248	1.252	1209.948	17.472
187.600	43.079	44.001	0.248	1.252	1209.948	17.461
187.800	43.068	43.985	0.248	1.252	1209.948	17.461
188.000	43.057	43.968	0.248	1.253	1209.948	17.450
188.200	43.045	43.968	0.247	1.253	1209.947	17.439
188.400	43.034	43.952	0.247	1.253	1209.947	17.439
188.600	43.023	43.936	0.247	1.253	1209.947	17.428
188.800	43.011	43.936	0.247	1.253	1209.947	17.417
189.000	42.999	43.920	0.247	1.253	1209.947	17.406
189.200	42.987	43.904	0.247	1.253	1209.947	17.406
189.400	42.975	43.887	0.247	1.253	1209.947	17.395
189.600	42.963	43.887	0.247	1.253	1209.947	17.384
189.800	42.951	43.871	0.247	1.253	1209.947	17.373
190.000	42.939	43.855	0.247	1.253	1209.947	17.373
190.200	42.927	43.839	0.247	1.253	1209.947	17.362
190.400	42.915	43.823	0.247	1.253	1209.947	17.351
190.600	42.903	43.823	0.247	1.253	1209.947	17.340
190.800	42.891	43.806	0.247	1.253	1209.947	17.340
191.000	42.879	43.790	0.247	1.253	1209.947	17.329
191.200	42.867	43.774	0.247	1.253	1209.947	17.318
191.400	42.855	43.774	0.247	1.253	1209.947	17.307
191.600	42.843	43.758	0.247	1.253	1209.947	17.307
191.800	42.831	43.742	0.246	1.254	1209.946	17.296
192.000	42.819	43.725	0.246	1.254	1209.946	17.285
192.200	42.807	43.725	0.246	1.254	1209.946	17.274
192.400	42.795	43.709	0.246	1.254	1209.946	17.274
192.600	42.783	43.693	0.246	1.254	1209.946	17.263
192.800	42.771	43.677	0.246	1.254	1209.946	17.252
193.000	42.759	43.677	0.246	1.254	1209.946	17.241
193.200	42.747	43.661	0.246	1.254	1209.946	17.241
193.400	42.735	43.644	0.246	1.254	1209.946	17.230
193.600	42.723	43.628	0.246	1.254	1209.946	17.219
193.800	42.711	43.628	0.246	1.254	1209.946	17.208
194.000	42.699	43.612	0.246	1.254	1209.946	17.208
194.200	42.687	43.596	0.246	1.254	1209.946	17.197
194.400	42.675	43.580	0.246	1.254	1209.946	17.186
194.600	42.661	43.580	0.246	1.254	1209.946	17.175
194.800	42.645	43.563	0.246	1.254	1209.946	17.164

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
195.000	42.629	43.547	0.246	1.255	1209.946	17.153
195.200	42.613	43.531	0.245	1.255	1209.945	17.142
195.400	42.597	43.515	0.245	1.255	1209.945	17.131
195.600	42.581	43.499	0.245	1.255	1209.945	17.120
195.800	42.565	43.483	0.245	1.255	1209.945	17.109
196.000	42.549	43.466	0.245	1.255	1209.945	17.098
196.200	42.533	43.450	0.245	1.255	1209.945	17.088
196.400	42.517	43.434	0.245	1.255	1209.945	17.077
196.600	42.501	43.418	0.245	1.255	1209.945	17.066
196.800	42.485	43.402	0.245	1.255	1209.945	17.055
197.000	42.469	43.385	0.245	1.255	1209.945	17.044
197.200	42.453	43.369	0.245	1.255	1209.945	17.033
197.400	42.437	43.353	0.245	1.255	1209.945	17.022
197.600	42.421	43.321	0.245	1.255	1209.945	17.011
197.800	42.405	43.304	0.244	1.256	1209.944	17.000
198.000	42.389	43.288	0.244	1.256	1209.944	16.989
198.200	42.372	43.272	0.244	1.256	1209.944	16.979
198.400	42.356	43.256	0.244	1.256	1209.944	16.968
198.600	42.340	43.240	0.244	1.256	1209.944	16.957
198.800	42.324	43.223	0.244	1.256	1209.944	16.946
199.000	42.308	43.207	0.244	1.256	1209.944	16.935
199.200	42.292	43.191	0.244	1.256	1209.944	16.924
199.400	42.276	43.175	0.244	1.256	1209.944	16.913
199.600	42.260	43.159	0.244	1.256	1209.944	16.902
199.800	42.244	43.142	0.244	1.256	1209.944	16.892
200.000	42.228	43.126	0.244	1.256	1209.944	16.881
200.200	42.212	43.110	0.244	1.256	1209.944	16.870
200.400	42.196	43.094	0.243	1.257	1209.943	16.859
200.600	42.180	43.078	0.243	1.257	1209.943	16.848
200.800	42.164	43.061	0.243	1.257	1209.943	16.837
201.000	42.148	43.045	0.243	1.257	1209.943	16.826
201.200	42.132	43.029	0.243	1.257	1209.943	16.816
201.400	42.116	43.013	0.243	1.257	1209.943	16.805
201.600	42.100	42.997	0.243	1.257	1209.943	16.794
201.800	42.084	42.980	0.243	1.257	1209.943	16.783
202.000	42.068	42.964	0.243	1.257	1209.943	16.772
202.200	42.052	42.948	0.243	1.257	1209.943	16.762
202.400	42.036	42.932	0.243	1.257	1209.943	16.751
202.600	42.020	42.916	0.243	1.257	1209.943	16.740
202.800	42.004	42.900	0.243	1.257	1209.943	16.729
203.000	41.988	42.883	0.243	1.257	1209.943	16.718
203.200	41.972	42.867	0.242	1.258	1209.942	16.708
203.400	41.956	42.851	0.242	1.258	1209.942	16.697
203.600	41.940	42.835	0.242	1.258	1209.942	16.686
203.800	41.924	42.819	0.242	1.258	1209.942	16.675
204.000	41.908	42.802	0.242	1.258	1209.942	16.664
204.200	41.892	42.786	0.242	1.258	1209.942	16.654
204.400	41.876	42.770	0.242	1.258	1209.942	16.643
204.600	41.860	42.754	0.242	1.258	1209.942	16.632
204.800	41.844	42.738	0.242	1.258	1209.942	16.621
205.000	41.828	42.721	0.242	1.258	1209.942	16.611
205.200	41.812	42.705	0.242	1.258	1209.942	16.600
205.400	41.796	42.689	0.242	1.258	1209.942	16.589
205.600	41.780	42.673	0.242	1.258	1209.942	16.578
205.800	41.764	42.657	0.241	1.259	1209.941	16.568
206.000	41.744	42.640	0.241	1.259	1209.941	16.546
206.200	41.724	42.624	0.241	1.259	1209.941	16.535
206.400	41.704	42.608	0.241	1.259	1209.941	16.525
206.600	41.684	42.576	0.241	1.259	1209.941	16.514
206.800	41.664	42.559	0.241	1.259	1209.941	16.492
207.000	41.644	42.543	0.241	1.259	1209.941	16.482
207.200	41.624	42.511	0.241	1.259	1209.941	16.471
207.400	41.604	42.495	0.241	1.259	1209.941	16.460
207.600	41.584	42.478	0.241	1.259	1209.941	16.439
207.800	41.564	42.462	0.241	1.259	1209.941	16.428
208.000	41.544	42.430	0.240	1.260	1209.940	16.417
208.200	41.523	42.414	0.240	1.260	1209.940	16.407
208.400	41.503	42.398	0.240	1.260	1209.940	16.385
208.600	41.483	42.381	0.240	1.260	1209.940	16.375
208.800	41.463	42.349	0.240	1.260	1209.940	16.364
209.000	41.443	42.333	0.240	1.260	1209.940	16.353
209.200	41.423	42.317	0.240	1.260	1209.940	16.332
209.400	41.403	42.300	0.240	1.260	1209.940	16.321
209.600	41.383	42.268	0.240	1.260	1209.940	16.311
209.800	41.363	42.252	0.240	1.260	1209.940	16.289
210.000	41.343	42.236	0.239	1.261	1209.939	16.279
210.200	41.323	42.219	0.239	1.261	1209.939	16.268
210.400	41.303	42.187	0.239	1.261	1209.939	16.257
210.600	41.283	42.171	0.239	1.261	1209.939	16.236
210.800	41.263	42.155	0.239	1.261	1209.939	16.225
211.000	41.243	42.138	0.239	1.261	1209.939	16.215
211.200	41.223	42.106	0.239	1.261	1209.939	16.204
211.400	41.203	42.090	0.239	1.261	1209.939	16.183

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
211.600	41.183	42.074	0.239	1.261	1209.939	16.172
211.800	41.163	42.041	0.239	1.261	1209.939	16.162
212.000	41.143	42.025	0.239	1.261	1209.939	16.151
212.200	41.123	42.009	0.238	1.262	1209.938	16.130
212.400	41.103	41.993	0.238	1.262	1209.938	16.119
212.600	41.083	41.960	0.238	1.262	1209.938	16.109
212.800	41.063	41.944	0.238	1.262	1209.938	16.098
213.000	41.043	41.928	0.238	1.262	1209.938	16.077
213.200	41.023	41.912	0.238	1.262	1209.938	16.066
213.400	41.003	41.879	0.238	1.262	1209.938	16.056
213.600	40.983	41.863	0.238	1.262	1209.938	16.045
213.800	40.963	41.847	0.238	1.262	1209.938	16.024
214.000	40.943	41.831	0.238	1.262	1209.938	16.014
214.200	40.923	41.798	0.238	1.262	1209.938	16.003
214.400	40.899	41.782	0.237	1.263	1209.937	15.982
214.600	40.875	41.750	0.237	1.263	1209.937	15.971
214.800	40.851	41.734	0.237	1.263	1209.937	15.950
215.000	40.827	41.701	0.237	1.263	1209.937	15.940
215.200	40.803	41.685	0.237	1.263	1209.937	15.919
215.400	40.779	41.653	0.237	1.263	1209.937	15.908
215.600	40.755	41.636	0.237	1.263	1209.937	15.887
215.800	40.731	41.604	0.237	1.263	1209.937	15.877
216.000	40.707	41.588	0.236	1.264	1209.936	15.856
216.200	40.682	41.555	0.236	1.264	1209.936	15.845
216.400	40.658	41.539	0.236	1.264	1209.936	15.824
216.600	40.634	41.507	0.236	1.264	1209.936	15.814
216.800	40.610	41.491	0.236	1.264	1209.936	15.793
217.000	40.586	41.458	0.236	1.264	1209.936	15.782
217.200	40.562	41.442	0.236	1.264	1209.936	15.761
217.400	40.538	41.410	0.236	1.264	1209.936	15.751
217.600	40.514	41.393	0.236	1.264	1209.936	15.730
217.800	40.490	41.361	0.236	1.264	1209.936	15.719
218.000	40.466	41.345	0.235	1.265	1209.935	15.699
218.200	40.442	41.313	0.235	1.265	1209.935	15.678
218.400	40.418	41.296	0.235	1.265	1209.935	15.667
218.600	40.394	41.264	0.235	1.265	1209.935	15.646
218.800	40.370	41.248	0.235	1.265	1209.935	15.636
219.000	40.346	41.215	0.235	1.265	1209.935	15.615
219.200	40.322	41.199	0.235	1.265	1209.935	15.605
219.400	40.298	41.167	0.235	1.265	1209.935	15.584
219.600	40.270	41.151	0.234	1.266	1209.934	15.573
219.800	40.242	41.118	0.234	1.266	1209.934	15.553
220.000	40.214	41.086	0.234	1.266	1209.934	15.532
220.200	40.186	41.053	0.234	1.266	1209.934	15.511
220.400	40.158	41.021	0.234	1.266	1209.934	15.501
220.600	40.130	41.005	0.234	1.266	1209.934	15.480
220.800	40.102	40.972	0.234	1.266	1209.934	15.459
221.000	40.074	40.940	0.234	1.266	1209.934	15.438
221.200	40.046	40.908	0.233	1.267	1209.933	15.428
221.400	40.018	40.891	0.233	1.267	1209.933	15.407
221.600	39.990	40.859	0.233	1.267	1209.933	15.387
221.800	39.962	40.827	0.233	1.267	1209.933	15.366
222.000	39.934	40.794	0.233	1.267	1209.933	15.345
222.200	39.906	40.778	0.233	1.267	1209.933	15.335
222.400	39.878	40.746	0.233	1.267	1209.933	15.314
222.600	39.849	40.713	0.232	1.268	1209.932	15.294
222.800	39.821	40.681	0.232	1.268	1209.932	15.273
223.000	39.793	40.665	0.232	1.268	1209.932	15.263
223.200	39.765	40.632	0.232	1.268	1209.932	15.242
223.400	39.737	40.600	0.232	1.268	1209.932	15.222
223.600	39.709	40.568	0.232	1.268	1209.932	15.201
223.800	39.681	40.535	0.232	1.268	1209.932	15.191
224.000	39.653	40.519	0.232	1.268	1209.932	15.170
224.200	39.625	40.487	0.231	1.269	1209.931	15.150
224.400	39.593	40.454	0.231	1.269	1209.931	15.129
224.600	39.561	40.422	0.231	1.269	1209.931	15.109
224.800	39.529	40.389	0.231	1.269	1209.931	15.088
225.000	39.497	40.357	0.231	1.269	1209.931	15.068
225.200	39.465	40.325	0.231	1.269	1209.931	15.047
225.400	39.433	40.292	0.231	1.269	1209.931	15.027
225.600	39.401	40.260	0.230	1.270	1209.930	15.007
225.800	39.369	40.227	0.230	1.270	1209.930	14.986
226.000	39.337	40.195	0.230	1.270	1209.930	14.966
226.200	39.305	40.163	0.230	1.270	1209.930	14.945
226.400	39.273	40.130	0.230	1.270	1209.930	14.925
226.600	39.241	40.098	0.230	1.270	1209.930	14.905
226.800	39.209	40.066	0.230	1.271	1209.930	14.884
227.000	39.177	40.033	0.229	1.271	1209.929	14.864
227.200	39.145	40.001	0.229	1.271	1209.929	14.844
227.400	39.113	39.968	0.229	1.271	1209.929	14.824
227.600	39.081	39.936	0.229	1.271	1209.929	14.803
227.800	39.049	39.904	0.229	1.271	1209.929	14.783
228.000	39.016	39.871	0.229	1.271	1209.929	14.763

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
228.200	38.984	39.839	0.228	1.272	1209.928	14.743
228.400	38.952	39.806	0.228	1.272	1209.928	14.722
228.600	38.920	39.774	0.228	1.272	1209.928	14.702
228.800	38.885	39.742	0.228	1.272	1209.928	14.682
229.000	38.849	39.709	0.228	1.272	1209.928	14.662
229.200	38.811	39.677	0.228	1.272	1209.928	14.642
229.400	38.770	39.645	0.228	1.272	1209.928	14.621
229.600	38.730	39.612	0.227	1.273	1209.927	14.601
229.800	38.690	39.580	0.227	1.273	1209.927	14.581
230.000	38.649	39.547	0.227	1.273	1209.927	14.561
230.200	38.609	39.515	0.227	1.273	1209.927	14.541
230.400	38.569	39.483	0.227	1.273	1209.927	14.521
230.600	38.528	39.450	0.227	1.273	1209.927	14.501
230.800	38.488	39.418	0.227	1.273	1209.927	14.481
231.000	38.448	39.385	0.226	1.274	1209.926	14.461
231.200	38.407	39.353	0.226	1.274	1209.926	14.441
231.400	38.367	39.321	0.226	1.274	1209.926	14.421
231.600	38.327	39.288	0.226	1.274	1209.926	14.401
231.800	38.286	39.256	0.226	1.274	1209.926	14.381
232.000	38.246	39.223	0.226	1.274	1209.926	14.361
232.200	38.206	39.191	0.225	1.275	1209.925	14.341
232.400	38.166	39.159	0.225	1.275	1209.925	14.321
232.600	38.125	39.126	0.225	1.275	1209.925	14.301
232.800	38.085	39.094	0.225	1.275	1209.925	14.281
233.000	38.045	39.062	0.225	1.275	1209.925	14.261
233.200	38.004	39.029	0.225	1.275	1209.925	14.242
233.400	37.964	38.997	0.225	1.275	1209.925	14.222
233.600	37.924	38.964	0.224	1.276	1209.924	14.202
233.800	37.883	38.932	0.224	1.276	1209.924	14.182
234.000	37.843	38.900	0.224	1.276	1209.924	14.162
234.200	37.803	38.867	0.224	1.276	1209.924	14.142
234.400	37.762	38.835	0.224	1.276	1209.924	14.123
234.600	37.722	38.802	0.224	1.276	1209.924	14.103
234.800	37.682	38.770	0.224	1.276	1209.924	14.083
235.000	37.641	38.738	0.223	1.277	1209.923	14.063
235.200	37.601	38.705	0.223	1.277	1209.923	14.044
235.400	37.561	38.673	0.223	1.277	1209.923	14.024
235.600	37.520	38.640	0.223	1.277	1209.923	14.004
235.800	37.480	38.608	0.223	1.277	1209.923	13.985
236.000	37.440	38.576	0.223	1.277	1209.923	13.965
236.200	37.400	38.543	0.223	1.278	1209.923	13.945
236.400	37.359	38.511	0.222	1.278	1209.922	13.926
236.600	37.319	38.479	0.222	1.278	1209.922	13.906
236.800	37.279	38.446	0.222	1.278	1209.922	13.886
237.000	37.238	38.414	0.222	1.278	1209.922	13.867
237.200	37.198	38.381	0.222	1.278	1209.922	13.847
237.400	37.158	38.349	0.222	1.278	1209.922	13.828
237.600	37.117	38.317	0.221	1.279	1209.921	13.808
237.800	37.077	38.284	0.221	1.279	1209.921	13.789
238.000	37.037	38.252	0.221	1.279	1209.921	13.769
238.200	36.996	38.219	0.221	1.279	1209.921	13.750
238.400	36.956	38.187	0.221	1.279	1209.921	13.730
238.600	36.916	38.155	0.221	1.279	1209.921	13.711
238.800	36.875	38.122	0.221	1.279	1209.921	13.691
239.000	36.835	38.090	0.220	1.280	1209.920	13.672
239.200	36.795	38.057	0.220	1.280	1209.920	13.652
239.400	36.754	38.025	0.220	1.280	1209.920	13.633
239.600	36.714	37.993	0.220	1.280	1209.920	13.614
239.800	36.674	37.960	0.220	1.280	1209.920	13.594
240.000	36.633	37.928	0.220	1.280	1209.920	13.575
240.200	36.593	37.896	0.220	1.280	1209.920	13.555
240.400	36.553	37.863	0.219	1.281	1209.919	13.536
240.600	36.513	37.831	0.219	1.281	1209.919	13.517
240.800	36.472	37.798	0.219	1.281	1209.919	13.497
241.000	36.432	37.766	0.219	1.281	1209.919	13.478
241.200	36.392	37.734	0.219	1.281	1209.919	13.459
241.400	36.351	37.701	0.219	1.281	1209.919	13.440
241.600	36.311	37.669	0.218	1.282	1209.918	13.420
241.800	36.271	37.636	0.218	1.282	1209.918	13.401
242.000	36.230	37.604	0.218	1.282	1209.918	13.382
242.200	36.190	37.572	0.218	1.282	1209.918	13.363
242.400	36.150	37.539	0.218	1.282	1209.918	13.344
242.600	36.109	37.507	0.218	1.282	1209.918	13.324
242.800	36.069	37.474	0.218	1.282	1209.918	13.305
243.000	36.029	37.442	0.217	1.283	1209.917	13.286
243.200	35.988	37.410	0.217	1.283	1209.917	13.267
243.400	35.948	37.377	0.217	1.283	1209.917	13.248
243.600	35.908	37.345	0.217	1.283	1209.917	13.229
243.800	35.867	37.313	0.217	1.283	1209.917	13.210
244.000	35.827	37.280	0.217	1.283	1209.917	13.190
244.200	35.787	37.248	0.217	1.283	1209.917	13.171
244.400	35.746	37.215	0.216	1.284	1209.916	13.152
244.600	35.706	37.183	0.216	1.284	1209.916	13.133

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
244.800	35.666	37.151	0.216	1.284	1209.916	13.114
245.000	35.626	37.118	0.216	1.284	1209.916	13.095
245.200	35.585	37.086	0.216	1.284	1209.916	13.076
245.400	35.545	37.053	0.216	1.284	1209.916	13.057
245.600	35.505	37.021	0.216	1.284	1209.916	13.038
245.800	35.464	36.989	0.215	1.285	1209.915	13.019
246.000	35.424	36.956	0.215	1.285	1209.915	13.000
246.200	35.384	36.924	0.215	1.285	1209.915	12.982
246.400	35.343	36.892	0.215	1.285	1209.915	12.963
246.600	35.303	36.859	0.215	1.285	1209.915	12.944
246.800	35.263	36.827	0.215	1.285	1209.915	12.925
247.000	35.222	36.794	0.214	1.286	1209.914	12.906
247.200	35.182	36.762	0.214	1.286	1209.914	12.887
247.400	35.142	36.730	0.214	1.286	1209.914	12.868
247.600	35.101	36.697	0.214	1.286	1209.914	12.850
247.800	35.061	36.665	0.214	1.286	1209.914	12.831
248.000	35.021	36.632	0.214	1.286	1209.914	12.812
248.200	34.980	36.600	0.214	1.286	1209.914	12.793
248.400	34.940	36.568	0.213	1.287	1209.913	12.774
248.600	34.900	36.535	0.213	1.287	1209.913	12.756
248.800	34.859	36.503	0.213	1.287	1209.913	12.737
249.000	34.819	36.470	0.213	1.287	1209.913	12.718
249.200	34.779	36.438	0.213	1.287	1209.913	12.699
249.400	34.743	36.406	0.213	1.287	1209.913	12.681
249.600	34.707	36.373	0.213	1.287	1209.913	12.662
249.800	34.671	36.341	0.212	1.288	1209.912	12.643
250.000	34.635	36.309	0.212	1.288	1209.912	12.625
250.200	34.600	36.276	0.212	1.288	1209.912	12.606
250.400	34.564	36.244	0.212	1.288	1209.912	12.588
250.600	34.528	36.211	0.212	1.288	1209.912	12.569
250.800	34.492	36.179	0.212	1.288	1209.912	12.550
251.000	34.456	36.147	0.211	1.289	1209.911	12.532
251.200	34.420	36.114	0.211	1.289	1209.911	12.513
251.400	34.385	36.082	0.211	1.289	1209.911	12.495
251.600	34.349	36.049	0.211	1.289	1209.911	12.476
251.800	34.310	36.017	0.211	1.289	1209.911	12.458
252.000	34.268	35.985	0.211	1.289	1209.911	12.439
252.200	34.227	35.952	0.211	1.289	1209.911	12.421
252.400	34.186	35.920	0.210	1.290	1209.910	12.402
252.600	34.144	35.887	0.210	1.290	1209.910	12.384
252.800	34.103	35.855	0.210	1.290	1209.910	12.365
253.000	34.061	35.823	0.210	1.290	1209.910	12.347
253.200	34.020	35.790	0.210	1.290	1209.910	12.329
253.400	33.978	35.758	0.210	1.290	1209.910	12.310
253.600	33.937	35.726	0.210	1.290	1209.910	12.292
253.800	33.895	35.693	0.209	1.291	1209.909	12.273
254.000	33.854	35.661	0.209	1.291	1209.909	12.255
254.200	33.813	35.628	0.209	1.291	1209.909	12.237
254.400	33.771	35.596	0.209	1.291	1209.909	12.218
254.600	33.730	35.564	0.209	1.291	1209.909	12.200
254.800	33.688	35.531	0.209	1.291	1209.909	12.182
255.000	33.647	35.499	0.209	1.291	1209.909	12.163
255.200	33.605	35.466	0.208	1.292	1209.908	12.145
255.400	33.564	35.434	0.208	1.292	1209.908	12.127
255.600	33.523	35.402	0.208	1.292	1209.908	12.109
255.800	33.481	35.369	0.208	1.292	1209.908	12.090
256.000	33.440	35.337	0.208	1.292	1209.908	12.072
256.200	33.398	35.304	0.208	1.292	1209.908	12.054
256.400	33.357	35.272	0.207	1.293	1209.907	12.036
256.600	33.315	35.240	0.207	1.293	1209.907	12.018
256.800	33.274	35.207	0.207	1.293	1209.907	12.000
257.000	33.233	35.175	0.207	1.293	1209.907	11.981
257.200	33.191	35.143	0.207	1.293	1209.907	11.963
257.400	33.150	35.110	0.207	1.293	1209.907	11.945
257.600	33.108	35.078	0.207	1.293	1209.907	11.927
257.800	33.067	35.045	0.206	1.294	1209.906	11.909
258.000	33.025	35.013	0.206	1.294	1209.906	11.891
258.200	32.984	34.981	0.206	1.294	1209.906	11.873
258.400	32.943	34.948	0.206	1.294	1209.906	11.855
258.600	32.901	34.916	0.206	1.294	1209.906	11.837
258.800	32.860	34.883	0.206	1.294	1209.906	11.819
259.000	32.818	34.851	0.206	1.294	1209.906	11.801
259.200	32.777	34.819	0.205	1.295	1209.905	11.783
259.400	32.735	34.786	0.205	1.295	1209.905	11.765
259.600	32.694	34.754	0.205	1.295	1209.905	11.747
259.800	32.653	34.721	0.205	1.295	1209.905	11.729
260.000	32.611	34.689	0.205	1.295	1209.905	11.711
260.200	32.570	34.657	0.205	1.295	1209.905	11.693
260.400	32.528	34.624	0.204	1.296	1209.904	11.675
260.600	32.487	34.592	0.204	1.296	1209.904	11.658
260.800	32.445	34.560	0.204	1.296	1209.904	11.640
261.000	32.404	34.527	0.204	1.296	1209.904	11.622
261.200	32.362	34.495	0.204	1.296	1209.904	11.604

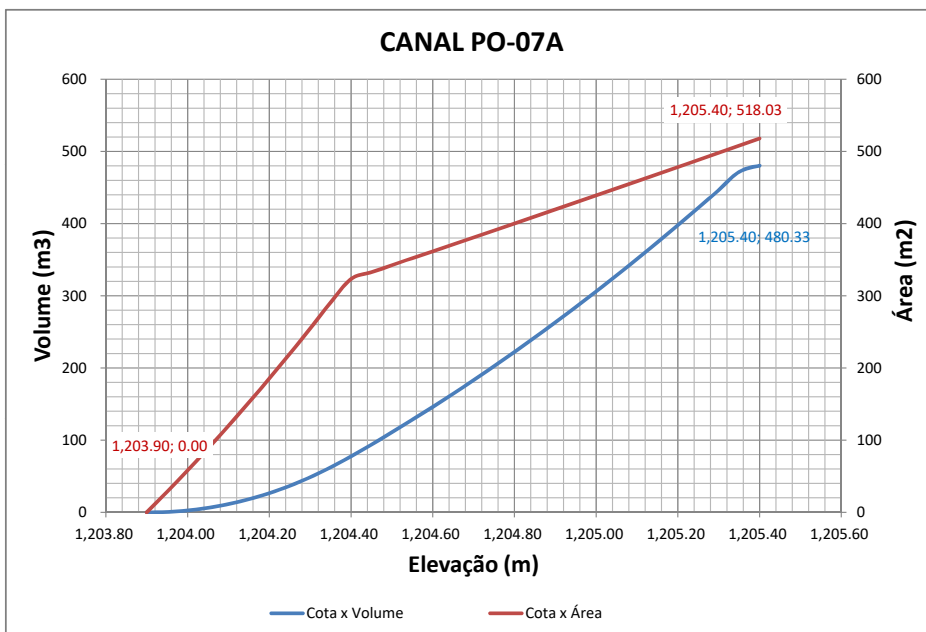
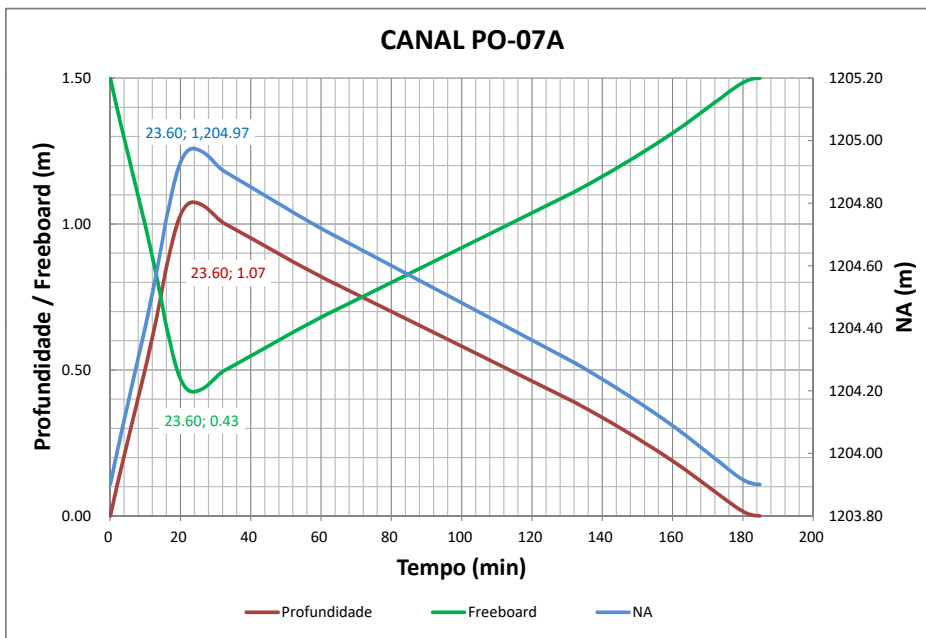
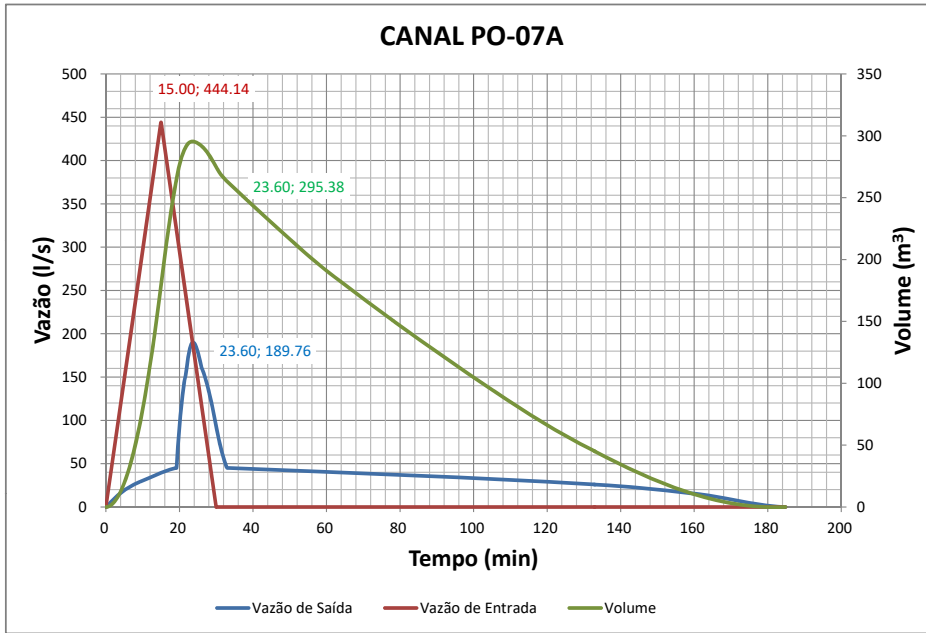
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
261.400	32.321	34.462	0.204	1.296	1209.904	11.586
261.600	32.280	34.430	0.204	1.296	1209.904	11.568
261.800	32.238	34.398	0.203	1.297	1209.903	11.551
262.000	32.197	34.365	0.203	1.297	1209.903	11.533
262.200	32.155	34.333	0.203	1.297	1209.903	11.515
262.400	32.114	34.300	0.203	1.297	1209.903	11.497
262.600	32.072	34.268	0.203	1.297	1209.903	11.480
262.800	32.031	34.236	0.203	1.297	1209.903	11.462
263.000	31.990	34.203	0.202	1.298	1209.902	11.435
263.200	31.948	34.155	0.202	1.298	1209.902	11.418
263.400	31.907	34.106	0.202	1.298	1209.902	11.391
263.600	31.865	34.074	0.202	1.298	1209.902	11.365
263.800	31.824	34.025	0.202	1.298	1209.902	11.347
264.000	31.782	33.977	0.202	1.298	1209.902	11.321
264.200	31.741	33.928	0.201	1.299	1209.901	11.294
264.400	31.700	33.896	0.201	1.299	1209.901	11.268
264.600	31.658	33.847	0.201	1.299	1209.901	11.250
264.800	31.617	33.798	0.201	1.299	1209.901	11.224
265.000	31.575	33.766	0.200	1.300	1209.900	11.198
265.200	31.534	33.717	0.200	1.300	1209.900	11.180
265.400	31.492	33.669	0.200	1.300	1209.900	11.154
265.600	31.451	33.636	0.200	1.300	1209.900	11.128
265.800	31.410	33.588	0.200	1.300	1209.900	11.102
266.000	31.368	33.539	0.200	1.300	1209.900	11.085
266.200	31.327	33.491	0.199	1.301	1209.899	11.059
266.400	31.285	33.458	0.199	1.301	1209.899	11.032
266.600	31.244	33.410	0.199	1.301	1209.899	11.015
266.800	31.202	33.361	0.199	1.301	1209.899	10.989
267.000	31.161	33.329	0.198	1.302	1209.898	10.963
267.200	31.120	33.280	0.198	1.302	1209.898	10.946
267.400	31.078	33.232	0.198	1.302	1209.898	10.920
267.600	31.037	33.183	0.198	1.302	1209.898	10.894
267.800	30.995	33.151	0.198	1.302	1209.898	10.868
268.000	30.954	33.102	0.198	1.303	1209.898	10.851
268.200	30.912	33.053	0.197	1.303	1209.897	10.825
268.400	30.871	33.021	0.197	1.303	1209.897	10.799
268.600	30.830	32.973	0.197	1.303	1209.897	10.782
268.800	30.788	32.924	0.197	1.303	1209.897	10.757
269.000	30.747	32.892	0.196	1.304	1209.896	10.731
269.200	30.705	32.843	0.196	1.304	1209.896	10.705
269.400	30.664	32.794	0.196	1.304	1209.896	10.688
269.600	30.622	32.746	0.196	1.304	1209.896	10.663
269.800	30.581	32.713	0.196	1.304	1209.896	10.637
270.000	30.539	32.665	0.195	1.305	1209.895	10.620
270.200	30.498	32.616	0.195	1.305	1209.895	10.595
270.400	30.457	32.584	0.195	1.305	1209.895	10.569
270.600	30.415	32.535	0.195	1.305	1209.895	10.552
270.800	30.374	32.487	0.195	1.305	1209.895	10.527
271.000	30.332	32.438	0.194	1.306	1209.894	10.501
271.200	30.291	32.406	0.194	1.306	1209.894	10.476
271.400	30.249	32.357	0.194	1.306	1209.894	10.459
271.600	30.208	32.309	0.194	1.306	1209.894	10.434
271.800	30.167	32.276	0.194	1.306	1209.894	10.409
272.000	30.125	32.228	0.193	1.307	1209.893	10.392
272.200	30.084	32.179	0.193	1.307	1209.893	10.366
272.400	30.042	32.147	0.193	1.307	1209.893	10.341
272.600	30.001	32.098	0.193	1.307	1209.893	10.316
272.800	29.959	32.049	0.193	1.307	1209.893	10.299
273.000	29.918	32.001	0.192	1.308	1209.892	10.274
273.200	29.877	31.968	0.192	1.308	1209.892	10.249
273.400	29.835	31.920	0.192	1.308	1209.892	10.233
273.600	29.794	31.871	0.192	1.308	1209.892	10.207
273.800	29.752	31.839	0.192	1.308	1209.892	10.183
274.000	29.711	31.790	0.191	1.309	1209.891	10.166
274.200	29.669	31.742	0.191	1.309	1209.891	10.141
274.400	29.628	31.693	0.191	1.309	1209.891	10.116
274.600	29.587	31.661	0.191	1.309	1209.891	10.091
274.800	29.545	31.612	0.191	1.309	1209.891	10.075
275.000	29.504	31.564	0.190	1.310	1209.890	10.050
275.200	29.462	31.531	0.190	1.310	1209.890	10.025
275.400	29.421	31.483	0.190	1.310	1209.890	10.008
275.600	29.379	31.434	0.190	1.310	1209.890	9.984
275.800	29.338	31.402	0.190	1.310	1209.890	9.959
276.000	29.297	31.353	0.189	1.311	1209.889	9.934
276.200	29.255	31.305	0.189	1.311	1209.889	9.918
276.400	29.214	31.256	0.189	1.311	1209.889	9.893
276.600	29.172	31.224	0.189	1.311	1209.889	9.869
276.800	29.131	31.175	0.189	1.311	1209.889	9.852
277.000	29.089	31.126	0.188	1.312	1209.888	9.828
277.200	29.048	31.094	0.188	1.312	1209.888	9.803
277.400	29.001	31.045	0.188	1.312	1209.888	9.779
277.600	28.950	30.981	0.188	1.312	1209.888	9.754
277.800	28.899	30.932	0.188	1.312	1209.888	9.730

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
278.000	28.848	30.883	0.187	1.313	1209.887	9.698
278.200	28.797	30.835	0.187	1.313	1209.887	9.673
278.400	28.746	30.770	0.187	1.313	1209.887	9.649
278.600	28.696	30.722	0.186	1.314	1209.886	9.617
278.800	28.645	30.673	0.186	1.314	1209.886	9.592
279.000	28.594	30.608	0.186	1.314	1209.886	9.568
279.200	28.543	30.560	0.186	1.314	1209.886	9.536
279.400	28.492	30.511	0.186	1.314	1209.886	9.512
279.600	28.441	30.446	0.185	1.315	1209.885	9.488
279.800	28.390	30.398	0.185	1.315	1209.885	9.456
280.000	28.339	30.349	0.185	1.315	1209.885	9.432
280.200	28.288	30.284	0.185	1.315	1209.885	9.408
280.400	28.237	30.236	0.184	1.316	1209.884	9.376
280.600	28.186	30.187	0.184	1.316	1209.884	9.352
280.800	28.135	30.122	0.184	1.316	1209.884	9.328
281.000	28.084	30.074	0.184	1.316	1209.884	9.296
281.200	28.027	30.009	0.183	1.317	1209.883	9.272
281.400	27.970	29.960	0.183	1.317	1209.883	9.241
281.600	27.912	29.896	0.183	1.317	1209.883	9.209
281.800	27.855	29.831	0.182	1.318	1209.882	9.178
282.000	27.798	29.766	0.182	1.318	1209.882	9.154
282.200	27.740	29.718	0.182	1.318	1209.882	9.122
282.400	27.683	29.653	0.182	1.318	1209.882	9.091
282.600	27.626	29.588	0.181	1.319	1209.881	9.060
282.800	27.569	29.523	0.181	1.319	1209.881	9.036
283.000	27.511	29.475	0.181	1.319	1209.881	9.005
283.200	27.454	29.410	0.180	1.320	1209.880	8.974
283.400	27.397	29.345	0.180	1.320	1209.880	8.943
283.600	27.339	29.280	0.180	1.320	1209.880	8.919
283.800	27.282	29.232	0.180	1.320	1209.880	8.888
284.000	27.225	29.167	0.179	1.321	1209.879	8.857
284.200	27.167	29.102	0.179	1.321	1209.879	8.826
284.400	27.110	29.054	0.179	1.321	1209.879	8.803
284.600	27.053	28.989	0.179	1.321	1209.879	8.772
284.800	26.996	28.924	0.178	1.322	1209.878	8.741
285.000	26.938	28.859	0.178	1.322	1209.878	8.711
285.200	26.881	28.811	0.178	1.322	1209.878	8.688
285.400	26.824	28.746	0.177	1.323	1209.877	8.657
285.600	26.766	28.681	0.177	1.323	1209.877	8.627
285.800	26.709	28.616	0.177	1.323	1209.877	8.596
286.000	26.652	28.568	0.177	1.323	1209.877	8.573
286.200	26.594	28.503	0.176	1.324	1209.876	8.543
286.400	26.537	28.438	0.176	1.324	1209.876	8.512
286.600	26.480	28.373	0.176	1.324	1209.876	8.482
286.800	26.422	28.325	0.175	1.325	1209.875	8.459
287.000	26.365	28.260	0.175	1.325	1209.875	8.429
287.200	26.308	28.195	0.175	1.325	1209.875	8.399
287.400	26.251	28.130	0.175	1.325	1209.875	8.377
287.600	26.193	28.082	0.174	1.326	1209.874	8.346
287.800	26.136	28.017	0.174	1.326	1209.874	8.316
288.000	26.079	27.952	0.174	1.326	1209.874	8.287
288.200	26.021	27.888	0.174	1.326	1209.874	8.264
288.400	25.964	27.839	0.173	1.327	1209.873	8.234
288.600	25.907	27.774	0.173	1.327	1209.873	8.205
288.800	25.849	27.709	0.173	1.327	1209.873	8.175
289.000	25.792	27.645	0.172	1.328	1209.872	8.153
289.200	25.735	27.596	0.172	1.328	1209.872	8.123
289.400	25.678	27.531	0.172	1.328	1209.872	8.093
289.600	25.620	27.467	0.172	1.328	1209.872	8.064
289.800	25.563	27.402	0.171	1.329	1209.871	8.042
290.000	25.506	27.353	0.171	1.329	1209.871	8.012
290.200	25.448	27.288	0.171	1.329	1209.871	7.983
290.400	25.391	27.224	0.170	1.330	1209.870	7.954
290.600	25.334	27.175	0.170	1.330	1209.870	7.932
290.800	25.276	27.110	0.170	1.330	1209.870	7.903
291.000	25.219	27.045	0.170	1.330	1209.870	7.873
291.200	25.162	26.981	0.169	1.331	1209.869	7.844
291.400	25.104	26.932	0.169	1.331	1209.869	7.823
291.600	25.047	26.867	0.169	1.331	1209.869	7.794
291.800	24.990	26.803	0.168	1.332	1209.868	7.765
292.000	24.933	26.738	0.168	1.332	1209.868	7.736
292.200	24.875	26.689	0.168	1.332	1209.868	7.714
292.400	24.818	26.624	0.168	1.332	1209.868	7.685
292.600	24.761	26.560	0.167	1.333	1209.867	7.657
292.800	24.703	26.495	0.167	1.333	1209.867	7.628
293.000	24.646	26.446	0.167	1.333	1209.867	7.607
293.200	24.589	26.382	0.167	1.333	1209.867	7.578
293.400	24.531	26.317	0.166	1.334	1209.866	7.549
293.600	24.474	26.252	0.166	1.334	1209.866	7.528
293.800	24.417	26.203	0.166	1.334	1209.866	7.500
294.000	24.360	26.139	0.165	1.335	1209.865	7.471
294.200	24.302	26.074	0.165	1.335	1209.865	7.443
294.400	24.245	26.009	0.165	1.335	1209.865	7.422

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
294.600	24.184	25.960	0.165	1.335	1209.865	7.394
294.800	24.121	25.896	0.164	1.336	1209.864	7.366
295.000	24.057	25.831	0.164	1.336	1209.864	7.337
295.200	23.993	25.766	0.164	1.336	1209.864	7.309
295.400	23.930	25.701	0.163	1.337	1209.863	7.281
295.600	23.866	25.637	0.163	1.337	1209.863	7.254
295.800	23.802	25.572	0.163	1.337	1209.863	7.226
296.000	23.739	25.507	0.163	1.337	1209.863	7.198
296.200	23.675	25.442	0.162	1.338	1209.862	7.170
296.400	23.611	25.377	0.162	1.338	1209.862	7.142
296.600	23.548	25.313	0.162	1.338	1209.862	7.115
296.800	23.484	25.248	0.161	1.339	1209.861	7.087
297.000	23.420	25.183	0.161	1.339	1209.861	7.060
297.200	23.357	25.118	0.161	1.339	1209.861	7.032
297.400	23.293	25.054	0.160	1.340	1209.860	7.005
297.600	23.229	24.989	0.160	1.340	1209.860	6.977
297.800	23.166	24.924	0.160	1.340	1209.860	6.950
298.000	23.102	24.859	0.160	1.340	1209.860	6.923
298.200	23.038	24.794	0.159	1.341	1209.859	6.896
298.400	22.975	24.730	0.159	1.341	1209.859	6.869
298.600	22.911	24.665	0.159	1.341	1209.859	6.842
298.800	22.847	24.600	0.158	1.342	1209.858	6.815
299.000	22.784	24.535	0.158	1.342	1209.858	6.788
299.200	22.720	24.471	0.158	1.342	1209.858	6.761
299.400	22.656	24.406	0.157	1.343	1209.857	6.734
299.600	22.593	24.341	0.157	1.343	1209.857	6.707
299.800	22.529	24.276	0.157	1.343	1209.857	6.680
300.000	22.465	24.212	0.157	1.343	1209.857	6.654
300.200	22.353	24.147	0.156	1.344	1209.856	6.627
300.400	22.261	24.082	0.156	1.344	1209.856	6.600
300.600	22.169	24.017	0.156	1.344	1209.856	6.574
300.800	22.076	23.952	0.155	1.345	1209.855	6.548
301.000	21.984	23.888	0.155	1.345	1209.855	6.521
301.200	21.892	23.823	0.155	1.345	1209.855	6.495
301.400	21.800	23.758	0.154	1.346	1209.854	6.469
301.600	21.707	23.693	0.154	1.346	1209.854	6.442
301.800	21.615	23.629	0.154	1.346	1209.854	6.416
302.000	21.523	23.564	0.154	1.346	1209.854	6.390
302.200	21.431	23.499	0.153	1.347	1209.853	6.364
302.400	21.338	23.434	0.153	1.347	1209.853	6.338
302.600	21.246	23.369	0.153	1.347	1209.853	6.312
302.800	21.154	23.305	0.152	1.348	1209.852	6.286
303.000	21.062	23.250	0.152	1.348	1209.852	6.260
303.200	20.969	23.204	0.152	1.348	1209.852	6.235
303.400	20.877	23.159	0.152	1.348	1209.852	6.209
303.600	20.785	23.113	0.151	1.349	1209.851	6.183
303.800	20.693	23.068	0.151	1.349	1209.851	6.158
304.000	20.600	23.022	0.151	1.349	1209.851	6.132
304.200	20.462	22.954	0.150	1.350	1209.850	6.094
304.400	20.370	22.909	0.150	1.350	1209.850	6.068
304.600	20.278	22.863	0.150	1.350	1209.850	6.043
304.800	20.185	22.818	0.149	1.351	1209.849	6.018
305.000	20.093	22.761	0.149	1.351	1209.849	5.980
305.200	20.001	22.693	0.148	1.352	1209.848	5.942
305.400	19.909	22.625	0.148	1.352	1209.848	5.905
305.600	19.807	22.556	0.147	1.353	1209.847	5.867
305.800	19.706	22.488	0.147	1.353	1209.847	5.830
306.000	19.604	22.420	0.147	1.353	1209.847	5.793
306.200	19.503	22.352	0.146	1.354	1209.846	5.756
306.400	19.401	22.284	0.146	1.354	1209.846	5.719
306.600	19.300	22.215	0.145	1.355	1209.845	5.682
306.800	19.198	22.147	0.145	1.355	1209.845	5.645
307.000	19.097	22.079	0.144	1.356	1209.844	5.608
307.200	18.995	22.011	0.144	1.356	1209.844	5.572
307.400	18.894	21.943	0.143	1.357	1209.843	5.536
307.600	18.792	21.875	0.143	1.357	1209.843	5.499
307.800	18.691	21.806	0.143	1.357	1209.843	5.463
308.000	18.589	21.738	0.142	1.358	1209.842	5.427
308.200	18.488	21.670	0.142	1.358	1209.842	5.391
308.400	18.386	21.602	0.141	1.359	1209.841	5.355
308.600	18.285	21.534	0.141	1.359	1209.841	5.320
308.800	18.184	21.465	0.140	1.360	1209.840	5.284
309.000	18.082	21.397	0.140	1.360	1209.840	5.249
309.200	17.981	21.329	0.139	1.361	1209.839	5.214
309.400	17.879	21.261	0.139	1.361	1209.839	5.179
309.600	17.778	21.193	0.138	1.362	1209.838	5.138
309.800	17.676	21.102	0.138	1.362	1209.838	5.091
310.000	17.575	21.011	0.137	1.363	1209.837	5.045
310.200	17.473	20.920	0.137	1.363	1209.837	4.999
310.400	17.372	20.829	0.136	1.364	1209.836	4.953
310.600	17.270	20.738	0.136	1.364	1209.836	4.908
310.800	17.169	20.647	0.135	1.365	1209.835	4.862
311.000	17.067	20.556	0.134	1.366	1209.834	4.817

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
311.200	16.966	20.465	0.134	1.366	1209.834	4.772
311.400	16.864	20.375	0.133	1.367	1209.833	4.728
311.600	16.763	20.284	0.133	1.367	1209.833	4.683
311.800	16.661	20.193	0.132	1.368	1209.832	4.639
312.000	16.560	20.102	0.131	1.369	1209.831	4.595
312.200	16.458	20.011	0.131	1.369	1209.831	4.551
312.400	16.357	19.920	0.130	1.370	1209.830	4.507
312.600	16.256	19.829	0.130	1.370	1209.830	4.464
312.800	16.154	19.738	0.129	1.371	1209.829	4.421
313.000	16.053	19.647	0.128	1.372	1209.828	4.378
313.200	15.951	19.556	0.128	1.372	1209.828	4.335
313.400	15.850	19.466	0.127	1.373	1209.827	4.293
313.600	15.748	19.375	0.127	1.373	1209.827	4.250
313.800	15.647	19.284	0.126	1.374	1209.826	4.208
314.000	15.545	19.193	0.125	1.375	1209.825	4.166
314.200	15.444	19.102	0.125	1.375	1209.825	4.125
314.400	15.342	19.011	0.124	1.376	1209.824	4.083
314.600	15.236	18.920	0.124	1.376	1209.824	4.042
314.800	15.126	18.829	0.123	1.377	1209.823	4.001
315.000	15.015	18.738	0.122	1.378	1209.822	3.961
315.200	14.904	18.647	0.122	1.378	1209.822	3.920
315.400	14.793	18.556	0.121	1.379	1209.821	3.880
315.600	14.683	18.454	0.120	1.380	1209.820	3.830
315.800	14.572	18.341	0.120	1.380	1209.820	3.780
316.000	14.461	18.227	0.119	1.381	1209.819	3.730
316.200	14.351	18.113	0.118	1.382	1209.818	3.681
316.400	14.240	18.000	0.118	1.383	1209.818	3.633
316.600	14.129	17.886	0.117	1.383	1209.817	3.584
316.800	14.019	17.772	0.116	1.384	1209.816	3.536
317.000	13.908	17.659	0.115	1.385	1209.815	3.488
317.200	13.797	17.545	0.115	1.385	1209.815	3.441
317.400	13.686	17.431	0.114	1.386	1209.814	3.394
317.600	13.576	17.318	0.113	1.387	1209.813	3.347
317.800	13.465	17.204	0.112	1.388	1209.812	3.301
318.000	13.354	17.091	0.112	1.388	1209.812	3.255
318.200	13.244	16.977	0.111	1.389	1209.811	3.209
318.400	13.133	16.863	0.110	1.390	1209.810	3.164
318.600	13.006	16.750	0.109	1.391	1209.809	3.119
318.800	12.853	16.636	0.109	1.391	1209.809	3.075
319.000	12.700	16.522	0.108	1.392	1209.808	3.030
319.200	12.547	16.409	0.107	1.393	1209.807	2.986
319.400	12.394	16.295	0.106	1.394	1209.806	2.943
319.600	12.241	16.181	0.106	1.394	1209.806	2.900
319.800	12.088	16.056	0.105	1.395	1209.805	2.848
320.000	11.935	15.920	0.104	1.396	1209.804	2.797
320.200	11.782	15.784	0.103	1.397	1209.803	2.747
320.400	11.629	15.647	0.102	1.398	1209.802	2.697
320.600	11.475	15.511	0.101	1.399	1209.801	2.647
320.800	11.322	15.375	0.100	1.400	1209.800	2.598
321.000	11.169	15.238	0.099	1.401	1209.799	2.550
321.200	11.016	15.102	0.098	1.402	1209.798	2.502
321.400	10.863	14.966	0.098	1.402	1209.798	2.454
321.600	10.710	14.829	0.097	1.403	1209.797	2.407
321.800	10.557	14.693	0.096	1.404	1209.796	2.361
322.000	10.404	14.557	0.095	1.405	1209.795	2.314
322.200	10.251	14.409	0.094	1.406	1209.794	2.261
322.400	10.098	14.250	0.093	1.407	1209.793	2.209
322.600	9.945	14.091	0.092	1.408	1209.792	2.157
322.800	9.791	13.932	0.091	1.409	1209.791	2.106
323.000	9.638	13.772	0.090	1.410	1209.790	2.055
323.200	9.485	13.613	0.089	1.411	1209.789	2.005
323.400	9.332	13.454	0.088	1.412	1209.788	1.956
323.600	9.179	13.295	0.087	1.413	1209.787	1.907
323.800	9.026	13.136	0.086	1.415	1209.786	1.859
324.000	8.873	12.977	0.084	1.416	1209.784	1.812
324.200	8.720	12.818	0.083	1.417	1209.783	1.765
324.400	8.567	12.659	0.082	1.418	1209.782	1.719
324.600	8.414	12.488	0.081	1.419	1209.781	1.667
324.800	8.254	12.307	0.080	1.420	1209.780	1.616
325.000	8.088	12.125	0.079	1.421	1209.779	1.566
325.200	7.922	11.943	0.078	1.422	1209.778	1.517
325.400	7.757	11.761	0.076	1.424	1209.776	1.469
325.600	7.591	11.579	0.075	1.425	1209.775	1.421
325.800	7.425	11.397	0.074	1.426	1209.774	1.374
326.000	7.259	11.216	0.073	1.427	1209.773	1.328
326.200	7.093	11.034	0.072	1.428	1209.772	1.283
326.400	6.927	10.852	0.070	1.430	1209.770	1.236
326.600	6.762	10.648	0.069	1.431	1209.769	1.188
326.800	6.596	10.443	0.068	1.432	1209.768	1.140
327.000	6.430	10.238	0.066	1.434	1209.766	1.094
327.200	6.264	10.034	0.065	1.435	1209.765	1.048
327.400	6.098	9.829	0.064	1.436	1209.764	1.004
327.600	5.932	9.625	0.062	1.438	1209.762	0.961

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
327.800	5.766	9.420	0.061	1.439	1209.761	0.919
328.000	5.601	9.216	0.060	1.440	1209.760	0.877
328.200	5.435	9.000	0.058	1.442	1209.758	0.833
328.400	5.269	8.773	0.057	1.443	1209.757	0.790
328.600	5.103	8.545	0.055	1.445	1209.755	0.748
328.800	4.937	8.318	0.054	1.446	1209.754	0.708
329.000	4.771	8.091	0.052	1.448	1209.752	0.669
329.200	4.606	7.863	0.051	1.449	1209.751	0.631
329.400	4.440	7.636	0.049	1.451	1209.749	0.593
329.600	4.274	7.386	0.048	1.452	1209.748	0.554
329.800	4.108	7.136	0.046	1.454	1209.746	0.516
330.000	3.942	6.886	0.044	1.456	1209.744	0.480
330.200	3.789	6.636	0.043	1.457	1209.743	0.447
330.400	3.636	6.409	0.041	1.459	1209.741	0.416
330.600	3.483	6.170	0.040	1.460	1209.740	0.385
330.800	3.330	5.943	0.038	1.462	1209.738	0.357
331.000	3.177	5.716	0.037	1.463	1209.737	0.330
331.200	3.024	5.477	0.035	1.465	1209.735	0.302
331.400	2.870	5.250	0.034	1.466	1209.734	0.277
331.600	2.717	5.023	0.032	1.468	1209.732	0.252
331.800	2.577	4.784	0.031	1.469	1209.731	0.229
332.000	2.437	4.557	0.029	1.471	1209.729	0.207
332.200	2.296	4.329	0.028	1.472	1209.728	0.187
332.400	2.156	4.102	0.026	1.474	1209.726	0.167
332.600	2.016	3.875	0.025	1.475	1209.725	0.149
332.800	1.882	3.648	0.023	1.477	1209.723	0.131
333.000	1.754	3.420	0.022	1.478	1209.722	0.115
333.200	1.627	3.193	0.020	1.480	1209.720	0.100
333.400	1.499	2.966	0.019	1.481	1209.719	0.085
333.600	1.378	2.750	0.017	1.483	1209.717	0.074
333.800	1.263	2.545	0.016	1.484	1209.716	0.063
334.000	1.148	2.341	0.015	1.485	1209.715	0.053
334.200	1.046	2.136	0.013	1.487	1209.713	0.043
334.400	0.944	1.943	0.012	1.488	1209.712	0.036
334.600	0.842	1.761	0.011	1.489	1209.711	0.029
334.800	0.753	1.580	0.010	1.490	1209.710	0.023
335.000	0.663	1.409	0.009	1.491	1209.709	0.019
335.200	0.587	1.250	0.008	1.492	1209.708	0.014
335.400	0.510	1.091	0.007	1.493	1209.707	0.011
335.600	0.447	0.955	0.006	1.494	1209.706	0.008
335.800	0.383	0.830	0.005	1.495	1209.705	0.006
336.000	0.332	0.716	0.004	1.496	1209.704	0.005
336.200	0.281	0.614	0.004	1.496	1209.704	0.003
336.400	0.242	0.523	0.003	1.497	1209.703	0.002
336.600	0.204	0.443	0.003	1.497	1209.703	0.002
336.800	0.172	0.375	0.002	1.498	1209.702	0.001
337.000	0.147	0.307	0.002	1.498	1209.702	0.001
337.200	0.121	0.261	0.002	1.498	1209.702	0.001
337.400	0.108	0.216	0.001	1.499	1209.701	0.000
337.600	0.096	0.182	0.001	1.499	1209.701	0.000
337.800	0.083	0.159	0.001	1.499	1209.701	0.000
338.000	0.070	0.136	0.001	1.499	1209.701	0.000
338.200	0.057	0.114	0.001	1.499	1209.701	0.000
338.400	0.051	0.091	0.001	1.499	1209.701	0.000
338.600	0.051	0.000	0.001	1.499	1209.701	0.000





ARQUITETURA + URBANISMO
 CLN 207 BL B SL 200 - CEP 70.743-900
 BRASÍLIA - DF - FONE: 61 3214 3700

CANAL: PO-07A

DATA: 18.12.2019

IMPULSO DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	444.138	COTA DE FUNDO JUSANTE (m)	1205.400		
VAZÃO DE SAÍDA MAX. (l/s)	23.60	189.761	COTA VERTEDOIRO (m)	1204.900		
PROFUNDIDADE MAX. (m)	23.60	1.074	COTA DO ORIFÍCIO (m)	1203.900		
FREEBOARD MIN. (m)	23.60	0.426	VERTEDOIRO DE CONTROLE (cm)	-		
NA MAX. (m)	23.60	1,204.974	VERTEDOIRO DE DESCARGA (cm)	400.00		
VOLUME MAX (m ³)	23.60	295.38	DRENO DE FUNDO 3X Ø (mm)	150.00		
VOLUME TOTAL (m ³)		480.33	COEF. DE DESCARGA DO VERTEDOIRO	1.660		
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO	0.130		
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1203.900	0.000
0.200	5.922	0.166	0.007	1.493	1203.907	0.012
0.400	11.844	1.014	0.017	1.483	1203.917	0.085
0.600	17.766	1.952	0.028	1.472	1203.928	0.229
0.800	23.687	2.902	0.039	1.461	1203.939	0.445
1.000	29.609	3.859	0.051	1.449	1203.951	0.732
1.200	35.531	4.816	0.062	1.438	1203.962	1.086
1.400	41.453	5.741	0.072	1.428	1203.972	1.499
1.600	47.375	6.653	0.083	1.417	1203.983	1.973
1.800	53.297	7.553	0.093	1.407	1203.993	2.505
2.000	59.218	8.446	0.104	1.396	1204.004	3.100
2.200	65.140	9.332	0.114	1.386	1204.014	3.752
2.400	71.062	10.212	0.124	1.376	1204.024	4.468
2.600	76.984	11.093	0.134	1.366	1204.034	5.241
2.800	82.906	11.960	0.145	1.355	1204.045	6.072
3.000	88.828	12.828	0.155	1.345	1204.055	6.966
3.200	94.750	13.520	0.165	1.335	1204.065	7.923
3.400	100.671	14.148	0.175	1.325	1204.075	8.944
3.600	106.593	14.775	0.185	1.315	1204.085	10.030
3.800	112.515	15.402	0.195	1.305	1204.095	11.180
4.000	118.437	16.030	0.205	1.295	1204.105	12.395
4.200	124.359	16.657	0.215	1.285	1204.115	13.675
4.400	130.281	17.284	0.226	1.274	1204.126	15.022
4.600	136.202	17.911	0.236	1.264	1204.136	16.424
4.800	142.124	18.529	0.246	1.254	1204.146	17.880
5.000	148.046	19.147	0.256	1.244	1204.156	19.401
5.200	153.968	19.766	0.266	1.234	1204.166	20.987
5.400	159.890	20.384	0.276	1.225	1204.176	22.640
5.600	165.812	21.002	0.285	1.215	1204.185	24.359
5.800	171.733	21.620	0.295	1.205	1204.195	26.144
6.000	177.655	22.238	0.305	1.195	1204.205	27.995
6.200	183.577	22.749	0.315	1.185	1204.215	29.915
6.400	189.499	23.175	0.325	1.175	1204.225	31.902
6.600	195.421	23.602	0.335	1.165	1204.235	33.957
6.800	201.343	24.028	0.345	1.155	1204.245	36.080
7.000	207.265	24.455	0.355	1.145	1204.255	38.271
7.200	213.186	24.878	0.365	1.135	1204.265	40.497
7.400	219.108	25.299	0.375	1.125	1204.275	42.792
7.600	225.030	25.719	0.385	1.115	1204.285	45.154
7.800	230.952	26.139	0.395	1.105	1204.295	47.583
8.000	236.874	26.559	0.404	1.096	1204.304	50.081
8.200	242.796	26.980	0.414	1.086	1204.314	52.648
8.400	248.717	27.400	0.424	1.076	1204.324	55.285
8.600	254.639	27.820	0.434	1.066	1204.334	57.991
8.800	260.561	28.240	0.444	1.056	1204.344	60.767
9.000	266.483	28.661	0.454	1.047	1204.354	63.612
9.200	272.405	29.071	0.463	1.037	1204.363	66.521
9.400	278.327	29.413	0.473	1.027	1204.373	69.493
9.600	284.249	29.755	0.483	1.017	1204.383	72.528
9.800	290.170	30.097	0.493	1.007	1204.393	75.626
10.000	296.092	30.438	0.503	0.997	1204.403	78.785
10.200	302.014	30.780	0.513	0.987	1204.413	81.998
10.400	307.936	31.127	0.523	0.977	1204.423	85.280
10.600	313.858	31.479	0.533	0.967	1204.433	88.629
10.800	319.780	31.837	0.543	0.957	1204.443	92.048
11.000	325.701	32.199	0.554	0.946	1204.454	95.536
11.200	331.623	32.567	0.564	0.936	1204.464	99.096
11.400	337.545	32.940	0.575	0.925	1204.475	102.727
11.600	343.467	33.318	0.586	0.914	1204.486	106.407
11.800	349.389	33.699	0.597	0.903	1204.497	110.159
12.000	355.311	34.085	0.608	0.892	1204.508	113.986
12.200	361.232	34.456	0.619	0.881	1204.519	117.889
12.400	367.154	34.797	0.631	0.869	1204.531	121.841
12.600	373.076	35.142	0.642	0.858	1204.542	125.871
12.800	378.998	35.491	0.654	0.846	1204.554	129.953
13.000	384.920	35.843	0.666	0.834	1204.566	134.113
13.200	390.842	36.199	0.678	0.822	1204.578	138.353

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
13.400	396.764	36.557	0.690	0.810	1204.590	142.647
13.600	402.685	36.920	0.702	0.798	1204.602	146.996
13.800	408.607	37.285	0.714	0.786	1204.614	151.427
14.000	414.529	37.653	0.726	0.774	1204.626	155.914
14.200	420.451	38.024	0.739	0.761	1204.639	160.484
14.400	426.373	38.401	0.751	0.749	1204.651	165.112
14.600	432.295	38.779	0.764	0.736	1204.664	169.826
14.800	438.216	39.135	0.776	0.724	1204.676	174.570
15.000	444.138	39.477	0.789	0.711	1204.689	179.402
15.200	438.217	39.821	0.802	0.698	1204.702	184.237
15.400	432.295	40.160	0.814	0.686	1204.714	188.990
15.600	426.373	40.490	0.826	0.674	1204.726	193.657
15.800	420.452	40.813	0.838	0.662	1204.738	198.237
16.000	414.530	41.129	0.850	0.650	1204.750	202.786
16.200	408.608	41.439	0.861	0.639	1204.761	207.245
16.400	402.686	41.742	0.872	0.628	1204.772	211.611
16.600	396.764	42.036	0.883	0.617	1204.783	215.912
16.800	390.842	42.326	0.894	0.606	1204.794	220.147
17.000	384.920	42.609	0.904	0.596	1204.804	224.285
17.200	378.999	42.883	0.914	0.586	1204.814	228.353
17.400	373.077	43.144	0.924	0.576	1204.824	232.351
17.600	367.155	43.388	0.934	0.566	1204.834	236.277
17.800	361.233	43.628	0.943	0.557	1204.843	240.131
18.000	355.311	43.861	0.953	0.547	1204.853	243.909
18.200	349.389	44.090	0.962	0.538	1204.862	247.613
18.400	343.468	44.311	0.970	0.530	1204.870	251.239
18.600	337.546	44.529	0.979	0.521	1204.879	254.788
18.800	331.624	44.741	0.987	0.513	1204.887	258.289
19.000	325.702	44.948	0.995	0.505	1204.895	261.680
19.200	319.780	45.149	1.003	0.497	1204.903	265.020
19.400	313.858	57.690	1.011	0.489	1204.911	268.153
19.600	307.937	70.089	1.018	0.482	1204.918	271.076
19.800	302.015	81.713	1.024	0.476	1204.924	273.788
20.000	296.093	92.433	1.030	0.470	1204.930	276.318
20.200	290.171	102.249	1.036	0.464	1204.936	278.632
20.400	284.249	111.290	1.041	0.459	1204.941	280.761
20.600	278.327	119.685	1.045	0.455	1204.945	282.736
20.800	272.405	127.306	1.049	0.451	1204.949	284.555
21.000	266.484	134.280	1.053	0.447	1204.953	286.186
21.200	260.562	140.609	1.057	0.443	1204.957	287.691
21.400	254.640	146.421	1.060	0.440	1204.960	289.070
21.600	248.718	151.587	1.063	0.437	1204.963	290.258
21.800	242.796	156.108	1.065	0.435	1204.965	291.319
22.000	236.874	160.241	1.067	0.433	1204.967	292.317
22.200	230.953	166.979	1.069	0.431	1204.969	293.123
22.400	225.031	173.369	1.071	0.429	1204.971	293.800
22.600	219.109	178.648	1.072	0.428	1204.972	294.348
22.800	213.187	182.815	1.073	0.427	1204.973	294.768
23.000	207.265	185.871	1.074	0.426	1204.974	295.059
23.200	201.343	187.816	1.074	0.426	1204.974	295.253
23.400	195.422	189.205	1.074	0.426	1204.974	295.349
23.600	189.500	189.761	1.074	0.426	1204.974	295.382
23.800	183.578	189.761	1.074	0.426	1204.974	295.349
24.000	177.656	189.205	1.074	0.426	1204.974	295.253
24.200	171.734	188.094	1.074	0.426	1204.974	295.091
24.400	165.812	186.427	1.073	0.427	1204.973	294.865
24.600	159.891	184.204	1.073	0.427	1204.973	294.607
24.800	153.969	181.704	1.072	0.428	1204.972	294.284
25.000	148.047	178.926	1.071	0.429	1204.971	293.961
25.200	142.125	175.870	1.070	0.430	1204.970	293.574
25.400	136.203	172.536	1.069	0.431	1204.969	293.187
25.600	130.281	168.924	1.068	0.432	1204.968	292.736
25.800	124.359	165.034	1.067	0.433	1204.967	292.285
26.000	118.438	161.145	1.066	0.434	1204.966	291.802
26.200	112.516	159.078	1.065	0.435	1204.965	291.287
26.400	106.594	156.883	1.064	0.436	1204.964	290.708
26.600	100.672	154.558	1.062	0.438	1204.962	290.098
26.800	94.750	151.975	1.061	0.439	1204.961	289.455
27.000	88.828	149.262	1.059	0.441	1204.959	288.749
27.200	82.907	146.421	1.057	0.443	1204.957	288.011
27.400	76.985	143.321	1.056	0.444	1204.956	287.242
27.600	71.063	140.221	1.054	0.446	1204.954	286.442
27.800	65.141	136.863	1.052	0.448	1204.952	285.610
28.000	59.219	133.505	1.050	0.450	1204.950	284.747
28.200	53.297	129.889	1.048	0.452	1204.948	283.853
28.400	47.375	126.272	1.046	0.454	1204.946	282.927
28.600	41.454	122.398	1.043	0.457	1204.943	281.971
28.800	35.532	118.523	1.041	0.459	1204.941	281.016
29.000	29.610	114.519	1.039	0.461	1204.939	279.998
29.200	23.688	110.386	1.036	0.464	1204.936	278.981
29.400	17.766	106.253	1.034	0.466	1204.934	277.966
29.600	11.844	101.991	1.031	0.469	1204.931	276.888
29.800	5.923	97.599	1.029	0.471	1204.929	275.811

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	0.001	93.208	1.026	0.474	1204.926	274.736
30.200	0.000	88.817	1.024	0.476	1204.924	273.662
30.400	0.000	84.555	1.022	0.479	1204.922	272.652
30.600	0.000	80.422	1.019	0.481	1204.919	271.675
30.800	0.000	76.547	1.017	0.483	1204.917	270.730
31.000	0.000	72.801	1.015	0.485	1204.915	269.849
31.200	0.000	69.185	1.013	0.487	1204.913	269.001
31.400	0.000	65.827	1.011	0.489	1204.911	268.184
31.600	0.000	62.598	1.009	0.491	1204.909	267.431
31.800	0.000	59.498	1.007	0.493	1204.907	266.710
32.000	0.000	56.657	1.006	0.494	1204.906	266.021
32.200	0.000	53.815	1.004	0.496	1204.904	265.364
32.400	0.000	51.232	1.003	0.497	1204.903	264.738
32.600	0.000	48.649	1.001	0.499	1204.901	264.145
32.800	0.000	46.324	1.000	0.500	1204.900	263.582
33.000	0.000	45.145	0.999	0.501	1204.899	263.020
33.200	0.000	45.111	0.997	0.503	1204.897	262.459
33.400	0.000	45.078	0.996	0.504	1204.896	261.898
33.600	0.000	45.044	0.995	0.505	1204.895	261.337
33.800	0.000	45.011	0.993	0.507	1204.893	260.776
34.000	0.000	44.977	0.992	0.508	1204.892	260.216
34.200	0.000	44.944	0.991	0.509	1204.891	259.656
34.400	0.000	44.910	0.989	0.511	1204.889	259.097
34.600	0.000	44.877	0.988	0.512	1204.888	258.538
34.800	0.000	44.843	0.987	0.513	1204.887	257.979
35.000	0.000	44.810	0.985	0.515	1204.885	257.421
35.200	0.000	44.776	0.984	0.516	1204.884	256.862
35.400	0.000	44.743	0.983	0.517	1204.883	256.305
35.600	0.000	44.709	0.981	0.519	1204.881	255.747
35.800	0.000	44.676	0.980	0.520	1204.880	255.190
36.000	0.000	44.642	0.979	0.521	1204.879	254.634
36.200	0.000	44.609	0.977	0.523	1204.877	254.077
36.400	0.000	44.575	0.976	0.524	1204.876	253.521
36.600	0.000	44.542	0.975	0.525	1204.875	252.966
36.800	0.000	44.508	0.973	0.527	1204.873	252.410
37.000	0.000	44.475	0.972	0.528	1204.872	251.855
37.200	0.000	44.441	0.971	0.529	1204.871	251.301
37.400	0.000	44.408	0.969	0.531	1204.869	250.747
37.600	0.000	44.374	0.968	0.532	1204.868	250.193
37.800	0.000	44.341	0.967	0.533	1204.867	249.639
38.000	0.000	44.307	0.965	0.535	1204.865	249.086
38.200	0.000	44.274	0.964	0.536	1204.864	248.533
38.400	0.000	44.240	0.962	0.538	1204.862	247.981
38.600	0.000	44.207	0.961	0.539	1204.861	247.429
38.800	0.000	44.173	0.960	0.540	1204.860	246.877
39.000	0.000	44.140	0.958	0.542	1204.858	246.325
39.200	0.000	44.106	0.957	0.543	1204.857	245.774
39.400	0.000	44.073	0.956	0.544	1204.856	245.224
39.600	0.000	44.039	0.954	0.546	1204.854	244.673
39.800	0.000	44.006	0.953	0.547	1204.853	244.123
40.000	0.000	43.972	0.952	0.548	1204.852	243.573
40.200	0.000	43.939	0.950	0.550	1204.850	243.024
40.400	0.000	43.905	0.949	0.551	1204.849	242.475
40.600	0.000	43.872	0.948	0.552	1204.848	241.926
40.800	0.000	43.838	0.946	0.554	1204.846	241.378
41.000	0.000	43.805	0.945	0.555	1204.845	240.830
41.200	0.000	43.771	0.944	0.556	1204.844	240.283
41.400	0.000	43.738	0.942	0.558	1204.842	239.735
41.600	0.000	43.704	0.941	0.559	1204.841	239.188
41.800	0.000	43.671	0.940	0.560	1204.840	238.642
42.000	0.000	43.637	0.938	0.562	1204.838	238.096
42.200	0.000	43.604	0.937	0.563	1204.837	237.550
42.400	0.000	43.570	0.936	0.564	1204.836	237.004
42.600	0.000	43.537	0.934	0.566	1204.834	236.459
42.800	0.000	43.503	0.933	0.567	1204.833	235.914
43.000	0.000	43.470	0.932	0.568	1204.832	235.370
43.200	0.000	43.436	0.930	0.570	1204.830	234.826
43.400	0.000	43.403	0.929	0.571	1204.829	234.282
43.600	0.000	43.369	0.928	0.572	1204.828	233.739
43.800	0.000	43.336	0.926	0.574	1204.826	233.195
44.000	0.000	43.302	0.925	0.575	1204.825	232.653
44.200	0.000	43.269	0.924	0.576	1204.824	232.110
44.400	0.000	43.235	0.922	0.578	1204.822	231.568
44.600	0.000	43.202	0.921	0.579	1204.821	231.027
44.800	0.000	43.168	0.920	0.580	1204.820	230.485
45.000	0.000	43.135	0.918	0.582	1204.818	229.944
45.200	0.000	43.101	0.917	0.583	1204.817	229.404
45.400	0.000	43.068	0.916	0.584	1204.816	228.863
45.600	0.000	43.034	0.914	0.586	1204.814	228.323
45.800	0.000	42.999	0.913	0.587	1204.813	227.784
46.000	0.000	42.963	0.912	0.588	1204.812	227.245
46.200	0.000	42.927	0.910	0.590	1204.810	226.706
46.400	0.000	42.891	0.909	0.591	1204.809	226.167

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
46.600	0.000	42.855	0.908	0.592	1204.808	225.629
46.800	0.000	42.819	0.906	0.594	1204.806	225.091
47.000	0.000	42.783	0.905	0.595	1204.805	224.554
47.200	0.000	42.747	0.904	0.596	1204.804	224.016
47.400	0.000	42.711	0.902	0.598	1204.802	223.480
47.600	0.000	42.675	0.901	0.599	1204.801	222.943
47.800	0.000	42.639	0.900	0.600	1204.800	222.407
48.000	0.000	42.603	0.898	0.602	1204.798	221.871
48.200	0.000	42.567	0.897	0.603	1204.797	221.336
48.400	0.000	42.531	0.896	0.604	1204.796	220.801
48.600	0.000	42.495	0.894	0.606	1204.794	220.266
48.800	0.000	42.459	0.893	0.607	1204.793	219.732
49.000	0.000	42.423	0.892	0.609	1204.792	219.198
49.200	0.000	42.387	0.890	0.610	1204.790	218.664
49.400	0.000	42.350	0.889	0.611	1204.789	218.131
49.600	0.000	42.314	0.887	0.613	1204.787	217.598
49.800	0.000	42.278	0.886	0.614	1204.786	217.065
50.000	0.000	42.242	0.885	0.615	1204.785	216.533
50.200	0.000	42.206	0.883	0.617	1204.783	216.001
50.400	0.000	42.170	0.882	0.618	1204.782	215.469
50.600	0.000	42.134	0.881	0.619	1204.781	214.938
50.800	0.000	42.098	0.879	0.621	1204.779	214.407
51.000	0.000	42.062	0.878	0.622	1204.778	213.876
51.200	0.000	42.026	0.877	0.623	1204.777	213.346
51.400	0.000	41.990	0.875	0.625	1204.775	212.816
51.600	0.000	41.954	0.874	0.626	1204.774	212.287
51.800	0.000	41.918	0.873	0.627	1204.773	211.758
52.000	0.000	41.882	0.871	0.629	1204.771	211.229
52.200	0.000	41.846	0.870	0.630	1204.770	210.700
52.400	0.000	41.810	0.869	0.631	1204.769	210.172
52.600	0.000	41.774	0.867	0.633	1204.767	209.644
52.800	0.000	41.738	0.866	0.634	1204.766	209.117
53.000	0.000	41.702	0.865	0.635	1204.765	208.590
53.200	0.000	41.666	0.863	0.637	1204.763	208.063
53.400	0.000	41.630	0.862	0.638	1204.762	207.537
53.600	0.000	41.594	0.861	0.639	1204.761	207.011
53.800	0.000	41.558	0.859	0.641	1204.759	206.485
54.000	0.000	41.521	0.858	0.642	1204.758	205.960
54.200	0.000	41.485	0.857	0.643	1204.757	205.435
54.400	0.000	41.449	0.855	0.645	1204.755	204.910
54.600	0.000	41.413	0.854	0.646	1204.754	204.386
54.800	0.000	41.377	0.853	0.647	1204.753	203.862
55.000	0.000	41.341	0.851	0.649	1204.751	203.338
55.200	0.000	41.305	0.850	0.650	1204.750	202.815
55.400	0.000	41.269	0.849	0.651	1204.749	202.292
55.600	0.000	41.233	0.847	0.653	1204.747	201.770
55.800	0.000	41.197	0.846	0.654	1204.746	201.247
56.000	0.000	41.161	0.845	0.655	1204.745	200.726
56.200	0.000	41.125	0.843	0.657	1204.743	200.204
56.400	0.000	41.089	0.842	0.658	1204.742	199.683
56.600	0.000	41.053	0.841	0.659	1204.741	199.162
56.800	0.000	41.017	0.839	0.661	1204.739	198.642
57.000	0.000	40.981	0.838	0.662	1204.738	198.121
57.200	0.000	40.945	0.837	0.663	1204.737	197.602
57.400	0.000	40.909	0.835	0.665	1204.735	197.082
57.600	0.000	40.873	0.834	0.666	1204.734	196.563
57.800	0.000	40.837	0.833	0.667	1204.733	196.044
58.000	0.000	40.801	0.831	0.669	1204.731	195.526
58.200	0.000	40.767	0.830	0.670	1204.730	195.065
58.400	0.000	40.735	0.829	0.671	1204.729	194.605
58.600	0.000	40.703	0.828	0.672	1204.728	194.145
58.800	0.000	40.670	0.826	0.674	1204.726	193.686
59.000	0.000	40.638	0.825	0.675	1204.725	193.226
59.200	0.000	40.606	0.824	0.676	1204.724	192.767
59.400	0.000	40.574	0.823	0.677	1204.723	192.308
59.600	0.000	40.542	0.822	0.678	1204.722	191.850
59.800	0.000	40.510	0.821	0.679	1204.721	191.391
60.000	0.000	40.478	0.819	0.681	1204.719	190.933
60.200	0.000	40.446	0.818	0.682	1204.718	190.476
60.400	0.000	40.414	0.817	0.683	1204.717	190.018
60.600	0.000	40.382	0.816	0.684	1204.716	189.561
60.800	0.000	40.350	0.815	0.685	1204.715	189.104
61.000	0.000	40.318	0.813	0.687	1204.713	188.647
61.200	0.000	40.286	0.812	0.688	1204.712	188.191
61.400	0.000	40.254	0.811	0.689	1204.711	187.735
61.600	0.000	40.222	0.810	0.690	1204.710	187.279
61.800	0.000	40.190	0.809	0.691	1204.709	186.823
62.000	0.000	40.158	0.807	0.693	1204.707	186.368
62.200	0.000	40.126	0.806	0.694	1204.706	185.913
62.400	0.000	40.094	0.805	0.695	1204.705	185.458
62.600	0.000	40.062	0.804	0.696	1204.704	185.004
62.800	0.000	40.030	0.803	0.697	1204.703	184.550
63.000	0.000	39.998	0.801	0.699	1204.701	184.096

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
63.200	0.000	39.966	0.800	0.700	1204.700	183.642
63.400	0.000	39.934	0.799	0.701	1204.699	183.189
63.600	0.000	39.902	0.798	0.702	1204.698	182.736
63.800	0.000	39.870	0.797	0.703	1204.697	182.283
64.000	0.000	39.837	0.796	0.704	1204.696	181.830
64.200	0.000	39.805	0.794	0.706	1204.694	181.378
64.400	0.000	39.773	0.793	0.707	1204.693	180.926
64.600	0.000	39.741	0.792	0.708	1204.692	180.474
64.800	0.000	39.709	0.791	0.709	1204.691	180.023
65.000	0.000	39.677	0.790	0.710	1204.690	179.571
65.200	0.000	39.645	0.788	0.712	1204.688	179.121
65.400	0.000	39.613	0.787	0.713	1204.687	178.670
65.600	0.000	39.581	0.786	0.714	1204.686	178.220
65.800	0.000	39.549	0.785	0.715	1204.685	177.769
66.000	0.000	39.517	0.784	0.716	1204.684	177.320
66.200	0.000	39.485	0.782	0.718	1204.682	176.870
66.400	0.000	39.453	0.781	0.719	1204.681	176.421
66.600	0.000	39.421	0.780	0.720	1204.680	175.972
66.800	0.000	39.389	0.779	0.721	1204.679	175.523
67.000	0.000	39.357	0.778	0.722	1204.678	175.075
67.200	0.000	39.325	0.776	0.724	1204.676	174.626
67.400	0.000	39.293	0.775	0.725	1204.675	174.179
67.600	0.000	39.261	0.774	0.726	1204.674	173.731
67.800	0.000	39.229	0.773	0.727	1204.673	173.284
68.000	0.000	39.197	0.772	0.728	1204.672	172.837
68.200	0.000	39.165	0.771	0.729	1204.671	172.390
68.400	0.000	39.133	0.769	0.731	1204.669	171.943
68.600	0.000	39.101	0.768	0.732	1204.668	171.497
68.800	0.000	39.069	0.767	0.733	1204.667	171.051
69.000	0.000	39.037	0.766	0.734	1204.666	170.605
69.200	0.000	39.004	0.765	0.735	1204.665	170.160
69.400	0.000	38.972	0.763	0.737	1204.663	169.715
69.600	0.000	38.940	0.762	0.738	1204.662	169.270
69.800	0.000	38.907	0.761	0.739	1204.661	168.825
70.000	0.000	38.871	0.760	0.740	1204.660	168.381
70.200	0.000	38.835	0.759	0.741	1204.659	167.937
70.400	0.000	38.799	0.757	0.743	1204.657	167.493
70.600	0.000	38.764	0.756	0.744	1204.656	167.049
70.800	0.000	38.728	0.755	0.745	1204.655	166.606
71.000	0.000	38.692	0.754	0.746	1204.654	166.163
71.200	0.000	38.656	0.753	0.747	1204.653	165.720
71.400	0.000	38.620	0.751	0.749	1204.651	165.278
71.600	0.000	38.584	0.750	0.750	1204.650	164.836
71.800	0.000	38.549	0.749	0.751	1204.649	164.394
72.000	0.000	38.513	0.748	0.752	1204.648	163.952
72.200	0.000	38.477	0.747	0.753	1204.647	163.511
72.400	0.000	38.441	0.746	0.755	1204.646	163.070
72.600	0.000	38.405	0.744	0.756	1204.644	162.629
72.800	0.000	38.369	0.743	0.757	1204.643	162.189
73.000	0.000	38.334	0.742	0.758	1204.642	161.748
73.200	0.000	38.298	0.741	0.759	1204.641	161.308
73.400	0.000	38.262	0.740	0.760	1204.640	160.869
73.600	0.000	38.226	0.738	0.762	1204.638	160.429
73.800	0.000	38.190	0.737	0.763	1204.637	159.990
74.000	0.000	38.154	0.736	0.764	1204.636	159.551
74.200	0.000	38.119	0.735	0.765	1204.635	159.113
74.400	0.000	38.083	0.734	0.766	1204.634	158.674
74.600	0.000	38.047	0.732	0.768	1204.632	158.236
74.800	0.000	38.011	0.731	0.769	1204.631	157.798
75.000	0.000	37.975	0.730	0.770	1204.630	157.361
75.200	0.000	37.939	0.729	0.771	1204.629	156.924
75.400	0.000	37.903	0.728	0.772	1204.628	156.487
75.600	0.000	37.868	0.726	0.774	1204.626	156.050
75.800	0.000	37.832	0.725	0.775	1204.625	155.614
76.000	0.000	37.796	0.724	0.776	1204.624	155.177
76.200	0.000	37.760	0.723	0.777	1204.623	154.741
76.400	0.000	37.724	0.722	0.778	1204.622	154.306
76.600	0.000	37.688	0.721	0.780	1204.621	153.871
76.800	0.000	37.653	0.719	0.781	1204.619	153.435
77.000	0.000	37.617	0.718	0.782	1204.618	153.001
77.200	0.000	37.581	0.717	0.783	1204.617	152.566
77.400	0.000	37.545	0.716	0.784	1204.616	152.132
77.600	0.000	37.509	0.715	0.785	1204.615	151.698
77.800	0.000	37.473	0.713	0.787	1204.613	151.264
78.000	0.000	37.438	0.712	0.788	1204.612	150.831
78.200	0.000	37.402	0.711	0.789	1204.611	150.398
78.400	0.000	37.366	0.710	0.790	1204.610	149.965
78.600	0.000	37.330	0.709	0.791	1204.609	149.532
78.800	0.000	37.294	0.707	0.793	1204.607	149.100
79.000	0.000	37.258	0.706	0.794	1204.606	148.668

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
79.200	0.000	37.223	0.705	0.795	1204.605	148.236
79.400	0.000	37.187	0.704	0.796	1204.604	147.804
79.600	0.000	37.151	0.703	0.797	1204.603	147.373
79.800	0.000	37.115	0.701	0.799	1204.601	146.942
80.000	0.000	37.079	0.700	0.800	1204.600	146.512
80.200	0.000	37.043	0.699	0.801	1204.599	146.081
80.400	0.000	37.008	0.698	0.802	1204.598	145.651
80.600	0.000	36.972	0.697	0.803	1204.597	145.221
80.800	0.000	36.936	0.696	0.805	1204.596	144.791
81.000	0.000	36.900	0.694	0.806	1204.594	144.362
81.200	0.000	36.864	0.693	0.807	1204.593	143.933
81.400	0.000	36.828	0.692	0.808	1204.592	143.504
81.600	0.000	36.792	0.691	0.809	1204.591	143.076
81.800	0.000	36.757	0.690	0.810	1204.590	142.647
82.000	0.000	36.721	0.688	0.812	1204.588	142.219
82.200	0.000	36.685	0.687	0.813	1204.587	141.792
82.400	0.000	36.649	0.686	0.814	1204.586	141.364
82.600	0.000	36.613	0.685	0.815	1204.585	140.937
82.800	0.000	36.577	0.684	0.816	1204.584	140.510
83.000	0.000	36.542	0.682	0.818	1204.582	140.084
83.200	0.000	36.506	0.681	0.819	1204.581	139.657
83.400	0.000	36.470	0.680	0.820	1204.580	139.231
83.600	0.000	36.434	0.679	0.821	1204.579	138.805
83.800	0.000	36.398	0.678	0.822	1204.578	138.380
84.000	0.000	36.362	0.676	0.824	1204.576	137.955
84.200	0.000	36.327	0.675	0.825	1204.575	137.530
84.400	0.000	36.291	0.674	0.826	1204.574	137.105
84.600	0.000	36.255	0.673	0.827	1204.573	136.681
84.800	0.000	36.219	0.672	0.828	1204.572	136.256
85.000	0.000	36.183	0.670	0.830	1204.570	135.833
85.200	0.000	36.147	0.669	0.831	1204.569	135.409
85.400	0.000	36.112	0.668	0.832	1204.568	134.986
85.600	0.000	36.076	0.667	0.833	1204.567	134.562
85.800	0.000	36.040	0.666	0.834	1204.566	134.140
86.000	0.000	36.004	0.665	0.835	1204.565	133.717
86.200	0.000	35.968	0.663	0.837	1204.563	133.295
86.400	0.000	35.932	0.662	0.838	1204.562	132.873
86.600	0.000	35.897	0.661	0.839	1204.561	132.451
86.800	0.000	35.861	0.660	0.840	1204.560	132.030
87.000	0.000	35.825	0.659	0.841	1204.559	131.609
87.200	0.000	35.789	0.657	0.843	1204.557	131.188
87.400	0.000	35.753	0.656	0.844	1204.556	130.767
87.600	0.000	35.717	0.655	0.845	1204.555	130.347
87.800	0.000	35.682	0.654	0.846	1204.554	129.927
88.000	0.000	35.646	0.653	0.847	1204.553	129.507
88.200	0.000	35.610	0.651	0.849	1204.551	129.087
88.400	0.000	35.574	0.650	0.850	1204.550	128.668
88.600	0.000	35.538	0.649	0.851	1204.549	128.249
88.800	0.000	35.502	0.648	0.852	1204.548	127.830
89.000	0.000	35.466	0.647	0.853	1204.547	127.412
89.200	0.000	35.431	0.645	0.855	1204.545	126.994
89.400	0.000	35.395	0.644	0.856	1204.544	126.576
89.600	0.000	35.359	0.643	0.857	1204.543	126.158
89.800	0.000	35.323	0.642	0.858	1204.542	125.741
90.000	0.000	35.287	0.641	0.859	1204.541	125.324
90.200	0.000	35.251	0.640	0.860	1204.540	124.907
90.400	0.000	35.216	0.638	0.862	1204.538	124.490
90.600	0.000	35.180	0.637	0.863	1204.537	124.074
90.800	0.000	35.144	0.636	0.864	1204.536	123.658
91.000	0.000	35.108	0.635	0.865	1204.535	123.242
91.200	0.000	35.072	0.634	0.866	1204.534	122.827
91.400	0.000	35.036	0.632	0.868	1204.532	122.412
91.600	0.000	35.001	0.631	0.869	1204.531	121.997
91.800	0.000	34.965	0.630	0.870	1204.530	121.582
92.000	0.000	34.929	0.629	0.871	1204.529	121.168
92.200	0.000	34.893	0.628	0.872	1204.528	120.754
92.400	0.000	34.857	0.626	0.874	1204.526	120.340
92.600	0.000	34.821	0.625	0.875	1204.525	119.926
92.800	0.000	34.786	0.624	0.876	1204.524	119.513
93.000	0.000	34.750	0.623	0.877	1204.523	119.100
93.200	0.000	34.714	0.622	0.878	1204.522	118.687
93.400	0.000	34.678	0.620	0.880	1204.520	118.275
93.600	0.000	34.642	0.619	0.881	1204.519	117.863
93.800	0.000	34.606	0.618	0.882	1204.518	117.451
94.000	0.000	34.571	0.617	0.883	1204.517	117.039
94.200	0.000	34.535	0.616	0.884	1204.516	116.628
94.400	0.000	34.499	0.615	0.885	1204.515	116.217
94.600	0.000	34.463	0.613	0.887	1204.513	115.806
94.800	0.000	34.427	0.612	0.888	1204.512	115.395
95.000	0.000	34.391	0.611	0.889	1204.511	114.985
95.200	0.000	34.356	0.610	0.890	1204.510	114.575

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
95.400	0.000	34.318	0.609	0.891	1204.509	114.165
95.600	0.000	34.276	0.607	0.893	1204.507	113.756
95.800	0.000	34.235	0.606	0.894	1204.506	113.347
96.000	0.000	34.193	0.605	0.895	1204.505	112.938
96.200	0.000	34.152	0.604	0.896	1204.504	112.529
96.400	0.000	34.110	0.603	0.897	1204.503	112.121
96.600	0.000	34.069	0.601	0.899	1204.501	111.713
96.800	0.000	34.028	0.600	0.900	1204.500	111.305
97.000	0.000	33.986	0.599	0.901	1204.499	110.897
97.200	0.000	33.945	0.598	0.902	1204.498	110.490
97.400	0.000	33.903	0.597	0.903	1204.497	110.083
97.600	0.000	33.862	0.595	0.905	1204.495	109.676
97.800	0.000	33.820	0.594	0.906	1204.494	109.270
98.000	0.000	33.779	0.593	0.907	1204.493	108.863
98.200	0.000	33.738	0.592	0.908	1204.492	108.458
98.400	0.000	33.696	0.591	0.909	1204.491	108.052
98.600	0.000	33.655	0.590	0.910	1204.490	107.646
98.800	0.000	33.613	0.588	0.912	1204.488	107.241
99.000	0.000	33.572	0.587	0.913	1204.487	106.836
99.200	0.000	33.530	0.586	0.914	1204.486	106.432
99.400	0.000	33.489	0.585	0.915	1204.485	106.028
99.600	0.000	33.448	0.584	0.916	1204.484	105.624
99.800	0.000	33.406	0.582	0.918	1204.482	105.220
100.000	0.000	33.365	0.581	0.919	1204.481	104.816
100.200	0.000	33.323	0.580	0.920	1204.480	104.413
100.400	0.000	33.282	0.579	0.921	1204.479	104.010
100.600	0.000	33.240	0.578	0.922	1204.478	103.607
100.800	0.000	33.199	0.576	0.924	1204.476	103.205
101.000	0.000	33.157	0.575	0.925	1204.475	102.803
101.200	0.000	33.116	0.574	0.926	1204.474	102.401
101.400	0.000	33.075	0.573	0.927	1204.473	101.999
101.600	0.000	33.033	0.572	0.928	1204.472	101.598
101.800	0.000	32.992	0.570	0.930	1204.470	101.197
102.000	0.000	32.950	0.569	0.931	1204.469	100.796
102.200	0.000	32.909	0.568	0.932	1204.468	100.396
102.400	0.000	32.867	0.567	0.933	1204.467	99.995
102.600	0.000	32.826	0.566	0.934	1204.466	99.595
102.800	0.000	32.785	0.565	0.935	1204.465	99.196
103.000	0.000	32.743	0.563	0.937	1204.463	98.796
103.200	0.000	32.702	0.562	0.938	1204.462	98.397
103.400	0.000	32.660	0.561	0.939	1204.461	97.998
103.600	0.000	32.619	0.560	0.940	1204.460	97.600
103.800	0.000	32.577	0.559	0.941	1204.459	97.201
104.000	0.000	32.536	0.557	0.943	1204.457	96.803
104.200	0.000	32.495	0.556	0.944	1204.456	96.406
104.400	0.000	32.453	0.555	0.945	1204.455	96.008
104.600	0.000	32.412	0.554	0.946	1204.454	95.611
104.800	0.000	32.370	0.553	0.947	1204.453	95.214
105.000	0.000	32.329	0.551	0.949	1204.451	94.817
105.200	0.000	32.287	0.550	0.950	1204.450	94.421
105.400	0.000	32.246	0.549	0.951	1204.449	94.024
105.600	0.000	32.205	0.548	0.952	1204.448	93.629
105.800	0.000	32.163	0.547	0.953	1204.447	93.233
106.000	0.000	32.122	0.545	0.955	1204.445	92.838
106.200	0.000	32.080	0.544	0.956	1204.444	92.442
106.400	0.000	32.039	0.543	0.957	1204.443	92.048
106.600	0.000	31.997	0.542	0.958	1204.442	91.653
106.800	0.000	31.956	0.541	0.959	1204.441	91.259
107.000	0.000	31.915	0.540	0.960	1204.440	90.865
107.200	0.000	31.873	0.538	0.962	1204.438	90.471
107.400	0.000	31.832	0.537	0.963	1204.437	90.078
107.600	0.000	31.790	0.536	0.964	1204.436	89.684
107.800	0.000	31.749	0.535	0.965	1204.435	89.291
108.000	0.000	31.707	0.534	0.966	1204.434	88.899
108.200	0.000	31.666	0.532	0.968	1204.432	88.506
108.400	0.000	31.624	0.531	0.969	1204.431	88.114
108.600	0.000	31.583	0.530	0.970	1204.430	87.722
108.800	0.000	31.542	0.529	0.971	1204.429	87.331
109.000	0.000	31.500	0.528	0.972	1204.428	86.940
109.200	0.000	31.459	0.526	0.974	1204.426	86.549
109.400	0.000	31.417	0.525	0.975	1204.425	86.158
109.600	0.000	31.376	0.524	0.976	1204.424	85.767
109.800	0.000	31.334	0.523	0.977	1204.423	85.377
110.000	0.000	31.293	0.522	0.978	1204.422	84.987
110.200	0.000	31.252	0.520	0.980	1204.420	84.597
110.400	0.000	31.210	0.519	0.981	1204.419	84.208
110.600	0.000	31.169	0.518	0.982	1204.418	83.819
110.800	0.000	31.127	0.517	0.983	1204.417	83.430
111.000	0.000	31.086	0.516	0.984	1204.416	83.041
111.200	0.000	31.044	0.515	0.985	1204.415	82.653
111.400	0.000	31.003	0.513	0.987	1204.413	82.265
111.600	0.000	30.962	0.512	0.988	1204.412	81.877
111.800	0.000	30.920	0.511	0.989	1204.411	81.490

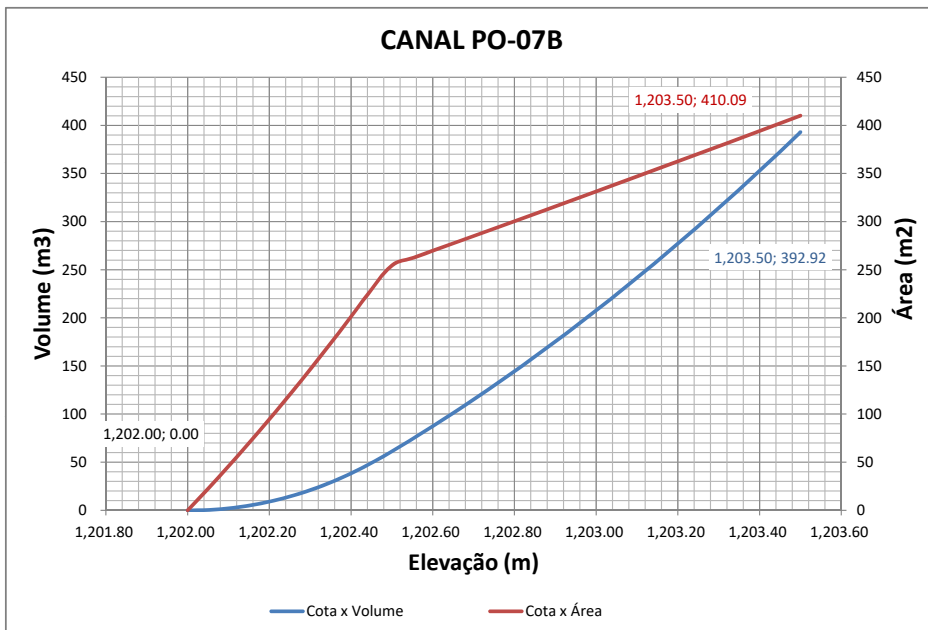
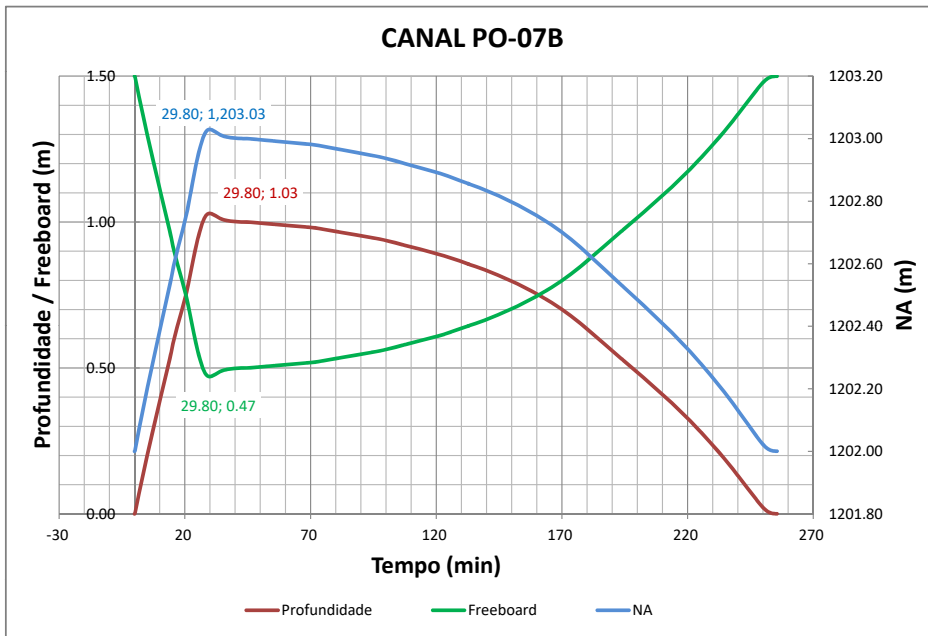
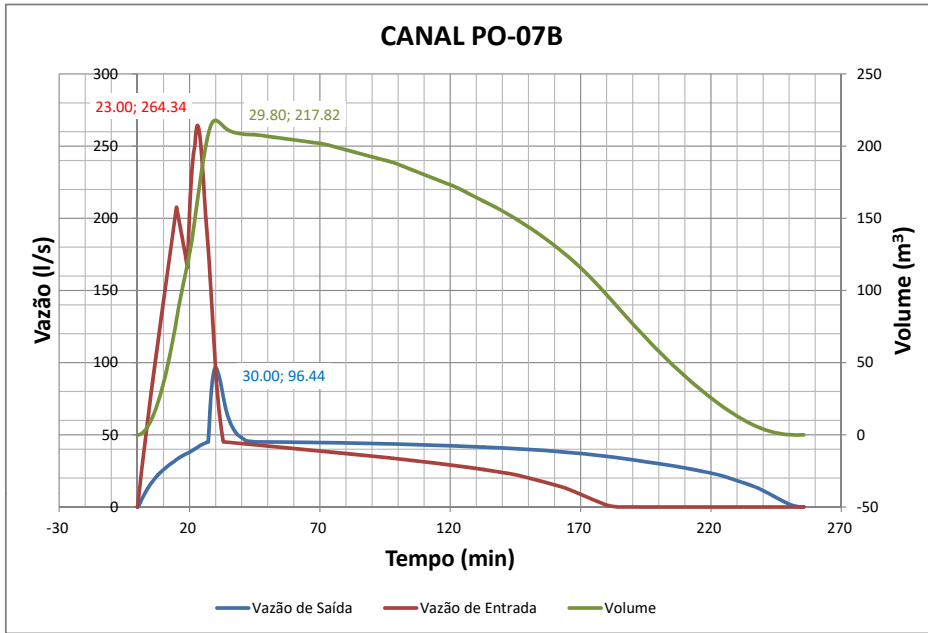
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
112.000	0.000	30.879	0.510	0.990	1204.410	81.103
112.200	0.000	30.837	0.509	0.991	1204.409	80.716
112.400	0.000	30.796	0.507	0.993	1204.407	80.329
112.600	0.000	30.754	0.506	0.994	1204.406	79.942
112.800	0.000	30.713	0.505	0.995	1204.405	79.556
113.000	0.000	30.672	0.504	0.996	1204.404	79.170
113.200	0.000	30.630	0.503	0.997	1204.403	78.785
113.400	0.000	30.589	0.501	0.999	1204.401	78.399
113.600	0.000	30.547	0.500	1.000	1204.400	78.014
113.800	0.000	30.506	0.499	1.001	1204.399	77.630
114.000	0.000	30.464	0.498	1.002	1204.398	77.246
114.200	0.000	30.423	0.497	1.003	1204.397	76.863
114.400	0.000	30.382	0.495	1.005	1204.395	76.481
114.600	0.000	30.340	0.494	1.006	1204.394	76.100
114.800	0.000	30.299	0.493	1.007	1204.393	75.720
115.000	0.000	30.257	0.492	1.008	1204.392	75.341
115.200	0.000	30.216	0.491	1.009	1204.391	74.963
115.400	0.000	30.174	0.490	1.010	1204.390	74.586
115.600	0.000	30.133	0.488	1.012	1204.388	74.210
115.800	0.000	30.091	0.487	1.013	1204.387	73.834
116.000	0.000	30.050	0.486	1.014	1204.386	73.460
116.200	0.000	30.009	0.485	1.015	1204.385	73.086
116.400	0.000	29.967	0.484	1.016	1204.384	72.714
116.600	0.000	29.926	0.482	1.018	1204.382	72.342
116.800	0.000	29.884	0.481	1.019	1204.381	71.971
117.000	0.000	29.843	0.480	1.020	1204.380	71.601
117.200	0.000	29.801	0.479	1.021	1204.379	71.233
117.400	0.000	29.760	0.478	1.022	1204.378	70.865
117.600	0.000	29.719	0.476	1.024	1204.376	70.498
117.800	0.000	29.677	0.475	1.025	1204.375	70.131
118.000	0.000	29.636	0.474	1.026	1204.374	69.766
118.200	0.000	29.594	0.473	1.027	1204.373	69.402
118.400	0.000	29.553	0.472	1.028	1204.372	69.039
118.600	0.000	29.511	0.470	1.030	1204.370	68.676
118.800	0.000	29.470	0.469	1.031	1204.369	68.315
119.000	0.000	29.429	0.468	1.032	1204.368	67.954
119.200	0.000	29.387	0.467	1.033	1204.367	67.594
119.400	0.000	29.346	0.466	1.034	1204.366	67.236
119.600	0.000	29.304	0.465	1.035	1204.365	66.878
119.800	0.000	29.263	0.463	1.037	1204.363	66.521
120.000	0.000	29.221	0.462	1.038	1204.362	66.165
120.200	0.000	29.180	0.461	1.039	1204.361	65.810
120.400	0.000	29.139	0.460	1.040	1204.360	65.456
120.600	0.000	29.097	0.459	1.041	1204.359	65.102
120.800	0.000	29.056	0.457	1.043	1204.357	64.750
121.000	0.000	29.011	0.456	1.044	1204.356	64.399
121.200	0.000	28.960	0.455	1.045	1204.355	64.048
121.400	0.000	28.909	0.454	1.046	1204.354	63.699
121.600	0.000	28.858	0.453	1.047	1204.353	63.350
121.800	0.000	28.807	0.451	1.049	1204.351	63.003
122.000	0.000	28.756	0.450	1.050	1204.350	62.656
122.200	0.000	28.705	0.449	1.051	1204.349	62.310
122.400	0.000	28.654	0.448	1.052	1204.348	61.965
122.600	0.000	28.603	0.447	1.053	1204.347	61.622
122.800	0.000	28.552	0.445	1.055	1204.345	61.279
123.000	0.000	28.501	0.444	1.056	1204.344	60.937
123.200	0.000	28.450	0.443	1.057	1204.343	60.596
123.400	0.000	28.399	0.442	1.058	1204.342	60.257
123.600	0.000	28.349	0.441	1.059	1204.341	59.918
123.800	0.000	28.298	0.440	1.060	1204.340	59.581
124.000	0.000	28.247	0.438	1.062	1204.338	59.244
124.200	0.000	28.196	0.437	1.063	1204.337	58.908
124.400	0.000	28.145	0.436	1.064	1204.336	58.574
124.600	0.000	28.094	0.435	1.065	1204.335	58.240
124.800	0.000	28.043	0.434	1.066	1204.334	57.908
125.000	0.000	27.992	0.432	1.068	1204.332	57.576
125.200	0.000	27.941	0.431	1.069	1204.331	57.246
125.400	0.000	27.890	0.430	1.070	1204.330	56.917
125.600	0.000	27.839	0.429	1.071	1204.329	56.588
125.800	0.000	27.788	0.428	1.072	1204.328	56.261
126.000	0.000	27.737	0.426	1.074	1204.326	55.934
126.200	0.000	27.686	0.425	1.075	1204.325	55.609
126.400	0.000	27.635	0.424	1.076	1204.324	55.285
126.600	0.000	27.584	0.423	1.077	1204.323	54.961
126.800	0.000	27.534	0.422	1.078	1204.322	54.639
127.000	0.000	27.483	0.420	1.080	1204.320	54.318
127.200	0.000	27.432	0.419	1.081	1204.319	53.998
127.400	0.000	27.381	0.418	1.082	1204.318	53.678
127.600	0.000	27.330	0.417	1.083	1204.317	53.360
127.800	0.000	27.279	0.416	1.084	1204.316	53.043
128.000	0.000	27.228	0.415	1.085	1204.315	52.727
128.200	0.000	27.177	0.413	1.087	1204.313	52.412
128.400	0.000	27.126	0.412	1.088	1204.312	52.098

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
128.600	0.000	27.075	0.411	1.089	1204.311	51.785
128.800	0.000	27.024	0.410	1.090	1204.310	51.473
129.000	0.000	26.973	0.409	1.091	1204.309	51.162
129.200	0.000	26.922	0.407	1.093	1204.307	50.852
129.400	0.000	26.871	0.406	1.094	1204.306	50.543
129.600	0.000	26.820	0.405	1.095	1204.305	50.235
129.800	0.000	26.769	0.404	1.096	1204.304	49.928
130.000	0.000	26.719	0.403	1.097	1204.303	49.622
130.200	0.000	26.668	0.401	1.099	1204.301	49.317
130.400	0.000	26.617	0.400	1.100	1204.300	49.013
130.600	0.000	26.566	0.399	1.101	1204.299	48.710
130.800	0.000	26.515	0.398	1.102	1204.298	48.408
131.000	0.000	26.464	0.397	1.103	1204.297	48.107
131.200	0.000	26.413	0.395	1.105	1204.295	47.808
131.400	0.000	26.362	0.394	1.106	1204.294	47.509
131.600	0.000	26.311	0.393	1.107	1204.293	47.211
131.800	0.000	26.260	0.392	1.108	1204.292	46.914
132.000	0.000	26.209	0.391	1.109	1204.291	46.600
132.200	0.000	26.152	0.389	1.111	1204.289	46.268
132.400	0.000	26.095	0.388	1.112	1204.288	45.938
132.600	0.000	26.037	0.387	1.113	1204.287	45.609
132.800	0.000	25.980	0.385	1.115	1204.285	45.281
133.000	0.000	25.923	0.384	1.116	1204.284	44.954
133.200	0.000	25.865	0.383	1.117	1204.283	44.629
133.400	0.000	25.808	0.381	1.119	1204.281	44.305
133.600	0.000	25.751	0.380	1.120	1204.280	43.982
133.800	0.000	25.693	0.379	1.121	1204.279	43.660
134.000	0.000	25.636	0.377	1.123	1204.277	43.340
134.200	0.000	25.579	0.376	1.124	1204.276	43.021
134.400	0.000	25.522	0.375	1.125	1204.275	42.703
134.600	0.000	25.464	0.373	1.127	1204.273	42.387
134.800	0.000	25.407	0.372	1.128	1204.272	42.072
135.000	0.000	25.350	0.371	1.129	1204.271	41.758
135.200	0.000	25.292	0.369	1.131	1204.269	41.445
135.400	0.000	25.235	0.368	1.132	1204.268	41.134
135.600	0.000	25.178	0.367	1.133	1204.267	40.823
135.800	0.000	25.120	0.365	1.135	1204.265	40.514
136.000	0.000	25.063	0.364	1.136	1204.264	40.207
136.200	0.000	25.006	0.362	1.138	1204.262	39.900
136.400	0.000	24.949	0.361	1.139	1204.261	39.595
136.600	0.000	24.891	0.360	1.140	1204.260	39.291
136.800	0.000	24.834	0.358	1.142	1204.258	38.989
137.000	0.000	24.777	0.357	1.143	1204.257	38.687
137.200	0.000	24.719	0.356	1.144	1204.256	38.387
137.400	0.000	24.662	0.354	1.146	1204.254	38.088
137.600	0.000	24.605	0.353	1.147	1204.253	37.791
137.800	0.000	24.547	0.352	1.148	1204.252	37.494
138.000	0.000	24.490	0.350	1.150	1204.250	37.199
138.200	0.000	24.433	0.349	1.151	1204.249	36.905
138.400	0.000	24.375	0.348	1.152	1204.248	36.613
138.600	0.000	24.318	0.346	1.154	1204.246	36.321
138.800	0.000	24.261	0.345	1.155	1204.245	36.031
139.000	0.000	24.204	0.344	1.156	1204.244	35.742
139.200	0.000	24.146	0.342	1.158	1204.242	35.455
139.400	0.000	24.089	0.341	1.159	1204.241	35.168
139.600	0.000	24.032	0.340	1.160	1204.240	34.883
139.800	0.000	23.974	0.338	1.162	1204.238	34.599
140.000	0.000	23.917	0.337	1.163	1204.237	34.316
140.200	0.000	23.860	0.336	1.164	1204.236	34.035
140.400	0.000	23.802	0.334	1.166	1204.234	33.754
140.600	0.000	23.745	0.333	1.167	1204.233	33.475
140.800	0.000	23.688	0.332	1.168	1204.232	33.197
141.000	0.000	23.631	0.330	1.170	1204.230	32.921
141.200	0.000	23.573	0.329	1.171	1204.229	32.645
141.400	0.000	23.516	0.328	1.172	1204.228	32.371
141.600	0.000	23.459	0.326	1.174	1204.226	32.098
141.800	0.000	23.401	0.325	1.175	1204.225	31.826
142.000	0.000	23.344	0.324	1.176	1204.224	31.556
142.200	0.000	23.287	0.322	1.178	1204.222	31.286
142.400	0.000	23.229	0.321	1.179	1204.221	31.018
142.600	0.000	23.172	0.320	1.180	1204.220	30.751
142.800	0.000	23.115	0.318	1.182	1204.218	30.486
143.000	0.000	23.057	0.317	1.183	1204.217	30.221
143.200	0.000	23.000	0.316	1.184	1204.216	29.958
143.400	0.000	22.943	0.314	1.186	1204.214	29.696
143.600	0.000	22.886	0.313	1.187	1204.213	29.436
143.800	0.000	22.828	0.312	1.188	1204.212	29.162
144.000	0.000	22.765	0.310	1.190	1204.210	28.875
144.200	0.000	22.701	0.309	1.191	1204.209	28.590
144.400	0.000	22.637	0.307	1.193	1204.207	28.306
144.600	0.000	22.574	0.306	1.194	1204.206	28.024
144.800	0.000	22.510	0.304	1.196	1204.204	27.743
145.000	0.000	22.418	0.303	1.197	1204.203	27.464

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
145.200	0.000	22.325	0.301	1.199	1204.201	27.186
145.400	0.000	22.233	0.300	1.200	1204.200	26.910
145.600	0.000	22.141	0.298	1.202	1204.198	26.635
145.800	0.000	22.049	0.297	1.203	1204.197	26.362
146.000	0.000	21.956	0.295	1.205	1204.195	26.090
146.200	0.000	21.864	0.294	1.206	1204.194	25.820
146.400	0.000	21.772	0.292	1.208	1204.192	25.551
146.600	0.000	21.680	0.291	1.209	1204.191	25.283
146.800	0.000	21.587	0.289	1.211	1204.189	25.017
147.000	0.000	21.495	0.288	1.212	1204.188	24.753
147.200	0.000	21.403	0.286	1.214	1204.186	24.490
147.400	0.000	21.311	0.285	1.215	1204.185	24.229
147.600	0.000	21.218	0.283	1.217	1204.183	23.969
147.800	0.000	21.126	0.282	1.218	1204.182	23.710
148.000	0.000	21.034	0.280	1.220	1204.180	23.453
148.200	0.000	20.942	0.279	1.221	1204.179	23.197
148.400	0.000	20.849	0.277	1.223	1204.177	22.943
148.600	0.000	20.757	0.276	1.224	1204.176	22.691
148.800	0.000	20.665	0.274	1.226	1204.174	22.439
149.000	0.000	20.573	0.273	1.227	1204.173	22.190
149.200	0.000	20.480	0.271	1.229	1204.171	21.941
149.400	0.000	20.388	0.270	1.230	1204.170	21.695
149.600	0.000	20.296	0.268	1.232	1204.168	21.449
149.800	0.000	20.204	0.267	1.233	1204.167	21.206
150.000	0.000	20.111	0.265	1.235	1204.165	20.963
150.200	0.000	20.019	0.264	1.236	1204.164	20.722
150.400	0.000	19.927	0.262	1.238	1204.162	20.483
150.600	0.000	19.835	0.261	1.239	1204.161	20.245
150.800	0.000	19.742	0.259	1.241	1204.159	20.009
151.000	0.000	19.650	0.258	1.242	1204.158	19.774
151.200	0.000	19.558	0.256	1.244	1204.156	19.540
151.400	0.000	19.466	0.255	1.245	1204.155	19.308
151.600	0.000	19.374	0.253	1.247	1204.153	19.078
151.800	0.000	19.281	0.252	1.248	1204.152	18.849
152.000	0.000	19.189	0.251	1.250	1204.151	18.621
152.200	0.000	19.097	0.249	1.251	1204.149	18.395
152.400	0.000	19.005	0.248	1.252	1204.148	18.170
152.600	0.000	18.912	0.246	1.254	1204.146	17.947
152.800	0.000	18.820	0.245	1.255	1204.145	17.725
153.000	0.000	18.728	0.243	1.257	1204.143	17.504
153.200	0.000	18.636	0.242	1.258	1204.142	17.285
153.400	0.000	18.543	0.240	1.260	1204.140	17.068
153.600	0.000	18.451	0.239	1.261	1204.139	16.852
153.800	0.000	18.359	0.237	1.263	1204.137	16.637
154.000	0.000	18.267	0.236	1.264	1204.136	16.424
154.200	0.000	18.174	0.234	1.266	1204.134	16.212
154.400	0.000	18.082	0.233	1.267	1204.133	16.002
154.600	0.000	17.990	0.231	1.269	1204.131	15.793
154.800	0.000	17.898	0.230	1.270	1204.130	15.585
155.000	0.000	17.805	0.228	1.272	1204.128	15.379
155.200	0.000	17.713	0.227	1.273	1204.127	15.174
155.400	0.000	17.621	0.225	1.275	1204.125	14.971
155.600	0.000	17.529	0.224	1.276	1204.124	14.769
155.800	0.000	17.436	0.222	1.278	1204.122	14.569
156.000	0.000	17.344	0.221	1.279	1204.121	14.370
156.200	0.000	17.252	0.219	1.281	1204.119	14.172
156.400	0.000	17.160	0.218	1.282	1204.118	13.976
156.600	0.000	17.063	0.216	1.284	1204.116	13.782
156.800	0.000	16.961	0.214	1.286	1204.114	13.590
157.000	0.000	16.860	0.213	1.287	1204.113	13.399
157.200	0.000	16.758	0.211	1.289	1204.111	13.210
157.400	0.000	16.657	0.210	1.290	1204.110	12.923
157.600	0.000	16.555	0.208	1.292	1204.108	12.738
157.800	0.000	16.454	0.206	1.294	1204.106	12.554
158.000	0.000	16.352	0.205	1.295	1204.105	12.372
158.200	0.000	16.251	0.203	1.297	1204.103	12.192
158.400	0.000	16.149	0.201	1.299	1204.101	11.914
158.600	0.000	16.048	0.200	1.300	1204.100	11.737
158.800	0.000	15.947	0.198	1.302	1204.098	11.562
159.000	0.000	15.845	0.196	1.304	1204.096	11.388
159.200	0.000	15.744	0.195	1.305	1204.095	11.217
159.400	0.000	15.642	0.193	1.307	1204.093	11.047
159.600	0.000	15.541	0.192	1.308	1204.092	10.878
159.800	0.000	15.439	0.190	1.310	1204.090	10.711
160.000	0.000	15.338	0.188	1.312	1204.088	10.546
160.200	0.000	15.236	0.187	1.313	1204.087	10.383
160.400	0.000	15.135	0.185	1.315	1204.085	10.222
160.600	0.000	15.033	0.183	1.317	1204.083	10.063
160.800	0.000	14.932	0.182	1.318	1204.082	9.906
161.000	0.000	14.830	0.180	1.320	1204.080	9.751
161.200	0.000	14.729	0.178	1.322	1204.078	9.598
161.400	0.000	14.627	0.177	1.323	1204.077	9.447
161.600	0.000	14.526	0.175	1.325	1204.075	9.298

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
161.800	0.000	14.424	0.174	1.326	1204.074	8.798
162.000	0.000	14.323	0.172	1.328	1204.072	8.630
162.200	0.000	14.221	0.170	1.330	1204.070	8.463
162.400	0.000	14.120	0.169	1.331	1204.069	8.298
162.600	0.000	14.019	0.167	1.333	1204.067	8.135
162.800	0.000	13.917	0.165	1.335	1204.065	7.974
163.000	0.000	13.816	0.164	1.336	1204.064	7.814
163.200	0.000	13.714	0.162	1.338	1204.062	7.656
163.400	0.000	13.613	0.160	1.340	1204.060	7.500
163.600	0.000	13.507	0.159	1.341	1204.059	7.331
163.800	0.000	13.396	0.157	1.343	1204.057	7.164
164.000	0.000	13.285	0.155	1.345	1204.055	7.000
164.200	0.000	13.174	0.153	1.347	1204.053	6.837
164.400	0.000	13.064	0.152	1.348	1204.052	6.676
164.600	0.000	12.911	0.150	1.350	1204.050	6.518
164.800	0.000	12.758	0.148	1.352	1204.048	6.361
165.000	0.000	12.605	0.146	1.354	1204.046	6.206
165.200	0.000	12.451	0.144	1.356	1204.044	6.053
165.400	0.000	12.298	0.143	1.357	1204.043	5.902
165.600	0.000	12.145	0.141	1.359	1204.041	5.753
165.800	0.000	11.992	0.139	1.361	1204.039	5.606
166.000	0.000	11.839	0.137	1.363	1204.037	5.461
166.200	0.000	11.686	0.135	1.365	1204.035	5.318
166.400	0.000	11.533	0.134	1.366	1204.034	5.177
166.600	0.000	11.380	0.132	1.368	1204.032	5.038
166.800	0.000	11.227	0.130	1.370	1204.030	4.900
167.000	0.000	11.074	0.128	1.372	1204.028	4.765
167.200	0.000	10.921	0.127	1.373	1204.027	4.632
167.400	0.000	10.767	0.125	1.375	1204.025	4.500
167.600	0.000	10.614	0.123	1.377	1204.023	4.371
167.800	0.000	10.461	0.121	1.379	1204.021	4.243
168.000	0.000	10.308	0.119	1.381	1204.019	4.117
168.200	0.000	10.155	0.118	1.382	1204.018	3.994
168.400	0.000	10.002	0.116	1.384	1204.016	3.872
168.600	0.000	9.849	0.114	1.386	1204.014	3.752
168.800	0.000	9.696	0.112	1.388	1204.012	3.634
169.000	0.000	9.543	0.110	1.390	1204.010	3.518
169.200	0.000	9.390	0.109	1.391	1204.009	3.404
169.400	0.000	9.237	0.107	1.393	1204.007	3.292
169.600	0.000	9.083	0.105	1.395	1204.005	3.182
169.800	0.000	8.930	0.103	1.397	1204.003	3.074
170.000	0.000	8.777	0.102	1.398	1204.002	2.967
170.200	0.000	8.624	0.100	1.400	1204.000	2.863
170.400	0.000	8.471	0.098	1.402	1203.998	2.761
170.600	0.000	8.318	0.096	1.404	1203.996	2.660
170.800	0.000	8.165	0.094	1.406	1203.994	2.561
171.000	0.000	8.012	0.093	1.407	1203.993	2.465
171.200	0.000	7.859	0.091	1.409	1203.991	2.370
171.400	0.000	7.706	0.089	1.411	1203.989	2.277
171.600	0.000	7.553	0.087	1.413	1203.987	2.186
171.800	0.000	7.399	0.085	1.415	1203.985	2.096
172.000	0.000	7.246	0.084	1.416	1203.984	2.009
172.200	0.000	7.093	0.082	1.418	1203.982	1.923
172.400	0.000	6.940	0.080	1.420	1203.980	1.840
172.600	0.000	6.787	0.078	1.422	1203.978	1.758
172.800	0.000	6.634	0.077	1.423	1203.977	1.678
173.000	0.000	6.481	0.075	1.425	1203.975	1.600
173.200	0.000	6.328	0.073	1.427	1203.973	1.524
173.400	0.000	6.175	0.071	1.429	1203.971	1.450
173.600	0.000	6.022	0.069	1.431	1203.969	1.378
173.800	0.000	5.869	0.068	1.432	1203.968	1.307
174.000	0.000	5.715	0.066	1.434	1203.966	1.239
174.200	0.000	5.562	0.064	1.436	1203.964	1.172
174.400	0.000	5.409	0.062	1.438	1203.962	1.107
174.600	0.000	5.256	0.060	1.440	1203.960	1.044
174.800	0.000	5.103	0.059	1.441	1203.959	0.983
175.000	0.000	4.950	0.057	1.443	1203.957	0.924
175.200	0.000	4.797	0.055	1.445	1203.955	0.867
175.400	0.000	4.644	0.053	1.447	1203.953	0.811
175.600	0.000	4.491	0.052	1.448	1203.952	0.758
175.800	0.000	4.338	0.050	1.450	1203.950	0.706
176.000	0.000	4.184	0.048	1.452	1203.948	0.656
176.200	0.000	4.031	0.046	1.454	1203.946	0.608
176.400	0.000	3.878	0.044	1.456	1203.944	0.562
176.600	0.000	3.725	0.043	1.457	1203.943	0.518
176.800	0.000	3.572	0.041	1.459	1203.941	0.475
177.000	0.000	3.419	0.039	1.461	1203.939	0.435
177.200	0.000	3.266	0.037	1.463	1203.937	0.396
177.400	0.000	3.119	0.036	1.464	1203.936	0.362
177.600	0.000	2.979	0.034	1.466	1203.934	0.329
177.800	0.000	2.839	0.032	1.468	1203.932	0.298
178.000	0.000	2.698	0.031	1.469	1203.931	0.269
178.200	0.000	2.558	0.029	1.471	1203.929	0.241

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
178.400	0.000	2.418	0.027	1.473	1203.927	0.214
178.600	0.000	2.277	0.026	1.474	1203.926	0.190
178.800	0.000	2.143	0.024	1.476	1203.924	0.168
179.000	0.000	2.016	0.023	1.477	1203.923	0.148
179.200	0.000	1.888	0.021	1.479	1203.921	0.130
179.400	0.000	1.761	0.020	1.480	1203.920	0.112
179.600	0.000	1.633	0.018	1.482	1203.918	0.096
179.800	0.000	1.512	0.017	1.483	1203.917	0.082
180.000	0.000	1.397	0.016	1.484	1203.916	0.070
180.200	0.000	1.282	0.014	1.486	1203.914	0.058
180.400	0.000	1.167	0.013	1.487	1203.913	0.049
180.600	0.000	1.065	0.012	1.488	1203.912	0.040
180.800	0.000	0.963	0.011	1.489	1203.911	0.032
181.000	0.000	0.861	0.010	1.490	1203.910	0.026
181.200	0.000	0.772	0.009	1.491	1203.909	0.021
181.400	0.000	0.683	0.007	1.493	1203.907	0.016
181.600	0.000	0.600	0.007	1.493	1203.907	0.012
181.800	0.000	0.523	0.006	1.494	1203.906	0.009
182.000	0.000	0.453	0.005	1.495	1203.905	0.007
182.200	0.000	0.389	0.004	1.496	1203.904	0.005
182.400	0.000	0.332	0.004	1.496	1203.904	0.004
182.600	0.000	0.281	0.003	1.497	1203.903	0.003
182.800	0.000	0.236	0.003	1.497	1203.903	0.002
183.000	0.000	0.198	0.002	1.498	1203.902	0.001
183.200	0.000	0.159	0.002	1.498	1203.902	0.001
183.400	0.000	0.134	0.001	1.499	1203.901	0.001
183.600	0.000	0.108	0.001	1.499	1203.901	0.000
183.800	0.000	0.089	0.001	1.499	1203.901	0.000
184.000	0.000	0.077	0.001	1.499	1203.901	0.000
184.200	0.000	0.064	0.001	1.499	1203.901	0.000
184.400	0.000	0.051	0.001	1.499	1203.901	0.000
184.600	0.000	0.038	0.000	1.500	1203.900	0.000
184.800	0.000	0.026	0.000	1.500	1203.900	0.000





ARQUITETURA + URBANISMO
 CLN. 267, BL. B, SL. 200 - CEP. 70.743-900
 BRASÍLIA - DF - FONE: 011 3014.3700

CANAL: PO-07B

DATA: 18.12.2019

IMP. DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	23.00	264.343	COTA DE FUNDO JUSANTE (m)	1203.500		
VAZÃO DE SAÍDA MAX. (l/s)	30.00	96.437	COTA VERTEDOIRO (m)	1203.000		
PROFUNDIDADE MAX. (m)	29.80	1.030	COTA DO ORIFÍCIO (m)	1202.000		
FREEBOARD MIN. (m)	29.80	0.470	VERTEDOIRO DE CONTROLE (cm)	-		
NA MAX. (m)	29.80	1,203.030	VERTEDOIRO DE DESCARGA (cm)	400.00		
VOLUME MAX (m ³)	29.80	217.82	DRENO DE FUNDO 3X Ø (mm)	150.00		
VOLUME TOTAL (m ³)		392.92	COEF. DE DESCARGA DO VERTEDOIRO	1.660		
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO	0.130		
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1202.000	0.000
0.200	2.408	0.064	0.003	1.497	1202.003	0.002
0.400	5.498	0.529	0.010	1.490	1202.010	0.023
0.600	8.678	1.212	0.018	1.482	1202.018	0.076
0.800	11.871	1.946	0.027	1.473	1202.027	0.166
1.000	15.069	2.698	0.036	1.464	1202.036	0.292
1.200	18.268	3.464	0.045	1.455	1202.045	0.454
1.400	21.435	4.229	0.054	1.446	1202.054	0.653
1.600	24.589	4.988	0.063	1.437	1202.063	0.883
1.800	27.731	5.728	0.071	1.429	1202.071	1.143
2.000	30.866	6.449	0.079	1.421	1202.079	1.429
2.200	33.995	7.163	0.088	1.412	1202.088	1.744
2.400	37.117	7.865	0.096	1.404	1202.096	2.088
2.600	40.239	8.567	0.104	1.396	1202.104	2.464
2.800	43.349	9.268	0.112	1.388	1202.112	2.867
3.000	46.458	9.957	0.120	1.380	1202.120	3.298
3.200	49.393	10.646	0.128	1.372	1202.128	3.760
3.400	52.262	11.329	0.136	1.364	1202.136	4.244
3.600	55.132	12.005	0.144	1.356	1202.144	4.758
3.800	58.001	12.681	0.152	1.348	1202.152	5.296
4.000	60.870	13.267	0.160	1.340	1202.160	5.859
4.200	63.740	13.746	0.167	1.333	1202.167	6.451
4.400	66.609	14.226	0.175	1.325	1202.175	7.073
4.600	69.478	14.706	0.183	1.317	1202.183	7.725
4.800	72.338	15.185	0.191	1.309	1202.191	8.407
5.000	75.199	15.665	0.198	1.302	1202.198	9.118
5.200	78.059	16.145	0.206	1.294	1202.206	9.859
5.400	80.919	16.625	0.214	1.286	1202.214	10.631
5.600	83.779	17.100	0.221	1.279	1202.221	11.417
5.800	86.639	17.570	0.229	1.271	1202.229	12.233
6.000	89.499	18.041	0.237	1.264	1202.237	13.078
6.200	92.252	18.511	0.244	1.256	1202.244	13.953
6.400	94.921	18.981	0.252	1.248	1202.252	14.858
6.600	97.589	19.452	0.259	1.241	1202.259	15.792
6.800	100.258	19.922	0.267	1.233	1202.267	16.756
7.000	102.927	20.393	0.274	1.226	1202.274	17.741
7.200	105.592	20.854	0.282	1.218	1202.282	18.745
7.400	108.254	21.315	0.289	1.211	1202.289	19.779
7.600	110.917	21.777	0.297	1.203	1202.297	20.841
7.800	113.579	22.238	0.304	1.196	1202.304	21.933
8.000	116.241	22.640	0.312	1.188	1202.312	23.055
8.200	118.903	22.959	0.319	1.181	1202.319	24.206
8.400	121.566	23.277	0.326	1.174	1202.326	25.387
8.600	124.228	23.595	0.334	1.166	1202.334	26.599
8.800	126.890	23.914	0.341	1.159	1202.341	27.840
9.000	129.552	24.229	0.349	1.151	1202.349	29.085
9.200	132.205	24.541	0.356	1.144	1202.356	30.360
9.400	134.789	24.853	0.363	1.137	1202.363	31.663
9.600	137.373	25.165	0.371	1.129	1202.371	32.997
9.800	139.957	25.477	0.378	1.122	1202.378	34.360
10.000	142.541	25.789	0.385	1.115	1202.385	35.752
10.200	145.124	26.101	0.392	1.108	1202.392	37.174
10.400	147.714	26.413	0.400	1.100	1202.400	38.626
10.600	150.308	26.725	0.407	1.093	1202.407	40.107
10.800	152.907	27.037	0.414	1.086	1202.414	41.619
11.000	155.512	27.349	0.422	1.078	1202.422	43.161
11.200	158.121	27.661	0.429	1.071	1202.429	44.733
11.400	160.736	27.973	0.436	1.064	1202.436	46.336
11.600	163.356	28.282	0.443	1.057	1202.443	47.935
11.800	165.979	28.587	0.450	1.050	1202.450	49.564
12.000	168.607	28.893	0.458	1.042	1202.458	51.219
12.200	171.221	29.167	0.465	1.035	1202.465	52.900
12.400	173.803	29.418	0.472	1.028	1202.472	54.642
12.600	176.390	29.672	0.479	1.021	1202.479	56.410
12.800	178.982	29.926	0.487	1.013	1202.487	58.205
13.000	181.576	30.180	0.494	1.006	1202.494	60.026
13.200	184.174	30.433	0.501	0.999	1202.501	61.873

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	186.774	30.687	0.508	0.992	1202.508	63.735
13.600	189.379	30.941	0.516	0.984	1202.516	65.624
13.800	191.986	31.200	0.523	0.977	1202.523	67.541
14.000	194.596	31.459	0.531	0.969	1202.531	69.485
14.200	197.209	31.723	0.538	0.962	1202.538	71.457
14.400	199.828	31.987	0.546	0.954	1202.546	73.458
14.600	202.448	32.256	0.554	0.946	1202.554	75.486
14.800	205.046	32.526	0.562	0.938	1202.562	77.544
15.000	207.630	32.800	0.570	0.931	1202.570	79.631
15.200	205.733	33.075	0.577	0.923	1202.577	81.727
15.400	203.829	33.347	0.585	0.915	1202.585	83.792
15.600	201.918	33.613	0.593	0.907	1202.593	85.827
15.800	199.998	33.875	0.600	0.900	1202.600	87.831
16.000	198.072	34.131	0.607	0.893	1202.607	89.802
16.200	196.141	34.378	0.615	0.885	1202.615	91.762
16.400	194.201	34.593	0.622	0.878	1202.622	93.688
16.600	192.253	34.803	0.629	0.871	1202.629	95.602
16.800	190.301	35.012	0.636	0.864	1202.636	97.483
17.000	188.342	35.216	0.642	0.858	1202.642	99.329
17.200	186.374	35.417	0.649	0.851	1202.649	101.162
17.400	184.393	35.614	0.655	0.845	1202.655	102.960
17.600	182.395	35.807	0.662	0.838	1202.662	104.744
17.800	180.393	35.997	0.668	0.832	1202.668	106.492
18.000	178.383	36.183	0.674	0.826	1202.674	108.204
18.200	176.370	36.367	0.680	0.820	1202.680	109.901
18.400	174.350	36.546	0.686	0.814	1202.686	111.562
18.600	172.325	36.721	0.692	0.808	1202.692	113.206
18.800	170.296	36.893	0.697	0.803	1202.697	114.814
19.000	168.260	37.064	0.703	0.797	1202.703	116.405
19.200	166.219	37.229	0.709	0.791	1202.709	117.979
19.400	176.518	37.397	0.714	0.786	1202.714	119.623
19.600	186.675	37.576	0.720	0.780	1202.720	121.400
19.800	196.058	37.767	0.727	0.773	1202.727	123.269
20.000	204.535	37.966	0.734	0.766	1202.734	125.252
20.200	212.109	38.177	0.741	0.759	1202.741	127.307
20.400	218.908	38.394	0.748	0.752	1202.748	129.458
20.600	225.062	38.620	0.756	0.744	1202.756	131.682
20.800	230.440	38.851	0.764	0.736	1202.764	133.981
21.000	235.172	39.071	0.772	0.728	1202.772	136.333
21.200	239.259	39.287	0.780	0.720	1202.780	138.739
21.400	242.829	39.507	0.788	0.712	1202.788	141.178
21.600	245.753	39.727	0.796	0.704	1202.796	143.649
21.800	248.032	39.952	0.805	0.696	1202.805	146.153
22.000	249.923	40.176	0.813	0.687	1202.813	148.667
22.200	254.419	40.402	0.821	0.679	1202.821	151.238
22.400	258.567	40.632	0.830	0.670	1202.830	153.865
22.600	261.604	40.865	0.839	0.661	1202.839	156.504
22.800	263.529	41.099	0.847	0.653	1202.847	159.199
23.000	264.343	41.335	0.856	0.644	1202.856	161.884
23.200	264.046	41.568	0.865	0.635	1202.865	164.558
23.400	263.193	41.800	0.873	0.627	1202.873	167.242
23.600	261.507	42.030	0.882	0.618	1202.882	169.892
23.800	259.265	42.256	0.890	0.610	1202.890	172.506
24.000	256.467	42.479	0.898	0.602	1202.898	175.084
24.200	253.113	42.697	0.906	0.594	1202.906	177.625
24.400	249.204	42.911	0.914	0.586	1202.914	180.129
24.600	244.740	43.114	0.922	0.578	1202.922	182.571
24.800	239.997	43.302	0.929	0.571	1202.929	184.951
25.000	234.977	43.487	0.937	0.563	1202.937	187.267
25.200	229.679	43.665	0.944	0.556	1202.944	189.544
25.400	224.103	43.838	0.950	0.550	1202.950	191.732
25.600	218.249	44.004	0.957	0.543	1202.957	193.831
25.800	212.117	44.164	0.963	0.537	1202.963	195.887
26.000	205.986	44.319	0.969	0.531	1202.969	197.853
26.200	201.677	44.467	0.975	0.525	1202.975	199.775
26.400	197.240	44.611	0.981	0.519	1202.981	201.630
26.600	192.673	44.750	0.986	0.514	1202.986	203.416
26.800	187.847	44.884	0.992	0.509	1202.992	205.157
27.000	182.893	45.013	0.997	0.503	1202.997	206.829
27.200	177.810	45.137	1.001	0.499	1203.001	208.431
27.400	172.468	51.619	1.006	0.494	1203.006	209.913
27.600	167.126	58.981	1.010	0.490	1203.010	211.249
27.800	161.526	65.568	1.013	0.487	1203.013	212.439
28.000	155.926	71.381	1.017	0.483	1203.017	213.507
28.200	150.067	76.547	1.019	0.481	1203.019	214.427
28.400	144.209	81.067	1.022	0.478	1203.022	215.224
28.600	138.092	84.813	1.024	0.476	1203.024	215.896
28.800	131.975	88.042	1.026	0.474	1203.026	216.470
29.000	125.729	90.754	1.027	0.473	1203.027	216.944
29.200	119.354	92.821	1.028	0.472	1203.028	217.294
29.400	112.979	94.500	1.029	0.471	1203.029	217.569
29.600	106.475	95.662	1.029	0.471	1203.029	217.744
29.800	99.842	96.308	1.030	0.470	1203.030	217.819

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	93.208	96.437	1.029	0.471	1203.029	217.794
30.200	88.817	96.179	1.029	0.471	1203.029	217.719
30.400	84.555	95.662	1.029	0.471	1203.029	217.594
30.600	80.422	94.887	1.028	0.472	1203.028	217.444
30.800	76.547	93.983	1.028	0.472	1203.028	217.244
31.000	72.801	92.821	1.027	0.473	1203.027	216.994
31.200	69.185	91.529	1.026	0.474	1203.026	216.745
31.400	65.827	90.108	1.025	0.475	1203.025	216.445
31.600	62.598	88.558	1.025	0.475	1203.025	216.146
31.800	59.498	87.009	1.024	0.476	1203.024	215.822
32.000	56.657	85.200	1.023	0.477	1203.023	215.473
32.200	53.815	83.392	1.021	0.479	1203.021	215.124
32.400	51.232	81.584	1.020	0.480	1203.020	214.775
32.600	48.649	79.776	1.019	0.481	1203.019	214.402
32.800	46.324	77.709	1.018	0.482	1203.018	214.004
33.000	45.145	75.643	1.017	0.483	1203.017	213.631
33.200	45.111	73.834	1.016	0.484	1203.016	213.283
33.400	45.078	72.026	1.015	0.485	1203.015	212.936
33.600	45.044	70.347	1.014	0.486	1203.014	212.638
33.800	45.011	68.797	1.013	0.487	1203.013	212.340
34.000	44.977	67.247	1.012	0.488	1203.012	212.067
34.200	44.944	65.956	1.012	0.488	1203.012	211.819
34.400	44.910	64.664	1.011	0.489	1203.011	211.571
34.600	44.877	63.373	1.010	0.490	1203.010	211.348
34.800	44.843	62.340	1.010	0.490	1203.010	211.150
35.000	44.810	61.306	1.009	0.491	1203.009	210.952
35.200	44.776	60.273	1.008	0.492	1203.008	210.754
35.400	44.743	59.240	1.008	0.492	1203.008	210.556
35.600	44.709	58.336	1.007	0.493	1203.007	210.407
35.800	44.676	57.561	1.007	0.493	1203.007	210.259
36.000	44.642	56.786	1.006	0.494	1203.006	210.111
36.200	44.609	56.011	1.006	0.494	1203.006	209.962
36.400	44.575	55.236	1.006	0.494	1203.006	209.814
36.600	44.542	54.590	1.005	0.495	1203.005	209.715
36.800	44.508	54.073	1.005	0.495	1203.005	209.616
37.000	44.475	53.557	1.005	0.495	1203.005	209.517
37.200	44.441	53.040	1.004	0.496	1203.004	209.418
37.400	44.408	52.524	1.004	0.496	1203.004	209.320
37.600	44.374	52.007	1.004	0.496	1203.004	209.221
37.800	44.341	51.490	1.003	0.497	1203.003	209.122
38.000	44.307	50.974	1.003	0.497	1203.003	209.023
38.200	44.274	50.457	1.003	0.497	1203.003	208.925
38.400	44.240	50.070	1.003	0.497	1203.003	208.875
38.600	44.207	49.811	1.003	0.497	1203.003	208.826
38.800	44.173	49.553	1.002	0.498	1203.002	208.776
39.000	44.140	49.295	1.002	0.498	1203.002	208.727
39.200	44.106	49.036	1.002	0.498	1203.002	208.678
39.400	44.073	48.778	1.002	0.498	1203.002	208.628
39.600	44.039	48.520	1.002	0.498	1203.002	208.579
39.800	44.006	48.261	1.002	0.498	1203.002	208.530
40.000	43.972	48.003	1.002	0.498	1203.002	208.480
40.200	43.939	47.745	1.001	0.499	1203.001	208.431
40.400	43.905	47.486	1.001	0.499	1203.001	208.382
40.600	43.872	47.228	1.001	0.499	1203.001	208.332
40.800	43.838	46.970	1.001	0.499	1203.001	208.283
41.000	43.805	46.712	1.001	0.499	1203.001	208.234
41.200	43.771	46.453	1.001	0.499	1203.001	208.184
41.400	43.738	46.195	1.001	0.499	1203.001	208.135
41.600	43.704	45.937	1.000	0.500	1203.000	208.086
41.800	43.671	45.678	1.000	0.500	1203.000	208.061
42.000	43.637	45.678	1.000	0.500	1203.000	208.061
42.200	43.604	45.549	1.000	0.500	1203.000	208.036
42.400	43.570	45.549	1.000	0.500	1203.000	208.036
42.600	43.537	45.549	1.000	0.500	1203.000	208.036
42.800	43.503	45.549	1.000	0.500	1203.000	208.036
43.000	43.470	45.420	1.000	0.500	1203.000	208.012
43.200	43.436	45.420	1.000	0.500	1203.000	208.012
43.400	43.403	45.420	1.000	0.500	1203.000	208.012
43.600	43.369	45.420	1.000	0.500	1203.000	208.012
43.800	43.336	45.291	1.000	0.500	1203.000	207.987
44.000	43.302	45.291	1.000	0.500	1203.000	207.987
44.200	43.269	45.291	1.000	0.500	1203.000	207.987
44.400	43.235	45.291	1.000	0.500	1203.000	207.962
44.600	43.202	45.162	1.000	0.500	1203.000	207.962
44.800	43.168	45.162	1.000	0.500	1203.000	207.962
45.000	43.135	45.162	1.000	0.500	1203.000	207.962
45.200	43.101	45.162	1.000	0.500	1203.000	207.938
45.400	43.068	45.158	1.000	0.500	1203.000	207.888
45.600	43.034	45.154	1.000	0.500	1203.000	207.839
45.800	42.999	45.150	0.999	0.501	1202.999	207.790
46.000	42.963	45.147	0.999	0.501	1202.999	207.740
46.200	42.927	45.143	0.999	0.501	1202.999	207.691
46.400	42.891	45.139	0.999	0.501	1202.999	207.642

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
46.600	42.855	45.136	0.999	0.501	1202.999	207.593
46.800	42.819	45.132	0.999	0.501	1202.999	207.543
47.000	42.783	45.128	0.999	0.501	1202.999	207.494
47.200	42.747	45.124	0.998	0.502	1202.998	207.445
47.400	42.711	45.121	0.998	0.502	1202.998	207.395
47.600	42.675	45.117	0.998	0.502	1202.998	207.346
47.800	42.639	45.113	0.998	0.502	1202.998	207.297
48.000	42.603	45.110	0.998	0.502	1202.998	207.248
48.200	42.567	45.106	0.998	0.502	1202.998	207.198
48.400	42.531	45.102	0.998	0.502	1202.998	207.149
48.600	42.495	45.098	0.997	0.503	1202.997	207.100
48.800	42.459	45.095	0.997	0.503	1202.997	207.051
49.000	42.423	45.091	0.997	0.503	1202.997	207.001
49.200	42.387	45.087	0.997	0.503	1202.997	206.952
49.400	42.350	45.083	0.997	0.503	1202.997	206.903
49.600	42.314	45.080	0.997	0.503	1202.997	206.854
49.800	42.278	45.076	0.996	0.504	1202.996	206.804
50.000	42.242	45.072	0.996	0.504	1202.996	206.755
50.200	42.206	45.069	0.996	0.504	1202.996	206.706
50.400	42.170	45.065	0.996	0.504	1202.996	206.657
50.600	42.134	45.061	0.996	0.504	1202.996	206.607
50.800	42.098	45.057	0.996	0.504	1202.996	206.558
51.000	42.062	45.054	0.996	0.504	1202.996	206.509
51.200	42.026	45.050	0.995	0.505	1202.995	206.460
51.400	41.990	45.046	0.995	0.505	1202.995	206.411
51.600	41.954	45.043	0.995	0.505	1202.995	206.361
51.800	41.918	45.039	0.995	0.505	1202.995	206.312
52.000	41.882	45.035	0.995	0.505	1202.995	206.263
52.200	41.846	45.031	0.995	0.505	1202.995	206.214
52.400	41.810	45.028	0.995	0.505	1202.995	206.165
52.600	41.774	45.024	0.994	0.506	1202.994	206.115
52.800	41.738	45.020	0.994	0.506	1202.994	206.066
53.000	41.702	45.016	0.994	0.506	1202.994	206.017
53.200	41.666	45.013	0.994	0.506	1202.994	205.968
53.400	41.630	45.009	0.994	0.506	1202.994	205.919
53.600	41.594	45.005	0.994	0.506	1202.994	205.870
53.800	41.558	45.002	0.994	0.506	1202.994	205.820
54.000	41.521	44.998	0.993	0.507	1202.993	205.771
54.200	41.485	44.994	0.993	0.507	1202.993	205.722
54.400	41.449	44.990	0.993	0.507	1202.993	205.673
54.600	41.413	44.987	0.993	0.507	1202.993	205.624
54.800	41.377	44.983	0.993	0.507	1202.993	205.575
55.000	41.341	44.979	0.993	0.507	1202.993	205.526
55.200	41.305	44.976	0.992	0.508	1202.992	205.476
55.400	41.269	44.972	0.992	0.508	1202.992	205.427
55.600	41.233	44.968	0.992	0.508	1202.992	205.378
55.800	41.197	44.964	0.992	0.508	1202.992	205.329
56.000	41.161	44.961	0.992	0.508	1202.992	205.280
56.200	41.125	44.957	0.992	0.508	1202.992	205.231
56.400	41.089	44.953	0.992	0.508	1202.992	205.182
56.600	41.053	44.949	0.991	0.509	1202.991	205.132
56.800	41.017	44.946	0.991	0.509	1202.991	205.083
57.000	40.981	44.942	0.991	0.509	1202.991	205.034
57.200	40.945	44.938	0.991	0.509	1202.991	204.985
57.400	40.909	44.935	0.991	0.509	1202.991	204.936
57.600	40.873	44.931	0.991	0.509	1202.991	204.887
57.800	40.837	44.927	0.991	0.509	1202.991	204.838
58.000	40.801	44.923	0.990	0.510	1202.990	204.789
58.200	40.767	44.920	0.990	0.510	1202.990	204.740
58.400	40.735	44.916	0.990	0.510	1202.990	204.691
58.600	40.703	44.912	0.990	0.510	1202.990	204.642
58.800	40.670	44.909	0.990	0.510	1202.990	204.592
59.000	40.638	44.905	0.990	0.510	1202.990	204.543
59.200	40.606	44.901	0.989	0.511	1202.989	204.494
59.400	40.574	44.897	0.989	0.511	1202.989	204.445
59.600	40.542	44.894	0.989	0.511	1202.989	204.396
59.800	40.510	44.890	0.989	0.511	1202.989	204.347
60.000	40.478	44.886	0.989	0.511	1202.989	204.298
60.200	40.446	44.882	0.989	0.511	1202.989	204.249
60.400	40.414	44.879	0.989	0.511	1202.989	204.200
60.600	40.382	44.875	0.988	0.512	1202.988	204.151
60.800	40.350	44.871	0.988	0.512	1202.988	204.102
61.000	40.318	44.868	0.988	0.512	1202.988	204.053
61.200	40.286	44.864	0.988	0.512	1202.988	204.004
61.400	40.254	44.860	0.988	0.512	1202.988	203.955
61.600	40.222	44.856	0.988	0.512	1202.988	203.906
61.800	40.190	44.853	0.988	0.512	1202.988	203.857
62.000	40.158	44.849	0.987	0.513	1202.987	203.808
62.200	40.126	44.845	0.987	0.513	1202.987	203.759
62.400	40.094	44.842	0.987	0.513	1202.987	203.710
62.600	40.062	44.838	0.987	0.513	1202.987	203.661
62.800	40.030	44.834	0.987	0.513	1202.987	203.612
63.000	39.998	44.830	0.987	0.513	1202.987	203.563

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
63.200	39.966	44.827	0.987	0.513	1202.987	203.514
63.400	39.934	44.823	0.986	0.514	1202.986	203.465
63.600	39.902	44.819	0.986	0.514	1202.986	203.416
63.800	39.870	44.815	0.986	0.514	1202.986	203.367
64.000	39.837	44.812	0.986	0.514	1202.986	203.318
64.200	39.805	44.808	0.986	0.514	1202.986	203.269
64.400	39.773	44.804	0.986	0.514	1202.986	203.220
64.600	39.741	44.801	0.985	0.515	1202.985	203.171
64.800	39.709	44.797	0.985	0.515	1202.985	203.122
65.000	39.677	44.793	0.985	0.515	1202.985	203.073
65.200	39.645	44.789	0.985	0.515	1202.985	203.024
65.400	39.613	44.786	0.985	0.515	1202.985	202.975
65.600	39.581	44.782	0.985	0.515	1202.985	202.926
65.800	39.549	44.778	0.985	0.515	1202.985	202.877
66.000	39.517	44.774	0.984	0.516	1202.984	202.828
66.200	39.485	44.771	0.984	0.516	1202.984	202.779
66.400	39.453	44.767	0.984	0.516	1202.984	202.730
66.600	39.421	44.763	0.984	0.516	1202.984	202.681
66.800	39.389	44.760	0.984	0.516	1202.984	202.632
67.000	39.357	44.756	0.984	0.516	1202.984	202.583
67.200	39.325	44.752	0.984	0.516	1202.984	202.534
67.400	39.293	44.748	0.983	0.517	1202.983	202.485
67.600	39.261	44.745	0.983	0.517	1202.983	202.436
67.800	39.229	44.741	0.983	0.517	1202.983	202.387
68.000	39.197	44.737	0.983	0.517	1202.983	202.339
68.200	39.165	44.734	0.983	0.517	1202.983	202.290
68.400	39.133	44.730	0.983	0.517	1202.983	202.241
68.600	39.101	44.726	0.983	0.518	1202.983	202.192
68.800	39.069	44.722	0.982	0.518	1202.982	202.143
69.000	39.037	44.719	0.982	0.518	1202.982	202.094
69.200	39.004	44.715	0.982	0.518	1202.982	202.045
69.400	38.972	44.711	0.982	0.518	1202.982	201.996
69.600	38.940	44.707	0.982	0.518	1202.982	201.947
69.800	38.907	44.704	0.982	0.518	1202.982	201.898
70.000	38.871	44.700	0.981	0.519	1202.981	201.850
70.200	38.835	44.696	0.981	0.519	1202.981	201.801
70.400	38.799	44.693	0.981	0.519	1202.981	201.752
70.600	38.764	44.689	0.981	0.519	1202.981	201.703
70.800	38.728	44.685	0.981	0.519	1202.981	201.654
71.000	38.692	44.681	0.981	0.519	1202.981	201.605
71.200	38.656	44.678	0.981	0.519	1202.981	201.556
71.400	38.620	44.674	0.980	0.520	1202.980	201.507
71.600	38.584	44.670	0.980	0.520	1202.980	201.459
71.800	38.549	44.667	0.980	0.520	1202.980	201.385
72.000	38.513	44.659	0.980	0.520	1202.980	201.288
72.200	38.477	44.652	0.979	0.521	1202.979	201.190
72.400	38.441	44.644	0.979	0.521	1202.979	201.092
72.600	38.405	44.637	0.979	0.521	1202.979	200.995
72.800	38.369	44.629	0.979	0.521	1202.979	200.897
73.000	38.334	44.622	0.978	0.522	1202.978	200.799
73.200	38.298	44.614	0.978	0.522	1202.978	200.702
73.400	38.262	44.607	0.978	0.522	1202.978	200.604
73.600	38.226	44.600	0.977	0.523	1202.977	200.507
73.800	38.190	44.592	0.977	0.523	1202.977	200.409
74.000	38.154	44.585	0.977	0.523	1202.977	200.311
74.200	38.119	44.577	0.976	0.524	1202.976	200.214
74.400	38.083	44.570	0.976	0.524	1202.976	200.116
74.600	38.047	44.562	0.976	0.524	1202.976	200.019
74.800	38.011	44.555	0.976	0.524	1202.976	199.921
75.000	37.975	44.547	0.975	0.525	1202.975	199.824
75.200	37.939	44.540	0.975	0.525	1202.975	199.726
75.400	37.903	44.533	0.975	0.525	1202.975	199.629
75.600	37.868	44.525	0.974	0.526	1202.974	199.531
75.800	37.832	44.518	0.974	0.526	1202.974	199.434
76.000	37.796	44.510	0.974	0.526	1202.974	199.337
76.200	37.760	44.503	0.973	0.527	1202.973	199.239
76.400	37.724	44.495	0.973	0.527	1202.973	199.142
76.600	37.688	44.488	0.973	0.527	1202.973	199.044
76.800	37.653	44.480	0.973	0.527	1202.973	198.947
77.000	37.617	44.473	0.972	0.528	1202.972	198.850
77.200	37.581	44.466	0.972	0.528	1202.972	198.752
77.400	37.545	44.458	0.972	0.528	1202.972	198.655
77.600	37.509	44.451	0.971	0.529	1202.971	198.558
77.800	37.473	44.443	0.971	0.529	1202.971	198.460
78.000	37.438	44.436	0.971	0.529	1202.971	198.363
78.200	37.402	44.428	0.971	0.529	1202.971	198.266
78.400	37.366	44.421	0.970	0.530	1202.970	198.169
78.600	37.330	44.413	0.970	0.530	1202.970	198.071
78.800	37.294	44.406	0.970	0.530	1202.970	197.974
79.000	37.258	44.399	0.969	0.531	1202.969	197.877

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
79.200	37.223	44.391	0.969	0.531	1202.969	197.780
79.400	37.187	44.384	0.969	0.531	1202.969	197.683
79.600	37.151	44.376	0.968	0.532	1202.968	197.585
79.800	37.115	44.369	0.968	0.532	1202.968	197.488
80.000	37.079	44.361	0.968	0.532	1202.968	197.391
80.200	37.043	44.354	0.968	0.532	1202.968	197.294
80.400	37.008	44.346	0.967	0.533	1202.967	197.197
80.600	36.972	44.339	0.967	0.533	1202.967	197.100
80.800	36.936	44.332	0.967	0.533	1202.967	197.003
81.000	36.900	44.324	0.966	0.534	1202.966	196.906
81.200	36.864	44.317	0.966	0.534	1202.966	196.809
81.400	36.828	44.309	0.966	0.534	1202.966	196.711
81.600	36.792	44.302	0.965	0.535	1202.965	196.614
81.800	36.757	44.294	0.965	0.535	1202.965	196.517
82.000	36.721	44.287	0.965	0.535	1202.965	196.420
82.200	36.685	44.279	0.965	0.535	1202.965	196.323
82.400	36.649	44.272	0.964	0.536	1202.964	196.226
82.600	36.613	44.265	0.964	0.536	1202.964	196.129
82.800	36.577	44.257	0.964	0.536	1202.964	196.033
83.000	36.542	44.250	0.963	0.537	1202.963	195.936
83.200	36.506	44.242	0.963	0.537	1202.963	195.839
83.400	36.470	44.235	0.963	0.537	1202.963	195.742
83.600	36.434	44.227	0.962	0.538	1202.962	195.645
83.800	36.398	44.220	0.962	0.538	1202.962	195.548
84.000	36.362	44.212	0.962	0.538	1202.962	195.451
84.200	36.327	44.205	0.962	0.538	1202.962	195.354
84.400	36.291	44.198	0.961	0.539	1202.961	195.257
84.600	36.255	44.190	0.961	0.539	1202.961	195.161
84.800	36.219	44.183	0.961	0.539	1202.961	195.064
85.000	36.183	44.175	0.960	0.540	1202.960	194.967
85.200	36.147	44.168	0.960	0.540	1202.960	194.870
85.400	36.112	44.160	0.960	0.540	1202.960	194.773
85.600	36.076	44.153	0.960	0.541	1202.960	194.677
85.800	36.040	44.145	0.959	0.541	1202.959	194.580
86.000	36.004	44.138	0.959	0.541	1202.959	194.483
86.200	35.968	44.131	0.959	0.541	1202.959	194.386
86.400	35.932	44.123	0.958	0.542	1202.958	194.290
86.600	35.897	44.116	0.958	0.542	1202.958	194.193
86.800	35.861	44.108	0.958	0.542	1202.958	194.096
87.000	35.825	44.101	0.957	0.543	1202.957	194.000
87.200	35.789	44.093	0.957	0.543	1202.957	193.903
87.400	35.753	44.086	0.957	0.543	1202.957	193.806
87.600	35.717	44.078	0.957	0.543	1202.957	193.710
87.800	35.682	44.071	0.956	0.544	1202.956	193.613
88.000	35.646	44.064	0.956	0.544	1202.956	193.517
88.200	35.610	44.056	0.956	0.544	1202.956	193.420
88.400	35.574	44.049	0.955	0.545	1202.955	193.323
88.600	35.538	44.041	0.955	0.545	1202.955	193.227
88.800	35.502	44.034	0.955	0.545	1202.955	193.130
89.000	35.466	44.026	0.954	0.546	1202.954	193.034
89.200	35.431	44.019	0.954	0.546	1202.954	192.937
89.400	35.395	44.011	0.954	0.546	1202.954	192.841
89.600	35.359	44.004	0.954	0.546	1202.954	192.744
89.800	35.323	43.997	0.953	0.547	1202.953	192.648
90.000	35.287	43.989	0.953	0.547	1202.953	192.551
90.200	35.251	43.982	0.953	0.547	1202.953	192.455
90.400	35.216	43.974	0.952	0.548	1202.952	192.359
90.600	35.180	43.967	0.952	0.548	1202.952	192.262
90.800	35.144	43.959	0.952	0.548	1202.952	192.166
91.000	35.108	43.952	0.951	0.549	1202.951	192.069
91.200	35.072	43.944	0.951	0.549	1202.951	191.973
91.400	35.036	43.937	0.951	0.549	1202.951	191.877
91.600	35.001	43.930	0.951	0.549	1202.951	191.780
91.800	34.965	43.922	0.950	0.550	1202.950	191.684
92.000	34.929	43.915	0.950	0.550	1202.950	191.588
92.200	34.893	43.907	0.950	0.550	1202.950	191.491
92.400	34.857	43.900	0.949	0.551	1202.949	191.395
92.600	34.821	43.892	0.949	0.551	1202.949	191.299
92.800	34.786	43.885	0.949	0.551	1202.949	191.202
93.000	34.750	43.877	0.948	0.552	1202.948	191.106
93.200	34.714	43.870	0.948	0.552	1202.948	191.010
93.400	34.678	43.863	0.948	0.552	1202.948	190.914
93.600	34.642	43.855	0.948	0.552	1202.948	190.818
93.800	34.606	43.848	0.947	0.553	1202.947	190.721
94.000	34.571	43.840	0.947	0.553	1202.947	190.625
94.200	34.535	43.833	0.947	0.553	1202.947	190.529
94.400	34.499	43.825	0.946	0.554	1202.946	190.433
94.600	34.463	43.818	0.946	0.554	1202.946	190.337
94.800	34.427	43.810	0.946	0.554	1202.946	190.241
95.000	34.391	43.803	0.946	0.554	1202.946	190.144
95.200	34.356	43.796	0.945	0.555	1202.945	190.048

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
95.400	34.318	43.788	0.945	0.555	1202.945	189.952
95.600	34.276	43.781	0.945	0.555	1202.945	189.856
95.800	34.235	43.773	0.944	0.556	1202.944	189.760
96.000	34.193	43.766	0.944	0.556	1202.944	189.664
96.200	34.152	43.758	0.944	0.556	1202.944	189.568
96.400	34.110	43.751	0.943	0.557	1202.943	189.472
96.600	34.069	43.743	0.943	0.557	1202.943	189.376
96.800	34.028	43.736	0.943	0.557	1202.943	189.280
97.000	33.986	43.729	0.943	0.557	1202.943	189.184
97.200	33.945	43.721	0.942	0.558	1202.942	189.088
97.400	33.903	43.714	0.942	0.558	1202.942	188.992
97.600	33.862	43.706	0.942	0.558	1202.942	188.896
97.800	33.820	43.699	0.941	0.559	1202.941	188.800
98.000	33.779	43.691	0.941	0.559	1202.941	188.704
98.200	33.738	43.684	0.941	0.559	1202.941	188.609
98.400	33.696	43.676	0.940	0.560	1202.940	188.513
98.600	33.655	43.667	0.940	0.560	1202.940	188.369
98.800	33.613	43.656	0.940	0.560	1202.940	188.225
99.000	33.572	43.645	0.939	0.561	1202.939	188.081
99.200	33.530	43.634	0.939	0.561	1202.939	187.938
99.400	33.489	43.622	0.938	0.562	1202.938	187.794
99.600	33.448	43.611	0.938	0.562	1202.938	187.650
99.800	33.406	43.600	0.937	0.563	1202.937	187.507
100.000	33.365	43.589	0.937	0.563	1202.937	187.363
100.200	33.323	43.578	0.936	0.564	1202.936	187.220
100.400	33.282	43.567	0.936	0.564	1202.936	187.076
100.600	33.240	43.555	0.936	0.564	1202.936	186.933
100.800	33.199	43.544	0.935	0.565	1202.935	186.789
101.000	33.157	43.533	0.935	0.565	1202.935	186.646
101.200	33.116	43.522	0.934	0.566	1202.934	186.502
101.400	33.075	43.511	0.934	0.566	1202.934	186.359
101.600	33.033	43.500	0.933	0.567	1202.933	186.216
101.800	32.992	43.488	0.933	0.567	1202.933	186.072
102.000	32.950	43.477	0.932	0.568	1202.932	185.929
102.200	32.909	43.466	0.932	0.568	1202.932	185.786
102.400	32.867	43.455	0.932	0.568	1202.932	185.643
102.600	32.826	43.444	0.931	0.569	1202.931	185.500
102.800	32.785	43.433	0.931	0.569	1202.931	185.356
103.000	32.743	43.421	0.930	0.570	1202.930	185.213
103.200	32.702	43.410	0.930	0.570	1202.930	185.070
103.400	32.660	43.399	0.929	0.571	1202.929	184.927
103.600	32.619	43.388	0.929	0.571	1202.929	184.784
103.800	32.577	43.377	0.928	0.572	1202.928	184.641
104.000	32.536	43.366	0.928	0.572	1202.928	184.498
104.200	32.495	43.354	0.928	0.573	1202.928	184.355
104.400	32.453	43.343	0.927	0.573	1202.927	184.212
104.600	32.412	43.332	0.927	0.573	1202.927	184.069
104.800	32.370	43.321	0.926	0.574	1202.926	183.927
105.000	32.329	43.310	0.926	0.574	1202.926	183.784
105.200	32.287	43.299	0.925	0.575	1202.925	183.641
105.400	32.246	43.287	0.925	0.575	1202.925	183.498
105.600	32.205	43.276	0.924	0.576	1202.924	183.356
105.800	32.163	43.265	0.924	0.576	1202.924	183.213
106.000	32.122	43.254	0.923	0.577	1202.923	183.070
106.200	32.080	43.243	0.923	0.577	1202.923	182.928
106.400	32.039	43.232	0.923	0.577	1202.923	182.785
106.600	31.997	43.220	0.922	0.578	1202.922	182.643
106.800	31.956	43.209	0.922	0.578	1202.922	182.500
107.000	31.915	43.198	0.921	0.579	1202.921	182.357
107.200	31.873	43.187	0.921	0.579	1202.921	182.215
107.400	31.832	43.176	0.920	0.580	1202.920	182.073
107.600	31.790	43.165	0.920	0.580	1202.920	181.930
107.800	31.749	43.153	0.919	0.581	1202.919	181.788
108.000	31.707	43.142	0.919	0.581	1202.919	181.645
108.200	31.666	43.131	0.919	0.581	1202.919	181.503
108.400	31.624	43.120	0.918	0.582	1202.918	181.361
108.600	31.583	43.109	0.918	0.582	1202.918	181.219
108.800	31.542	43.098	0.917	0.583	1202.917	181.076
109.000	31.500	43.086	0.917	0.583	1202.917	180.934
109.200	31.459	43.075	0.916	0.584	1202.916	180.792
109.400	31.417	43.064	0.916	0.584	1202.916	180.650
109.600	31.376	43.053	0.915	0.585	1202.915	180.508
109.800	31.334	43.042	0.915	0.585	1202.915	180.366
110.000	31.293	43.031	0.915	0.585	1202.915	180.224
110.200	31.252	43.019	0.914	0.586	1202.914	180.082
110.400	31.210	43.007	0.914	0.586	1202.914	179.940
110.600	31.169	42.995	0.913	0.587	1202.913	179.798
110.800	31.127	42.983	0.913	0.587	1202.913	179.656
111.000	31.086	42.971	0.912	0.588	1202.912	179.514
111.200	31.044	42.959	0.912	0.588	1202.912	179.372
111.400	31.003	42.947	0.911	0.589	1202.911	179.230
111.600	30.962	42.935	0.911	0.589	1202.911	179.089
111.800	30.920	42.923	0.911	0.589	1202.911	178.947

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
112.000	30.879	42.911	0.910	0.590	1202.910	178.805
112.200	30.837	42.899	0.910	0.590	1202.910	178.663
112.400	30.796	42.887	0.909	0.591	1202.909	178.522
112.600	30.754	42.875	0.909	0.591	1202.909	178.380
112.800	30.713	42.863	0.908	0.592	1202.908	178.239
113.000	30.672	42.851	0.908	0.592	1202.908	178.097
113.200	30.630	42.839	0.907	0.593	1202.907	177.955
113.400	30.589	42.827	0.907	0.593	1202.907	177.814
113.600	30.547	42.815	0.907	0.593	1202.907	177.672
113.800	30.506	42.803	0.906	0.594	1202.906	177.531
114.000	30.464	42.791	0.906	0.594	1202.906	177.390
114.200	30.423	42.779	0.905	0.595	1202.905	177.248
114.400	30.382	42.767	0.905	0.595	1202.905	177.107
114.600	30.340	42.755	0.904	0.596	1202.904	176.966
114.800	30.299	42.743	0.904	0.596	1202.904	176.824
115.000	30.257	42.731	0.903	0.597	1202.903	176.683
115.200	30.216	42.719	0.903	0.597	1202.903	176.542
115.400	30.174	42.707	0.903	0.598	1202.903	176.401
115.600	30.133	42.695	0.902	0.598	1202.902	176.259
115.800	30.091	42.683	0.902	0.598	1202.902	176.118
116.000	30.050	42.671	0.901	0.599	1202.901	175.977
116.200	30.009	42.659	0.901	0.599	1202.901	175.836
116.400	29.967	42.647	0.900	0.600	1202.900	175.695
116.600	29.926	42.635	0.900	0.600	1202.900	175.554
116.800	29.884	42.623	0.899	0.601	1202.899	175.413
117.000	29.843	42.611	0.899	0.601	1202.899	175.272
117.200	29.801	42.599	0.898	0.602	1202.898	175.131
117.400	29.760	42.587	0.898	0.602	1202.898	174.990
117.600	29.719	42.575	0.898	0.602	1202.898	174.849
117.800	29.677	42.563	0.897	0.603	1202.897	174.709
118.000	29.636	42.551	0.897	0.603	1202.897	174.568
118.200	29.594	42.539	0.896	0.604	1202.896	174.427
118.400	29.553	42.527	0.896	0.604	1202.896	174.286
118.600	29.511	42.515	0.895	0.605	1202.895	174.146
118.800	29.470	42.503	0.895	0.605	1202.895	174.005
119.000	29.429	42.491	0.894	0.606	1202.894	173.864
119.200	29.387	42.479	0.894	0.606	1202.894	173.724
119.400	29.346	42.467	0.894	0.606	1202.894	173.583
119.600	29.304	42.455	0.893	0.607	1202.893	173.443
119.800	29.263	42.443	0.893	0.607	1202.893	173.302
120.000	29.221	42.431	0.892	0.608	1202.892	173.162
120.200	29.180	42.419	0.892	0.608	1202.892	173.021
120.400	29.139	42.407	0.891	0.609	1202.891	172.881
120.600	29.097	42.395	0.891	0.609	1202.891	172.740
120.800	29.056	42.383	0.890	0.610	1202.890	172.600
121.000	29.011	42.370	0.890	0.610	1202.890	172.460
121.200	28.960	42.358	0.890	0.610	1202.890	172.319
121.400	28.909	42.346	0.889	0.611	1202.889	172.179
121.600	28.858	42.334	0.889	0.611	1202.889	172.039
121.800	28.807	42.322	0.888	0.612	1202.888	171.899
122.000	28.756	42.310	0.888	0.612	1202.888	171.758
122.200	28.705	42.298	0.887	0.613	1202.887	171.618
122.400	28.654	42.286	0.887	0.613	1202.887	171.475
122.600	28.603	42.270	0.886	0.614	1202.886	171.335
122.800	28.552	42.254	0.886	0.614	1202.886	171.195
123.000	28.501	42.238	0.885	0.615	1202.885	171.055
123.200	28.450	42.222	0.884	0.616	1202.884	170.915
123.400	28.399	42.206	0.884	0.616	1202.884	170.775
123.600	28.349	42.190	0.883	0.617	1202.883	170.635
123.800	28.298	42.174	0.883	0.617	1202.883	170.495
124.000	28.247	42.158	0.882	0.618	1202.882	169.355
124.200	28.196	42.142	0.881	0.619	1202.881	169.215
124.400	28.145	42.126	0.881	0.619	1202.881	169.075
124.600	28.094	42.110	0.880	0.620	1202.880	168.935
124.800	28.043	42.094	0.880	0.620	1202.880	168.795
125.000	27.992	42.078	0.879	0.621	1202.879	168.655
125.200	27.941	42.062	0.878	0.622	1202.878	168.515
125.400	27.890	42.046	0.878	0.622	1202.878	168.375
125.600	27.839	42.030	0.877	0.623	1202.877	168.235
125.800	27.788	42.014	0.877	0.623	1202.877	168.095
126.000	27.737	41.998	0.876	0.624	1202.876	167.955
126.200	27.686	41.982	0.875	0.625	1202.875	167.815
126.400	27.635	41.966	0.875	0.625	1202.875	167.675
126.600	27.584	41.950	0.874	0.626	1202.874	167.535
126.800	27.534	41.934	0.874	0.626	1202.874	167.395
127.000	27.483	41.918	0.873	0.627	1202.873	167.255
127.200	27.432	41.902	0.873	0.627	1202.873	167.115
127.400	27.381	41.886	0.872	0.628	1202.872	166.975
127.600	27.330	41.870	0.871	0.629	1202.871	166.835
127.800	27.279	41.854	0.871	0.629	1202.871	166.695
128.000	27.228	41.838	0.870	0.630	1202.870	166.555
128.200	27.177	41.822	0.870	0.630	1202.870	166.415
128.400	27.126	41.806	0.869	0.631	1202.869	166.275

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
128.600	27.075	41.790	0.868	0.632	1202.868	165.690
128.800	27.024	41.774	0.868	0.632	1202.868	165.505
129.000	26.973	41.758	0.867	0.633	1202.867	165.320
129.200	26.922	41.742	0.867	0.633	1202.867	165.135
129.400	26.871	41.726	0.866	0.634	1202.866	164.950
129.600	26.820	41.710	0.865	0.635	1202.865	164.765
129.800	26.769	41.694	0.865	0.635	1202.865	164.581
130.000	26.719	41.678	0.864	0.636	1202.864	164.396
130.200	26.668	41.662	0.864	0.636	1202.864	164.211
130.400	26.617	41.646	0.863	0.637	1202.863	164.027
130.600	26.566	41.630	0.862	0.638	1202.862	163.842
130.800	26.515	41.614	0.862	0.638	1202.862	163.657
131.000	26.464	41.598	0.861	0.639	1202.861	163.473
131.200	26.413	41.582	0.861	0.639	1202.861	163.289
131.400	26.362	41.566	0.860	0.640	1202.860	163.104
131.600	26.311	41.550	0.859	0.641	1202.859	162.920
131.800	26.260	41.533	0.859	0.641	1202.859	162.736
132.000	26.209	41.517	0.858	0.642	1202.858	162.551
132.200	26.152	41.501	0.858	0.642	1202.858	162.367
132.400	26.095	41.485	0.857	0.643	1202.857	162.183
132.600	26.037	41.469	0.856	0.644	1202.856	161.999
132.800	25.980	41.453	0.856	0.644	1202.856	161.815
133.000	25.923	41.437	0.855	0.645	1202.855	161.631
133.200	25.865	41.421	0.855	0.645	1202.855	161.447
133.400	25.808	41.405	0.854	0.646	1202.854	161.264
133.600	25.751	41.389	0.853	0.647	1202.853	161.080
133.800	25.693	41.373	0.853	0.647	1202.853	160.896
134.000	25.636	41.357	0.852	0.648	1202.852	160.712
134.200	25.579	41.341	0.852	0.648	1202.852	160.529
134.400	25.522	41.325	0.851	0.649	1202.851	160.345
134.600	25.464	41.309	0.850	0.650	1202.850	160.162
134.800	25.407	41.293	0.850	0.650	1202.850	159.978
135.000	25.350	41.277	0.849	0.651	1202.849	159.795
135.200	25.292	41.261	0.849	0.651	1202.849	159.612
135.400	25.235	41.245	0.848	0.652	1202.848	159.428
135.600	25.178	41.229	0.848	0.652	1202.848	159.245
135.800	25.120	41.213	0.847	0.653	1202.847	159.062
136.000	25.063	41.197	0.846	0.654	1202.846	158.879
136.200	25.006	41.181	0.846	0.654	1202.846	158.696
136.400	24.949	41.165	0.845	0.655	1202.845	158.513
136.600	24.891	41.149	0.845	0.655	1202.845	158.330
136.800	24.834	41.133	0.844	0.656	1202.844	158.147
137.000	24.777	41.117	0.843	0.657	1202.843	157.964
137.200	24.719	41.101	0.843	0.657	1202.843	157.781
137.400	24.662	41.085	0.842	0.658	1202.842	157.599
137.600	24.605	41.069	0.842	0.658	1202.842	157.416
137.800	24.547	41.053	0.841	0.659	1202.841	157.233
138.000	24.490	41.037	0.840	0.660	1202.840	157.051
138.200	24.433	41.021	0.840	0.660	1202.840	156.868
138.400	24.375	41.005	0.839	0.661	1202.839	156.686
138.600	24.318	40.989	0.839	0.661	1202.839	156.504
138.800	24.261	40.973	0.838	0.662	1202.838	156.321
139.000	24.204	40.957	0.837	0.663	1202.837	156.139
139.200	24.146	40.941	0.837	0.663	1202.837	155.957
139.400	24.089	40.925	0.836	0.664	1202.836	155.775
139.600	24.032	40.909	0.836	0.664	1202.836	155.592
139.800	23.974	40.893	0.835	0.665	1202.835	155.410
140.000	23.917	40.877	0.834	0.666	1202.834	155.228
140.200	23.860	40.861	0.834	0.666	1202.834	155.046
140.400	23.802	40.845	0.833	0.667	1202.833	154.864
140.600	23.745	40.827	0.832	0.668	1202.832	154.637
140.800	23.688	40.807	0.832	0.668	1202.832	154.410
141.000	23.631	40.787	0.831	0.669	1202.831	154.183
141.200	23.573	40.767	0.830	0.670	1202.830	153.956
141.400	23.516	40.747	0.830	0.671	1202.830	153.729
141.600	23.459	40.727	0.829	0.671	1202.829	153.502
141.800	23.401	40.707	0.828	0.672	1202.828	153.275
142.000	23.344	40.686	0.827	0.673	1202.827	153.048
142.200	23.287	40.666	0.827	0.673	1202.827	152.822
142.400	23.229	40.646	0.826	0.674	1202.826	152.595
142.600	23.172	40.626	0.825	0.675	1202.825	152.369
142.800	23.115	40.606	0.824	0.676	1202.824	152.143
143.000	23.057	40.586	0.824	0.676	1202.824	151.916
143.200	23.000	40.566	0.823	0.677	1202.823	151.690
143.400	22.943	40.546	0.822	0.678	1202.822	151.464
143.600	22.886	40.526	0.821	0.679	1202.821	151.238
143.800	22.828	40.506	0.821	0.679	1202.821	151.012
144.000	22.765	40.486	0.820	0.680	1202.820	150.786
144.200	22.701	40.466	0.819	0.681	1202.819	150.560
144.400	22.637	40.446	0.818	0.682	1202.818	150.335
144.600	22.574	40.426	0.818	0.682	1202.818	150.109
144.800	22.510	40.406	0.817	0.683	1202.817	149.884
145.000	22.418	40.386	0.816	0.684	1202.816	149.658

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
145.200	22.325	40.366	0.815	0.685	1202.815	149.433
145.400	22.233	40.346	0.815	0.685	1202.815	149.208
145.600	22.141	40.326	0.814	0.686	1202.814	148.982
145.800	22.049	40.306	0.813	0.687	1202.813	148.757
146.000	21.956	40.286	0.812	0.688	1202.812	148.532
146.200	21.864	40.266	0.812	0.688	1202.812	148.307
146.400	21.772	40.246	0.811	0.689	1202.811	148.083
146.600	21.680	40.226	0.810	0.690	1202.810	147.858
146.800	21.587	40.206	0.809	0.691	1202.809	147.633
147.000	21.495	40.186	0.809	0.691	1202.809	147.409
147.200	21.403	40.166	0.808	0.692	1202.808	147.184
147.400	21.311	40.146	0.807	0.693	1202.807	146.960
147.600	21.218	40.126	0.806	0.694	1202.806	146.735
147.800	21.126	40.106	0.806	0.694	1202.806	146.511
148.000	21.034	40.086	0.805	0.695	1202.805	146.287
148.200	20.942	40.066	0.804	0.696	1202.804	146.063
148.400	20.849	40.046	0.803	0.697	1202.803	145.839
148.600	20.757	40.026	0.803	0.697	1202.803	145.615
148.800	20.665	40.006	0.802	0.698	1202.802	145.391
149.000	20.573	39.986	0.801	0.699	1202.801	145.168
149.200	20.480	39.966	0.800	0.700	1202.800	144.944
149.400	20.388	39.946	0.800	0.700	1202.800	144.720
149.600	20.296	39.926	0.799	0.701	1202.799	144.497
149.800	20.204	39.906	0.798	0.702	1202.798	144.274
150.000	20.111	39.886	0.798	0.703	1202.798	144.050
150.200	20.019	39.866	0.797	0.703	1202.797	143.827
150.400	19.927	39.845	0.796	0.704	1202.796	143.604
150.600	19.835	39.825	0.795	0.705	1202.795	143.381
150.800	19.742	39.805	0.795	0.705	1202.795	143.158
151.000	19.650	39.785	0.794	0.706	1202.794	142.935
151.200	19.558	39.765	0.793	0.707	1202.793	142.712
151.400	19.466	39.745	0.792	0.708	1202.792	142.490
151.600	19.374	39.725	0.792	0.708	1202.792	142.267
151.800	19.281	39.705	0.791	0.709	1202.791	142.044
152.000	19.189	39.681	0.790	0.710	1202.790	141.821
152.200	19.097	39.657	0.789	0.711	1202.789	141.599
152.400	19.005	39.633	0.788	0.712	1202.788	141.377
152.600	18.912	39.609	0.787	0.713	1202.787	141.155
152.800	18.820	39.585	0.786	0.714	1202.786	140.933
153.000	18.728	39.561	0.785	0.715	1202.785	140.712
153.200	18.636	39.537	0.784	0.716	1202.784	140.491
153.400	18.543	39.513	0.784	0.716	1202.784	139.890
153.600	18.451	39.489	0.783	0.717	1202.783	139.625
153.800	18.359	39.465	0.782	0.718	1202.782	139.359
154.000	18.267	39.441	0.781	0.719	1202.781	139.093
154.200	18.174	39.417	0.780	0.720	1202.780	138.827
154.400	18.082	39.393	0.779	0.721	1202.779	138.562
154.600	17.990	39.369	0.778	0.722	1202.778	138.297
154.800	17.898	39.345	0.777	0.723	1202.777	138.032
155.000	17.805	39.321	0.776	0.724	1202.776	137.766
155.200	17.713	39.297	0.776	0.724	1202.776	137.502
155.400	17.621	39.273	0.775	0.725	1202.775	137.237
155.600	17.529	39.249	0.774	0.726	1202.774	136.972
155.800	17.436	39.225	0.773	0.727	1202.773	136.707
156.000	17.344	39.201	0.772	0.728	1202.772	136.443
156.200	17.252	39.177	0.771	0.729	1202.771	136.179
156.400	17.160	39.153	0.770	0.730	1202.770	135.914
156.600	17.063	39.129	0.769	0.731	1202.769	135.650
156.800	16.961	39.105	0.768	0.732	1202.768	135.386
157.000	16.860	39.081	0.768	0.732	1202.768	135.123
157.200	16.758	39.057	0.767	0.733	1202.767	134.859
157.400	16.657	39.033	0.766	0.734	1202.766	134.595
157.600	16.555	39.008	0.765	0.735	1202.765	134.332
157.800	16.454	38.984	0.764	0.736	1202.764	134.068
158.000	16.352	38.960	0.763	0.737	1202.763	133.805
158.200	16.251	38.936	0.762	0.738	1202.762	133.542
158.400	16.149	38.911	0.761	0.739	1202.761	133.279
158.600	16.048	38.885	0.760	0.740	1202.760	133.016
158.800	15.947	38.858	0.759	0.741	1202.759	132.753
159.000	15.845	38.831	0.759	0.741	1202.759	132.491
159.200	15.744	38.804	0.758	0.742	1202.758	132.228
159.400	15.642	38.777	0.757	0.743	1202.757	131.966
159.600	15.541	38.750	0.756	0.744	1202.756	131.704
159.800	15.439	38.723	0.755	0.745	1202.755	131.442
160.000	15.338	38.696	0.754	0.746	1202.754	131.180
160.200	15.236	38.670	0.753	0.747	1202.753	130.918
160.400	15.135	38.643	0.752	0.748	1202.752	130.656
160.600	15.033	38.616	0.751	0.749	1202.751	130.394
160.800	14.932	38.587	0.750	0.750	1202.750	130.089
161.000	14.830	38.555	0.749	0.751	1202.749	129.784
161.200	14.729	38.524	0.748	0.752	1202.748	129.479
161.400	14.627	38.493	0.747	0.753	1202.747	129.175
161.600	14.526	38.461	0.746	0.754	1202.746	128.870

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
161.800	14.424	38.430	0.745	0.755	1202.745	128.566
162.000	14.323	38.398	0.744	0.756	1202.744	128.262
162.200	14.221	38.367	0.743	0.757	1202.743	127.958
162.400	14.120	38.336	0.742	0.758	1202.742	127.654
162.600	14.019	38.304	0.741	0.759	1202.741	127.351
162.800	13.917	38.273	0.740	0.760	1202.740	127.047
163.000	13.816	38.242	0.739	0.761	1202.739	126.744
163.200	13.714	38.210	0.738	0.762	1202.738	126.441
163.400	13.613	38.179	0.737	0.763	1202.737	126.138
163.600	13.507	38.148	0.736	0.764	1202.736	125.835
163.800	13.396	38.116	0.735	0.765	1202.735	125.533
164.000	13.285	38.085	0.734	0.766	1202.734	125.230
164.200	13.174	38.054	0.733	0.767	1202.733	124.928
164.400	13.064	38.022	0.732	0.768	1202.732	124.626
164.600	12.911	37.991	0.731	0.769	1202.731	124.324
164.800	12.758	37.959	0.730	0.770	1202.730	124.022
165.000	12.605	37.928	0.729	0.771	1202.729	123.721
165.200	12.451	37.897	0.727	0.773	1202.727	123.419
165.400	12.298	37.865	0.726	0.774	1202.726	123.118
165.600	12.145	37.834	0.725	0.775	1202.725	122.817
165.800	11.992	37.803	0.724	0.776	1202.724	122.516
166.000	11.839	37.771	0.723	0.777	1202.723	122.215
166.200	11.686	37.740	0.722	0.778	1202.722	121.915
166.400	11.533	37.709	0.721	0.779	1202.721	121.614
166.600	11.380	37.677	0.720	0.780	1202.720	121.314
166.800	11.227	37.646	0.719	0.781	1202.719	121.014
167.000	11.074	37.615	0.718	0.782	1202.718	120.714
167.200	10.921	37.583	0.717	0.783	1202.717	120.414
167.400	10.767	37.552	0.716	0.784	1202.716	120.093
167.600	10.614	37.516	0.715	0.785	1202.715	119.751
167.800	10.461	37.480	0.714	0.786	1202.714	119.409
168.000	10.308	37.444	0.712	0.788	1202.712	119.067
168.200	10.155	37.408	0.711	0.789	1202.711	118.726
168.400	10.002	37.373	0.710	0.790	1202.710	118.384
168.600	9.849	37.337	0.709	0.791	1202.709	118.043
168.800	9.696	37.301	0.708	0.792	1202.708	117.702
169.000	9.543	37.265	0.706	0.794	1202.706	117.362
169.200	9.390	37.229	0.705	0.795	1202.705	117.021
169.400	9.237	37.193	0.704	0.796	1202.704	116.681
169.600	9.083	37.158	0.703	0.797	1202.703	116.341
169.800	8.930	37.122	0.702	0.798	1202.702	116.001
170.000	8.777	37.086	0.700	0.800	1202.700	115.662
170.200	8.624	37.050	0.699	0.801	1202.699	115.322
170.400	8.471	37.014	0.698	0.802	1202.698	114.983
170.600	8.318	36.978	0.697	0.803	1202.697	114.644
170.800	8.165	36.943	0.696	0.804	1202.696	114.306
171.000	8.012	36.907	0.695	0.805	1202.695	113.967
171.200	7.859	36.871	0.693	0.807	1202.693	113.629
171.400	7.706	36.835	0.692	0.808	1202.692	113.291
171.600	7.553	36.799	0.691	0.809	1202.691	112.953
171.800	7.399	36.763	0.690	0.810	1202.690	112.615
172.000	7.246	36.728	0.689	0.811	1202.689	112.278
172.200	7.093	36.692	0.687	0.813	1202.687	111.941
172.400	6.940	36.656	0.686	0.814	1202.686	111.604
172.600	6.787	36.620	0.685	0.815	1202.685	111.266
172.800	6.634	36.584	0.684	0.816	1202.684	110.928
173.000	6.481	36.549	0.682	0.818	1202.682	110.589
173.200	6.328	36.499	0.681	0.819	1202.681	110.251
173.400	6.175	36.459	0.680	0.820	1202.680	109.913
173.600	6.022	36.418	0.678	0.822	1202.678	109.575
173.800	5.869	36.378	0.677	0.823	1202.677	109.237
174.000	5.715	36.338	0.676	0.824	1202.676	108.900
174.200	5.562	36.297	0.674	0.826	1202.674	108.562
174.400	5.409	36.257	0.673	0.827	1202.673	108.225
174.600	5.256	36.217	0.672	0.828	1202.672	107.887
174.800	5.103	36.177	0.670	0.830	1202.670	107.550
175.000	4.950	36.136	0.669	0.831	1202.669	107.212
175.200	4.797	36.096	0.668	0.833	1202.668	106.875
175.400	4.644	36.056	0.666	0.834	1202.666	106.537
175.600	4.491	36.015	0.665	0.835	1202.665	106.200
175.800	4.338	35.975	0.663	0.837	1202.663	105.862
176.000	4.184	35.935	0.662	0.838	1202.662	105.525
176.200	4.031	35.894	0.661	0.839	1202.661	105.187
176.400	3.878	35.854	0.659	0.841	1202.659	104.850
176.600	3.725	35.814	0.658	0.842	1202.658	104.512
176.800	3.572	35.773	0.657	0.843	1202.657	104.175
177.000	3.419	35.733	0.655	0.845	1202.655	103.837
177.200	3.266	35.693	0.654	0.846	1202.654	103.500
177.400	3.119	35.652	0.653	0.847	1202.653	103.162
177.600	2.979	35.612	0.651	0.849	1202.651	102.825
177.800	2.839	35.572	0.650	0.850	1202.650	102.487
178.000	2.698	35.527	0.649	0.851	1202.649	102.150
178.200	2.558	35.482	0.647	0.853	1202.647	101.812

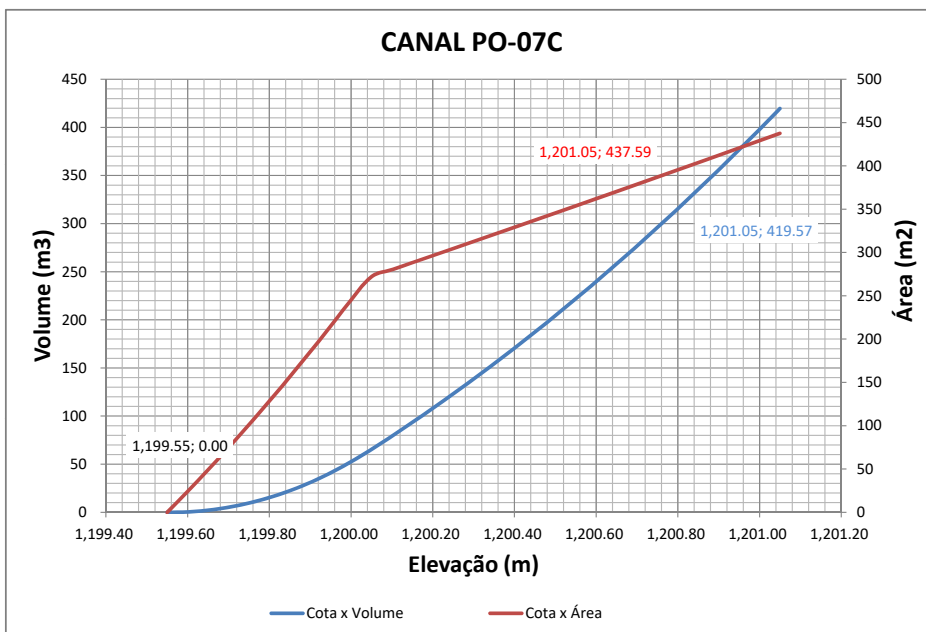
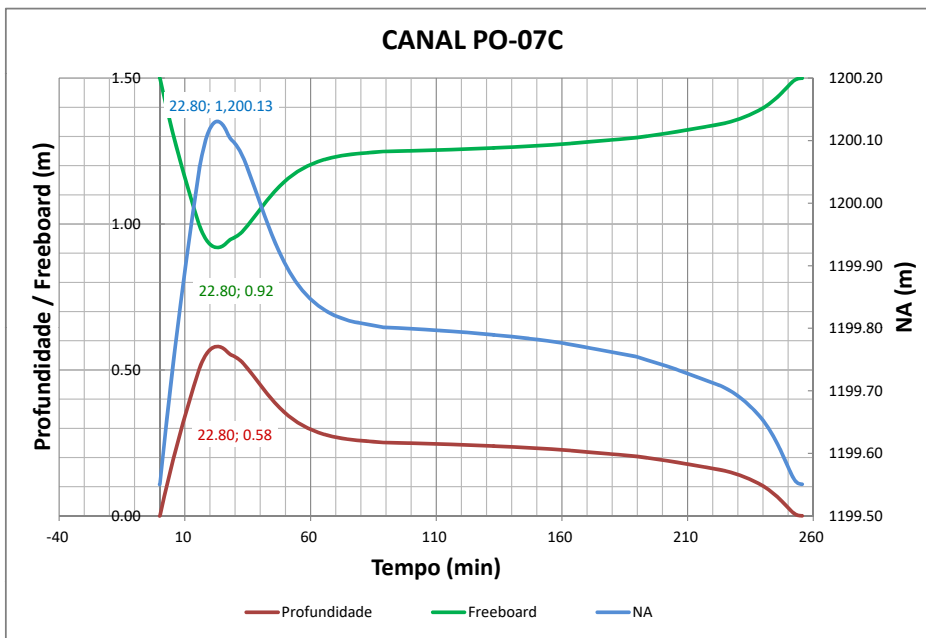
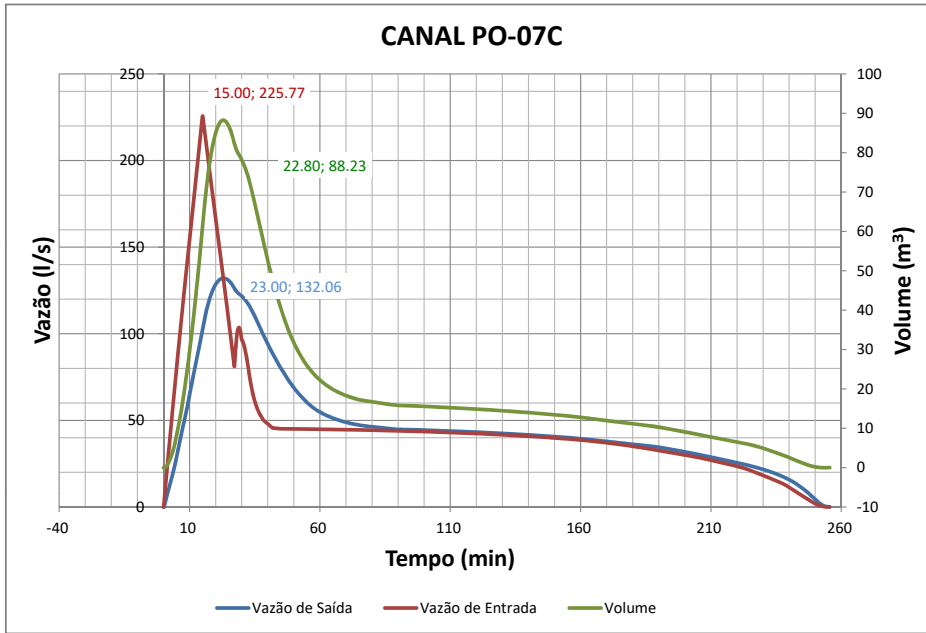
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
178.400	2.418	35.437	0.646	0.854	1202.646	100.235
178.600	2.277	35.393	0.644	0.856	1202.644	99.823
178.800	2.143	35.348	0.643	0.857	1202.643	99.412
179.000	2.016	35.303	0.641	0.859	1202.641	99.001
179.200	1.888	35.258	0.640	0.860	1202.640	98.590
179.400	1.761	35.213	0.638	0.862	1202.638	98.180
179.600	1.633	35.169	0.637	0.863	1202.637	97.770
179.800	1.512	35.124	0.635	0.865	1202.635	97.360
180.000	1.397	35.079	0.634	0.866	1202.634	96.951
180.200	1.282	35.034	0.632	0.868	1202.632	96.542
180.400	1.167	34.989	0.631	0.869	1202.631	96.133
180.600	1.065	34.945	0.629	0.871	1202.629	95.725
180.800	0.963	34.900	0.628	0.872	1202.628	95.317
181.000	0.861	34.855	0.626	0.874	1202.626	94.909
181.200	0.772	34.810	0.625	0.875	1202.625	94.502
181.400	0.683	34.765	0.623	0.877	1202.623	94.095
181.600	0.600	34.721	0.622	0.878	1202.622	93.688
181.800	0.523	34.676	0.620	0.880	1202.620	93.282
182.000	0.453	34.631	0.619	0.881	1202.619	92.876
182.200	0.389	34.586	0.617	0.883	1202.617	92.471
182.400	0.332	34.541	0.616	0.884	1202.616	92.065
182.600	0.281	34.497	0.614	0.886	1202.614	91.661
182.800	0.236	34.452	0.613	0.887	1202.613	91.256
183.000	0.198	34.407	0.611	0.889	1202.611	90.852
183.200	0.159	34.362	0.610	0.890	1202.610	90.448
183.400	0.134	34.315	0.608	0.892	1202.608	90.044
183.600	0.108	34.263	0.607	0.893	1202.607	89.641
183.800	0.089	34.211	0.605	0.895	1202.605	89.238
184.000	0.077	34.160	0.604	0.896	1202.604	88.836
184.200	0.064	34.108	0.602	0.898	1202.602	88.433
184.400	0.051	34.056	0.601	0.899	1202.601	88.032
184.600	0.038	34.004	0.599	0.901	1202.599	87.630
184.800	0.026	33.952	0.598	0.902	1202.598	87.229
185.000	0.026	33.901	0.596	0.904	1202.596	86.828
185.200	0.026	33.849	0.595	0.905	1202.595	86.427
185.400	0.026	33.797	0.593	0.907	1202.593	86.027
185.600	0.026	33.745	0.592	0.908	1202.592	85.627
185.800	0.026	33.694	0.590	0.910	1202.590	85.228
186.000	0.026	33.642	0.589	0.911	1202.589	84.829
186.200	0.026	33.590	0.588	0.912	1202.588	84.430
186.400	0.026	33.538	0.586	0.914	1202.586	84.031
186.600	0.026	33.486	0.585	0.915	1202.585	83.633
186.800	0.026	33.435	0.583	0.917	1202.583	83.235
187.000	0.026	33.383	0.582	0.918	1202.582	82.838
187.200	0.026	33.331	0.580	0.920	1202.580	82.441
187.400	0.026	33.279	0.579	0.921	1202.579	82.044
187.600	0.026	33.227	0.577	0.923	1202.577	81.647
187.800	0.026	33.176	0.576	0.924	1202.576	81.251
188.000	0.026	33.124	0.574	0.926	1202.574	80.856
188.200	0.026	33.072	0.573	0.927	1202.573	80.460
188.400	0.026	33.020	0.571	0.929	1202.571	80.065
188.600	0.026	32.968	0.570	0.930	1202.570	79.670
188.800	0.026	32.917	0.568	0.932	1202.568	79.276
189.000	0.026	32.865	0.567	0.933	1202.567	78.882
189.200	0.026	32.813	0.565	0.935	1202.565	78.488
189.400	0.026	32.761	0.564	0.936	1202.564	78.094
189.600	0.026	32.709	0.562	0.938	1202.562	77.701
189.800	0.026	32.658	0.561	0.939	1202.561	77.308
190.000	0.026	32.606	0.559	0.941	1202.559	76.916
190.200	0.026	32.554	0.558	0.942	1202.558	76.524
190.400	0.026	32.502	0.556	0.944	1202.556	76.132
190.600	0.026	32.451	0.555	0.945	1202.555	75.741
190.800	0.026	32.399	0.553	0.947	1202.553	75.350
191.000	0.026	32.347	0.552	0.948	1202.552	74.959
191.200	0.026	32.295	0.550	0.950	1202.550	74.568
191.400	0.026	32.243	0.549	0.951	1202.549	74.178
191.600	0.026	32.192	0.547	0.953	1202.547	73.789
191.800	0.026	32.140	0.546	0.954	1202.546	73.399
192.000	0.026	32.088	0.544	0.956	1202.544	73.010
192.200	0.026	32.036	0.543	0.957	1202.543	72.621
192.400	0.026	31.984	0.541	0.959	1202.541	72.233
192.600	0.026	31.933	0.540	0.960	1202.540	71.845
192.800	0.026	31.881	0.538	0.962	1202.538	71.457
193.000	0.026	31.829	0.537	0.963	1202.537	71.070
193.200	0.026	31.777	0.535	0.965	1202.535	70.683
193.400	0.026	31.725	0.534	0.966	1202.534	70.296
193.600	0.026	31.674	0.532	0.968	1202.532	69.910
193.800	0.026	31.622	0.531	0.969	1202.531	69.524
194.000	0.026	31.570	0.529	0.971	1202.529	69.138
194.200	0.026	31.518	0.528	0.972	1202.528	68.752
194.400	0.026	31.467	0.526	0.974	1202.526	68.367
194.600	0.026	31.415	0.525	0.975	1202.525	67.983
194.800	0.026	31.363	0.524	0.976	1202.524	67.598

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
195.000	0.026	31.311	0.522	0.978	1202.522	67.214
195.200	0.026	31.259	0.521	0.979	1202.521	66.831
195.400	0.026	31.208	0.519	0.981	1202.519	66.447
195.600	0.026	31.156	0.518	0.982	1202.518	66.064
195.800	0.026	31.104	0.516	0.984	1202.516	65.682
196.000	0.026	31.052	0.515	0.985	1202.515	65.299
196.200	0.026	31.000	0.513	0.987	1202.513	64.917
196.400	0.026	30.949	0.512	0.988	1202.512	64.536
196.600	0.026	30.897	0.510	0.990	1202.510	64.154
196.800	0.026	30.845	0.509	0.991	1202.509	63.773
197.000	0.026	30.793	0.507	0.993	1202.507	63.393
197.200	0.026	30.741	0.506	0.994	1202.506	63.012
197.400	0.026	30.690	0.504	0.996	1202.504	62.632
197.600	0.026	30.638	0.503	0.997	1202.503	62.253
197.800	0.026	30.586	0.501	0.999	1202.501	61.873
198.000	0.026	30.534	0.500	1.000	1202.500	61.494
198.200	0.026	30.483	0.498	1.002	1202.498	61.116
198.400	0.026	30.431	0.497	1.003	1202.497	60.739
198.600	0.026	30.379	0.495	1.005	1202.495	60.363
198.800	0.026	30.327	0.494	1.006	1202.494	59.988
199.000	0.026	30.275	0.492	1.008	1202.492	59.615
199.200	0.026	30.224	0.491	1.009	1202.491	59.242
199.400	0.026	30.172	0.489	1.011	1202.489	58.871
199.600	0.026	30.120	0.488	1.012	1202.488	58.500
199.800	0.026	30.068	0.486	1.014	1202.486	58.131
200.000	0.026	30.016	0.485	1.015	1202.485	57.763
200.200	0.026	29.965	0.483	1.017	1202.483	57.396
200.400	0.026	29.913	0.482	1.018	1202.482	57.030
200.600	0.026	29.861	0.480	1.020	1202.480	56.665
200.800	0.026	29.809	0.479	1.021	1202.479	56.301
201.000	0.026	29.757	0.477	1.023	1202.477	55.938
201.200	0.026	29.706	0.476	1.024	1202.476	55.577
201.400	0.026	29.654	0.474	1.026	1202.474	55.216
201.600	0.026	29.602	0.473	1.027	1202.473	54.857
201.800	0.026	29.550	0.471	1.029	1202.471	54.498
202.000	0.026	29.499	0.470	1.030	1202.470	54.141
202.200	0.026	29.447	0.468	1.032	1202.468	53.785
202.400	0.026	29.395	0.467	1.033	1202.467	53.430
202.600	0.026	29.343	0.465	1.035	1202.465	53.076
202.800	0.026	29.291	0.464	1.036	1202.464	52.723
203.000	0.026	29.240	0.462	1.038	1202.462	52.372
203.200	0.026	29.188	0.461	1.039	1202.461	52.021
203.400	0.026	29.136	0.460	1.040	1202.460	51.672
203.600	0.026	29.084	0.458	1.042	1202.458	51.323
203.800	0.026	29.032	0.457	1.043	1202.457	50.976
204.000	0.026	28.969	0.455	1.045	1202.455	50.630
204.200	0.026	28.906	0.454	1.046	1202.454	50.285
204.400	0.026	28.842	0.452	1.048	1202.452	49.941
204.600	0.026	28.778	0.451	1.049	1202.451	49.598
204.800	0.026	28.715	0.449	1.051	1202.449	49.256
205.000	0.026	28.651	0.448	1.052	1202.448	48.916
205.200	0.026	28.587	0.446	1.054	1202.446	48.576
205.400	0.026	28.524	0.445	1.055	1202.445	48.238
205.600	0.026	28.460	0.443	1.057	1202.443	47.902
205.800	0.026	28.396	0.442	1.058	1202.442	47.566
206.000	0.026	28.333	0.440	1.060	1202.440	47.232
206.200	0.026	28.269	0.439	1.061	1202.439	46.899
206.400	0.026	28.205	0.437	1.063	1202.437	46.567
206.600	0.026	28.142	0.436	1.064	1202.436	46.237
206.800	0.026	28.078	0.434	1.066	1202.434	45.908
207.000	0.026	28.014	0.433	1.067	1202.433	45.580
207.200	0.026	27.951	0.431	1.069	1202.431	45.253
207.400	0.026	27.887	0.430	1.070	1202.430	44.928
207.600	0.026	27.823	0.428	1.072	1202.428	44.604
207.800	0.026	27.760	0.427	1.073	1202.427	44.281
208.000	0.026	27.696	0.425	1.075	1202.425	43.959
208.200	0.026	27.632	0.424	1.076	1202.424	43.639
208.400	0.026	27.569	0.422	1.078	1202.422	43.320
208.600	0.026	27.505	0.421	1.079	1202.421	43.002
208.800	0.026	27.441	0.419	1.081	1202.419	42.686
209.000	0.026	27.378	0.418	1.082	1202.418	42.370
209.200	0.026	27.314	0.416	1.084	1202.416	42.056
209.400	0.026	27.250	0.415	1.085	1202.415	41.744
209.600	0.026	27.187	0.413	1.087	1202.413	41.432
209.800	0.026	27.123	0.412	1.088	1202.412	41.122
210.000	0.026	27.059	0.410	1.090	1202.410	40.813
210.200	0.026	26.992	0.409	1.091	1202.409	40.507
210.400	0.026	26.922	0.407	1.093	1202.407	40.203
210.600	0.026	26.852	0.405	1.095	1202.405	39.902
210.800	0.026	26.782	0.404	1.096	1202.404	39.603
211.000	0.026	26.712	0.402	1.098	1202.402	39.306
211.200	0.026	26.642	0.401	1.099	1202.401	39.011
211.400	0.026	26.572	0.399	1.101	1202.399	38.718

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
211.600	0.026	26.502	0.397	1.103	1202.397	38.149
211.800	0.026	26.432	0.396	1.104	1202.396	37.822
212.000	0.026	26.362	0.394	1.106	1202.394	37.498
212.200	0.026	26.292	0.392	1.108	1202.392	37.174
212.400	0.026	26.222	0.391	1.109	1202.391	36.853
212.600	0.026	26.152	0.389	1.111	1202.389	36.532
212.800	0.026	26.082	0.387	1.113	1202.387	36.213
213.000	0.026	26.012	0.386	1.114	1202.386	35.896
213.200	0.026	25.942	0.384	1.116	1202.384	35.580
213.400	0.026	25.872	0.383	1.117	1202.383	35.266
213.600	0.026	25.802	0.381	1.119	1202.381	34.953
213.800	0.026	25.732	0.379	1.121	1202.379	34.642
214.000	0.026	25.662	0.378	1.122	1202.378	34.332
214.200	0.026	25.592	0.376	1.124	1202.376	34.023
214.400	0.026	25.522	0.374	1.126	1202.374	33.716
214.600	0.026	25.452	0.373	1.127	1202.373	33.411
214.800	0.026	25.381	0.371	1.129	1202.371	33.107
215.000	0.026	25.311	0.369	1.131	1202.369	32.805
215.200	0.026	25.241	0.368	1.132	1202.368	32.504
215.400	0.026	25.171	0.366	1.134	1202.366	32.204
215.600	0.026	25.101	0.365	1.135	1202.365	31.906
215.800	0.026	25.031	0.363	1.137	1202.363	31.610
216.000	0.026	24.961	0.361	1.139	1202.361	31.315
216.200	0.026	24.891	0.360	1.140	1202.360	31.021
216.400	0.026	24.821	0.358	1.142	1202.358	30.729
216.600	0.026	24.751	0.356	1.144	1202.356	30.439
216.800	0.026	24.681	0.355	1.145	1202.355	30.150
217.000	0.026	24.611	0.353	1.147	1202.353	29.862
217.200	0.026	24.541	0.351	1.149	1202.351	29.576
217.400	0.026	24.471	0.350	1.150	1202.350	29.291
217.600	0.026	24.401	0.348	1.152	1202.348	29.008
217.800	0.026	24.331	0.347	1.153	1202.347	28.726
218.000	0.026	24.261	0.345	1.155	1202.345	28.446
218.200	0.026	24.191	0.343	1.157	1202.343	28.167
218.400	0.026	24.121	0.342	1.158	1202.342	27.890
218.600	0.026	24.051	0.340	1.160	1202.340	27.614
218.800	0.026	23.978	0.338	1.162	1202.338	27.341
219.000	0.026	23.901	0.336	1.164	1202.336	27.071
219.200	0.026	23.825	0.335	1.165	1202.335	26.804
219.400	0.026	23.748	0.333	1.167	1202.333	26.541
219.600	0.026	23.672	0.331	1.169	1202.331	26.281
219.800	0.026	23.595	0.329	1.171	1202.329	26.024
220.000	0.026	23.519	0.328	1.173	1202.328	25.771
220.200	0.026	23.443	0.326	1.174	1202.326	25.521
220.400	0.026	23.366	0.324	1.176	1202.324	25.274
220.600	0.026	23.290	0.322	1.178	1202.322	25.031
220.800	0.026	23.213	0.320	1.180	1202.320	24.791
221.000	0.026	23.137	0.319	1.181	1202.319	24.554
221.200	0.026	23.061	0.317	1.183	1202.317	24.321
221.400	0.026	22.984	0.315	1.185	1202.315	24.091
221.600	0.026	22.908	0.313	1.187	1202.313	23.864
221.800	0.026	22.831	0.311	1.189	1202.311	23.641
222.000	0.026	22.755	0.310	1.190	1202.310	23.421
222.200	0.026	22.679	0.308	1.192	1202.308	23.204
222.400	0.026	22.602	0.306	1.194	1202.306	22.991
222.600	0.026	22.526	0.304	1.196	1202.304	22.781
222.800	0.026	22.422	0.303	1.198	1202.303	22.574
223.000	0.026	22.312	0.301	1.199	1202.301	22.371
223.200	0.026	22.201	0.299	1.201	1202.299	22.171
223.400	0.026	22.090	0.297	1.203	1202.297	21.974
223.600	0.026	21.979	0.295	1.205	1202.295	21.781
223.800	0.026	21.869	0.294	1.206	1202.294	21.591
224.000	0.026	21.758	0.292	1.208	1202.292	21.404
224.200	0.026	21.647	0.290	1.210	1202.290	21.221
224.400	0.026	21.537	0.288	1.212	1202.288	21.041
224.600	0.026	21.426	0.286	1.214	1202.286	20.864
224.800	0.026	21.315	0.285	1.215	1202.285	20.691
225.000	0.026	21.205	0.283	1.217	1202.283	20.521
225.200	0.026	21.094	0.281	1.219	1202.281	20.354
225.400	0.026	20.983	0.279	1.221	1202.279	20.191
225.600	0.026	20.873	0.278	1.223	1202.278	20.031
225.800	0.026	20.762	0.276	1.224	1202.276	19.874
226.000	0.026	20.651	0.274	1.226	1202.274	19.721
226.200	0.026	20.540	0.272	1.228	1202.272	19.571
226.400	0.026	20.421	0.270	1.230	1202.270	19.424
226.600	0.026	20.301	0.268	1.232	1202.268	19.281
226.800	0.026	20.181	0.266	1.234	1202.266	19.141
227.000	0.026	20.061	0.264	1.236	1202.264	19.004
227.200	0.026	19.941	0.262	1.238	1202.262	18.871
227.400	0.026	19.821	0.260	1.240	1202.260	18.741
227.600	0.026	19.701	0.259	1.241	1202.259	18.614
227.800	0.026	19.581	0.257	1.243	1202.257	18.491
228.000	0.026	19.461	0.255	1.245	1202.255	18.371

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
228.200	0.026	19.341	0.253	1.247	1202.253	14.984
228.400	0.026	19.221	0.251	1.249	1202.251	14.750
228.600	0.026	19.101	0.249	1.251	1202.249	14.517
228.800	0.026	18.981	0.247	1.253	1202.247	14.287
229.000	0.026	18.862	0.245	1.255	1202.245	14.058
229.200	0.026	18.742	0.243	1.257	1202.243	13.831
229.400	0.026	18.622	0.241	1.259	1202.241	13.607
229.600	0.026	18.502	0.239	1.261	1202.239	13.384
229.800	0.026	18.382	0.237	1.263	1202.237	13.163
230.000	0.026	18.262	0.235	1.265	1202.235	12.944
230.200	0.026	18.142	0.233	1.267	1202.233	12.727
230.400	0.026	18.022	0.231	1.269	1202.231	12.512
230.600	0.026	17.902	0.230	1.271	1202.230	12.298
230.800	0.026	17.782	0.228	1.272	1202.228	12.087
231.000	0.026	17.662	0.226	1.274	1202.226	11.878
231.200	0.026	17.542	0.224	1.276	1202.224	11.670
231.400	0.026	17.422	0.222	1.278	1202.222	11.464
231.600	0.026	17.303	0.220	1.280	1202.220	11.261
231.800	0.026	17.183	0.218	1.282	1202.218	11.059
232.000	0.026	17.063	0.216	1.284	1202.216	10.859
232.200	0.026	16.943	0.214	1.286	1202.214	10.661
232.400	0.026	16.823	0.212	1.288	1202.212	10.465
232.600	0.026	16.703	0.210	1.290	1202.210	10.271
232.800	0.026	16.583	0.208	1.292	1202.208	10.078
233.000	0.026	16.463	0.206	1.294	1202.206	9.888
233.200	0.026	16.343	0.204	1.296	1202.204	9.692
233.400	0.026	16.214	0.202	1.298	1202.202	9.492
233.600	0.026	16.085	0.200	1.300	1202.200	9.293
233.800	0.026	15.956	0.198	1.302	1202.198	9.097
234.000	0.026	15.827	0.196	1.304	1202.196	8.903
234.200	0.026	15.697	0.194	1.306	1202.194	8.711
234.400	0.026	15.568	0.192	1.308	1202.192	8.521
234.600	0.026	15.439	0.190	1.310	1202.190	8.333
234.800	0.026	15.310	0.188	1.312	1202.188	8.148
235.000	0.026	15.181	0.186	1.314	1202.186	7.964
235.200	0.026	15.052	0.183	1.317	1202.183	7.783
235.400	0.026	14.923	0.181	1.319	1202.181	7.604
235.600	0.026	14.793	0.179	1.321	1202.179	7.427
235.800	0.026	14.664	0.177	1.323	1202.177	7.252
236.000	0.026	14.535	0.175	1.325	1202.175	7.079
236.200	0.026	14.406	0.173	1.327	1202.173	6.909
236.400	0.026	14.277	0.171	1.329	1202.171	6.741
236.600	0.026	14.148	0.169	1.331	1202.169	6.574
236.800	0.026	14.019	0.167	1.333	1202.167	6.410
237.000	0.026	13.889	0.165	1.335	1202.165	6.249
237.200	0.026	13.760	0.163	1.337	1202.163	6.089
237.400	0.026	13.631	0.160	1.340	1202.160	5.926
237.600	0.026	13.493	0.158	1.342	1202.158	5.759
237.800	0.026	13.354	0.156	1.344	1202.156	5.595
238.000	0.026	13.216	0.154	1.346	1202.154	5.434
238.200	0.026	13.078	0.152	1.348	1202.152	5.275
238.400	0.026	12.892	0.149	1.351	1202.149	5.118
238.600	0.026	12.700	0.147	1.353	1202.147	4.964
238.800	0.026	12.509	0.145	1.355	1202.145	4.813
239.000	0.026	12.317	0.143	1.357	1202.143	4.663
239.200	0.026	12.126	0.140	1.360	1202.140	4.517
239.400	0.026	11.935	0.138	1.362	1202.138	4.372
239.600	0.026	11.743	0.136	1.364	1202.136	4.230
239.800	0.026	11.552	0.134	1.366	1202.134	4.090
240.000	0.026	11.361	0.131	1.369	1202.131	3.953
240.200	0.026	11.169	0.129	1.371	1202.129	3.818
240.400	0.026	10.978	0.127	1.373	1202.127	3.686
240.600	0.026	10.787	0.125	1.375	1202.125	3.555
240.800	0.026	10.595	0.122	1.378	1202.122	3.428
241.000	0.026	10.404	0.120	1.380	1202.120	3.302
241.200	0.026	10.212	0.118	1.382	1202.118	3.179
241.400	0.026	10.021	0.116	1.384	1202.116	3.059
241.600	0.026	9.830	0.114	1.386	1202.114	2.941
241.800	0.026	9.638	0.111	1.389	1202.111	2.825
242.000	0.026	9.447	0.109	1.391	1202.109	2.712
242.200	0.026	9.256	0.107	1.393	1202.107	2.601
242.400	0.026	9.064	0.105	1.395	1202.105	2.492
242.600	0.026	8.873	0.102	1.398	1202.102	2.386
242.800	0.026	8.682	0.100	1.400	1202.100	2.282
243.000	0.026	8.490	0.098	1.402	1202.098	2.181
243.200	0.026	8.299	0.096	1.404	1202.096	2.082
243.400	0.026	8.107	0.093	1.407	1202.093	1.985
243.600	0.026	7.916	0.091	1.409	1202.091	1.891
243.800	0.026	7.725	0.089	1.411	1202.089	1.799
244.000	0.026	7.533	0.087	1.413	1202.087	1.709
244.200	0.026	7.342	0.085	1.415	1202.085	1.621
244.400	0.026	7.151	0.082	1.418	1202.082	1.536
244.600	0.026	6.959	0.080	1.420	1202.080	1.453

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
244.800	0.026	6.768	0.078	1.422	1202.078	1.373
245.000	0.026	6.577	0.076	1.424	1202.076	1.295
245.200	0.026	6.385	0.073	1.427	1202.073	1.219
245.400	0.026	6.194	0.071	1.429	1202.071	1.145
245.600	0.026	6.002	0.069	1.431	1202.069	1.074
245.800	0.026	5.811	0.067	1.433	1202.067	1.005
246.000	0.026	5.620	0.064	1.436	1202.064	0.939
246.200	0.026	5.428	0.062	1.438	1202.062	0.874
246.400	0.026	5.237	0.060	1.440	1202.060	0.813
246.600	0.026	5.046	0.058	1.442	1202.058	0.753
246.800	0.026	4.854	0.056	1.444	1202.056	0.696
247.000	0.026	4.663	0.053	1.447	1202.053	0.641
247.200	0.026	4.472	0.051	1.449	1202.051	0.588
247.400	0.026	4.280	0.049	1.451	1202.049	0.538
247.600	0.026	4.089	0.047	1.453	1202.047	0.490
247.800	0.026	3.897	0.044	1.456	1202.044	0.444
248.000	0.026	3.706	0.042	1.458	1202.042	0.400
248.200	0.026	3.515	0.040	1.460	1202.040	0.359
248.400	0.026	3.330	0.038	1.462	1202.038	0.323
248.600	0.026	3.151	0.036	1.464	1202.036	0.288
248.800	0.026	2.973	0.034	1.466	1202.034	0.255
249.000	0.026	2.794	0.032	1.468	1202.032	0.225
249.200	0.026	2.615	0.030	1.470	1202.030	0.197
249.400	0.026	2.449	0.028	1.472	1202.028	0.172
249.600	0.026	2.284	0.026	1.474	1202.026	0.149
249.800	0.026	2.118	0.024	1.476	1202.024	0.128
250.000	0.026	1.965	0.022	1.478	1202.022	0.110
250.200	0.026	1.812	0.020	1.480	1202.020	0.093
250.400	0.026	1.658	0.019	1.481	1202.019	0.078
250.600	0.026	1.518	0.017	1.483	1202.017	0.064
250.800	0.026	1.378	0.015	1.485	1202.015	0.053
251.000	0.026	1.250	0.014	1.486	1202.014	0.043
251.200	0.026	1.123	0.012	1.488	1202.012	0.035
251.400	0.026	1.008	0.011	1.489	1202.011	0.028
251.600	0.026	0.893	0.010	1.490	1202.010	0.022
251.800	0.026	0.791	0.009	1.491	1202.009	0.017
252.000	0.026	0.695	0.008	1.492	1202.008	0.013
252.200	0.026	0.606	0.007	1.493	1202.007	0.010
252.400	0.026	0.523	0.006	1.494	1202.006	0.007
252.600	0.026	0.447	0.005	1.495	1202.005	0.005
252.800	0.026	0.383	0.004	1.496	1202.004	0.004
253.000	0.026	0.325	0.004	1.496	1202.004	0.003
253.200	0.026	0.274	0.003	1.497	1202.003	0.002
253.400	0.026	0.236	0.003	1.497	1202.003	0.001
253.600	0.026	0.198	0.002	1.498	1202.002	0.001
253.800	0.026	0.166	0.002	1.498	1202.002	0.001
254.000	0.026	0.140	0.002	1.499	1202.002	0.001
254.200	0.026	0.115	0.001	1.499	1202.001	0.000
254.400	0.026	0.102	0.001	1.499	1202.001	0.000
254.600	0.026	0.089	0.001	1.499	1202.001	0.000
254.800	0.026	0.077	0.001	1.499	1202.001	0.000
255.000	0.026	0.064	0.001	1.499	1202.001	0.000
255.200	0.026	0.051	0.001	1.499	1202.001	0.000
255.400	0.026	0.051	0.001	1.499	1202.001	0.000
255.600	0.026	0.051	0.001	1.499	1202.001	0.000



CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	225.770	1201.050			
VAZÃO DE SAÍDA MAX. (l/s)	23.00	132.058	1199.550			
PROFUNDIDADE MAX. (m)	22.80	0.581	1200.550			
FREEBOARD MIN. (m)	22.80	0.919	1199.550			
NA MAX. (m)	22.80	1,200.131	15.00			
VOLUME MAX (m³)	22.80	88.23	400.00			
VOLUME TOTAL (m³)		419.57	150.00			
PROFUNDIDADE TOTAL. (m)		1.50	1.660			
			0.130			
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1199.550	0.000
0.200	2.637	0.000	0.003	1.497	1199.553	0.002
0.400	5.675	0.932	0.010	1.490	1199.560	0.022
0.600	8.931	2.034	0.017	1.483	1199.567	0.071
0.800	12.237	3.204	0.025	1.475	1199.575	0.150
1.000	15.563	4.409	0.033	1.467	1199.583	0.259
1.200	18.901	5.625	0.041	1.459	1199.591	0.402
1.400	22.240	6.852	0.049	1.451	1199.599	0.576
1.600	25.572	8.079	0.057	1.443	1199.607	0.779
1.800	28.885	9.284	0.065	1.435	1199.615	1.009
2.000	32.178	10.454	0.072	1.428	1199.622	1.262
2.200	35.466	11.613	0.080	1.420	1199.630	1.543
2.400	38.740	12.761	0.087	1.413	1199.637	1.846
2.600	42.015	13.897	0.095	1.405	1199.645	2.177
2.800	45.290	15.034	0.102	1.398	1199.652	2.536
3.000	48.551	16.159	0.109	1.391	1199.659	2.915
3.200	51.813	17.272	0.117	1.383	1199.667	3.321
3.400	55.069	18.386	0.124	1.376	1199.674	3.754
3.600	58.318	19.500	0.131	1.369	1199.681	4.215
3.800	61.567	20.613	0.139	1.361	1199.689	4.703
4.000	64.726	21.715	0.146	1.354	1199.696	5.208
4.200	67.778	22.806	0.153	1.347	1199.703	5.738
4.400	70.831	24.163	0.160	1.340	1199.710	6.296
4.600	73.883	25.701	0.167	1.333	1199.717	6.868
4.800	76.936	27.224	0.174	1.326	1199.724	7.460
5.000	79.989	28.713	0.181	1.319	1199.731	8.070
5.200	83.041	30.203	0.188	1.312	1199.738	8.698
5.400	86.094	31.661	0.194	1.306	1199.744	9.343
5.600	89.142	33.118	0.201	1.299	1199.751	10.012
5.800	92.185	34.576	0.208	1.292	1199.758	10.697
6.000	95.229	36.001	0.214	1.286	1199.764	11.398
6.200	98.272	37.426	0.221	1.279	1199.771	12.122
6.400	101.315	38.851	0.227	1.273	1199.777	12.869
6.600	104.359	40.276	0.234	1.266	1199.784	13.632
6.800	107.402	41.669	0.240	1.260	1199.790	14.407
7.000	110.446	43.061	0.247	1.253	1199.797	15.205
7.200	113.480	44.454	0.253	1.247	1199.803	16.026
7.400	116.514	45.847	0.259	1.241	1199.809	16.869
7.600	119.548	47.240	0.266	1.234	1199.816	17.735
7.800	122.582	48.632	0.272	1.228	1199.822	18.625
8.000	125.558	50.009	0.278	1.222	1199.828	19.515
8.200	128.449	51.369	0.285	1.215	1199.835	20.428
8.400	131.341	52.729	0.291	1.209	1199.841	21.363
8.600	134.232	54.090	0.297	1.203	1199.847	22.319
8.800	137.123	55.450	0.303	1.197	1199.853	23.298
9.000	140.011	56.878	0.310	1.190	1199.860	24.299
9.200	142.896	58.469	0.316	1.184	1199.866	25.298
9.400	145.781	60.039	0.322	1.178	1199.872	26.318
9.600	148.666	61.610	0.328	1.172	1199.878	27.360
9.800	151.551	63.181	0.334	1.166	1199.884	28.423
10.000	154.436	64.733	0.340	1.160	1199.890	29.481
10.200	157.321	66.266	0.346	1.154	1199.896	30.559
10.400	160.206	67.798	0.352	1.148	1199.902	31.658
10.600	163.091	69.331	0.358	1.142	1199.908	32.778
10.800	165.976	70.863	0.364	1.136	1199.914	33.919
11.000	168.860	72.396	0.370	1.130	1199.920	35.081
11.200	171.745	73.929	0.376	1.124	1199.926	36.249
11.400	174.630	75.423	0.381	1.119	1199.931	37.422
11.600	177.512	76.917	0.387	1.113	1199.937	38.615
11.800	180.391	78.412	0.393	1.107	1199.943	39.828
12.000	183.269	79.906	0.399	1.101	1199.949	41.061
12.200	186.116	81.400	0.405	1.095	1199.955	42.314
12.400	188.940	82.894	0.410	1.090	1199.960	43.588
12.600	191.767	84.389	0.416	1.084	1199.966	44.882
12.800	194.594	85.883	0.422	1.078	1199.972	46.180
13.000	197.420	87.339	0.428	1.072	1199.978	47.481
13.200	200.247	88.795	0.433	1.067	1199.983	48.801

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
13.400	203.074	90.251	0.439	1.061	1199.989	50.140
13.600	205.901	91.707	0.445	1.055	1199.995	51.499
13.800	208.732	93.163	0.450	1.050	1200.000	52.877
14.000	211.564	94.619	0.456	1.044	1200.006	54.274
14.200	214.401	96.133	0.462	1.038	1200.012	55.687
14.400	217.239	97.799	0.467	1.033	1200.017	57.118
14.600	220.081	99.465	0.473	1.027	1200.023	58.566
14.800	222.923	101.130	0.479	1.021	1200.029	60.031
15.000	225.770	102.796	0.484	1.016	1200.034	61.514
15.200	223.472	104.440	0.490	1.010	1200.040	62.954
15.400	221.171	106.018	0.495	1.005	1200.045	64.369
15.600	218.865	107.531	0.500	1.000	1200.050	65.719
15.800	216.554	108.977	0.505	0.995	1200.055	67.037
16.000	214.237	110.358	0.509	0.991	1200.059	68.297
16.200	211.911	111.695	0.514	0.986	1200.064	69.520
16.400	209.553	112.989	0.518	0.982	1200.068	70.706
16.600	207.191	114.238	0.522	0.978	1200.072	71.833
16.800	204.826	115.422	0.526	0.974	1200.076	72.921
17.000	202.457	116.561	0.530	0.970	1200.080	73.971
17.200	200.085	117.657	0.534	0.966	1200.084	74.982
17.400	197.710	118.709	0.537	0.963	1200.087	75.954
17.600	195.329	119.718	0.540	0.960	1200.090	76.886
17.800	192.947	120.682	0.544	0.956	1200.094	77.778
18.000	190.560	121.603	0.547	0.953	1200.097	78.631
18.200	188.171	122.480	0.550	0.950	1200.100	79.443
18.400	185.777	123.312	0.552	0.948	1200.102	80.215
18.600	183.379	124.102	0.555	0.945	1200.105	80.946
18.800	180.978	124.847	0.557	0.943	1200.107	81.636
19.000	178.575	125.548	0.560	0.940	1200.110	82.286
19.200	176.168	126.206	0.562	0.938	1200.112	82.894
19.400	173.763	126.820	0.564	0.936	1200.114	83.482
19.600	171.369	127.411	0.566	0.934	1200.116	84.029
19.800	168.987	127.959	0.568	0.932	1200.118	84.534
20.000	166.613	128.463	0.569	0.931	1200.119	84.998
20.200	164.251	128.946	0.571	0.929	1200.121	85.441
20.400	161.895	129.384	0.572	0.928	1200.122	85.842
20.600	159.549	129.779	0.574	0.926	1200.124	86.222
20.800	157.206	130.151	0.575	0.925	1200.125	86.560
21.000	154.853	130.480	0.576	0.924	1200.126	86.857
21.200	152.496	130.787	0.577	0.923	1200.127	87.132
21.400	150.144	131.050	0.578	0.922	1200.128	87.386
21.600	147.791	131.291	0.578	0.922	1200.128	87.598
21.800	145.442	131.488	0.579	0.921	1200.129	87.767
22.000	143.094	131.664	0.580	0.920	1200.130	87.916
22.200	140.747	131.795	0.580	0.920	1200.130	88.043
22.400	138.404	131.905	0.580	0.920	1200.130	88.128
22.600	136.064	131.992	0.581	0.919	1200.131	88.192
22.800	133.725	132.036	0.581	0.919	1200.131	88.234
23.000	131.388	132.058	0.581	0.919	1200.131	88.234
23.200	129.048	132.058	0.581	0.919	1200.131	88.213
23.400	126.707	132.014	0.581	0.920	1200.131	88.170
23.600	124.364	131.949	0.580	0.920	1200.130	88.085
23.800	122.018	131.861	0.580	0.920	1200.130	87.979
24.000	119.667	131.729	0.579	0.921	1200.129	87.852
24.200	117.312	131.576	0.579	0.921	1200.129	87.683
24.400	114.954	131.401	0.578	0.922	1200.128	87.513
24.600	112.584	131.203	0.577	0.923	1200.127	87.301
24.800	110.199	130.984	0.577	0.923	1200.127	87.068
25.000	107.810	130.721	0.576	0.924	1200.126	86.814
25.200	105.416	130.436	0.575	0.925	1200.125	86.518
25.400	103.016	130.129	0.574	0.926	1200.124	86.201
25.600	100.609	129.779	0.572	0.928	1200.122	85.863
25.800	98.196	129.428	0.571	0.929	1200.121	85.504
26.000	95.778	129.033	0.570	0.930	1200.120	85.124
26.200	93.354	128.617	0.568	0.932	1200.118	84.703
26.400	90.924	128.179	0.567	0.933	1200.117	84.282
26.600	88.491	127.718	0.565	0.935	1200.115	83.819
26.800	86.052	127.236	0.563	0.937	1200.113	83.335
27.000	83.607	126.710	0.562	0.938	1200.112	82.831
27.200	81.159	126.184	0.560	0.940	1200.110	82.307
27.400	85.068	125.636	0.558	0.942	1200.108	81.825
27.600	89.857	125.154	0.557	0.943	1200.107	81.385
27.800	93.871	124.737	0.555	0.945	1200.105	81.009
28.000	97.110	124.365	0.554	0.946	1200.104	80.674
28.200	99.704	124.036	0.553	0.947	1200.103	80.382
28.400	101.651	123.751	0.552	0.948	1200.102	80.131
28.600	102.824	123.488	0.551	0.949	1200.101	79.881
28.800	103.480	123.225	0.550	0.950	1200.100	79.651
29.000	103.619	123.006	0.550	0.950	1200.100	79.443
29.200	103.113	122.786	0.549	0.951	1200.099	79.234
29.400	102.219	122.545	0.548	0.952	1200.098	78.984
29.600	100.808	122.282	0.547	0.953	1200.097	78.735
29.800	98.881	122.019	0.546	0.954	1200.096	78.485

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	96.437	121.734	0.545	0.955	1200.095	78.194
30.200	96.179	121.427	0.544	0.956	1200.094	77.903
30.400	95.662	121.121	0.543	0.957	1200.093	77.612
30.600	94.887	120.814	0.542	0.958	1200.092	77.321
30.800	93.983	120.485	0.541	0.959	1200.091	76.989
31.000	92.821	120.134	0.540	0.960	1200.090	76.658
31.200	91.529	119.784	0.538	0.962	1200.088	76.326
31.400	90.108	119.433	0.537	0.963	1200.087	75.995
31.600	88.558	119.060	0.536	0.964	1200.086	75.623
31.800	87.009	118.666	0.535	0.965	1200.085	75.251
32.000	85.200	118.271	0.533	0.967	1200.083	74.858
32.200	83.392	117.833	0.532	0.968	1200.082	74.445
32.400	81.584	117.394	0.530	0.970	1200.080	74.033
32.600	79.776	116.934	0.529	0.971	1200.079	73.580
32.800	77.709	116.452	0.527	0.973	1200.077	73.127
33.000	75.643	115.948	0.525	0.975	1200.075	72.634
33.200	73.834	115.422	0.523	0.977	1200.073	72.141
33.400	72.026	114.896	0.521	0.979	1200.071	71.628
33.600	70.347	114.326	0.520	0.980	1200.070	71.095
33.800	68.797	113.756	0.518	0.982	1200.068	70.563
34.000	67.247	113.186	0.516	0.984	1200.066	70.031
34.200	65.956	112.594	0.514	0.986	1200.064	69.459
34.400	64.664	111.980	0.512	0.988	1200.062	68.888
34.600	63.373	111.367	0.509	0.991	1200.059	68.318
34.800	62.340	110.753	0.507	0.993	1200.057	67.748
35.000	61.306	110.139	0.505	0.995	1200.055	67.179
35.200	60.273	109.525	0.503	0.997	1200.053	66.590
35.400	59.240	108.868	0.501	0.999	1200.051	65.982
35.600	58.336	108.210	0.499	1.001	1200.049	65.375
35.800	57.561	107.553	0.496	1.004	1200.046	64.771
36.000	56.786	106.895	0.494	1.006	1200.044	64.169
36.200	56.011	106.238	0.492	1.008	1200.042	63.570
36.400	55.236	105.580	0.490	1.010	1200.040	62.973
36.600	54.590	104.922	0.487	1.013	1200.037	62.380
36.800	54.073	104.265	0.485	1.015	1200.035	61.789
37.000	53.557	103.607	0.483	1.017	1200.033	61.200
37.200	53.040	102.950	0.481	1.019	1200.031	60.614
37.400	52.524	102.292	0.479	1.021	1200.029	60.031
37.600	52.007	101.635	0.476	1.024	1200.026	59.451
37.800	51.490	100.977	0.474	1.026	1200.024	58.873
38.000	50.974	100.319	0.472	1.028	1200.022	58.298
38.200	50.457	99.662	0.470	1.030	1200.020	57.726
38.400	50.070	99.004	0.467	1.033	1200.017	57.156
38.600	49.811	98.347	0.465	1.035	1200.015	56.589
38.800	49.553	97.689	0.463	1.037	1200.013	56.025
39.000	49.295	97.032	0.461	1.039	1200.011	55.463
39.200	49.036	96.374	0.458	1.042	1200.008	54.904
39.400	48.778	95.716	0.456	1.044	1200.006	54.348
39.600	48.520	95.136	0.454	1.046	1200.004	53.794
39.800	48.261	94.561	0.452	1.048	1200.002	53.243
40.000	48.003	93.987	0.450	1.050	1200.000	52.695
40.200	47.745	93.412	0.447	1.053	1199.997	52.149
40.400	47.486	92.837	0.445	1.055	1199.995	51.607
40.600	47.228	92.263	0.443	1.057	1199.993	51.068
40.800	46.970	91.688	0.441	1.059	1199.991	50.531
41.000	46.712	91.113	0.438	1.062	1199.988	49.998
41.200	46.453	90.538	0.436	1.064	1199.986	49.468
41.400	46.195	89.964	0.434	1.066	1199.984	48.941
41.600	45.937	89.389	0.432	1.068	1199.982	48.416
41.800	45.678	88.814	0.429	1.071	1199.979	47.895
42.000	45.678	88.239	0.427	1.073	1199.977	47.377
42.200	45.549	87.665	0.425	1.075	1199.975	46.862
42.400	45.549	87.090	0.423	1.077	1199.973	46.350
42.600	45.549	86.515	0.421	1.079	1199.971	45.858
42.800	45.549	85.979	0.419	1.082	1199.969	45.386
43.000	45.420	85.442	0.416	1.084	1199.966	44.916
43.200	45.420	84.906	0.414	1.086	1199.964	44.449
43.400	45.420	84.370	0.412	1.088	1199.962	43.984
43.600	45.420	83.833	0.410	1.090	1199.960	43.522
43.800	45.291	83.297	0.408	1.092	1199.958	43.063
44.000	45.291	82.760	0.406	1.094	1199.956	42.607
44.200	45.291	82.224	0.404	1.096	1199.954	42.153
44.400	45.291	81.688	0.402	1.098	1199.952	41.701
44.600	45.162	81.151	0.400	1.100	1199.950	41.269
44.800	45.162	80.653	0.398	1.102	1199.948	40.854
45.000	45.162	80.155	0.396	1.104	1199.946	40.442
45.200	45.162	79.657	0.394	1.106	1199.944	40.032
45.400	45.158	79.159	0.392	1.108	1199.942	39.625
45.600	45.154	78.661	0.390	1.110	1199.940	39.219
45.800	45.150	78.163	0.388	1.112	1199.938	38.816
46.000	45.147	77.664	0.386	1.114	1199.936	38.415
46.200	45.143	77.166	0.384	1.116	1199.934	38.016
46.400	45.139	76.687	0.383	1.117	1199.933	37.650

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
46.600	45.136	76.228	0.381	1.119	1199.931	37.285
46.800	45.132	75.768	0.379	1.121	1199.929	36.923
47.000	45.128	75.308	0.377	1.123	1199.927	36.563
47.200	45.124	74.848	0.375	1.125	1199.925	36.204
47.400	45.121	74.388	0.374	1.126	1199.924	35.847
47.600	45.117	73.929	0.372	1.128	1199.922	35.492
47.800	45.113	73.469	0.370	1.130	1199.920	35.139
48.000	45.110	73.009	0.368	1.132	1199.918	34.803
48.200	45.106	72.588	0.367	1.133	1199.917	34.483
48.400	45.102	72.166	0.365	1.135	1199.915	34.164
48.600	45.098	71.745	0.363	1.137	1199.913	33.847
48.800	45.095	71.323	0.362	1.138	1199.912	33.532
49.000	45.091	70.902	0.360	1.140	1199.910	33.218
49.200	45.087	70.480	0.359	1.141	1199.909	32.905
49.400	45.083	70.059	0.357	1.143	1199.907	32.595
49.600	45.080	69.637	0.355	1.145	1199.905	32.300
49.800	45.076	69.254	0.354	1.146	1199.904	32.020
50.000	45.072	68.871	0.352	1.148	1199.902	31.742
50.200	45.069	68.488	0.351	1.149	1199.901	31.465
50.400	45.065	68.105	0.349	1.151	1199.899	31.189
50.600	45.061	67.722	0.348	1.152	1199.898	30.914
50.800	45.057	67.338	0.346	1.154	1199.896	30.641
51.000	45.054	66.955	0.345	1.155	1199.895	30.369
51.200	45.050	66.572	0.343	1.157	1199.893	30.099
51.400	45.046	66.208	0.342	1.158	1199.892	29.856
51.600	45.043	65.863	0.341	1.159	1199.891	29.615
51.800	45.039	65.519	0.339	1.161	1199.889	29.374
52.000	45.035	65.174	0.338	1.162	1199.888	29.135
52.200	45.031	64.829	0.337	1.163	1199.887	28.897
52.400	45.028	64.484	0.335	1.165	1199.885	28.659
52.600	45.024	64.139	0.334	1.166	1199.884	28.423
52.800	45.020	63.794	0.333	1.167	1199.883	28.188
53.000	45.016	63.449	0.331	1.169	1199.881	27.967
53.200	45.013	63.143	0.330	1.170	1199.880	27.759
53.400	45.009	62.836	0.329	1.171	1199.879	27.553
53.600	45.005	62.530	0.328	1.172	1199.878	27.347
53.800	45.002	62.223	0.327	1.173	1199.877	27.142
54.000	44.998	61.917	0.325	1.175	1199.875	26.938
54.200	44.994	61.610	0.324	1.176	1199.874	26.735
54.400	44.990	61.304	0.323	1.177	1199.873	26.532
54.600	44.987	60.997	0.322	1.178	1199.872	26.330
54.800	44.983	60.691	0.321	1.179	1199.871	26.130
55.000	44.979	60.403	0.320	1.180	1199.870	25.955
55.200	44.976	60.135	0.319	1.181	1199.869	25.780
55.400	44.972	59.867	0.318	1.182	1199.868	25.606
55.600	44.968	59.599	0.317	1.183	1199.867	25.433
55.800	44.964	59.331	0.316	1.184	1199.866	25.261
56.000	44.961	59.062	0.314	1.186	1199.864	25.089
56.200	44.957	58.794	0.313	1.187	1199.863	24.917
56.400	44.953	58.526	0.312	1.188	1199.862	24.747
56.600	44.949	58.258	0.311	1.189	1199.861	24.577
56.800	44.946	57.990	0.310	1.190	1199.860	24.419
57.000	44.942	57.760	0.309	1.191	1199.859	24.275
57.200	44.938	57.530	0.309	1.191	1199.859	24.130
57.400	44.935	57.300	0.308	1.192	1199.858	23.986
57.600	44.931	57.070	0.307	1.193	1199.857	23.843
57.800	44.927	56.840	0.306	1.194	1199.856	23.700
58.000	44.923	56.610	0.305	1.195	1199.855	23.558
58.200	44.920	56.389	0.304	1.196	1199.854	23.416
58.400	44.916	56.195	0.303	1.197	1199.853	23.274
58.600	44.912	56.001	0.302	1.198	1199.852	23.133
58.800	44.909	55.806	0.301	1.199	1199.851	22.992
59.000	44.905	55.612	0.301	1.199	1199.851	22.852
59.200	44.901	55.434	0.300	1.200	1199.850	22.736
59.400	44.897	55.272	0.299	1.201	1199.849	22.620
59.600	44.894	55.110	0.298	1.202	1199.848	22.504
59.800	44.890	54.948	0.298	1.202	1199.848	22.388
60.000	44.886	54.786	0.297	1.203	1199.847	22.273
60.200	44.882	54.624	0.296	1.204	1199.846	22.158
60.400	44.879	54.462	0.295	1.205	1199.845	22.044
60.600	44.875	54.300	0.295	1.205	1199.845	21.929
60.800	44.871	54.138	0.294	1.206	1199.844	21.815
61.000	44.868	53.976	0.293	1.207	1199.843	21.702
61.200	44.864	53.814	0.292	1.208	1199.842	21.588
61.400	44.860	53.652	0.292	1.208	1199.842	21.475
61.600	44.856	53.490	0.291	1.209	1199.841	21.363
61.800	44.853	53.329	0.290	1.210	1199.840	21.250
62.000	44.849	53.183	0.290	1.210	1199.840	21.161
62.200	44.845	53.053	0.289	1.211	1199.839	21.071
62.400	44.842	52.924	0.288	1.212	1199.838	20.982
62.600	44.838	52.794	0.288	1.212	1199.838	20.893
62.800	44.834	52.665	0.287	1.213	1199.837	20.804
63.000	44.830	52.535	0.287	1.213	1199.837	20.715

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
63.200	44.827	52.405	0.286	1.214	1199.836	20.627
63.400	44.823	52.276	0.285	1.215	1199.835	20.538
63.600	44.819	52.146	0.285	1.215	1199.835	20.450
63.800	44.815	52.017	0.284	1.216	1199.834	20.362
64.000	44.812	51.887	0.284	1.216	1199.834	20.275
64.200	44.808	51.758	0.283	1.217	1199.833	20.187
64.400	44.804	51.628	0.282	1.218	1199.832	20.100
64.600	44.801	51.499	0.282	1.218	1199.832	20.013
64.800	44.797	51.369	0.281	1.219	1199.831	19.926
65.000	44.793	51.239	0.281	1.219	1199.831	19.839
65.200	44.789	51.110	0.280	1.220	1199.830	19.752
65.400	44.786	50.997	0.280	1.220	1199.830	19.688
65.600	44.782	50.899	0.279	1.221	1199.829	19.623
65.800	44.778	50.802	0.279	1.221	1199.829	19.558
66.000	44.774	50.705	0.278	1.222	1199.828	19.494
66.200	44.771	50.608	0.278	1.222	1199.828	19.430
66.400	44.767	50.511	0.277	1.223	1199.827	19.366
66.600	44.763	50.414	0.277	1.223	1199.827	19.301
66.800	44.760	50.316	0.276	1.224	1199.826	19.237
67.000	44.756	50.219	0.276	1.224	1199.826	19.174
67.200	44.752	50.122	0.276	1.224	1199.826	19.110
67.400	44.748	50.025	0.275	1.225	1199.825	19.046
67.600	44.745	49.928	0.275	1.225	1199.825	18.983
67.800	44.741	49.831	0.274	1.226	1199.824	18.919
68.000	44.737	49.733	0.274	1.226	1199.824	18.856
68.200	44.734	49.636	0.273	1.227	1199.823	18.793
68.400	44.730	49.539	0.273	1.227	1199.823	18.730
68.600	44.726	49.442	0.272	1.228	1199.822	18.667
68.800	44.722	49.345	0.272	1.228	1199.822	18.604
69.000	44.719	49.248	0.272	1.228	1199.822	18.541
69.200	44.715	49.150	0.271	1.229	1199.821	18.478
69.400	44.711	49.053	0.271	1.229	1199.821	18.416
69.600	44.707	48.972	0.270	1.230	1199.820	18.374
69.800	44.704	48.908	0.270	1.230	1199.820	18.333
70.000	44.700	48.843	0.270	1.230	1199.820	18.291
70.200	44.696	48.778	0.269	1.231	1199.819	18.250
70.400	44.693	48.713	0.269	1.231	1199.819	18.208
70.600	44.689	48.648	0.269	1.231	1199.819	18.167
70.800	44.685	48.584	0.269	1.231	1199.819	18.126
71.000	44.681	48.519	0.268	1.232	1199.818	18.084
71.200	44.678	48.454	0.268	1.232	1199.818	18.043
71.400	44.674	48.389	0.268	1.232	1199.818	18.002
71.600	44.670	48.325	0.267	1.233	1199.817	17.961
71.800	44.667	48.260	0.267	1.233	1199.817	17.920
72.000	44.659	48.195	0.267	1.233	1199.817	17.879
72.200	44.652	48.130	0.266	1.234	1199.816	17.838
72.400	44.644	48.065	0.266	1.234	1199.816	17.797
72.600	44.637	48.001	0.266	1.234	1199.816	17.756
72.800	44.629	47.936	0.266	1.234	1199.816	17.715
73.000	44.622	47.871	0.265	1.235	1199.815	17.674
73.200	44.614	47.806	0.265	1.235	1199.815	17.634
73.400	44.607	47.742	0.265	1.235	1199.815	17.593
73.600	44.600	47.677	0.264	1.236	1199.814	17.552
73.800	44.592	47.612	0.264	1.236	1199.814	17.512
74.000	44.585	47.547	0.264	1.236	1199.814	17.471
74.200	44.577	47.482	0.264	1.237	1199.814	17.431
74.400	44.570	47.418	0.263	1.237	1199.813	17.390
74.600	44.562	47.353	0.263	1.237	1199.813	17.350
74.800	44.555	47.288	0.263	1.237	1199.813	17.310
75.000	44.547	47.223	0.262	1.238	1199.812	17.269
75.200	44.540	47.159	0.262	1.238	1199.812	17.229
75.400	44.533	47.094	0.262	1.238	1199.812	17.189
75.600	44.525	47.029	0.261	1.239	1199.811	17.159
75.800	44.518	46.997	0.261	1.239	1199.811	17.139
76.000	44.510	46.964	0.261	1.239	1199.811	17.119
76.200	44.503	46.932	0.261	1.239	1199.811	17.099
76.400	44.495	46.899	0.261	1.239	1199.811	17.079
76.600	44.488	46.867	0.261	1.239	1199.811	17.059
76.800	44.480	46.835	0.261	1.239	1199.811	17.039
77.000	44.473	46.802	0.260	1.240	1199.810	17.019
77.200	44.466	46.770	0.260	1.240	1199.810	16.999
77.400	44.458	46.738	0.260	1.240	1199.810	16.979
77.600	44.451	46.705	0.260	1.240	1199.810	16.959
77.800	44.443	46.673	0.260	1.240	1199.810	16.939
78.000	44.436	46.640	0.260	1.240	1199.810	16.919
78.200	44.428	46.608	0.260	1.240	1199.810	16.899
78.400	44.421	46.576	0.259	1.241	1199.809	16.879
78.600	44.413	46.543	0.259	1.241	1199.809	16.859
78.800	44.406	46.511	0.259	1.241	1199.809	16.839
79.000	44.399	46.478	0.259	1.241	1199.809	16.819

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
79.200	44.391	46.446	0.259	1.241	1199.809	16.800
79.400	44.384	46.414	0.259	1.241	1199.809	16.780
79.600	44.376	46.381	0.259	1.241	1199.809	16.760
79.800	44.369	46.349	0.258	1.242	1199.808	16.740
80.000	44.361	46.316	0.258	1.242	1199.808	16.720
80.200	44.354	46.284	0.258	1.242	1199.808	16.701
80.400	44.346	46.252	0.258	1.242	1199.808	16.681
80.600	44.339	46.219	0.258	1.242	1199.808	16.661
80.800	44.332	46.187	0.258	1.242	1199.808	16.641
81.000	44.324	46.155	0.257	1.243	1199.807	16.622
81.200	44.317	46.122	0.257	1.243	1199.807	16.602
81.400	44.309	46.090	0.257	1.243	1199.807	16.582
81.600	44.302	46.057	0.257	1.243	1199.807	16.563
81.800	44.294	46.025	0.257	1.243	1199.807	16.543
82.000	44.287	45.993	0.257	1.243	1199.807	16.523
82.200	44.279	45.960	0.257	1.243	1199.807	16.504
82.400	44.272	45.928	0.256	1.244	1199.806	16.484
82.600	44.265	45.895	0.256	1.244	1199.806	16.464
82.800	44.257	45.863	0.256	1.244	1199.806	16.445
83.000	44.250	45.831	0.256	1.244	1199.806	16.425
83.200	44.242	45.798	0.256	1.244	1199.806	16.405
83.400	44.235	45.766	0.256	1.244	1199.806	16.386
83.600	44.227	45.733	0.256	1.244	1199.806	16.366
83.800	44.220	45.701	0.255	1.245	1199.805	16.347
84.000	44.212	45.669	0.255	1.245	1199.805	16.327
84.200	44.205	45.636	0.255	1.245	1199.805	16.308
84.400	44.198	45.604	0.255	1.245	1199.805	16.288
84.600	44.190	45.572	0.255	1.245	1199.805	16.269
84.800	44.183	45.539	0.255	1.245	1199.805	16.249
85.000	44.175	45.507	0.255	1.246	1199.805	16.230
85.200	44.168	45.474	0.254	1.246	1199.804	16.210
85.400	44.160	45.442	0.254	1.246	1199.804	16.191
85.600	44.153	45.410	0.254	1.246	1199.804	16.171
85.800	44.145	45.377	0.254	1.246	1199.804	16.152
86.000	44.138	45.345	0.254	1.246	1199.804	16.132
86.200	44.131	45.312	0.254	1.246	1199.804	16.113
86.400	44.123	45.280	0.253	1.247	1199.803	16.094
86.600	44.116	45.248	0.253	1.247	1199.803	16.074
86.800	44.108	45.215	0.253	1.247	1199.803	16.055
87.000	44.101	45.183	0.253	1.247	1199.803	16.035
87.200	44.093	45.151	0.253	1.247	1199.803	16.016
87.400	44.086	45.118	0.253	1.247	1199.803	15.997
87.600	44.078	45.086	0.253	1.247	1199.803	15.977
87.800	44.071	45.053	0.252	1.248	1199.802	15.958
88.000	44.064	45.021	0.252	1.248	1199.802	15.939
88.200	44.056	44.989	0.252	1.248	1199.802	15.920
88.400	44.049	44.956	0.252	1.248	1199.802	15.900
88.600	44.041	44.924	0.252	1.248	1199.802	15.881
88.800	44.034	44.891	0.252	1.248	1199.802	15.862
89.000	44.026	44.859	0.252	1.248	1199.802	15.843
89.200	44.019	44.827	0.251	1.249	1199.801	15.823
89.400	44.011	44.810	0.251	1.249	1199.801	15.823
89.600	44.004	44.794	0.251	1.249	1199.801	15.814
89.800	43.997	44.794	0.251	1.249	1199.801	15.814
90.000	43.989	44.778	0.251	1.249	1199.801	15.804
90.200	43.982	44.778	0.251	1.249	1199.801	15.804
90.400	43.974	44.762	0.251	1.249	1199.801	15.795
90.600	43.967	44.762	0.251	1.249	1199.801	15.795
90.800	43.959	44.762	0.251	1.249	1199.801	15.785
91.000	43.952	44.746	0.251	1.249	1199.801	15.785
91.200	43.944	44.746	0.251	1.249	1199.801	15.775
91.400	43.937	44.729	0.251	1.249	1199.801	15.775
91.600	43.930	44.729	0.251	1.249	1199.801	15.766
91.800	43.922	44.713	0.251	1.249	1199.801	15.766
92.000	43.915	44.713	0.251	1.249	1199.801	15.766
92.200	43.907	44.697	0.251	1.249	1199.801	15.756
92.400	43.900	44.697	0.251	1.249	1199.801	15.756
92.600	43.892	44.681	0.251	1.249	1199.801	15.747
92.800	43.885	44.681	0.251	1.249	1199.801	15.747
93.000	43.877	44.665	0.251	1.249	1199.801	15.737
93.200	43.870	44.665	0.251	1.249	1199.801	15.737
93.400	43.863	44.648	0.251	1.249	1199.801	15.727
93.600	43.855	44.648	0.251	1.249	1199.801	15.727
93.800	43.848	44.648	0.251	1.249	1199.801	15.718
94.000	43.840	44.632	0.251	1.249	1199.801	15.718
94.200	43.833	44.632	0.250	1.250	1199.800	15.708
94.400	43.825	44.616	0.250	1.250	1199.800	15.708
94.600	43.818	44.616	0.250	1.250	1199.800	15.699
94.800	43.810	44.600	0.250	1.250	1199.800	15.699
95.000	43.803	44.600	0.250	1.250	1199.800	15.699
95.200	43.796	44.584	0.250	1.250	1199.800	15.689

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
95.400	43.788	44.584	0.250	1.250	1199.800	15.689
95.600	43.781	44.568	0.250	1.250	1199.800	15.680
95.800	43.773	44.568	0.250	1.250	1199.800	15.680
96.000	43.766	44.551	0.250	1.250	1199.800	15.670
96.200	43.758	44.551	0.250	1.250	1199.800	15.670
96.400	43.751	44.535	0.250	1.250	1199.800	15.660
96.600	43.743	44.535	0.250	1.250	1199.800	15.660
96.800	43.736	44.535	0.250	1.250	1199.800	15.651
97.000	43.729	44.519	0.250	1.250	1199.800	15.651
97.200	43.721	44.519	0.250	1.250	1199.800	15.641
97.400	43.714	44.503	0.250	1.250	1199.800	15.641
97.600	43.706	44.503	0.250	1.250	1199.800	15.632
97.800	43.699	44.487	0.250	1.250	1199.800	15.632
98.000	43.691	44.487	0.250	1.250	1199.800	15.632
98.200	43.684	44.470	0.250	1.250	1199.800	15.622
98.400	43.676	44.470	0.250	1.250	1199.800	15.622
98.600	43.667	44.454	0.250	1.250	1199.800	15.613
98.800	43.656	44.454	0.250	1.250	1199.800	15.603
99.000	43.645	44.438	0.250	1.250	1199.800	15.603
99.200	43.634	44.422	0.250	1.250	1199.800	15.594
99.400	43.622	44.422	0.250	1.250	1199.800	15.584
99.600	43.611	44.406	0.249	1.251	1199.799	15.575
99.800	43.600	44.389	0.249	1.251	1199.799	15.575
100.000	43.589	44.373	0.249	1.251	1199.799	15.565
100.200	43.578	44.373	0.249	1.251	1199.799	15.556
100.400	43.567	44.357	0.249	1.251	1199.799	15.556
100.600	43.555	44.341	0.249	1.251	1199.799	15.546
100.800	43.544	44.341	0.249	1.251	1199.799	15.537
101.000	43.533	44.325	0.249	1.251	1199.799	15.537
101.200	43.522	44.308	0.249	1.251	1199.799	15.527
101.400	43.511	44.308	0.249	1.251	1199.799	15.518
101.600	43.500	44.292	0.249	1.251	1199.799	15.508
101.800	43.488	44.276	0.249	1.251	1199.799	15.508
102.000	43.477	44.260	0.249	1.251	1199.799	15.499
102.200	43.466	44.260	0.249	1.251	1199.799	15.489
102.400	43.455	44.244	0.249	1.251	1199.799	15.489
102.600	43.444	44.227	0.249	1.251	1199.799	15.480
102.800	43.433	44.227	0.249	1.251	1199.799	15.470
103.000	43.421	44.211	0.249	1.251	1199.799	15.470
103.200	43.410	44.195	0.249	1.251	1199.799	15.461
103.400	43.399	44.195	0.248	1.252	1199.798	15.451
103.600	43.388	44.179	0.248	1.252	1199.798	15.442
103.800	43.377	44.163	0.248	1.252	1199.798	15.442
104.000	43.366	44.146	0.248	1.252	1199.798	15.432
104.200	43.354	44.146	0.248	1.252	1199.798	15.423
104.400	43.343	44.130	0.248	1.252	1199.798	15.423
104.600	43.332	44.114	0.248	1.252	1199.798	15.413
104.800	43.321	44.114	0.248	1.252	1199.798	15.404
105.000	43.310	44.098	0.248	1.252	1199.798	15.404
105.200	43.299	44.082	0.248	1.252	1199.798	15.394
105.400	43.287	44.082	0.248	1.252	1199.798	15.385
105.600	43.276	44.066	0.248	1.252	1199.798	15.375
105.800	43.265	44.049	0.248	1.252	1199.798	15.375
106.000	43.254	44.033	0.248	1.252	1199.798	15.366
106.200	43.243	44.033	0.248	1.252	1199.798	15.356
106.400	43.232	44.017	0.248	1.252	1199.798	15.356
106.600	43.220	44.001	0.248	1.252	1199.798	15.347
106.800	43.209	44.001	0.248	1.252	1199.798	15.337
107.000	43.198	43.985	0.248	1.252	1199.798	15.337
107.200	43.187	43.968	0.248	1.253	1199.798	15.328
107.400	43.176	43.968	0.247	1.253	1199.797	15.318
107.600	43.165	43.952	0.247	1.253	1199.797	15.309
107.800	43.153	43.936	0.247	1.253	1199.797	15.309
108.000	43.142	43.920	0.247	1.253	1199.797	15.300
108.200	43.131	43.920	0.247	1.253	1199.797	15.290
108.400	43.120	43.904	0.247	1.253	1199.797	15.290
108.600	43.109	43.887	0.247	1.253	1199.797	15.281
108.800	43.098	43.887	0.247	1.253	1199.797	15.271
109.000	43.086	43.871	0.247	1.253	1199.797	15.271
109.200	43.075	43.855	0.247	1.253	1199.797	15.262
109.400	43.064	43.855	0.247	1.253	1199.797	15.252
109.600	43.053	43.839	0.247	1.253	1199.797	15.243
109.800	43.042	43.823	0.247	1.253	1199.797	15.243
110.000	43.031	43.806	0.247	1.253	1199.797	15.234
110.200	43.019	43.806	0.247	1.253	1199.797	15.224
110.400	43.007	43.790	0.247	1.253	1199.797	15.224
110.600	42.995	43.774	0.247	1.253	1199.797	15.215
110.800	42.983	43.758	0.247	1.253	1199.797	15.205
111.000	42.971	43.758	0.246	1.254	1199.796	15.196
111.200	42.959	43.742	0.246	1.254	1199.796	15.196
111.400	42.947	43.725	0.246	1.254	1199.796	15.187
111.600	42.935	43.709	0.246	1.254	1199.796	15.177
111.800	42.923	43.709	0.246	1.254	1199.796	15.168

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
112.000	42.911	43.693	0.246	1.254	1199.796	15.168
112.200	42.899	43.677	0.246	1.254	1199.796	15.158
112.400	42.887	43.661	0.246	1.254	1199.796	15.149
112.600	42.875	43.661	0.246	1.254	1199.796	15.140
112.800	42.863	43.644	0.246	1.254	1199.796	15.140
113.000	42.851	43.628	0.246	1.254	1199.796	15.130
113.200	42.839	43.612	0.246	1.254	1199.796	15.121
113.400	42.827	43.612	0.246	1.254	1199.796	15.111
113.600	42.815	43.596	0.246	1.254	1199.796	15.111
113.800	42.803	43.580	0.246	1.254	1199.796	15.102
114.000	42.791	43.563	0.246	1.254	1199.796	15.093
114.200	42.779	43.563	0.246	1.254	1199.796	15.083
114.400	42.767	43.547	0.246	1.254	1199.796	15.083
114.600	42.755	43.531	0.245	1.255	1199.795	15.074
114.800	42.743	43.515	0.245	1.255	1199.795	15.065
115.000	42.731	43.515	0.245	1.255	1199.795	15.055
115.200	42.719	43.499	0.245	1.255	1199.795	15.055
115.400	42.707	43.483	0.245	1.255	1199.795	15.046
115.600	42.695	43.466	0.245	1.255	1199.795	15.036
115.800	42.683	43.466	0.245	1.255	1199.795	15.027
116.000	42.671	43.450	0.245	1.255	1199.795	15.018
116.200	42.659	43.434	0.245	1.255	1199.795	15.018
116.400	42.647	43.418	0.245	1.255	1199.795	15.008
116.600	42.635	43.418	0.245	1.255	1199.795	14.999
116.800	42.623	43.402	0.245	1.255	1199.795	14.990
117.000	42.611	43.385	0.245	1.255	1199.795	14.990
117.200	42.599	43.369	0.245	1.255	1199.795	14.980
117.400	42.587	43.369	0.245	1.255	1199.795	14.971
117.600	42.575	43.353	0.245	1.255	1199.795	14.962
117.800	42.563	43.337	0.245	1.255	1199.795	14.962
118.000	42.551	43.321	0.245	1.255	1199.795	14.952
118.200	42.539	43.321	0.244	1.256	1199.794	14.943
118.400	42.527	43.304	0.244	1.256	1199.794	14.934
118.600	42.515	43.288	0.244	1.256	1199.794	14.934
118.800	42.503	43.272	0.244	1.256	1199.794	14.924
119.000	42.491	43.272	0.244	1.256	1199.794	14.915
119.200	42.479	43.256	0.244	1.256	1199.794	14.906
119.400	42.467	43.240	0.244	1.256	1199.794	14.906
119.600	42.455	43.223	0.244	1.256	1199.794	14.896
119.800	42.443	43.223	0.244	1.256	1199.794	14.887
120.000	42.431	43.207	0.244	1.256	1199.794	14.878
120.200	42.419	43.191	0.244	1.256	1199.794	14.878
120.400	42.407	43.175	0.244	1.256	1199.794	14.869
120.600	42.395	43.175	0.244	1.256	1199.794	14.859
120.800	42.383	43.159	0.244	1.256	1199.794	14.850
121.000	42.370	43.142	0.244	1.256	1199.794	14.850
121.200	42.358	43.126	0.244	1.256	1199.794	14.841
121.400	42.346	43.126	0.244	1.256	1199.794	14.831
121.600	42.334	43.110	0.243	1.257	1199.793	14.822
121.800	42.322	43.094	0.243	1.257	1199.793	14.822
122.000	42.310	43.078	0.243	1.257	1199.793	14.813
122.200	42.298	43.078	0.243	1.257	1199.793	14.804
122.400	42.286	43.061	0.243	1.257	1199.793	14.794
122.600	42.270	43.045	0.243	1.257	1199.793	14.785
122.800	42.254	43.029	0.243	1.257	1199.793	14.776
123.000	42.238	43.013	0.243	1.257	1199.793	14.766
123.200	42.222	42.997	0.243	1.257	1199.793	14.757
123.400	42.206	42.980	0.243	1.257	1199.793	14.748
123.600	42.190	42.964	0.243	1.257	1199.793	14.739
123.800	42.174	42.948	0.243	1.257	1199.793	14.729
124.000	42.158	42.932	0.243	1.257	1199.793	14.720
124.200	42.142	42.916	0.243	1.257	1199.793	14.711
124.400	42.126	42.900	0.243	1.257	1199.793	14.702
124.600	42.110	42.883	0.242	1.258	1199.792	14.692
124.800	42.094	42.867	0.242	1.258	1199.792	14.683
125.000	42.078	42.851	0.242	1.258	1199.792	14.674
125.200	42.062	42.835	0.242	1.258	1199.792	14.665
125.400	42.046	42.819	0.242	1.258	1199.792	14.655
125.600	42.030	42.802	0.242	1.258	1199.792	14.646
125.800	42.014	42.786	0.242	1.258	1199.792	14.637
126.000	41.998	42.770	0.242	1.258	1199.792	14.628
126.200	41.982	42.754	0.242	1.258	1199.792	14.619
126.400	41.966	42.738	0.242	1.258	1199.792	14.609
126.600	41.950	42.721	0.242	1.258	1199.792	14.600
126.800	41.934	42.705	0.242	1.258	1199.792	14.591
127.000	41.918	42.689	0.242	1.258	1199.792	14.582
127.200	41.902	42.673	0.241	1.259	1199.791	14.572
127.400	41.886	42.657	0.241	1.259	1199.791	14.563
127.600	41.870	42.640	0.241	1.259	1199.791	14.554
127.800	41.854	42.624	0.241	1.259	1199.791	14.545
128.000	41.838	42.608	0.241	1.259	1199.791	14.536
128.200	41.822	42.592	0.241	1.259	1199.791	14.526
128.400	41.806	42.576	0.241	1.259	1199.791	14.517

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
128.600	41.790	42.559	0.241	1.259	1199.791	14.508
128.800	41.774	42.543	0.241	1.259	1199.791	14.499
129.000	41.758	42.527	0.241	1.259	1199.791	14.490
129.200	41.742	42.511	0.241	1.259	1199.791	14.481
129.400	41.726	42.495	0.241	1.259	1199.791	14.471
129.600	41.710	42.478	0.241	1.259	1199.791	14.462
129.800	41.694	42.462	0.241	1.259	1199.791	14.453
130.000	41.678	42.446	0.240	1.260	1199.790	14.444
130.200	41.662	42.430	0.240	1.260	1199.790	14.435
130.400	41.646	42.414	0.240	1.260	1199.790	14.426
130.600	41.630	42.398	0.240	1.260	1199.790	14.416
130.800	41.614	42.381	0.240	1.260	1199.790	14.407
131.000	41.598	42.365	0.240	1.260	1199.790	14.398
131.200	41.582	42.349	0.240	1.260	1199.790	14.389
131.400	41.566	42.333	0.240	1.260	1199.790	14.380
131.600	41.550	42.317	0.240	1.260	1199.790	14.371
131.800	41.533	42.300	0.240	1.260	1199.790	14.362
132.000	41.517	42.284	0.240	1.260	1199.790	14.352
132.200	41.501	42.268	0.240	1.260	1199.790	14.343
132.400	41.485	42.252	0.240	1.260	1199.790	14.334
132.600	41.469	42.236	0.239	1.261	1199.789	14.325
132.800	41.453	42.219	0.239	1.261	1199.789	14.316
133.000	41.437	42.203	0.239	1.261	1199.789	14.307
133.200	41.421	42.187	0.239	1.261	1199.789	14.298
133.400	41.405	42.171	0.239	1.261	1199.789	14.289
133.600	41.389	42.155	0.239	1.261	1199.789	14.279
133.800	41.373	42.138	0.239	1.261	1199.789	14.270
134.000	41.357	42.122	0.239	1.261	1199.789	14.261
134.200	41.341	42.106	0.239	1.261	1199.789	14.252
134.400	41.325	42.090	0.239	1.261	1199.789	14.243
134.600	41.309	42.074	0.239	1.261	1199.789	14.234
134.800	41.293	42.057	0.239	1.261	1199.789	14.225
135.000	41.277	42.041	0.239	1.261	1199.789	14.216
135.200	41.261	42.025	0.239	1.262	1199.789	14.207
135.400	41.245	42.009	0.238	1.262	1199.788	14.198
135.600	41.229	41.993	0.238	1.262	1199.788	14.189
135.800	41.213	41.976	0.238	1.262	1199.788	14.179
136.000	41.197	41.960	0.238	1.262	1199.788	14.170
136.200	41.181	41.944	0.238	1.262	1199.788	14.161
136.400	41.165	41.928	0.238	1.262	1199.788	14.152
136.600	41.149	41.912	0.238	1.262	1199.788	14.143
136.800	41.133	41.895	0.238	1.262	1199.788	14.134
137.000	41.117	41.879	0.238	1.262	1199.788	14.125
137.200	41.101	41.863	0.238	1.262	1199.788	14.116
137.400	41.085	41.847	0.238	1.262	1199.788	14.107
137.600	41.069	41.831	0.238	1.262	1199.788	14.098
137.800	41.053	41.815	0.238	1.262	1199.788	14.089
138.000	41.037	41.798	0.237	1.263	1199.787	14.080
138.200	41.021	41.782	0.237	1.263	1199.787	14.071
138.400	41.005	41.766	0.237	1.263	1199.787	14.062
138.600	40.989	41.734	0.237	1.263	1199.787	14.053
138.800	40.973	41.717	0.237	1.263	1199.787	14.044
139.000	40.957	41.701	0.237	1.263	1199.787	14.035
139.200	40.941	41.685	0.237	1.263	1199.787	14.026
139.400	40.925	41.669	0.237	1.263	1199.787	14.017
139.600	40.909	41.653	0.237	1.263	1199.787	14.008
139.800	40.893	41.636	0.237	1.263	1199.787	13.999
140.000	40.877	41.620	0.237	1.263	1199.787	13.990
140.200	40.861	41.604	0.237	1.263	1199.787	13.981
140.400	40.845	41.588	0.237	1.263	1199.787	13.972
140.600	40.827	41.572	0.236	1.264	1199.786	13.963
140.800	40.807	41.555	0.236	1.264	1199.786	13.954
141.000	40.787	41.539	0.236	1.264	1199.786	13.936
141.200	40.767	41.523	0.236	1.264	1199.786	13.927
141.400	40.747	41.491	0.236	1.264	1199.786	13.918
141.600	40.727	41.474	0.236	1.264	1199.786	13.909
141.800	40.707	41.458	0.236	1.264	1199.786	13.891
142.000	40.686	41.442	0.236	1.264	1199.786	13.882
142.200	40.666	41.410	0.236	1.264	1199.786	13.873
142.400	40.646	41.393	0.236	1.264	1199.786	13.864
142.600	40.626	41.377	0.236	1.264	1199.786	13.846
142.800	40.606	41.361	0.235	1.265	1199.785	13.837
143.000	40.586	41.329	0.235	1.265	1199.785	13.828
143.200	40.566	41.313	0.235	1.265	1199.785	13.810
143.400	40.546	41.296	0.235	1.265	1199.785	13.801
143.600	40.526	41.280	0.235	1.265	1199.785	13.792
143.800	40.506	41.248	0.235	1.265	1199.785	13.783
144.000	40.486	41.232	0.235	1.265	1199.785	13.765
144.200	40.466	41.215	0.235	1.265	1199.785	13.756
144.400	40.446	41.199	0.235	1.265	1199.785	13.747
144.600	40.426	41.167	0.235	1.265	1199.785	13.738
144.800	40.406	41.151	0.234	1.266	1199.784	13.721
145.000	40.386	41.134	0.234	1.266	1199.784	13.712

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
145.200	40.366	41.118	0.234	1.266	1199.784	13.703
145.400	40.346	41.086	0.234	1.266	1199.784	13.694
145.600	40.326	41.070	0.234	1.266	1199.784	13.676
145.800	40.306	41.053	0.234	1.266	1199.784	13.667
146.000	40.286	41.037	0.234	1.266	1199.784	13.658
146.200	40.266	41.005	0.234	1.266	1199.784	13.649
146.400	40.246	40.989	0.234	1.266	1199.784	13.632
146.600	40.226	40.972	0.234	1.266	1199.784	13.623
146.800	40.206	40.956	0.234	1.266	1199.784	13.614
147.000	40.186	40.924	0.234	1.266	1199.784	13.605
147.200	40.166	40.908	0.233	1.267	1199.783	13.587
147.400	40.146	40.891	0.233	1.267	1199.783	13.578
147.600	40.126	40.859	0.233	1.267	1199.783	13.569
147.800	40.106	40.843	0.233	1.267	1199.783	13.560
148.000	40.086	40.827	0.233	1.267	1199.783	13.543
148.200	40.066	40.810	0.233	1.267	1199.783	13.534
148.400	40.046	40.778	0.233	1.267	1199.783	13.525
148.600	40.026	40.762	0.233	1.267	1199.783	13.516
148.800	40.006	40.746	0.233	1.267	1199.783	13.499
149.000	39.986	40.730	0.233	1.267	1199.783	13.490
149.200	39.966	40.697	0.232	1.268	1199.782	13.481
149.400	39.946	40.681	0.232	1.268	1199.782	13.472
149.600	39.926	40.665	0.232	1.268	1199.782	13.454
149.800	39.906	40.649	0.232	1.268	1199.782	13.445
150.000	39.886	40.616	0.232	1.268	1199.782	13.437
150.200	39.866	40.600	0.232	1.268	1199.782	13.428
150.400	39.845	40.584	0.232	1.268	1199.782	13.410
150.600	39.825	40.568	0.232	1.268	1199.782	13.401
150.800	39.805	40.535	0.232	1.268	1199.782	13.393
151.000	39.785	40.519	0.232	1.268	1199.782	13.384
151.200	39.765	40.503	0.232	1.269	1199.782	13.366
151.400	39.745	40.487	0.231	1.269	1199.781	13.357
151.600	39.725	40.454	0.231	1.269	1199.781	13.349
151.800	39.705	40.438	0.231	1.269	1199.781	13.331
152.000	39.681	40.422	0.231	1.269	1199.781	13.322
152.200	39.657	40.389	0.231	1.269	1199.781	13.305
152.400	39.633	40.373	0.231	1.269	1199.781	13.296
152.600	39.609	40.341	0.231	1.269	1199.781	13.278
152.800	39.585	40.325	0.231	1.269	1199.781	13.270
153.000	39.561	40.292	0.231	1.269	1199.781	13.252
153.200	39.537	40.276	0.230	1.270	1199.780	13.243
153.400	39.513	40.244	0.230	1.270	1199.780	13.226
153.600	39.489	40.227	0.230	1.270	1199.780	13.217
153.800	39.465	40.195	0.230	1.270	1199.780	13.200
154.000	39.441	40.179	0.230	1.270	1199.780	13.191
154.200	39.417	40.147	0.230	1.270	1199.780	13.173
154.400	39.393	40.130	0.230	1.270	1199.780	13.165
154.600	39.369	40.098	0.230	1.270	1199.780	13.147
154.800	39.345	40.082	0.230	1.270	1199.780	13.138
155.000	39.321	40.049	0.229	1.271	1199.779	13.121
155.200	39.297	40.033	0.229	1.271	1199.779	13.112
155.400	39.273	40.001	0.229	1.271	1199.779	13.095
155.600	39.249	39.985	0.229	1.271	1199.779	13.086
155.800	39.225	39.952	0.229	1.271	1199.779	13.069
156.000	39.201	39.936	0.229	1.271	1199.779	13.060
156.200	39.177	39.904	0.229	1.271	1199.779	13.043
156.400	39.153	39.887	0.229	1.271	1199.779	13.034
156.600	39.129	39.855	0.229	1.271	1199.779	13.017
156.800	39.105	39.839	0.228	1.272	1199.778	13.008
157.000	39.081	39.806	0.228	1.272	1199.778	12.991
157.200	39.057	39.790	0.228	1.272	1199.778	12.982
157.400	39.033	39.758	0.228	1.272	1199.778	12.965
157.600	39.008	39.742	0.228	1.272	1199.778	12.956
157.800	38.984	39.709	0.228	1.272	1199.778	12.939
158.000	38.960	39.693	0.228	1.272	1199.778	12.930
158.200	38.936	39.661	0.228	1.272	1199.778	12.913
158.400	38.911	39.645	0.228	1.272	1199.778	12.904
158.600	38.885	39.612	0.227	1.273	1199.777	12.887
158.800	38.858	39.580	0.227	1.273	1199.777	12.869
159.000	38.831	39.547	0.227	1.273	1199.777	12.861
159.200	38.804	39.531	0.227	1.273	1199.777	12.844
159.400	38.777	39.499	0.227	1.273	1199.777	12.826
159.600	38.750	39.466	0.227	1.273	1199.777	12.818
159.800	38.723	39.450	0.227	1.273	1199.777	12.801
160.000	38.696	39.418	0.227	1.273	1199.777	12.783
160.200	38.670	39.385	0.226	1.274	1199.776	12.775
160.400	38.643	39.369	0.226	1.274	1199.776	12.758
160.600	38.616	39.337	0.226	1.274	1199.776	12.740
160.800	38.587	39.304	0.226	1.274	1199.776	12.723
161.000	38.555	39.272	0.226	1.274	1199.776	12.706
161.200	38.524	39.240	0.226	1.274	1199.776	12.689
161.400	38.493	39.207	0.226	1.274	1199.776	12.672
161.600	38.461	39.175	0.225	1.275	1199.775	12.655

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
161.800	38.430	39.142	0.225	1.275	1199.775	12.638
162.000	38.398	39.110	0.225	1.275	1199.775	12.629
162.200	38.367	39.094	0.225	1.275	1199.775	12.612
162.400	38.336	39.062	0.225	1.275	1199.775	12.595
162.600	38.304	39.029	0.225	1.275	1199.775	12.578
162.800	38.273	38.997	0.225	1.275	1199.775	12.561
163.000	38.242	38.964	0.224	1.276	1199.774	12.544
163.200	38.210	38.932	0.224	1.276	1199.774	12.527
163.400	38.179	38.900	0.224	1.276	1199.774	12.510
163.600	38.148	38.867	0.224	1.276	1199.774	12.493
163.800	38.116	38.835	0.224	1.276	1199.774	12.476
164.000	38.085	38.802	0.224	1.276	1199.774	12.459
164.200	38.054	38.770	0.224	1.276	1199.774	12.442
164.400	38.022	38.738	0.223	1.277	1199.773	12.425
164.600	37.991	38.705	0.223	1.277	1199.773	12.408
164.800	37.959	38.673	0.223	1.277	1199.773	12.391
165.000	37.928	38.640	0.223	1.277	1199.773	12.374
165.200	37.897	38.608	0.223	1.277	1199.773	12.357
165.400	37.865	38.576	0.223	1.277	1199.773	12.340
165.600	37.834	38.543	0.223	1.278	1199.773	12.323
165.800	37.803	38.511	0.222	1.278	1199.772	12.307
166.000	37.771	38.479	0.222	1.278	1199.772	12.290
166.200	37.740	38.446	0.222	1.278	1199.772	12.273
166.400	37.709	38.414	0.222	1.278	1199.772	12.256
166.600	37.677	38.381	0.222	1.278	1199.772	12.239
166.800	37.646	38.349	0.222	1.278	1199.772	12.222
167.000	37.615	38.317	0.221	1.279	1199.771	12.206
167.200	37.583	38.284	0.221	1.279	1199.771	12.189
167.400	37.552	38.252	0.221	1.279	1199.771	12.172
167.600	37.516	38.219	0.221	1.279	1199.771	12.155
167.800	37.480	38.187	0.221	1.279	1199.771	12.139
168.000	37.444	38.155	0.221	1.279	1199.771	12.122
168.200	37.408	38.122	0.221	1.279	1199.771	12.105
168.400	37.373	38.090	0.220	1.280	1199.770	12.088
168.600	37.337	38.057	0.220	1.280	1199.770	12.072
168.800	37.301	38.025	0.220	1.280	1199.770	12.055
169.000	37.265	37.993	0.220	1.280	1199.770	12.038
169.200	37.229	37.960	0.220	1.280	1199.770	12.022
169.400	37.193	37.928	0.220	1.280	1199.770	12.005
169.600	37.158	37.896	0.220	1.280	1199.770	11.988
169.800	37.122	37.863	0.219	1.281	1199.769	11.972
170.000	37.086	37.831	0.219	1.281	1199.769	11.955
170.200	37.050	37.798	0.219	1.281	1199.769	11.939
170.400	37.014	37.766	0.219	1.281	1199.769	11.922
170.600	36.978	37.734	0.219	1.281	1199.769	11.905
170.800	36.943	37.701	0.219	1.281	1199.769	11.889
171.000	36.907	37.669	0.218	1.282	1199.768	11.872
171.200	36.871	37.636	0.218	1.282	1199.768	11.856
171.400	36.835	37.604	0.218	1.282	1199.768	11.839
171.600	36.799	37.572	0.218	1.282	1199.768	11.823
171.800	36.763	37.539	0.218	1.282	1199.768	11.806
172.000	36.728	37.507	0.218	1.282	1199.768	11.790
172.200	36.692	37.474	0.218	1.282	1199.768	11.773
172.400	36.656	37.442	0.217	1.283	1199.767	11.757
172.600	36.620	37.410	0.217	1.283	1199.767	11.740
172.800	36.584	37.377	0.217	1.283	1199.767	11.724
173.000	36.549	37.345	0.217	1.283	1199.767	11.708
173.200	36.499	37.313	0.217	1.283	1199.767	11.691
173.400	36.459	37.280	0.217	1.283	1199.767	11.675
173.600	36.418	37.248	0.217	1.283	1199.767	11.658
173.800	36.378	37.215	0.216	1.284	1199.766	11.642
174.000	36.338	37.183	0.216	1.284	1199.766	11.626
174.200	36.297	37.151	0.216	1.284	1199.766	11.609
174.400	36.257	37.118	0.216	1.284	1199.766	11.593
174.600	36.217	37.086	0.216	1.284	1199.766	11.577
174.800	36.177	37.053	0.216	1.284	1199.766	11.560
175.000	36.136	37.021	0.216	1.285	1199.766	11.544
175.200	36.096	36.989	0.215	1.285	1199.765	11.528
175.400	36.056	36.956	0.215	1.285	1199.765	11.511
175.600	36.015	36.924	0.215	1.285	1199.765	11.495
175.800	35.975	36.892	0.215	1.285	1199.765	11.479
176.000	35.935	36.859	0.215	1.285	1199.765	11.463
176.200	35.894	36.827	0.215	1.285	1199.765	11.446
176.400	35.854	36.794	0.214	1.286	1199.764	11.430
176.600	35.814	36.762	0.214	1.286	1199.764	11.414
176.800	35.773	36.730	0.214	1.286	1199.764	11.398
177.000	35.733	36.697	0.214	1.286	1199.764	11.381
177.200	35.693	36.665	0.214	1.286	1199.764	11.365
177.400	35.652	36.632	0.214	1.286	1199.764	11.349
177.600	35.612	36.600	0.214	1.286	1199.764	11.333
177.800	35.572	36.568	0.213	1.287	1199.763	11.317
178.000	35.527	36.535	0.213	1.287	1199.763	11.301
178.200	35.482	36.503	0.213	1.287	1199.763	11.285

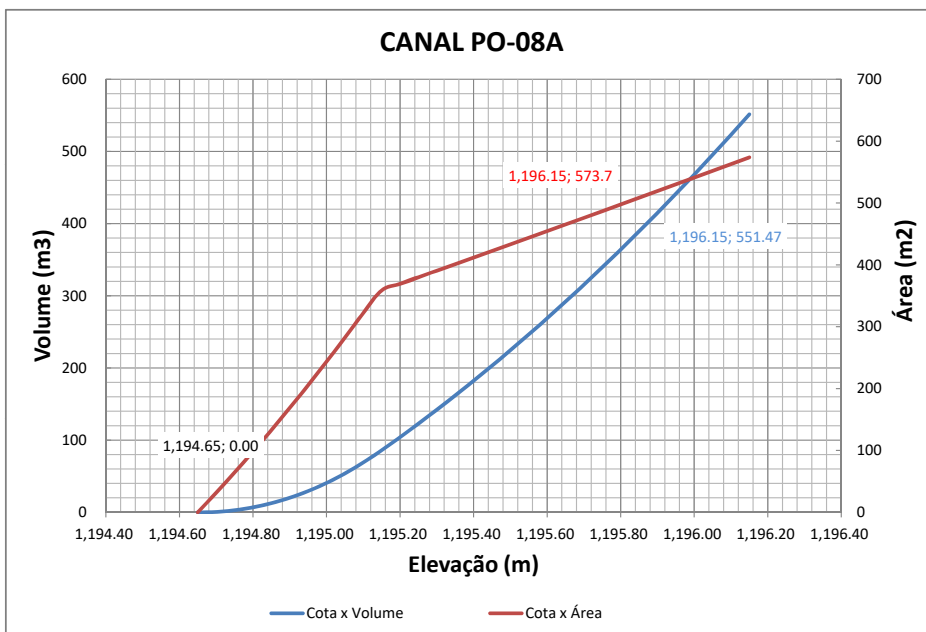
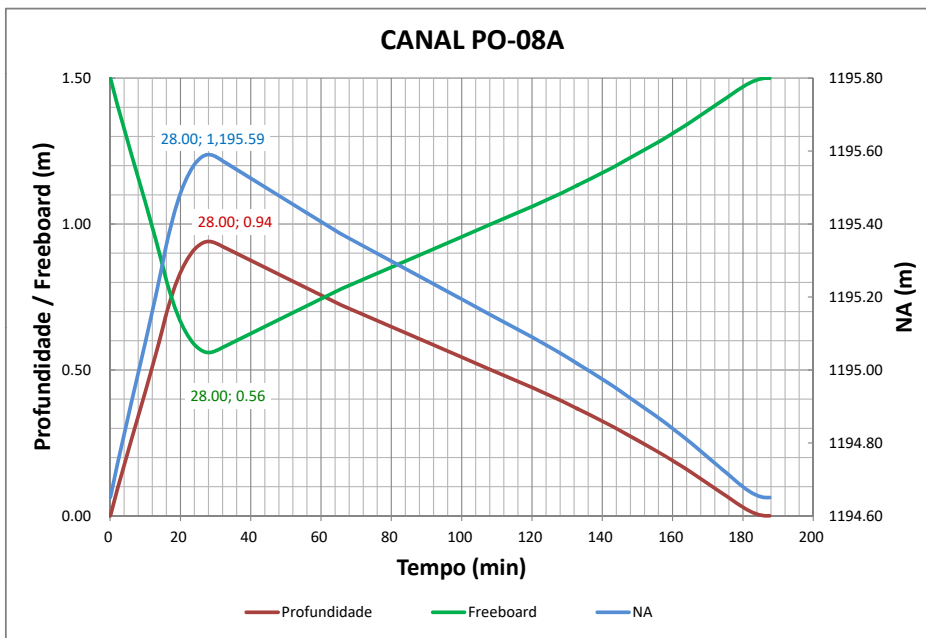
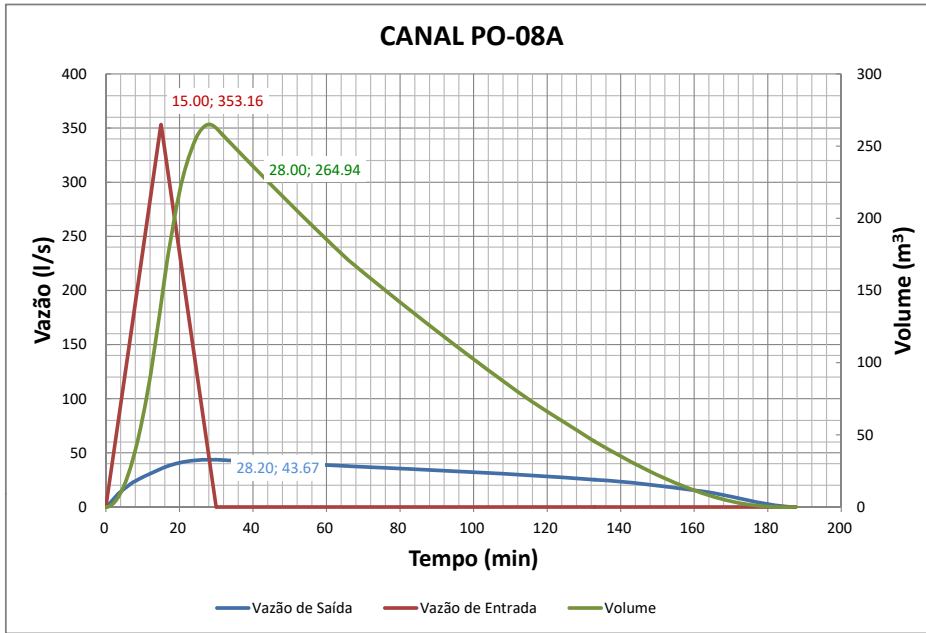
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
178.400	35.437	36.470	0.213	1.287	1199.763	11.268
178.600	35.393	36.438	0.213	1.287	1199.763	11.252
178.800	35.348	36.406	0.213	1.287	1199.763	11.236
179.000	35.303	36.373	0.213	1.287	1199.763	11.220
179.200	35.258	36.341	0.212	1.288	1199.762	11.204
179.400	35.213	36.309	0.212	1.288	1199.762	11.188
179.600	35.169	36.276	0.212	1.288	1199.762	11.172
179.800	35.124	36.244	0.212	1.288	1199.762	11.156
180.000	35.079	36.211	0.212	1.288	1199.762	11.140
180.200	35.034	36.179	0.212	1.288	1199.762	11.124
180.400	34.989	36.147	0.211	1.289	1199.761	11.108
180.600	34.945	36.114	0.211	1.289	1199.761	11.092
180.800	34.900	36.082	0.211	1.289	1199.761	11.076
181.000	34.855	36.049	0.211	1.289	1199.761	11.060
181.200	34.810	36.017	0.211	1.289	1199.761	11.044
181.400	34.765	35.985	0.211	1.289	1199.761	11.028
181.600	34.721	35.952	0.211	1.289	1199.761	11.012
181.800	34.676	35.920	0.210	1.290	1199.760	10.997
182.000	34.631	35.887	0.210	1.290	1199.760	10.981
182.200	34.586	35.855	0.210	1.290	1199.760	10.965
182.400	34.541	35.823	0.210	1.290	1199.760	10.949
182.600	34.497	35.790	0.210	1.290	1199.760	10.933
182.800	34.452	35.758	0.210	1.290	1199.760	10.917
183.000	34.407	35.726	0.210	1.290	1199.760	10.901
183.200	34.362	35.693	0.209	1.291	1199.759	10.886
183.400	34.315	35.661	0.209	1.291	1199.759	10.870
183.600	34.263	35.628	0.209	1.291	1199.759	10.854
183.800	34.211	35.596	0.209	1.291	1199.759	10.838
184.000	34.160	35.564	0.209	1.291	1199.759	10.823
184.200	34.108	35.531	0.209	1.291	1199.759	10.807
184.400	34.056	35.499	0.209	1.291	1199.759	10.791
184.600	34.004	35.466	0.208	1.292	1199.758	10.775
184.800	33.952	35.434	0.208	1.292	1199.758	10.760
185.000	33.901	35.402	0.208	1.292	1199.758	10.744
185.200	33.849	35.369	0.208	1.292	1199.758	10.728
185.400	33.797	35.337	0.208	1.292	1199.758	10.712
185.600	33.745	35.304	0.208	1.292	1199.758	10.697
185.800	33.694	35.272	0.207	1.293	1199.757	10.681
186.000	33.642	35.240	0.207	1.293	1199.757	10.666
186.200	33.590	35.207	0.207	1.293	1199.757	10.650
186.400	33.538	35.175	0.207	1.293	1199.757	10.634
186.600	33.486	35.143	0.207	1.293	1199.757	10.619
186.800	33.435	35.110	0.207	1.293	1199.757	10.603
187.000	33.383	35.078	0.207	1.293	1199.757	10.587
187.200	33.331	35.045	0.206	1.294	1199.756	10.572
187.400	33.279	35.013	0.206	1.294	1199.756	10.556
187.600	33.227	34.981	0.206	1.294	1199.756	10.541
187.800	33.176	34.948	0.206	1.294	1199.756	10.525
188.000	33.124	34.916	0.206	1.294	1199.756	10.510
188.200	33.072	34.883	0.206	1.294	1199.756	10.494
188.400	33.020	34.851	0.206	1.294	1199.756	10.479
188.600	32.968	34.819	0.205	1.295	1199.755	10.463
188.800	32.917	34.786	0.205	1.295	1199.755	10.448
189.000	32.865	34.754	0.205	1.295	1199.755	10.432
189.200	32.813	34.721	0.205	1.295	1199.755	10.417
189.400	32.761	34.689	0.205	1.295	1199.755	10.401
189.600	32.709	34.641	0.204	1.296	1199.754	10.371
189.800	32.658	34.592	0.204	1.296	1199.754	10.347
190.000	32.606	34.527	0.204	1.296	1199.754	10.324
190.200	32.554	34.479	0.204	1.296	1199.754	10.294
190.400	32.502	34.430	0.204	1.296	1199.754	10.271
190.600	32.451	34.365	0.203	1.297	1199.753	10.240
190.800	32.399	34.317	0.203	1.297	1199.753	10.217
191.000	32.347	34.252	0.203	1.297	1199.753	10.194
191.200	32.295	34.203	0.202	1.298	1199.752	10.164
191.400	32.243	34.155	0.202	1.298	1199.752	10.141
191.600	32.192	34.090	0.202	1.298	1199.752	10.118
191.800	32.140	34.041	0.202	1.298	1199.752	10.088
192.000	32.088	33.993	0.202	1.298	1199.752	10.065
192.200	32.036	33.928	0.201	1.299	1199.751	10.042
192.400	31.984	33.879	0.201	1.299	1199.751	10.012
192.600	31.933	33.831	0.201	1.299	1199.751	9.989
192.800	31.881	33.766	0.201	1.299	1199.751	9.966
193.000	31.829	33.717	0.200	1.300	1199.750	9.936
193.200	31.777	33.669	0.200	1.300	1199.750	9.914
193.400	31.725	33.604	0.200	1.300	1199.750	9.891
193.600	31.674	33.556	0.200	1.301	1199.750	9.861
193.800	31.622	33.507	0.199	1.301	1199.749	9.839
194.000	31.570	33.442	0.199	1.301	1199.749	9.809
194.200	31.518	33.394	0.199	1.301	1199.749	9.786
194.400	31.467	33.329	0.199	1.301	1199.749	9.764
194.600	31.415	33.280	0.198	1.302	1199.748	9.734
194.800	31.363	33.232	0.198	1.302	1199.748	9.712

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
195.000	31.311	33.167	0.198	1.302	1199.748	9.689
195.200	31.259	33.118	0.197	1.303	1199.747	9.660
195.400	31.208	33.070	0.197	1.303	1199.747	9.637
195.600	31.156	33.005	0.197	1.303	1199.747	9.615
195.800	31.104	32.956	0.197	1.303	1199.747	9.586
196.000	31.052	32.908	0.197	1.303	1199.747	9.563
196.200	31.000	32.843	0.196	1.304	1199.746	9.541
196.400	30.949	32.794	0.196	1.304	1199.746	9.512
196.600	30.897	32.746	0.196	1.304	1199.746	9.490
196.800	30.845	32.681	0.196	1.304	1199.746	9.468
197.000	30.793	32.632	0.195	1.305	1199.745	9.438
197.200	30.741	32.584	0.195	1.305	1199.745	9.416
197.400	30.690	32.519	0.195	1.305	1199.745	9.394
197.600	30.638	32.471	0.195	1.305	1199.745	9.365
197.800	30.586	32.422	0.194	1.306	1199.744	9.343
198.000	30.534	32.357	0.194	1.306	1199.744	9.314
198.200	30.483	32.309	0.194	1.306	1199.744	9.292
198.400	30.431	32.244	0.194	1.306	1199.744	9.270
198.600	30.379	32.195	0.193	1.307	1199.743	9.241
198.800	30.327	32.147	0.193	1.307	1199.743	9.219
199.000	30.275	32.082	0.193	1.307	1199.743	9.198
199.200	30.224	32.033	0.193	1.307	1199.743	9.169
199.400	30.172	31.985	0.192	1.308	1199.742	9.147
199.600	30.120	31.920	0.192	1.308	1199.742	9.125
199.800	30.068	31.871	0.192	1.308	1199.742	9.097
200.000	30.016	31.823	0.192	1.308	1199.742	9.075
200.200	29.965	31.758	0.191	1.309	1199.741	9.054
200.400	29.913	31.709	0.191	1.309	1199.741	9.025
200.600	29.861	31.661	0.191	1.309	1199.741	9.003
200.800	29.809	31.596	0.191	1.309	1199.741	8.982
201.000	29.757	31.547	0.190	1.310	1199.740	8.953
201.200	29.706	31.499	0.190	1.310	1199.740	8.932
201.400	29.654	31.434	0.190	1.310	1199.740	8.911
201.600	29.602	31.386	0.190	1.310	1199.740	8.882
201.800	29.550	31.337	0.189	1.311	1199.739	8.861
202.000	29.499	31.272	0.189	1.311	1199.739	8.839
202.200	29.447	31.224	0.189	1.311	1199.739	8.811
202.400	29.395	31.159	0.189	1.311	1199.739	8.790
202.600	29.343	31.110	0.188	1.312	1199.738	8.762
202.800	29.291	31.062	0.188	1.312	1199.738	8.740
203.000	29.240	30.997	0.188	1.312	1199.738	8.719
203.200	29.188	30.948	0.188	1.312	1199.738	8.691
203.400	29.136	30.900	0.187	1.313	1199.737	8.670
203.600	29.084	30.835	0.187	1.313	1199.737	8.649
203.800	29.032	30.786	0.187	1.313	1199.737	8.621
204.000	28.969	30.722	0.186	1.314	1199.736	8.593
204.200	28.906	30.657	0.186	1.314	1199.736	8.565
204.400	28.842	30.592	0.186	1.314	1199.736	8.537
204.600	28.778	30.527	0.186	1.314	1199.736	8.509
204.800	28.715	30.462	0.185	1.315	1199.735	8.482
205.000	28.651	30.398	0.185	1.315	1199.735	8.454
205.200	28.587	30.333	0.185	1.315	1199.735	8.426
205.400	28.524	30.268	0.184	1.316	1199.734	8.398
205.600	28.460	30.203	0.184	1.316	1199.734	8.371
205.800	28.396	30.139	0.184	1.316	1199.734	8.343
206.000	28.333	30.074	0.184	1.317	1199.734	8.316
206.200	28.269	30.009	0.183	1.317	1199.733	8.288
206.400	28.205	29.944	0.183	1.317	1199.733	8.261
206.600	28.142	29.879	0.183	1.317	1199.733	8.233
206.800	28.078	29.815	0.182	1.318	1199.732	8.206
207.000	28.014	29.750	0.182	1.318	1199.732	8.179
207.200	27.951	29.685	0.182	1.318	1199.732	8.152
207.400	27.887	29.620	0.181	1.319	1199.731	8.124
207.600	27.823	29.556	0.181	1.319	1199.731	8.097
207.800	27.760	29.491	0.181	1.319	1199.731	8.070
208.000	27.696	29.426	0.181	1.319	1199.731	8.043
208.200	27.632	29.361	0.180	1.320	1199.730	8.016
208.400	27.569	29.296	0.180	1.320	1199.730	7.989
208.600	27.505	29.232	0.180	1.320	1199.730	7.962
208.800	27.441	29.167	0.179	1.321	1199.729	7.935
209.000	27.378	29.102	0.179	1.321	1199.729	7.909
209.200	27.314	29.037	0.179	1.321	1199.729	7.882
209.400	27.250	28.973	0.178	1.322	1199.728	7.855
209.600	27.187	28.908	0.178	1.322	1199.728	7.828
209.800	27.123	28.843	0.178	1.322	1199.728	7.802
210.000	27.059	28.778	0.178	1.322	1199.728	7.775
210.200	26.992	28.713	0.177	1.323	1199.727	7.749
210.400	26.922	28.649	0.177	1.323	1199.727	7.722
210.600	26.852	28.584	0.177	1.323	1199.727	7.696
210.800	26.782	28.519	0.176	1.324	1199.726	7.669
211.000	26.712	28.454	0.176	1.324	1199.726	7.643
211.200	26.642	28.390	0.176	1.324	1199.726	7.617
211.400	26.572	28.325	0.175	1.325	1199.725	7.591

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
211.600	26.502	28.260	0.175	1.325	1199.725	7.564
211.800	26.432	28.195	0.175	1.325	1199.725	7.538
212.000	26.362	28.130	0.175	1.325	1199.725	7.512
212.200	26.292	28.066	0.174	1.326	1199.724	7.486
212.400	26.222	28.001	0.174	1.326	1199.724	7.460
212.600	26.152	27.936	0.174	1.326	1199.724	7.434
212.800	26.082	27.871	0.173	1.327	1199.723	7.408
213.000	26.012	27.807	0.173	1.327	1199.723	7.382
213.200	25.942	27.742	0.173	1.327	1199.723	7.356
213.400	25.872	27.677	0.172	1.328	1199.722	7.331
213.600	25.802	27.612	0.172	1.328	1199.722	7.305
213.800	25.732	27.547	0.172	1.328	1199.722	7.279
214.000	25.662	27.483	0.172	1.328	1199.722	7.254
214.200	25.592	27.418	0.171	1.329	1199.721	7.228
214.400	25.522	27.353	0.171	1.329	1199.721	7.202
214.600	25.452	27.288	0.171	1.329	1199.721	7.177
214.800	25.381	27.224	0.170	1.330	1199.720	7.151
215.000	25.311	27.159	0.170	1.330	1199.720	7.126
215.200	25.241	27.094	0.170	1.330	1199.720	7.101
215.400	25.171	27.029	0.170	1.330	1199.720	7.075
215.600	25.101	26.965	0.169	1.331	1199.719	7.050
215.800	25.031	26.900	0.169	1.331	1199.719	7.025
216.000	24.961	26.835	0.169	1.331	1199.719	7.000
216.200	24.891	26.770	0.168	1.332	1199.718	6.975
216.400	24.821	26.705	0.168	1.332	1199.718	6.950
216.600	24.751	26.641	0.168	1.332	1199.718	6.925
216.800	24.681	26.576	0.167	1.333	1199.717	6.900
217.000	24.611	26.511	0.167	1.333	1199.717	6.875
217.200	24.541	26.446	0.167	1.333	1199.717	6.850
217.400	24.471	26.382	0.167	1.333	1199.717	6.825
217.600	24.401	26.317	0.166	1.334	1199.716	6.800
217.800	24.331	26.252	0.166	1.334	1199.716	6.775
218.000	24.261	26.187	0.166	1.334	1199.716	6.751
218.200	24.191	26.122	0.165	1.335	1199.715	6.726
218.400	24.121	26.058	0.165	1.335	1199.715	6.701
218.600	24.051	25.993	0.165	1.335	1199.715	6.677
218.800	23.978	25.928	0.164	1.336	1199.714	6.652
219.000	23.901	25.863	0.164	1.336	1199.714	6.628
219.200	23.825	25.799	0.164	1.336	1199.714	6.603
219.400	23.748	25.734	0.164	1.336	1199.714	6.579
219.600	23.672	25.669	0.163	1.337	1199.713	6.555
219.800	23.595	25.604	0.163	1.337	1199.713	6.530
220.000	23.519	25.539	0.163	1.337	1199.713	6.506
220.200	23.443	25.475	0.162	1.338	1199.712	6.482
220.400	23.366	25.410	0.162	1.338	1199.712	6.458
220.600	23.290	25.345	0.162	1.338	1199.712	6.434
220.800	23.213	25.280	0.161	1.339	1199.711	6.410
221.000	23.137	25.216	0.161	1.339	1199.711	6.386
221.200	23.061	25.151	0.161	1.339	1199.711	6.362
221.400	22.984	25.086	0.161	1.339	1199.711	6.338
221.600	22.908	25.021	0.160	1.340	1199.710	6.314
221.800	22.831	24.956	0.160	1.340	1199.710	6.290
222.000	22.755	24.892	0.160	1.340	1199.710	6.266
222.200	22.679	24.827	0.159	1.341	1199.709	6.243
222.400	22.602	24.762	0.159	1.341	1199.709	6.219
222.600	22.526	24.697	0.159	1.341	1199.709	6.195
222.800	22.422	24.633	0.159	1.342	1199.709	6.172
223.000	22.312	24.568	0.158	1.342	1199.708	6.148
223.200	22.201	24.503	0.158	1.342	1199.708	6.125
223.400	22.090	24.438	0.158	1.342	1199.708	6.101
223.600	21.979	24.373	0.157	1.343	1199.707	6.078
223.800	21.869	24.309	0.157	1.343	1199.707	6.049
224.000	21.758	24.212	0.156	1.344	1199.706	6.014
224.200	21.647	24.114	0.156	1.344	1199.706	5.979
224.400	21.537	24.017	0.156	1.344	1199.706	5.944
224.600	21.426	23.920	0.155	1.345	1199.705	5.910
224.800	21.315	23.823	0.155	1.345	1199.705	5.875
225.000	21.205	23.726	0.154	1.346	1199.704	5.841
225.200	21.094	23.629	0.154	1.346	1199.704	5.807
225.400	20.983	23.531	0.153	1.347	1199.703	5.773
225.600	20.873	23.434	0.153	1.347	1199.703	5.738
225.800	20.762	23.337	0.152	1.348	1199.702	5.704
226.000	20.651	23.250	0.152	1.348	1199.702	5.671
226.200	20.540	23.181	0.152	1.348	1199.702	5.637
226.400	20.421	23.113	0.151	1.349	1199.701	5.603
226.600	20.301	23.045	0.151	1.349	1199.701	5.570
226.800	20.181	22.977	0.150	1.350	1199.700	5.536
227.000	20.061	22.909	0.150	1.350	1199.700	5.503
227.200	19.941	22.840	0.149	1.351	1199.699	5.470
227.400	19.821	22.772	0.149	1.351	1199.699	5.437
227.600	19.701	22.704	0.148	1.352	1199.698	5.404
227.800	19.581	22.636	0.148	1.352	1199.698	5.371
228.000	19.461	22.568	0.148	1.352	1199.698	5.338

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
228.200	19.341	22.500	0.147	1.353	1199.697	5.305
228.400	19.221	22.420	0.147	1.353	1199.697	5.262
228.600	19.101	22.329	0.146	1.354	1199.696	5.218
228.800	18.981	22.238	0.145	1.355	1199.695	5.175
229.000	18.862	22.147	0.145	1.355	1199.695	5.132
229.200	18.742	22.056	0.144	1.356	1199.694	5.090
229.400	18.622	21.965	0.144	1.356	1199.694	5.047
229.600	18.502	21.875	0.143	1.357	1199.693	5.005
229.800	18.382	21.784	0.142	1.358	1199.692	4.963
230.000	18.262	21.693	0.142	1.358	1199.692	4.921
230.200	18.142	21.602	0.141	1.359	1199.691	4.879
230.400	18.022	21.511	0.141	1.359	1199.691	4.837
230.600	17.902	21.420	0.140	1.360	1199.690	4.796
230.800	17.782	21.329	0.139	1.361	1199.689	4.754
231.000	17.662	21.238	0.139	1.361	1199.689	4.713
231.200	17.542	21.147	0.138	1.362	1199.688	4.672
231.400	17.422	21.056	0.138	1.362	1199.688	4.632
231.600	17.303	20.965	0.137	1.363	1199.687	4.591
231.800	17.183	20.875	0.136	1.364	1199.686	4.551
232.000	17.063	20.784	0.136	1.364	1199.686	4.511
232.200	16.943	20.693	0.135	1.365	1199.685	4.466
232.400	16.823	20.579	0.134	1.366	1199.684	4.416
232.600	16.703	20.465	0.134	1.366	1199.684	4.366
232.800	16.583	20.352	0.133	1.367	1199.683	4.317
233.000	16.463	20.238	0.132	1.368	1199.682	4.268
233.200	16.343	20.125	0.131	1.369	1199.681	4.220
233.400	16.214	20.011	0.131	1.369	1199.681	4.172
233.600	16.085	19.897	0.130	1.370	1199.680	4.124
233.800	15.956	19.784	0.129	1.371	1199.679	4.076
234.000	15.827	19.670	0.128	1.372	1199.678	4.028
234.200	15.697	19.556	0.128	1.372	1199.678	3.981
234.400	15.568	19.443	0.127	1.373	1199.677	3.934
234.600	15.439	19.329	0.126	1.374	1199.676	3.888
234.800	15.310	19.216	0.125	1.375	1199.675	3.842
235.000	15.181	19.102	0.125	1.375	1199.675	3.795
235.200	15.052	18.988	0.124	1.376	1199.674	3.750
235.400	14.923	18.875	0.123	1.377	1199.673	3.704
235.600	14.793	18.761	0.122	1.378	1199.672	3.659
235.800	14.664	18.647	0.122	1.378	1199.672	3.614
236.000	14.535	18.534	0.121	1.379	1199.671	3.570
236.200	14.406	18.420	0.120	1.380	1199.670	3.525
236.400	14.277	18.306	0.120	1.380	1199.670	3.481
236.600	14.148	18.181	0.119	1.381	1199.669	3.429
236.800	14.019	18.045	0.118	1.382	1199.668	3.377
237.000	13.889	17.909	0.117	1.383	1199.667	3.325
237.200	13.760	17.772	0.116	1.384	1199.666	3.274
237.400	13.631	17.636	0.115	1.385	1199.665	3.223
237.600	13.493	17.500	0.114	1.386	1199.664	3.173
237.800	13.354	17.363	0.113	1.387	1199.663	3.123
238.000	13.216	17.227	0.112	1.388	1199.662	3.073
238.200	13.078	17.091	0.111	1.389	1199.661	3.024
238.400	12.892	16.954	0.111	1.389	1199.661	2.975
238.600	12.700	16.818	0.110	1.390	1199.660	2.927
238.800	12.509	16.681	0.109	1.391	1199.659	2.879
239.000	12.317	16.545	0.108	1.392	1199.658	2.831
239.200	12.126	16.409	0.107	1.393	1199.657	2.780
239.400	11.935	16.250	0.106	1.394	1199.656	2.726
239.600	11.743	16.091	0.105	1.395	1199.655	2.672
239.800	11.552	15.931	0.104	1.396	1199.654	2.619
240.000	11.361	15.772	0.103	1.397	1199.653	2.566
240.200	11.169	15.613	0.102	1.398	1199.652	2.514
240.400	10.978	15.454	0.101	1.399	1199.651	2.462
240.600	10.787	15.295	0.100	1.400	1199.650	2.411
240.800	10.595	15.136	0.099	1.401	1199.649	2.357
241.000	10.404	14.954	0.097	1.403	1199.647	2.300
241.200	10.212	14.772	0.096	1.404	1199.646	2.243
241.400	10.021	14.591	0.095	1.405	1199.645	2.188
241.600	9.830	14.409	0.094	1.406	1199.644	2.133
241.800	9.638	14.227	0.093	1.407	1199.643	2.078
242.000	9.447	14.045	0.091	1.409	1199.641	2.025
242.200	9.256	13.863	0.090	1.410	1199.640	1.972
242.400	9.064	13.682	0.089	1.411	1199.639	1.917
242.600	8.873	13.477	0.088	1.412	1199.638	1.859
242.800	8.682	13.272	0.086	1.414	1199.636	1.802
243.000	8.490	13.068	0.085	1.415	1199.635	1.746
243.200	8.299	12.863	0.084	1.416	1199.634	1.691
243.400	8.107	12.659	0.082	1.418	1199.632	1.637
243.600	7.916	12.454	0.081	1.419	1199.631	1.584
243.800	7.725	12.250	0.080	1.420	1199.630	1.531
244.000	7.533	12.045	0.078	1.422	1199.628	1.480
244.200	7.342	11.829	0.077	1.423	1199.627	1.424
244.400	7.151	11.602	0.075	1.425	1199.625	1.368
244.600	6.959	11.375	0.074	1.426	1199.624	1.314

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
244.800	6.768	11.148	0.072	1.428	1199.622	1.262
245.000	6.577	10.920	0.071	1.429	1199.621	1.210
245.200	6.385	10.693	0.069	1.431	1199.619	1.159
245.400	6.194	10.466	0.068	1.432	1199.618	1.110
245.600	6.002	10.238	0.066	1.434	1199.616	1.061
245.800	5.811	10.000	0.065	1.435	1199.615	1.009
246.000	5.620	9.750	0.063	1.437	1199.613	0.958
246.200	5.428	9.500	0.061	1.439	1199.611	0.909
246.400	5.237	9.250	0.060	1.440	1199.610	0.861
246.600	5.046	9.000	0.058	1.442	1199.608	0.814
246.800	4.854	8.750	0.056	1.444	1199.606	0.769
247.000	4.663	8.500	0.055	1.445	1199.605	0.725
247.200	4.472	8.238	0.053	1.447	1199.603	0.678
247.400	4.280	7.966	0.051	1.449	1199.601	0.633
247.600	4.089	7.693	0.049	1.451	1199.599	0.590
247.800	3.897	7.420	0.048	1.452	1199.598	0.548
248.000	3.706	7.148	0.046	1.454	1199.596	0.508
248.200	3.515	6.875	0.044	1.456	1199.594	0.469
248.400	3.330	6.602	0.042	1.458	1199.592	0.432
248.600	3.151	6.329	0.041	1.459	1199.591	0.396
248.800	2.973	6.057	0.039	1.461	1199.589	0.362
249.000	2.794	5.784	0.037	1.463	1199.587	0.329
249.200	2.615	5.511	0.035	1.465	1199.585	0.297
249.400	2.449	5.227	0.033	1.467	1199.583	0.268
249.600	2.284	4.954	0.032	1.468	1199.582	0.240
249.800	2.118	4.682	0.030	1.470	1199.580	0.213
250.000	1.965	4.409	0.028	1.472	1199.578	0.189
250.200	1.812	4.136	0.026	1.474	1199.576	0.165
250.400	1.658	3.864	0.024	1.476	1199.574	0.144
250.600	1.518	3.591	0.023	1.477	1199.573	0.123
250.800	1.378	3.318	0.021	1.479	1199.571	0.105
251.000	1.250	3.045	0.019	1.481	1199.569	0.087
251.200	1.123	2.773	0.017	1.483	1199.567	0.072
251.400	1.008	2.523	0.016	1.484	1199.566	0.059
251.600	0.893	2.273	0.014	1.486	1199.564	0.048
251.800	0.791	2.034	0.013	1.487	1199.563	0.038
252.000	0.695	1.807	0.011	1.489	1199.561	0.030
252.200	0.606	1.591	0.010	1.490	1199.560	0.023
252.400	0.523	1.386	0.008	1.492	1199.558	0.017
252.600	0.447	1.193	0.007	1.493	1199.557	0.013
252.800	0.383	1.023	0.006	1.494	1199.556	0.009
253.000	0.325	0.864	0.005	1.495	1199.555	0.007
253.200	0.274	0.727	0.004	1.496	1199.554	0.004
253.400	0.236	0.602	0.004	1.496	1199.554	0.003
253.600	0.198	0.500	0.003	1.497	1199.553	0.002
253.800	0.166	0.409	0.002	1.498	1199.552	0.001
254.000	0.140	0.341	0.002	1.498	1199.552	0.001
254.200	0.115	0.273	0.002	1.498	1199.552	0.001
254.400	0.102	0.227	0.001	1.499	1199.551	0.000
254.600	0.089	0.182	0.001	1.499	1199.551	0.000
254.800	0.077	0.159	0.001	1.499	1199.551	0.000
255.000	0.064	0.136	0.001	1.499	1199.551	0.000
255.200	0.051	0.114	0.001	1.499	1199.551	0.000
255.400	0.051	0.091	0.001	1.499	1199.551	0.000
255.600	0.051	0.000	0.001	1.499	1199.551	0.000





ARQUITETURA + URBANISMO
 CLN nº 01.818.900 - CEP 70.743-900
 BRASÍLIA - DF - FONE: 01 3034 3700

CANAL: PO-08A

DATA: 18.12.2019

IMPULT DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	353.158	COTA DE FUNDO JUSANTE (m)			
VAZÃO DE SAÍDA MAX. (l/s)	28.20	43.672	COTA VERTEDOIRO (m)			
PROFUNDIDADE MAX. (m)	28.00	0.940	COTA DO ORIFÍCIO (m)			
FREEBOARD MIN. (m)	28.00	0.560	VERTEDOIRO DE CONTROLE (cm)			
NA MAX. (m)	28.00	1,195.590	VERTEDOIRO DE DESCARGA (cm)			
VOLUME MAX (m³)	28.00	264.94	DRENO DE FUNDO 3X Ø (mm)			
VOLUME TOTAL (m³)		551.47	COEF. DE DESCARGA DO VERTEDOIRO			
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO			
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1194.650	0.000
0.200	4.709	0.128	0.005	1.495	1194.655	0.009
0.400	9.418	0.823	0.014	1.486	1194.664	0.063
0.600	14.126	1.607	0.023	1.477	1194.673	0.172
0.800	18.835	2.398	0.033	1.467	1194.683	0.336
1.000	23.544	3.189	0.042	1.458	1194.692	0.555
1.200	28.253	3.987	0.051	1.449	1194.701	0.829
1.400	32.961	4.784	0.060	1.440	1194.710	1.153
1.600	37.670	5.562	0.069	1.431	1194.719	1.525
1.800	42.379	6.328	0.078	1.422	1194.728	1.946
2.000	47.088	7.087	0.087	1.413	1194.737	2.412
2.200	51.797	7.840	0.096	1.404	1194.746	2.927
2.400	56.505	8.592	0.105	1.395	1194.755	3.488
2.600	61.214	9.332	0.113	1.387	1194.763	4.095
2.800	65.923	10.072	0.122	1.378	1194.772	4.752
3.000	70.632	10.812	0.130	1.370	1194.780	5.459
3.200	75.340	11.552	0.139	1.361	1194.789	6.216
3.400	80.049	12.286	0.148	1.352	1194.798	7.009
3.600	84.758	13.013	0.156	1.344	1194.806	7.852
3.800	89.467	13.553	0.165	1.335	1194.815	8.744
4.000	94.176	14.079	0.173	1.327	1194.823	9.686
4.200	98.884	14.604	0.181	1.319	1194.831	10.678
4.400	103.593	15.130	0.190	1.310	1194.840	11.720
4.600	108.302	15.656	0.198	1.302	1194.848	12.812
4.800	113.011	16.182	0.207	1.293	1194.857	13.955
5.000	117.719	16.708	0.215	1.285	1194.865	15.149
5.200	122.428	17.233	0.224	1.276	1194.874	16.395
5.400	127.137	17.759	0.232	1.268	1194.882	17.692
5.600	131.846	18.285	0.241	1.259	1194.891	19.041
5.800	136.555	18.811	0.249	1.251	1194.899	20.441
6.000	141.263	19.337	0.258	1.242	1194.908	21.893
6.200	145.972	19.862	0.266	1.234	1194.916	23.399
6.400	150.681	20.388	0.275	1.225	1194.925	24.957
6.600	155.390	20.914	0.283	1.217	1194.933	26.569
6.800	160.098	21.440	0.292	1.208	1194.942	28.233
7.000	164.807	21.961	0.300	1.200	1194.950	29.920
7.200	169.516	22.478	0.308	1.192	1194.958	31.659
7.400	174.225	22.844	0.317	1.183	1194.967	33.450
7.600	178.934	23.201	0.325	1.175	1194.975	35.294
7.800	183.642	23.557	0.333	1.167	1194.983	37.191
8.000	188.351	23.914	0.342	1.158	1194.992	39.140
8.200	193.060	24.270	0.350	1.150	1195.000	41.142
8.400	197.769	24.627	0.358	1.142	1195.008	43.197
8.600	202.477	24.984	0.367	1.133	1195.017	45.306
8.800	207.186	25.340	0.375	1.125	1195.025	47.469
9.000	211.895	25.697	0.383	1.117	1195.033	49.687
9.200	216.604	26.053	0.392	1.108	1195.042	51.958
9.400	221.313	26.410	0.400	1.100	1195.050	54.284
9.600	226.021	26.766	0.408	1.092	1195.058	56.664
9.800	230.730	27.123	0.417	1.083	1195.067	59.100
10.000	235.439	27.479	0.425	1.075	1195.075	61.591
10.200	240.148	27.836	0.433	1.067	1195.083	64.138
10.400	244.856	28.193	0.442	1.058	1195.092	66.740
10.600	249.565	28.549	0.450	1.050	1195.100	69.398
10.800	254.274	28.906	0.458	1.042	1195.108	72.108
11.000	258.983	29.219	0.467	1.033	1195.117	74.870
11.200	263.692	29.509	0.475	1.025	1195.125	77.683
11.400	268.400	29.799	0.483	1.017	1195.133	80.546
11.600	273.109	30.089	0.492	1.008	1195.142	83.460
11.800	277.818	30.379	0.500	1.000	1195.150	86.425
12.000	282.527	30.669	0.508	0.992	1195.158	89.422
12.200	287.235	30.962	0.517	0.983	1195.167	92.487
12.400	291.944	31.257	0.525	0.975	1195.175	95.595
12.600	296.653	31.557	0.534	0.966	1195.184	98.746
12.800	301.362	31.860	0.543	0.957	1195.193	101.967
13.000	306.071	32.166	0.552	0.948	1195.202	105.232
13.200	310.779	32.476	0.561	0.939	1195.211	108.541

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	315.488	32.790	0.570	0.930	1195.220	111.923
13.600	320.197	33.106	0.579	0.921	1195.229	115.350
13.800	324.906	33.427	0.588	0.912	1195.238	118.823
14.000	329.614	33.750	0.598	0.902	1195.248	122.370
14.200	334.323	34.077	0.607	0.893	1195.257	125.936
14.400	339.032	34.396	0.616	0.884	1195.266	129.577
14.600	343.741	34.683	0.626	0.874	1195.276	133.267
14.800	348.450	34.974	0.636	0.864	1195.286	137.004
15.000	353.158	35.265	0.645	0.855	1195.295	140.791
15.200	348.450	35.561	0.655	0.845	1195.305	144.598
15.400	343.741	35.850	0.665	0.835	1195.315	148.308
15.600	339.033	36.132	0.674	0.826	1195.324	151.978
15.800	334.324	36.407	0.683	0.817	1195.333	155.577
16.000	329.615	36.678	0.692	0.808	1195.342	159.135
16.200	324.906	36.945	0.701	0.799	1195.351	162.620
16.400	320.197	37.205	0.709	0.791	1195.359	166.061
16.600	315.489	37.458	0.718	0.782	1195.368	169.427
16.800	310.780	37.706	0.726	0.774	1195.376	172.748
17.000	306.071	37.951	0.734	0.766	1195.384	175.992
17.200	301.362	38.188	0.742	0.758	1195.392	179.188
17.400	296.654	38.421	0.749	0.751	1195.399	182.336
17.600	291.945	38.647	0.757	0.743	1195.407	185.404
17.800	287.236	38.869	0.764	0.736	1195.414	188.422
18.000	282.527	39.069	0.771	0.729	1195.421	191.359
18.200	277.818	39.257	0.778	0.722	1195.428	194.244
18.400	273.110	39.441	0.785	0.715	1195.435	197.077
18.600	268.401	39.621	0.791	0.709	1195.441	199.858
18.800	263.692	39.797	0.798	0.702	1195.448	202.584
19.000	258.983	39.970	0.804	0.696	1195.454	205.257
19.200	254.275	40.136	0.810	0.690	1195.460	207.844
19.400	249.566	40.298	0.816	0.684	1195.466	210.375
19.600	244.857	40.456	0.822	0.678	1195.472	212.850
19.800	240.148	40.610	0.828	0.672	1195.478	215.269
20.000	235.439	40.761	0.833	0.667	1195.483	217.630
20.200	230.731	40.907	0.838	0.662	1195.488	219.934
20.400	226.022	41.049	0.844	0.656	1195.494	222.180
20.600	221.313	41.187	0.849	0.651	1195.499	224.367
20.800	216.604	41.321	0.854	0.646	1195.504	226.495
21.000	211.896	41.451	0.858	0.642	1195.508	228.564
21.200	207.187	41.578	0.863	0.637	1195.513	230.572
21.400	202.478	41.700	0.868	0.633	1195.518	232.520
21.600	197.769	41.818	0.872	0.628	1195.522	234.407
21.800	193.060	41.934	0.876	0.624	1195.526	236.266
22.000	188.352	42.046	0.880	0.620	1195.530	238.063
22.200	183.643	42.154	0.884	0.616	1195.534	239.798
22.400	178.934	42.258	0.888	0.612	1195.538	241.470
22.600	174.225	42.358	0.892	0.608	1195.542	243.080
22.800	169.517	42.455	0.895	0.605	1195.545	244.627
23.000	164.808	42.547	0.898	0.602	1195.548	246.111
23.200	160.099	42.635	0.902	0.598	1195.552	247.564
23.400	155.390	42.721	0.905	0.595	1195.555	248.953
23.600	150.681	42.803	0.908	0.592	1195.558	250.278
23.800	145.973	42.881	0.911	0.589	1195.561	251.538
24.000	141.264	42.955	0.913	0.587	1195.563	252.734
24.200	136.555	43.027	0.916	0.584	1195.566	253.897
24.400	131.846	43.090	0.918	0.582	1195.568	254.996
24.600	127.138	43.150	0.921	0.579	1195.571	256.029
24.800	122.429	43.205	0.923	0.577	1195.573	256.997
25.000	117.720	43.257	0.925	0.575	1195.575	257.932
25.200	113.011	43.308	0.927	0.573	1195.577	258.801
25.400	108.302	43.354	0.929	0.571	1195.579	259.605
25.600	103.594	43.397	0.930	0.570	1195.580	260.341
25.800	98.885	43.438	0.932	0.568	1195.582	261.045
26.000	94.176	43.475	0.933	0.567	1195.583	261.682
26.200	89.467	43.508	0.934	0.566	1195.584	262.253
26.400	84.759	43.538	0.936	0.564	1195.586	262.790
26.600	80.050	43.566	0.937	0.563	1195.587	263.261
26.800	75.341	43.590	0.938	0.562	1195.588	263.664
27.000	70.632	43.611	0.938	0.562	1195.588	264.000
27.200	65.923	43.629	0.939	0.561	1195.589	264.303
27.400	61.215	43.644	0.940	0.560	1195.590	264.538
27.600	56.506	43.655	0.940	0.560	1195.590	264.740
27.800	51.797	43.665	0.940	0.560	1195.590	264.875
28.000	47.088	43.670	0.940	0.560	1195.590	264.942
28.200	42.380	43.672	0.940	0.560	1195.590	264.942
28.400	37.671	43.672	0.940	0.560	1195.590	264.909
28.600	32.962	43.668	0.940	0.560	1195.590	264.808
28.800	28.253	43.661	0.940	0.560	1195.590	264.639
29.000	23.544	43.650	0.939	0.561	1195.589	264.438
29.200	18.836	43.637	0.939	0.561	1195.589	264.168
29.400	14.127	43.620	0.938	0.562	1195.588	263.832
29.600	9.418	43.601	0.937	0.563	1195.587	263.462
29.800	4.709	43.579	0.936	0.564	1195.586	263.025

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	0.001	43.553	0.935	0.565	1195.585	262.522
30.200	0.000	43.523	0.934	0.566	1195.584	261.984
30.400	0.000	43.494	0.933	0.567	1195.583	261.448
30.600	0.000	43.464	0.932	0.569	1195.582	260.911
30.800	0.000	43.434	0.930	0.570	1195.580	260.375
31.000	0.000	43.404	0.929	0.571	1195.579	259.839
31.200	0.000	43.375	0.928	0.572	1195.578	259.303
31.400	0.000	43.345	0.927	0.573	1195.577	258.768
31.600	0.000	43.315	0.926	0.574	1195.576	258.233
31.800	0.000	43.285	0.924	0.576	1195.574	257.698
32.000	0.000	43.256	0.923	0.577	1195.573	257.164
32.200	0.000	43.226	0.922	0.578	1195.572	256.630
32.400	0.000	43.196	0.921	0.579	1195.571	256.096
32.600	0.000	43.166	0.920	0.580	1195.570	255.563
32.800	0.000	43.137	0.918	0.582	1195.568	255.029
33.000	0.000	43.107	0.917	0.583	1195.567	254.497
33.200	0.000	43.077	0.916	0.584	1195.566	253.964
33.400	0.000	43.047	0.915	0.585	1195.565	253.432
33.600	0.000	43.017	0.914	0.586	1195.564	252.900
33.800	0.000	42.985	0.912	0.588	1195.562	252.368
34.000	0.000	42.953	0.911	0.589	1195.561	251.837
34.200	0.000	42.921	0.910	0.590	1195.560	251.306
34.400	0.000	42.889	0.909	0.591	1195.559	250.775
34.600	0.000	42.857	0.908	0.592	1195.558	250.244
34.800	0.000	42.825	0.906	0.594	1195.556	249.714
35.000	0.000	42.793	0.905	0.595	1195.555	249.184
35.200	0.000	42.761	0.904	0.596	1195.554	248.655
35.400	0.000	42.729	0.903	0.597	1195.553	248.126
35.600	0.000	42.697	0.902	0.598	1195.552	247.597
35.800	0.000	42.665	0.901	0.599	1195.551	247.068
36.000	0.000	42.633	0.899	0.601	1195.549	246.540
36.200	0.000	42.601	0.898	0.602	1195.548	246.012
36.400	0.000	42.569	0.897	0.603	1195.547	245.484
36.600	0.000	42.537	0.896	0.604	1195.546	244.957
36.800	0.000	42.505	0.895	0.605	1195.545	244.430
37.000	0.000	42.473	0.893	0.607	1195.543	243.903
37.200	0.000	42.441	0.892	0.608	1195.542	243.376
37.400	0.000	42.409	0.891	0.609	1195.541	242.850
37.600	0.000	42.376	0.890	0.610	1195.540	242.324
37.800	0.000	42.344	0.889	0.611	1195.539	241.799
38.000	0.000	42.312	0.887	0.613	1195.537	241.273
38.200	0.000	42.280	0.886	0.614	1195.536	240.748
38.400	0.000	42.248	0.885	0.615	1195.535	240.224
38.600	0.000	42.216	0.884	0.616	1195.534	239.699
38.800	0.000	42.184	0.883	0.617	1195.533	239.175
39.000	0.000	42.152	0.881	0.619	1195.531	238.652
39.200	0.000	42.120	0.880	0.620	1195.530	238.128
39.400	0.000	42.088	0.879	0.621	1195.529	237.605
39.600	0.000	42.056	0.878	0.622	1195.528	237.082
39.800	0.000	42.024	0.877	0.623	1195.527	236.560
40.000	0.000	41.992	0.876	0.624	1195.526	236.037
40.200	0.000	41.960	0.874	0.626	1195.524	235.515
40.400	0.000	41.928	0.873	0.627	1195.523	234.994
40.600	0.000	41.896	0.872	0.628	1195.522	234.472
40.800	0.000	41.864	0.871	0.629	1195.521	233.951
41.000	0.000	41.832	0.870	0.630	1195.520	233.431
41.200	0.000	41.800	0.868	0.632	1195.518	232.910
41.400	0.000	41.768	0.867	0.633	1195.517	232.390
41.600	0.000	41.736	0.866	0.634	1195.516	231.870
41.800	0.000	41.704	0.865	0.635	1195.515	231.351
42.000	0.000	41.672	0.864	0.636	1195.514	230.832
42.200	0.000	41.640	0.862	0.638	1195.512	230.313
42.400	0.000	41.608	0.861	0.639	1195.511	229.794
42.600	0.000	41.576	0.860	0.640	1195.510	229.276
42.800	0.000	41.544	0.859	0.641	1195.509	228.758
43.000	0.000	41.511	0.858	0.642	1195.508	228.240
43.200	0.000	41.479	0.856	0.644	1195.506	227.723
43.400	0.000	41.447	0.855	0.645	1195.505	227.206
43.600	0.000	41.415	0.854	0.646	1195.504	226.689
43.800	0.000	41.383	0.853	0.647	1195.503	226.172
44.000	0.000	41.351	0.852	0.648	1195.502	225.656
44.200	0.000	41.319	0.851	0.649	1195.501	225.140
44.400	0.000	41.287	0.849	0.651	1195.499	224.625
44.600	0.000	41.255	0.848	0.652	1195.498	224.109
44.800	0.000	41.223	0.847	0.653	1195.497	223.594
45.000	0.000	41.191	0.846	0.654	1195.496	223.080
45.200	0.000	41.159	0.845	0.655	1195.495	222.565
45.400	0.000	41.127	0.843	0.657	1195.493	222.051
45.600	0.000	41.095	0.842	0.658	1195.492	221.538
45.800	0.000	41.063	0.841	0.659	1195.491	221.024
46.000	0.000	41.031	0.840	0.660	1195.490	220.511
46.200	0.000	40.999	0.839	0.661	1195.489	219.998
46.400	0.000	40.967	0.837	0.663	1195.487	219.486

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
46.600	0.000	40.935	0.836	0.664	1195.486	218.973
46.800	0.000	40.903	0.835	0.665	1195.485	218.461
47.000	0.000	40.871	0.834	0.666	1195.484	217.950
47.200	0.000	40.839	0.833	0.667	1195.483	217.438
47.400	0.000	40.807	0.831	0.669	1195.481	216.927
47.600	0.000	40.775	0.830	0.670	1195.480	216.417
47.800	0.000	40.743	0.829	0.671	1195.479	215.906
48.000	0.000	40.711	0.828	0.672	1195.478	215.396
48.200	0.000	40.678	0.827	0.673	1195.477	214.886
48.400	0.000	40.646	0.826	0.674	1195.476	214.377
48.600	0.000	40.614	0.824	0.676	1195.474	213.868
48.800	0.000	40.582	0.823	0.677	1195.473	213.359
49.000	0.000	40.550	0.822	0.678	1195.472	212.850
49.200	0.000	40.518	0.821	0.679	1195.471	212.342
49.400	0.000	40.486	0.820	0.680	1195.470	211.834
49.600	0.000	40.454	0.818	0.682	1195.468	211.326
49.800	0.000	40.422	0.817	0.683	1195.467	210.819
50.000	0.000	40.390	0.816	0.684	1195.466	210.312
50.200	0.000	40.358	0.815	0.685	1195.465	209.805
50.400	0.000	40.326	0.814	0.686	1195.464	209.298
50.600	0.000	40.294	0.812	0.688	1195.462	208.792
50.800	0.000	40.262	0.811	0.689	1195.461	208.286
51.000	0.000	40.230	0.810	0.690	1195.460	207.781
51.200	0.000	40.198	0.809	0.691	1195.459	207.275
51.400	0.000	40.166	0.808	0.692	1195.458	206.770
51.600	0.000	40.134	0.806	0.694	1195.456	206.266
51.800	0.000	40.102	0.805	0.695	1195.455	205.761
52.000	0.000	40.070	0.804	0.696	1195.454	205.257
52.200	0.000	40.038	0.803	0.697	1195.453	204.753
52.400	0.000	40.006	0.802	0.698	1195.452	204.250
52.600	0.000	39.974	0.801	0.699	1195.451	203.747
52.800	0.000	39.942	0.799	0.701	1195.449	203.244
53.000	0.000	39.910	0.798	0.702	1195.448	202.741
53.200	0.000	39.878	0.797	0.703	1195.447	202.239
53.400	0.000	39.845	0.796	0.704	1195.446	201.737
53.600	0.000	39.813	0.795	0.705	1195.445	201.236
53.800	0.000	39.781	0.793	0.707	1195.443	200.734
54.000	0.000	39.749	0.792	0.708	1195.442	200.233
54.200	0.000	39.717	0.791	0.709	1195.441	199.732
54.400	0.000	39.685	0.790	0.710	1195.440	199.232
54.600	0.000	39.653	0.789	0.711	1195.439	198.732
54.800	0.000	39.621	0.787	0.713	1195.437	198.232
55.000	0.000	39.589	0.786	0.714	1195.436	197.733
55.200	0.000	39.557	0.785	0.715	1195.435	197.233
55.400	0.000	39.525	0.784	0.716	1195.434	196.734
55.600	0.000	39.493	0.783	0.717	1195.433	196.236
55.800	0.000	39.461	0.781	0.719	1195.431	195.737
56.000	0.000	39.429	0.780	0.720	1195.430	195.239
56.200	0.000	39.397	0.779	0.721	1195.429	194.742
56.400	0.000	39.365	0.778	0.722	1195.428	194.244
56.600	0.000	39.333	0.777	0.723	1195.427	193.747
56.800	0.000	39.301	0.776	0.724	1195.426	193.250
57.000	0.000	39.269	0.774	0.726	1195.424	192.754
57.200	0.000	39.237	0.773	0.727	1195.423	192.258
57.400	0.000	39.205	0.772	0.728	1195.422	191.762
57.600	0.000	39.173	0.771	0.729	1195.421	191.266
57.800	0.000	39.141	0.770	0.730	1195.420	190.771
58.000	0.000	39.109	0.768	0.732	1195.418	190.276
58.200	0.000	39.077	0.767	0.733	1195.417	189.781
58.400	0.000	39.045	0.766	0.734	1195.416	189.287
58.600	0.000	39.012	0.765	0.735	1195.415	188.793
58.800	0.000	38.980	0.764	0.736	1195.414	188.299
59.000	0.000	38.948	0.762	0.738	1195.412	187.805
59.200	0.000	38.916	0.761	0.739	1195.411	187.312
59.400	0.000	38.880	0.760	0.740	1195.410	186.819
59.600	0.000	38.844	0.759	0.741	1195.409	186.327
59.800	0.000	38.808	0.758	0.742	1195.408	185.834
60.000	0.000	38.773	0.756	0.744	1195.406	185.342
60.200	0.000	38.737	0.755	0.745	1195.405	184.851
60.400	0.000	38.701	0.754	0.746	1195.404	184.359
60.600	0.000	38.665	0.753	0.747	1195.403	183.868
60.800	0.000	38.629	0.752	0.748	1195.402	183.378
61.000	0.000	38.593	0.751	0.749	1195.401	182.887
61.200	0.000	38.558	0.749	0.751	1195.399	182.397
61.400	0.000	38.522	0.748	0.752	1195.398	181.907
61.600	0.000	38.486	0.747	0.753	1195.397	181.418
61.800	0.000	38.450	0.746	0.754	1195.396	180.928
62.000	0.000	38.414	0.745	0.755	1195.395	180.439
62.200	0.000	38.378	0.743	0.757	1195.393	179.951
62.400	0.000	38.342	0.742	0.758	1195.392	179.462
62.600	0.000	38.307	0.741	0.759	1195.391	178.974
62.800	0.000	38.271	0.740	0.760	1195.390	178.487
63.000	0.000	38.235	0.739	0.761	1195.389	177.999

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
63.200	0.000	38.199	0.737	0.763	1195.387	177.512
63.400	0.000	38.163	0.736	0.764	1195.386	177.025
63.600	0.000	38.127	0.735	0.765	1195.385	176.539
63.800	0.000	38.092	0.734	0.766	1195.384	176.052
64.000	0.000	38.056	0.733	0.767	1195.383	175.566
64.200	0.000	38.020	0.731	0.769	1195.381	175.081
64.400	0.000	37.984	0.730	0.770	1195.380	174.595
64.600	0.000	37.948	0.729	0.771	1195.379	174.110
64.800	0.000	37.912	0.728	0.772	1195.378	173.626
65.000	0.000	37.877	0.727	0.773	1195.377	173.141
65.200	0.000	37.841	0.726	0.774	1195.376	172.657
65.400	0.000	37.805	0.724	0.776	1195.374	172.173
65.600	0.000	37.771	0.723	0.777	1195.373	171.750
65.800	0.000	37.740	0.722	0.778	1195.372	171.327
66.000	0.000	37.709	0.721	0.779	1195.371	170.905
66.200	0.000	37.677	0.720	0.780	1195.370	170.482
66.400	0.000	37.646	0.719	0.781	1195.369	170.060
66.600	0.000	37.615	0.718	0.782	1195.368	169.638
66.800	0.000	37.583	0.717	0.783	1195.367	169.216
67.000	0.000	37.552	0.716	0.784	1195.366	168.795
67.200	0.000	37.520	0.715	0.785	1195.365	168.374
67.400	0.000	37.489	0.714	0.786	1195.364	167.953
67.600	0.000	37.458	0.713	0.787	1195.363	167.532
67.800	0.000	37.426	0.712	0.788	1195.362	167.111
68.000	0.000	37.395	0.711	0.789	1195.361	166.691
68.200	0.000	37.364	0.710	0.790	1195.360	166.271
68.400	0.000	37.332	0.709	0.791	1195.359	165.851
68.600	0.000	37.301	0.708	0.792	1195.358	165.431
68.800	0.000	37.270	0.707	0.793	1195.357	165.012
69.000	0.000	37.238	0.706	0.794	1195.356	164.593
69.200	0.000	37.207	0.705	0.795	1195.355	164.174
69.400	0.000	37.176	0.703	0.797	1195.353	163.755
69.600	0.000	37.144	0.702	0.798	1195.352	163.337
69.800	0.000	37.113	0.701	0.799	1195.351	162.918
70.000	0.000	37.081	0.700	0.800	1195.350	162.500
70.200	0.000	37.050	0.699	0.801	1195.349	162.083
70.400	0.000	37.019	0.698	0.802	1195.348	161.665
70.600	0.000	36.987	0.697	0.803	1195.347	161.248
70.800	0.000	36.956	0.696	0.804	1195.346	160.831
71.000	0.000	36.925	0.695	0.805	1195.345	160.414
71.200	0.000	36.893	0.694	0.806	1195.344	159.997
71.400	0.000	36.862	0.693	0.807	1195.343	159.581
71.600	0.000	36.831	0.692	0.808	1195.342	159.165
71.800	0.000	36.799	0.691	0.809	1195.341	158.749
72.000	0.000	36.768	0.690	0.810	1195.340	158.333
72.200	0.000	36.737	0.689	0.811	1195.339	157.917
72.400	0.000	36.705	0.688	0.812	1195.338	157.502
72.600	0.000	36.674	0.687	0.813	1195.337	157.087
72.800	0.000	36.642	0.686	0.814	1195.336	156.672
73.000	0.000	36.611	0.685	0.815	1195.335	156.258
73.200	0.000	36.580	0.684	0.816	1195.334	155.843
73.400	0.000	36.548	0.683	0.817	1195.333	155.429
73.600	0.000	36.517	0.682	0.818	1195.332	155.015
73.800	0.000	36.486	0.681	0.819	1195.331	154.602
74.000	0.000	36.454	0.680	0.820	1195.330	154.188
74.200	0.000	36.423	0.678	0.822	1195.328	153.775
74.400	0.000	36.392	0.677	0.823	1195.327	153.362
74.600	0.000	36.360	0.676	0.824	1195.326	152.950
74.800	0.000	36.329	0.675	0.825	1195.325	152.537
75.000	0.000	36.297	0.674	0.826	1195.324	152.125
75.200	0.000	36.266	0.673	0.827	1195.323	151.713
75.400	0.000	36.235	0.672	0.828	1195.322	151.301
75.600	0.000	36.203	0.671	0.829	1195.321	150.889
75.800	0.000	36.172	0.670	0.830	1195.320	150.478
76.000	0.000	36.141	0.669	0.831	1195.319	150.067
76.200	0.000	36.109	0.668	0.832	1195.318	149.656
76.400	0.000	36.078	0.667	0.833	1195.317	149.245
76.600	0.000	36.047	0.666	0.834	1195.316	148.835
76.800	0.000	36.015	0.665	0.835	1195.315	148.425
77.000	0.000	35.984	0.664	0.836	1195.314	148.015
77.200	0.000	35.953	0.663	0.837	1195.313	147.605
77.400	0.000	35.921	0.662	0.838	1195.312	147.196
77.600	0.000	35.890	0.661	0.839	1195.311	146.786
77.800	0.000	35.858	0.660	0.840	1195.310	146.377
78.000	0.000	35.827	0.659	0.841	1195.309	145.969
78.200	0.000	35.796	0.658	0.842	1195.308	145.560
78.400	0.000	35.764	0.657	0.843	1195.307	145.152
78.600	0.000	35.733	0.656	0.844	1195.306	144.744
78.800	0.000	35.702	0.655	0.845	1195.305	144.336
79.000	0.000	35.670	0.653	0.847	1195.303	143.928

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
79.200	0.000	35.639	0.652	0.848	1195.302	143.521
79.400	0.000	35.608	0.651	0.849	1195.301	143.113
79.600	0.000	35.576	0.650	0.850	1195.300	142.707
79.800	0.000	35.545	0.649	0.851	1195.299	142.300
80.000	0.000	35.514	0.648	0.852	1195.298	141.893
80.200	0.000	35.482	0.647	0.853	1195.297	141.487
80.400	0.000	35.451	0.646	0.854	1195.296	141.081
80.600	0.000	35.419	0.645	0.855	1195.295	140.675
80.800	0.000	35.388	0.644	0.856	1195.294	140.270
81.000	0.000	35.357	0.643	0.857	1195.293	139.864
81.200	0.000	35.325	0.642	0.858	1195.292	139.459
81.400	0.000	35.294	0.641	0.859	1195.291	139.054
81.600	0.000	35.263	0.640	0.860	1195.290	138.650
81.800	0.000	35.231	0.639	0.861	1195.289	138.245
82.000	0.000	35.200	0.638	0.862	1195.288	137.841
82.200	0.000	35.169	0.637	0.863	1195.287	137.437
82.400	0.000	35.137	0.636	0.864	1195.286	137.033
82.600	0.000	35.106	0.635	0.865	1195.285	136.630
82.800	0.000	35.075	0.634	0.866	1195.284	136.227
83.000	0.000	35.043	0.633	0.867	1195.283	135.824
83.200	0.000	35.012	0.632	0.868	1195.282	135.421
83.400	0.000	34.980	0.631	0.869	1195.281	135.018
83.600	0.000	34.949	0.630	0.870	1195.280	134.616
83.800	0.000	34.918	0.628	0.872	1195.278	134.214
84.000	0.000	34.886	0.627	0.873	1195.277	133.812
84.200	0.000	34.855	0.626	0.874	1195.276	133.410
84.400	0.000	34.824	0.625	0.875	1195.275	133.009
84.600	0.000	34.792	0.624	0.876	1195.274	132.607
84.800	0.000	34.761	0.623	0.877	1195.273	132.206
85.000	0.000	34.730	0.622	0.878	1195.272	131.806
85.200	0.000	34.698	0.621	0.879	1195.271	131.405
85.400	0.000	34.667	0.620	0.880	1195.270	131.005
85.600	0.000	34.635	0.619	0.881	1195.269	130.605
85.800	0.000	34.604	0.618	0.882	1195.268	130.205
86.000	0.000	34.573	0.617	0.883	1195.267	129.805
86.200	0.000	34.541	0.616	0.884	1195.266	129.406
86.400	0.000	34.510	0.615	0.885	1195.265	129.007
86.600	0.000	34.479	0.614	0.886	1195.264	128.608
86.800	0.000	34.447	0.613	0.887	1195.263	128.209
87.000	0.000	34.416	0.612	0.888	1195.262	127.811
87.200	0.000	34.385	0.611	0.889	1195.261	127.413
87.400	0.000	34.353	0.610	0.890	1195.260	127.015
87.600	0.000	34.320	0.609	0.891	1195.259	126.617
87.800	0.000	34.284	0.608	0.892	1195.258	126.220
88.000	0.000	34.248	0.607	0.893	1195.257	125.822
88.200	0.000	34.211	0.606	0.894	1195.256	125.425
88.400	0.000	34.175	0.605	0.895	1195.255	125.028
88.600	0.000	34.139	0.603	0.897	1195.253	124.632
88.800	0.000	34.103	0.602	0.898	1195.252	124.235
89.000	0.000	34.066	0.601	0.899	1195.251	123.839
89.200	0.000	34.030	0.600	0.900	1195.250	123.443
89.400	0.000	33.994	0.599	0.901	1195.249	123.048
89.600	0.000	33.958	0.598	0.902	1195.248	122.652
89.800	0.000	33.921	0.597	0.903	1195.247	122.257
90.000	0.000	33.885	0.596	0.904	1195.246	121.862
90.200	0.000	33.849	0.595	0.905	1195.245	121.467
90.400	0.000	33.813	0.594	0.906	1195.244	121.073
90.600	0.000	33.776	0.593	0.907	1195.243	120.678
90.800	0.000	33.740	0.592	0.908	1195.242	120.284
91.000	0.000	33.704	0.591	0.909	1195.241	119.890
91.200	0.000	33.668	0.590	0.910	1195.240	119.497
91.400	0.000	33.631	0.589	0.911	1195.239	119.103
91.600	0.000	33.595	0.588	0.912	1195.238	118.710
91.800	0.000	33.559	0.587	0.913	1195.237	118.317
92.000	0.000	33.523	0.586	0.914	1195.236	117.925
92.200	0.000	33.486	0.585	0.915	1195.235	117.532
92.400	0.000	33.450	0.584	0.916	1195.234	117.140
92.600	0.000	33.414	0.583	0.917	1195.233	116.748
92.800	0.000	33.378	0.582	0.918	1195.232	116.356
93.000	0.000	33.341	0.581	0.919	1195.231	115.965
93.200	0.000	33.305	0.580	0.920	1195.230	115.573
93.400	0.000	33.269	0.578	0.922	1195.228	115.182
93.600	0.000	33.233	0.577	0.923	1195.227	114.791
93.800	0.000	33.196	0.576	0.924	1195.226	114.401
94.000	0.000	33.160	0.575	0.925	1195.225	114.010
94.200	0.000	33.124	0.574	0.926	1195.224	113.620
94.400	0.000	33.088	0.573	0.927	1195.223	113.230
94.600	0.000	33.051	0.572	0.928	1195.222	112.841
94.800	0.000	33.015	0.571	0.929	1195.221	112.451
95.000	0.000	32.979	0.570	0.930	1195.220	112.062
95.200	0.000	32.943	0.569	0.931	1195.219	111.673

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
95.400	0.000	32.906	0.568	0.932	1195.218	111.284
95.600	0.000	32.870	0.567	0.933	1195.217	110.895
95.800	0.000	32.834	0.566	0.934	1195.216	110.507
96.000	0.000	32.798	0.565	0.935	1195.215	110.119
96.200	0.000	32.761	0.564	0.936	1195.214	109.731
96.400	0.000	32.725	0.563	0.937	1195.213	109.344
96.600	0.000	32.689	0.562	0.938	1195.212	108.956
96.800	0.000	32.653	0.561	0.939	1195.211	108.569
97.000	0.000	32.616	0.560	0.940	1195.210	108.182
97.200	0.000	32.580	0.559	0.941	1195.209	107.795
97.400	0.000	32.544	0.558	0.942	1195.208	107.409
97.600	0.000	32.508	0.557	0.943	1195.207	107.023
97.800	0.000	32.471	0.556	0.944	1195.206	106.636
98.000	0.000	32.435	0.555	0.945	1195.205	106.251
98.200	0.000	32.399	0.553	0.947	1195.203	105.865
98.400	0.000	32.362	0.552	0.948	1195.202	105.480
98.600	0.000	32.326	0.551	0.949	1195.201	105.095
98.800	0.000	32.290	0.550	0.950	1195.200	104.710
99.000	0.000	32.254	0.549	0.951	1195.199	104.325
99.200	0.000	32.217	0.548	0.952	1195.198	103.941
99.400	0.000	32.181	0.547	0.953	1195.197	103.556
99.600	0.000	32.145	0.546	0.954	1195.196	103.173
99.800	0.000	32.109	0.545	0.955	1195.195	102.789
100.000	0.000	32.072	0.544	0.956	1195.194	102.405
100.200	0.000	32.036	0.543	0.957	1195.193	102.022
100.400	0.000	32.000	0.542	0.958	1195.192	101.639
100.600	0.000	31.964	0.541	0.959	1195.191	101.256
100.800	0.000	31.927	0.540	0.960	1195.190	100.874
101.000	0.000	31.891	0.539	0.961	1195.189	100.491
101.200	0.000	31.855	0.538	0.962	1195.188	100.109
101.400	0.000	31.819	0.537	0.963	1195.187	99.727
101.600	0.000	31.782	0.536	0.964	1195.186	99.345
101.800	0.000	31.746	0.535	0.965	1195.185	98.964
102.000	0.000	31.710	0.534	0.966	1195.184	98.583
102.200	0.000	31.674	0.533	0.967	1195.183	98.202
102.400	0.000	31.637	0.532	0.968	1195.182	97.821
102.600	0.000	31.601	0.531	0.969	1195.181	97.440
102.800	0.000	31.565	0.530	0.970	1195.180	97.060
103.000	0.000	31.529	0.528	0.972	1195.178	96.680
103.200	0.000	31.492	0.527	0.973	1195.177	96.300
103.400	0.000	31.456	0.526	0.974	1195.176	95.921
103.600	0.000	31.420	0.525	0.975	1195.175	95.541
103.800	0.000	31.384	0.524	0.976	1195.174	95.162
104.000	0.000	31.347	0.523	0.977	1195.173	94.783
104.200	0.000	31.311	0.522	0.978	1195.172	94.405
104.400	0.000	31.275	0.521	0.979	1195.171	94.026
104.600	0.000	31.239	0.520	0.980	1195.170	93.648
104.800	0.000	31.202	0.519	0.981	1195.169	93.270
105.000	0.000	31.166	0.518	0.982	1195.168	92.892
105.200	0.000	31.130	0.517	0.983	1195.167	92.514
105.400	0.000	31.094	0.516	0.984	1195.166	92.137
105.600	0.000	31.057	0.515	0.985	1195.165	91.760
105.800	0.000	31.021	0.514	0.986	1195.164	91.383
106.000	0.000	30.985	0.513	0.987	1195.163	91.007
106.200	0.000	30.949	0.512	0.988	1195.162	90.630
106.400	0.000	30.912	0.511	0.989	1195.161	90.254
106.600	0.000	30.876	0.510	0.990	1195.160	89.878
106.800	0.000	30.840	0.509	0.991	1195.159	89.502
107.000	0.000	30.804	0.508	0.992	1195.158	89.127
107.200	0.000	30.767	0.507	0.993	1195.157	88.752
107.400	0.000	30.731	0.506	0.994	1195.156	88.377
107.600	0.000	30.695	0.505	0.995	1195.155	88.002
107.800	0.000	30.659	0.503	0.997	1195.153	87.627
108.000	0.000	30.622	0.502	0.998	1195.152	87.253
108.200	0.000	30.586	0.501	0.999	1195.151	86.879
108.400	0.000	30.550	0.500	1.000	1195.150	86.505
108.600	0.000	30.514	0.499	1.001	1195.149	86.131
108.800	0.000	30.477	0.498	1.002	1195.148	85.759
109.000	0.000	30.441	0.497	1.003	1195.147	85.387
109.200	0.000	30.405	0.496	1.004	1195.146	85.015
109.400	0.000	30.369	0.495	1.005	1195.145	84.645
109.600	0.000	30.332	0.494	1.006	1195.144	84.275
109.800	0.000	30.296	0.493	1.007	1195.143	83.907
110.000	0.000	30.260	0.492	1.008	1195.142	83.539
110.200	0.000	30.224	0.491	1.009	1195.141	83.171
110.400	0.000	30.187	0.490	1.010	1195.140	82.805
110.600	0.000	30.151	0.489	1.011	1195.139	82.439
110.800	0.000	30.115	0.488	1.012	1195.138	82.075
111.000	0.000	30.079	0.487	1.013	1195.137	81.711
111.200	0.000	30.042	0.486	1.014	1195.136	81.347
111.400	0.000	30.006	0.485	1.015	1195.135	80.985
111.600	0.000	29.970	0.484	1.016	1195.134	80.623
111.800	0.000	29.934	0.483	1.017	1195.133	80.262

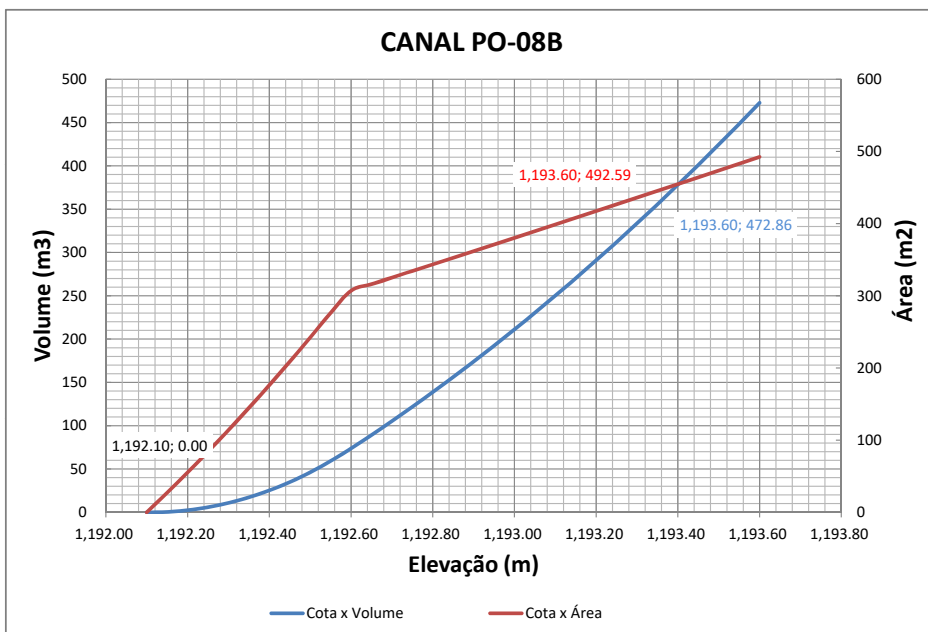
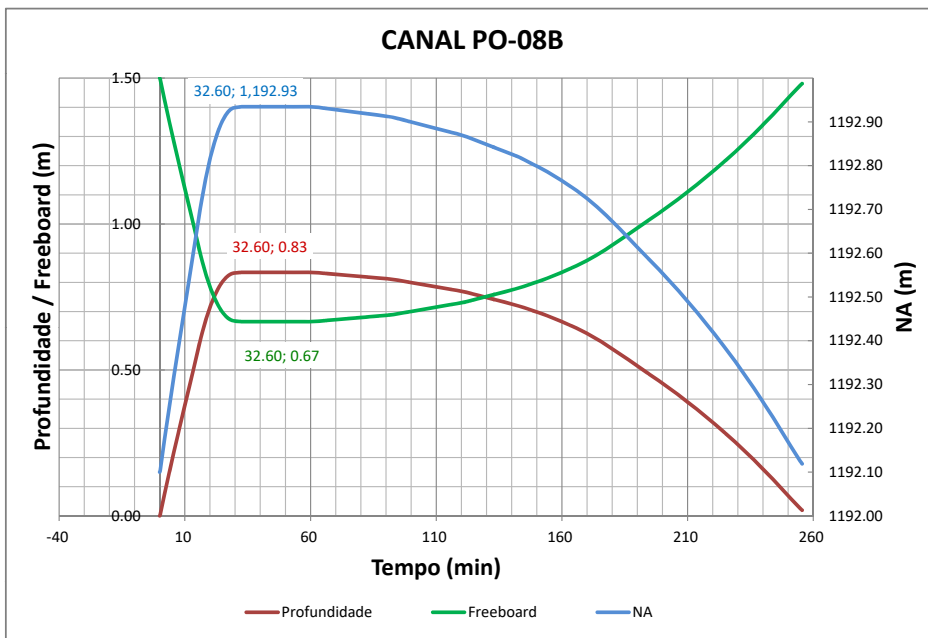
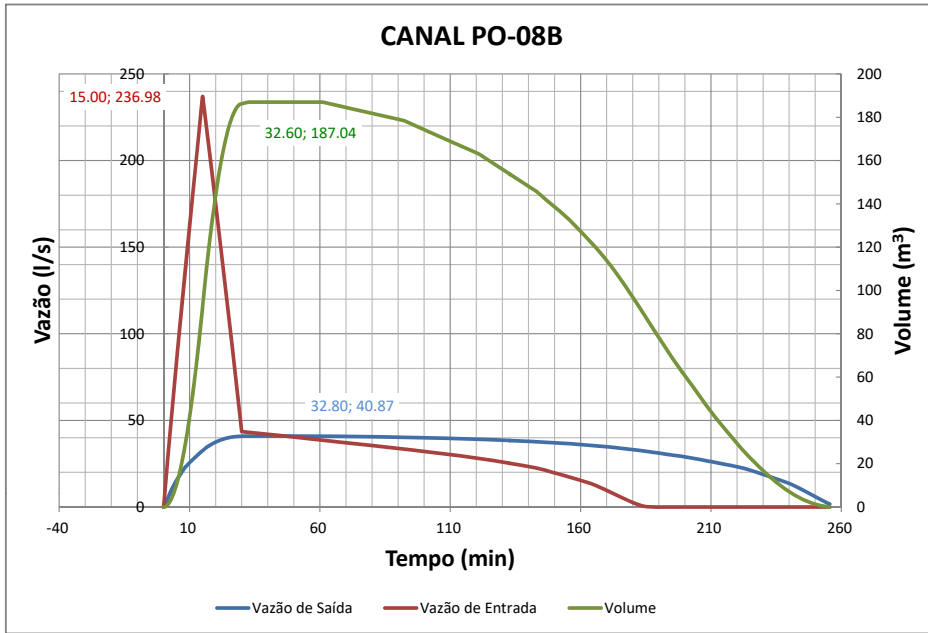
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
112.000	0.000	29.897	0.482	1.018	1195.132	79.902
112.200	0.000	29.861	0.481	1.019	1195.131	79.543
112.400	0.000	29.825	0.480	1.020	1195.130	79.185
112.600	0.000	29.789	0.478	1.022	1195.128	78.827
112.800	0.000	29.752	0.477	1.023	1195.127	78.470
113.000	0.000	29.716	0.476	1.024	1195.126	78.114
113.200	0.000	29.680	0.475	1.025	1195.125	77.759
113.400	0.000	29.644	0.474	1.026	1195.124	77.404
113.600	0.000	29.607	0.473	1.027	1195.123	77.050
113.800	0.000	29.571	0.472	1.028	1195.122	76.697
114.000	0.000	29.535	0.471	1.029	1195.121	76.345
114.200	0.000	29.499	0.470	1.030	1195.120	75.994
114.400	0.000	29.462	0.469	1.031	1195.119	75.643
114.600	0.000	29.426	0.468	1.032	1195.118	75.294
114.800	0.000	29.390	0.467	1.033	1195.117	74.945
115.000	0.000	29.353	0.466	1.034	1195.116	74.597
115.200	0.000	29.317	0.465	1.035	1195.115	74.249
115.400	0.000	29.281	0.464	1.036	1195.114	73.903
115.600	0.000	29.245	0.463	1.037	1195.113	73.557
115.800	0.000	29.208	0.462	1.038	1195.112	73.212
116.000	0.000	29.172	0.461	1.039	1195.111	72.868
116.200	0.000	29.136	0.460	1.040	1195.110	72.524
116.400	0.000	29.100	0.459	1.041	1195.109	72.182
116.600	0.000	29.063	0.458	1.042	1195.108	71.840
116.800	0.000	29.027	0.457	1.043	1195.107	71.499
117.000	0.000	28.982	0.456	1.044	1195.106	71.159
117.200	0.000	28.937	0.455	1.046	1195.105	70.819
117.400	0.000	28.893	0.453	1.047	1195.103	70.481
117.600	0.000	28.848	0.452	1.048	1195.102	70.143
117.800	0.000	28.804	0.451	1.049	1195.101	69.806
118.000	0.000	28.759	0.450	1.050	1195.100	69.470
118.200	0.000	28.715	0.449	1.051	1195.099	69.134
118.400	0.000	28.670	0.448	1.052	1195.098	68.800
118.600	0.000	28.625	0.447	1.053	1195.097	68.466
118.800	0.000	28.581	0.446	1.054	1195.096	68.133
119.000	0.000	28.536	0.445	1.055	1195.095	67.801
119.200	0.000	28.492	0.444	1.056	1195.094	67.470
119.400	0.000	28.447	0.443	1.057	1195.093	67.140
119.600	0.000	28.403	0.442	1.058	1195.092	66.810
119.800	0.000	28.358	0.441	1.059	1195.091	66.482
120.000	0.000	28.314	0.440	1.060	1195.090	66.154
120.200	0.000	28.269	0.439	1.061	1195.089	65.827
120.400	0.000	28.224	0.438	1.062	1195.088	65.502
120.600	0.000	28.180	0.437	1.063	1195.087	65.176
120.800	0.000	28.135	0.436	1.064	1195.086	64.852
121.000	0.000	28.091	0.435	1.065	1195.085	64.529
121.200	0.000	28.046	0.434	1.066	1195.084	64.207
121.400	0.000	28.002	0.433	1.067	1195.083	63.885
121.600	0.000	27.957	0.432	1.068	1195.082	63.564
121.800	0.000	27.912	0.431	1.069	1195.081	63.245
122.000	0.000	27.868	0.430	1.071	1195.080	62.926
122.200	0.000	27.823	0.428	1.072	1195.078	62.607
122.400	0.000	27.779	0.427	1.073	1195.077	62.290
122.600	0.000	27.734	0.426	1.074	1195.076	61.974
122.800	0.000	27.690	0.425	1.075	1195.075	61.658
123.000	0.000	27.645	0.424	1.076	1195.074	61.344
123.200	0.000	27.600	0.423	1.077	1195.073	61.030
123.400	0.000	27.556	0.422	1.078	1195.072	60.717
123.600	0.000	27.511	0.421	1.079	1195.071	60.405
123.800	0.000	27.467	0.420	1.080	1195.070	60.094
124.000	0.000	27.422	0.419	1.081	1195.069	59.784
124.200	0.000	27.378	0.418	1.082	1195.068	59.474
124.400	0.000	27.333	0.417	1.083	1195.067	59.166
124.600	0.000	27.288	0.416	1.084	1195.066	58.858
124.800	0.000	27.244	0.415	1.085	1195.065	58.551
125.000	0.000	27.199	0.414	1.086	1195.064	58.245
125.200	0.000	27.155	0.413	1.087	1195.063	57.940
125.400	0.000	27.110	0.412	1.088	1195.062	57.636
125.600	0.000	27.066	0.411	1.089	1195.061	57.332
125.800	0.000	27.021	0.410	1.090	1195.060	57.028
126.000	0.000	26.970	0.408	1.092	1195.058	56.664
126.200	0.000	26.919	0.407	1.093	1195.057	56.320
126.400	0.000	26.868	0.406	1.094	1195.056	55.978
126.600	0.000	26.817	0.405	1.095	1195.055	55.637
126.800	0.000	26.766	0.404	1.096	1195.054	55.297
127.000	0.000	26.715	0.402	1.098	1195.052	54.958
127.200	0.000	26.664	0.401	1.099	1195.051	54.620
127.400	0.000	26.613	0.400	1.100	1195.050	54.284
127.600	0.000	26.563	0.399	1.101	1195.049	53.948
127.800	0.000	26.512	0.398	1.102	1195.048	53.614
128.000	0.000	26.461	0.397	1.103	1195.047	53.280
128.200	0.000	26.410	0.395	1.105	1195.045	52.948
128.400	0.000	26.359	0.394	1.106	1195.044	52.617

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
128.600	0.000	26.308	0.393	1.107	1195.043	52.287
128.800	0.000	26.257	0.392	1.108	1195.042	51.958
129.000	0.000	26.206	0.391	1.109	1195.041	51.630
129.200	0.000	26.155	0.389	1.111	1195.039	51.304
129.400	0.000	26.104	0.388	1.112	1195.038	50.978
129.600	0.000	26.053	0.387	1.113	1195.037	50.654
129.800	0.000	26.002	0.386	1.114	1195.036	50.330
130.000	0.000	25.951	0.385	1.115	1195.035	50.008
130.200	0.000	25.900	0.383	1.117	1195.033	49.687
130.400	0.000	25.849	0.382	1.118	1195.032	49.367
130.600	0.000	25.799	0.381	1.119	1195.031	49.048
130.800	0.000	25.748	0.380	1.120	1195.030	48.730
131.000	0.000	25.697	0.379	1.121	1195.029	48.413
131.200	0.000	25.646	0.377	1.123	1195.027	48.097
131.400	0.000	25.595	0.376	1.124	1195.026	47.783
131.600	0.000	25.544	0.375	1.125	1195.025	47.469
131.800	0.000	25.493	0.374	1.126	1195.024	47.157
132.000	0.000	25.442	0.373	1.127	1195.023	46.846
132.200	0.000	25.391	0.372	1.128	1195.022	46.536
132.400	0.000	25.340	0.370	1.130	1195.020	46.227
132.600	0.000	25.289	0.369	1.131	1195.019	45.919
132.800	0.000	25.238	0.368	1.132	1195.018	45.612
133.000	0.000	25.187	0.367	1.133	1195.017	45.306
133.200	0.000	25.136	0.366	1.134	1195.016	45.001
133.400	0.000	25.085	0.364	1.136	1195.014	44.698
133.600	0.000	25.034	0.363	1.137	1195.013	44.396
133.800	0.000	24.984	0.362	1.138	1195.012	44.094
134.000	0.000	24.933	0.361	1.139	1195.011	43.794
134.200	0.000	24.882	0.360	1.140	1195.010	43.495
134.400	0.000	24.831	0.358	1.142	1195.008	43.197
134.600	0.000	24.780	0.357	1.143	1195.007	42.900
134.800	0.000	24.729	0.356	1.144	1195.006	42.604
135.000	0.000	24.678	0.355	1.145	1195.005	42.309
135.200	0.000	24.627	0.354	1.146	1195.004	42.016
135.400	0.000	24.576	0.352	1.148	1195.002	41.723
135.600	0.000	24.525	0.351	1.149	1195.001	41.432
135.800	0.000	24.474	0.350	1.150	1195.000	41.142
136.000	0.000	24.423	0.349	1.151	1194.999	40.852
136.200	0.000	24.372	0.348	1.152	1194.998	40.564
136.400	0.000	24.321	0.347	1.153	1194.997	40.277
136.600	0.000	24.270	0.345	1.155	1194.995	39.991
136.800	0.000	24.219	0.344	1.156	1194.994	39.706
137.000	0.000	24.169	0.343	1.157	1194.993	39.423
137.200	0.000	24.118	0.342	1.158	1194.992	39.140
137.400	0.000	24.067	0.341	1.159	1194.991	38.858
137.600	0.000	24.016	0.339	1.161	1194.989	38.578
137.800	0.000	23.965	0.338	1.162	1194.988	38.298
138.000	0.000	23.914	0.337	1.163	1194.987	38.020
138.200	0.000	23.863	0.336	1.164	1194.986	37.742
138.400	0.000	23.812	0.335	1.165	1194.985	37.466
138.600	0.000	23.761	0.333	1.167	1194.983	37.191
138.800	0.000	23.710	0.332	1.168	1194.982	36.916
139.000	0.000	23.659	0.331	1.169	1194.981	36.643
139.200	0.000	23.608	0.330	1.170	1194.980	36.371
139.400	0.000	23.557	0.329	1.171	1194.979	36.100
139.600	0.000	23.506	0.327	1.173	1194.977	35.831
139.800	0.000	23.455	0.326	1.174	1194.976	35.562
140.000	0.000	23.404	0.325	1.175	1194.975	35.294
140.200	0.000	23.354	0.324	1.176	1194.974	35.027
140.400	0.000	23.303	0.323	1.177	1194.973	34.762
140.600	0.000	23.252	0.322	1.178	1194.972	34.497
140.800	0.000	23.201	0.320	1.180	1194.970	34.234
141.000	0.000	23.150	0.319	1.181	1194.969	33.972
141.200	0.000	23.099	0.318	1.182	1194.968	33.710
141.400	0.000	23.048	0.317	1.183	1194.967	33.454
141.600	0.000	22.997	0.315	1.185	1194.965	33.192
141.800	0.000	22.933	0.314	1.186	1194.964	32.935
142.000	0.000	22.876	0.313	1.187	1194.963	32.684
142.200	0.000	22.819	0.311	1.189	1194.961	32.438
142.400	0.000	22.761	0.310	1.190	1194.960	32.197
142.600	0.000	22.704	0.309	1.191	1194.959	31.960
142.800	0.000	22.647	0.307	1.193	1194.957	31.728
143.000	0.000	22.589	0.306	1.194	1194.956	31.500
143.200	0.000	22.532	0.305	1.195	1194.955	31.276
143.400	0.000	22.475	0.303	1.197	1194.953	31.056
143.600	0.000	22.418	0.302	1.198	1194.952	30.840
143.800	0.000	22.361	0.301	1.199	1194.951	30.627
144.000	0.000	22.304	0.299	1.201	1194.949	30.418
144.200	0.000	22.247	0.298	1.202	1194.948	30.212
144.400	0.000	22.190	0.297	1.203	1194.947	30.010
144.600	0.000	22.133	0.295	1.205	1194.945	29.812
144.800	0.000	22.076	0.294	1.206	1194.944	29.618
145.000	0.000	22.019	0.293	1.207	1194.943	29.428

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
145.200	0.000	21.712	0.291	1.209	1194.941	28.129
145.400	0.000	21.629	0.290	1.210	1194.940	27.863
145.600	0.000	21.546	0.289	1.211	1194.939	27.599
145.800	0.000	21.463	0.287	1.213	1194.937	27.336
146.000	0.000	21.380	0.286	1.214	1194.936	27.074
146.200	0.000	21.297	0.285	1.215	1194.935	26.813
146.400	0.000	21.214	0.283	1.217	1194.933	26.554
146.600	0.000	21.131	0.282	1.218	1194.932	26.296
146.800	0.000	21.048	0.281	1.219	1194.931	26.040
147.000	0.000	20.965	0.279	1.221	1194.929	25.784
147.200	0.000	20.882	0.278	1.222	1194.928	25.531
147.400	0.000	20.799	0.277	1.224	1194.927	25.278
147.600	0.000	20.716	0.275	1.225	1194.925	25.027
147.800	0.000	20.633	0.274	1.226	1194.924	24.777
148.000	0.000	20.550	0.272	1.228	1194.922	24.528
148.200	0.000	20.467	0.271	1.229	1194.921	24.281
148.400	0.000	20.384	0.270	1.230	1194.920	24.035
148.600	0.000	20.301	0.268	1.232	1194.918	23.790
148.800	0.000	20.218	0.267	1.233	1194.917	23.547
149.000	0.000	20.135	0.266	1.234	1194.916	23.305
149.200	0.000	20.052	0.264	1.236	1194.914	23.064
149.400	0.000	19.968	0.263	1.237	1194.913	22.825
149.600	0.000	19.885	0.262	1.238	1194.912	22.587
149.800	0.000	19.802	0.260	1.240	1194.910	22.350
150.000	0.000	19.719	0.259	1.241	1194.909	22.114
150.200	0.000	19.636	0.258	1.242	1194.908	21.880
150.400	0.000	19.553	0.256	1.244	1194.906	21.647
150.600	0.000	19.470	0.255	1.245	1194.905	21.416
150.800	0.000	19.387	0.254	1.246	1194.904	21.186
151.000	0.000	19.304	0.252	1.248	1194.902	20.957
151.200	0.000	19.221	0.251	1.249	1194.901	20.730
151.400	0.000	19.138	0.250	1.250	1194.900	20.503
151.600	0.000	19.055	0.248	1.252	1194.898	20.279
151.800	0.000	18.972	0.247	1.253	1194.897	20.055
152.000	0.000	18.889	0.246	1.254	1194.896	19.833
152.200	0.000	18.806	0.244	1.256	1194.894	19.612
152.400	0.000	18.723	0.243	1.257	1194.893	19.392
152.600	0.000	18.640	0.242	1.258	1194.892	19.173
152.800	0.000	18.557	0.240	1.260	1194.890	18.956
153.000	0.000	18.474	0.239	1.261	1194.889	18.740
153.200	0.000	18.391	0.238	1.262	1194.888	18.526
153.400	0.000	18.308	0.236	1.264	1194.886	18.312
153.600	0.000	18.225	0.235	1.265	1194.885	18.100
153.800	0.000	18.142	0.234	1.266	1194.884	17.890
154.000	0.000	18.059	0.232	1.268	1194.882	17.680
154.200	0.000	17.976	0.231	1.269	1194.881	17.472
154.400	0.000	17.893	0.230	1.270	1194.880	17.265
154.600	0.000	17.810	0.228	1.272	1194.878	17.060
154.800	0.000	17.727	0.227	1.273	1194.877	16.855
155.000	0.000	17.644	0.226	1.274	1194.876	16.652
155.200	0.000	17.561	0.224	1.276	1194.874	16.450
155.400	0.000	17.478	0.223	1.277	1194.873	16.250
155.600	0.000	17.395	0.222	1.278	1194.872	16.051
155.800	0.000	17.312	0.220	1.280	1194.870	15.853
156.000	0.000	17.229	0.219	1.281	1194.869	15.656
156.200	0.000	17.146	0.218	1.282	1194.868	15.461
156.400	0.000	17.063	0.216	1.284	1194.866	15.267
156.600	0.000	16.975	0.215	1.285	1194.865	15.073
156.800	0.000	16.883	0.213	1.287	1194.863	14.880
157.000	0.000	16.791	0.212	1.288	1194.862	14.629
157.200	0.000	16.698	0.210	1.290	1194.860	14.420
157.400	0.000	16.606	0.209	1.291	1194.859	14.212
157.600	0.000	16.514	0.207	1.293	1194.857	14.006
157.800	0.000	16.422	0.206	1.294	1194.856	13.801
158.000	0.000	16.329	0.204	1.296	1194.854	13.598
158.200	0.000	16.237	0.203	1.297	1194.853	13.397
158.400	0.000	16.145	0.201	1.299	1194.851	13.197
158.600	0.000	16.053	0.200	1.300	1194.850	12.999
158.800	0.000	15.960	0.198	1.302	1194.848	12.802
159.000	0.000	15.868	0.197	1.303	1194.847	12.607
159.200	0.000	15.776	0.195	1.305	1194.845	12.414
159.400	0.000	15.684	0.194	1.306	1194.844	12.221
159.600	0.000	15.591	0.192	1.308	1194.842	12.031
159.800	0.000	15.499	0.191	1.309	1194.841	11.842
160.000	0.000	15.407	0.189	1.311	1194.839	11.655
160.200	0.000	15.315	0.188	1.312	1194.838	11.469
160.400	0.000	15.222	0.186	1.314	1194.836	11.284
160.600	0.000	15.130	0.185	1.315	1194.835	11.101
160.800	0.000	15.038	0.183	1.317	1194.833	10.920
161.000	0.000	14.946	0.182	1.318	1194.832	10.740
161.200	0.000	14.853	0.181	1.319	1194.831	10.562
161.400	0.000	14.761	0.179	1.321	1194.829	10.385
161.600	0.000	14.669	0.178	1.322	1194.828	10.210

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
161.800	0.000	14.577	0.176	1.324	1194.826	10.037
162.000	0.000	14.484	0.175	1.325	1194.825	9.865
162.200	0.000	14.392	0.173	1.327	1194.823	9.694
162.400	0.000	14.300	0.172	1.328	1194.822	9.525
162.600	0.000	14.208	0.170	1.330	1194.820	9.358
162.800	0.000	14.115	0.169	1.331	1194.819	9.192
163.000	0.000	14.023	0.167	1.333	1194.817	9.028
163.200	0.000	13.931	0.166	1.334	1194.816	8.865
163.400	0.000	13.839	0.164	1.336	1194.814	8.703
163.600	0.000	13.746	0.163	1.337	1194.813	8.544
163.800	0.000	13.654	0.161	1.339	1194.811	8.386
164.000	0.000	13.562	0.160	1.340	1194.810	8.229
164.200	0.000	13.470	0.158	1.342	1194.808	8.074
164.400	0.000	13.377	0.157	1.343	1194.807	7.920
164.600	0.000	13.285	0.155	1.345	1194.805	7.768
164.800	0.000	13.188	0.154	1.346	1194.804	7.603
165.000	0.000	13.087	0.152	1.348	1194.802	7.439
165.200	0.000	12.955	0.150	1.350	1194.800	7.277
165.400	0.000	12.815	0.149	1.351	1194.799	7.117
165.600	0.000	12.675	0.147	1.353	1194.797	6.959
165.800	0.000	12.534	0.145	1.355	1194.795	6.803
166.000	0.000	12.394	0.144	1.356	1194.794	6.649
166.200	0.000	12.254	0.142	1.358	1194.792	6.496
166.400	0.000	12.113	0.140	1.360	1194.790	6.345
166.600	0.000	11.973	0.139	1.361	1194.789	6.196
166.800	0.000	11.833	0.137	1.363	1194.787	6.049
167.000	0.000	11.692	0.136	1.364	1194.786	5.903
167.200	0.000	11.552	0.134	1.366	1194.784	5.760
167.400	0.000	11.412	0.132	1.368	1194.782	5.618
167.600	0.000	11.271	0.131	1.369	1194.781	5.478
167.800	0.000	11.131	0.129	1.371	1194.779	5.340
168.000	0.000	10.991	0.127	1.373	1194.777	5.203
168.200	0.000	10.850	0.126	1.374	1194.776	5.069
168.400	0.000	10.710	0.124	1.376	1194.774	4.936
168.600	0.000	10.570	0.122	1.378	1194.772	4.805
168.800	0.000	10.429	0.121	1.379	1194.771	4.676
169.000	0.000	10.289	0.119	1.381	1194.769	4.548
169.200	0.000	10.149	0.118	1.382	1194.768	4.423
169.400	0.000	10.008	0.116	1.384	1194.766	4.299
169.600	0.000	9.868	0.114	1.386	1194.764	4.177
169.800	0.000	9.728	0.113	1.387	1194.763	4.057
170.000	0.000	9.587	0.111	1.389	1194.761	3.939
170.200	0.000	9.447	0.109	1.391	1194.759	3.822
170.400	0.000	9.307	0.108	1.392	1194.758	3.707
170.600	0.000	9.166	0.106	1.394	1194.756	3.594
170.800	0.000	9.026	0.104	1.396	1194.754	3.483
171.000	0.000	8.886	0.103	1.397	1194.753	3.374
171.200	0.000	8.745	0.101	1.399	1194.751	3.266
171.400	0.000	8.605	0.100	1.400	1194.750	3.161
171.600	0.000	8.465	0.098	1.402	1194.748	3.057
171.800	0.000	8.324	0.096	1.404	1194.746	2.955
172.000	0.000	8.184	0.095	1.405	1194.745	2.854
172.200	0.000	8.044	0.093	1.407	1194.743	2.756
172.400	0.000	7.903	0.091	1.409	1194.741	2.659
172.600	0.000	7.763	0.090	1.410	1194.740	2.563
172.800	0.000	7.623	0.088	1.412	1194.738	2.470
173.000	0.000	7.482	0.086	1.414	1194.736	2.378
173.200	0.000	7.342	0.085	1.415	1194.735	2.288
173.400	0.000	7.202	0.083	1.417	1194.733	2.200
173.600	0.000	7.061	0.082	1.418	1194.732	2.114
173.800	0.000	6.921	0.080	1.420	1194.730	2.029
174.000	0.000	6.781	0.078	1.422	1194.728	1.946
174.200	0.000	6.640	0.077	1.423	1194.727	1.865
174.400	0.000	6.500	0.075	1.425	1194.725	1.786
174.600	0.000	6.360	0.073	1.427	1194.723	1.708
174.800	0.000	6.219	0.072	1.428	1194.722	1.632
175.000	0.000	6.079	0.070	1.430	1194.720	1.558
175.200	0.000	5.939	0.068	1.432	1194.718	1.486
175.400	0.000	5.798	0.067	1.433	1194.717	1.415
175.600	0.000	5.658	0.065	1.435	1194.715	1.346
175.800	0.000	5.518	0.064	1.436	1194.714	1.279
176.000	0.000	5.377	0.062	1.438	1194.712	1.214
176.200	0.000	5.237	0.060	1.440	1194.710	1.150
176.400	0.000	5.097	0.059	1.441	1194.709	1.088
176.600	0.000	4.956	0.057	1.443	1194.707	1.028
176.800	0.000	4.816	0.055	1.445	1194.705	0.969
177.000	0.000	4.676	0.054	1.446	1194.704	0.913
177.200	0.000	4.535	0.052	1.448	1194.702	0.858
177.400	0.000	4.395	0.050	1.450	1194.700	0.805
177.600	0.000	4.255	0.049	1.451	1194.699	0.753
177.800	0.000	4.114	0.047	1.453	1194.697	0.704
178.000	0.000	3.974	0.046	1.454	1194.696	0.656
178.200	0.000	3.834	0.044	1.456	1194.694	0.609

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
178.400	0.000	3.693	0.042	1.458	1194.692	0.565
178.600	0.000	3.553	0.041	1.459	1194.691	0.522
178.800	0.000	3.413	0.039	1.461	1194.689	0.481
179.000	0.000	3.279	0.037	1.463	1194.687	0.445
179.200	0.000	3.151	0.036	1.464	1194.686	0.410
179.400	0.000	3.024	0.035	1.465	1194.685	0.377
179.600	0.000	2.896	0.033	1.467	1194.683	0.345
179.800	0.000	2.768	0.032	1.468	1194.682	0.315
180.000	0.000	2.641	0.030	1.470	1194.680	0.286
180.200	0.000	2.513	0.029	1.471	1194.679	0.258
180.400	0.000	2.386	0.027	1.473	1194.677	0.232
180.600	0.000	2.258	0.026	1.474	1194.676	0.207
180.800	0.000	2.131	0.024	1.476	1194.674	0.184
181.000	0.000	2.009	0.023	1.477	1194.673	0.164
181.200	0.000	1.895	0.021	1.479	1194.671	0.145
181.400	0.000	1.780	0.020	1.480	1194.670	0.128
181.600	0.000	1.665	0.019	1.481	1194.669	0.111
181.800	0.000	1.550	0.017	1.483	1194.667	0.096
182.000	0.000	1.435	0.016	1.484	1194.666	0.082
182.200	0.000	1.333	0.015	1.485	1194.665	0.071
182.400	0.000	1.231	0.014	1.486	1194.664	0.060
182.600	0.000	1.129	0.013	1.487	1194.663	0.050
182.800	0.000	1.027	0.011	1.489	1194.661	0.041
183.000	0.000	0.938	0.010	1.490	1194.660	0.034
183.200	0.000	0.848	0.009	1.491	1194.659	0.028
183.400	0.000	0.759	0.008	1.492	1194.658	0.022
183.600	0.000	0.683	0.008	1.493	1194.658	0.018
183.800	0.000	0.606	0.007	1.493	1194.657	0.014
184.000	0.000	0.529	0.006	1.494	1194.656	0.011
184.200	0.000	0.466	0.005	1.495	1194.655	0.008
184.400	0.000	0.402	0.004	1.496	1194.654	0.006
184.600	0.000	0.344	0.004	1.496	1194.654	0.004
184.800	0.000	0.293	0.003	1.497	1194.653	0.003
185.000	0.000	0.249	0.003	1.497	1194.653	0.002
185.200	0.000	0.211	0.002	1.498	1194.652	0.002
185.400	0.000	0.172	0.002	1.498	1194.652	0.001
185.600	0.000	0.147	0.002	1.498	1194.652	0.001
185.800	0.000	0.121	0.001	1.499	1194.651	0.000
186.000	0.000	0.096	0.001	1.499	1194.651	0.000
186.200	0.000	0.083	0.001	1.499	1194.651	0.000
186.400	0.000	0.070	0.001	1.499	1194.651	0.000
186.600	0.000	0.057	0.001	1.499	1194.651	0.000
186.800	0.000	0.045	0.000	1.500	1194.650	0.000
187.000	0.000	0.032	0.000	1.500	1194.650	0.000
187.200	0.000	0.026	0.000	1.500	1194.650	0.000
187.400	0.000	0.026	0.000	1.500	1194.650	0.000
187.600	0.000	0.026	0.000	1.500	1194.650	0.000





ARQUITETURA + URBANISMO
 CLN. 207, BL. B, SL. 200 - CEP. 70.743-900
 BRASÍLIA - DF - FONE: 011 3014 3700

CANAL: PO-08B

DATA: 18.12.2019

IMPULT DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	236.980	1193.600			
VAZÃO DE SAÍDA MAX. (l/s)	32.80	40.873	1192.100			
PROFUNDIDADE MAX. (m)	32.60	0.835	1193.100			
FREEBOARD MIN. (m)	32.60	0.665	1192.100			
NA MAX. (m)	32.60	1,192.935	-			
VOLUME MAX (m ³)	32.60	187.04	400.00			
VOLUME TOTAL (m ³)		472.86	150.00			
PROFUNDIDADE TOTAL. (m)		1.50	1.660			
			0.130			
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1192.100	0.000
0.200	2.817	0.077	0.003	1.497	1192.103	0.003
0.400	6.202	0.580	0.011	1.489	1192.111	0.031
0.600	9.676	1.257	0.019	1.481	1192.119	0.097
0.800	13.157	1.971	0.027	1.473	1192.127	0.201
1.000	16.637	2.692	0.036	1.464	1192.136	0.346
1.200	20.124	3.419	0.044	1.456	1192.144	0.529
1.400	23.611	4.146	0.053	1.447	1192.153	0.752
1.600	27.079	4.873	0.061	1.439	1192.161	1.013
1.800	30.534	5.581	0.069	1.431	1192.169	1.304
2.000	33.982	6.283	0.077	1.423	1192.177	1.630
2.200	37.424	6.972	0.085	1.415	1192.185	1.990
2.400	40.867	7.655	0.093	1.407	1192.193	2.378
2.600	44.296	8.331	0.101	1.399	1192.201	2.801
2.800	47.726	9.007	0.109	1.391	1192.209	3.259
3.000	51.155	9.683	0.117	1.383	1192.217	3.749
3.200	54.585	10.346	0.125	1.375	1192.225	4.268
3.400	58.008	11.010	0.132	1.368	1192.232	4.823
3.600	61.424	11.673	0.140	1.360	1192.240	5.412
3.800	64.854	12.337	0.148	1.352	1192.248	6.035
4.000	67.869	13.000	0.155	1.345	1192.255	6.687
4.200	71.085	13.488	0.163	1.337	1192.263	7.367
4.400	74.300	13.959	0.171	1.329	1192.271	8.082
4.600	77.515	14.429	0.178	1.322	1192.278	8.831
4.800	80.731	14.900	0.186	1.314	1192.286	9.614
5.000	83.946	15.370	0.193	1.307	1192.293	10.432
5.200	87.161	15.840	0.201	1.299	1192.301	11.284
5.400	90.377	16.311	0.209	1.291	1192.309	12.171
5.600	93.592	16.781	0.216	1.284	1192.316	13.093
5.800	96.807	17.247	0.224	1.276	1192.324	14.031
6.000	100.023	17.708	0.231	1.269	1192.331	15.004
6.200	103.238	18.170	0.239	1.261	1192.339	16.011
6.400	106.453	18.631	0.246	1.254	1192.346	17.051
6.600	109.669	19.092	0.253	1.247	1192.353	18.126
6.800	112.884	19.553	0.261	1.239	1192.361	19.235
7.000	116.095	20.015	0.268	1.232	1192.368	20.380
7.200	119.301	20.476	0.276	1.224	1192.376	21.559
7.400	122.357	20.937	0.283	1.217	1192.383	22.774
7.600	125.403	21.398	0.291	1.209	1192.391	24.023
7.800	128.449	21.860	0.298	1.202	1192.398	25.295
8.000	131.495	22.312	0.305	1.195	1192.405	26.587
8.200	134.541	22.685	0.313	1.187	1192.413	27.914
8.400	137.588	22.997	0.320	1.180	1192.420	29.276
8.600	140.634	23.309	0.327	1.173	1192.427	30.672
8.800	143.680	23.621	0.334	1.166	1192.434	32.103
9.000	146.726	23.933	0.342	1.158	1192.442	33.568
9.200	149.772	24.245	0.349	1.151	1192.449	35.068
9.400	152.818	24.557	0.356	1.144	1192.456	36.603
9.600	155.864	24.869	0.364	1.136	1192.464	38.173
9.800	158.910	25.181	0.371	1.129	1192.471	39.779
10.000	161.956	25.493	0.378	1.122	1192.478	41.420
10.200	165.002	25.805	0.386	1.115	1192.486	43.097
10.400	168.049	26.117	0.393	1.107	1192.493	44.810
10.600	171.095	26.426	0.400	1.100	1192.500	46.521
10.800	174.141	26.731	0.407	1.093	1192.507	48.268
11.000	177.143	27.037	0.414	1.086	1192.514	50.049
11.200	180.123	27.343	0.421	1.079	1192.521	51.865
11.400	183.103	27.648	0.429	1.071	1192.529	53.717
11.600	186.082	27.954	0.436	1.064	1192.536	55.603
11.800	189.062	28.259	0.443	1.057	1192.543	57.524
12.000	192.041	28.565	0.450	1.050	1192.550	59.480
12.200	195.023	28.871	0.457	1.043	1192.557	61.470
12.400	198.008	29.149	0.464	1.036	1192.564	63.490
12.600	200.998	29.398	0.471	1.029	1192.571	65.543
12.800	203.991	29.646	0.479	1.021	1192.579	67.626
13.000	206.986	29.895	0.486	1.014	1192.586	69.741
13.200	209.986	30.143	0.493	1.007	1192.593	71.888

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	212.989	30.392	0.500	1.000	1192.600	74.065
13.600	215.994	30.640	0.507	0.993	1192.607	76.264
13.800	219.005	30.892	0.514	0.986	1192.614	78.517
14.000	222.018	31.145	0.522	0.978	1192.622	80.781
14.200	225.034	31.402	0.529	0.971	1192.629	83.100
14.400	228.043	31.661	0.537	0.963	1192.637	85.430
14.600	231.019	31.922	0.544	0.956	1192.644	87.816
14.800	234.000	32.186	0.552	0.948	1192.652	90.213
15.000	236.980	32.453	0.559	0.941	1192.659	92.668
15.200	234.587	32.722	0.567	0.933	1192.667	95.109
15.400	232.186	32.987	0.575	0.925	1192.675	97.514
15.600	229.779	33.246	0.582	0.918	1192.682	99.881
15.800	227.365	33.499	0.589	0.911	1192.689	102.234
16.000	224.946	33.750	0.596	0.904	1192.696	104.549
16.200	222.523	33.996	0.603	0.897	1192.703	106.824
16.400	220.094	34.237	0.610	0.890	1192.710	109.059
16.600	217.657	34.456	0.617	0.883	1192.717	111.279
16.800	215.216	34.658	0.624	0.876	1192.724	113.458
17.000	212.771	34.855	0.630	0.870	1192.730	115.620
17.200	210.319	35.050	0.637	0.863	1192.737	117.741
17.400	207.862	35.240	0.643	0.857	1192.743	119.819
17.600	205.399	35.428	0.649	0.851	1192.749	121.880
17.800	202.931	35.612	0.655	0.845	1192.755	123.898
18.000	200.441	35.791	0.661	0.839	1192.761	125.898
18.200	197.940	35.968	0.667	0.833	1192.767	127.853
18.400	195.435	36.143	0.673	0.827	1192.773	129.790
18.600	192.925	36.313	0.678	0.822	1192.778	131.682
18.800	190.412	36.479	0.684	0.816	1192.784	133.555
19.000	187.895	36.642	0.689	0.811	1192.789	135.382
19.200	185.371	36.804	0.694	0.806	1192.794	137.189
19.400	182.844	36.960	0.699	0.801	1192.799	138.950
19.600	180.313	37.113	0.705	0.795	1192.805	140.690
19.800	177.777	37.263	0.709	0.791	1192.809	142.384
20.000	175.238	37.411	0.714	0.786	1192.814	144.056
20.200	172.694	37.554	0.719	0.781	1192.819	145.707
20.400	170.147	37.695	0.724	0.776	1192.824	147.310
20.600	167.596	37.834	0.728	0.772	1192.828	148.891
20.800	165.040	37.968	0.733	0.767	1192.833	150.450
21.000	162.481	38.101	0.737	0.763	1192.837	151.960
21.200	159.918	38.228	0.741	0.759	1192.841	153.421
21.400	157.350	38.354	0.745	0.755	1192.845	154.860
21.600	154.779	38.475	0.749	0.751	1192.849	156.275
21.800	152.205	38.593	0.753	0.747	1192.853	157.641
22.000	149.628	38.710	0.757	0.743	1192.857	158.983
22.200	147.047	38.822	0.761	0.739	1192.861	160.301
22.400	144.461	38.930	0.764	0.736	1192.864	161.569
22.600	141.872	39.027	0.768	0.732	1192.868	162.813
22.800	139.278	39.119	0.771	0.729	1192.871	164.032
23.000	136.681	39.209	0.774	0.726	1192.874	165.201
23.200	134.079	39.297	0.778	0.722	1192.878	166.371
23.400	131.476	39.383	0.781	0.719	1192.881	167.490
23.600	128.869	39.467	0.784	0.716	1192.884	168.585
23.800	126.257	39.547	0.787	0.713	1192.887	169.654
24.000	123.642	39.625	0.790	0.710	1192.890	170.671
24.200	121.024	39.701	0.792	0.708	1192.892	171.663
24.400	118.397	39.773	0.795	0.705	1192.895	172.629
24.600	115.767	39.843	0.798	0.702	1192.898	173.543
24.800	113.134	39.912	0.800	0.700	1192.900	174.431
25.000	110.496	39.976	0.802	0.698	1192.902	175.294
25.200	107.857	40.040	0.805	0.695	1192.905	176.130
25.400	105.214	40.100	0.807	0.693	1192.907	176.940
25.600	102.567	40.158	0.809	0.691	1192.909	177.697
25.800	99.918	40.214	0.811	0.689	1192.911	178.428
26.000	97.266	40.266	0.813	0.687	1192.913	179.133
26.200	94.610	40.316	0.815	0.685	1192.915	179.784
26.400	91.950	40.364	0.817	0.683	1192.917	180.435
26.600	89.289	40.410	0.818	0.682	1192.918	181.033
26.800	86.623	40.454	0.820	0.680	1192.920	181.604
27.000	83.954	40.494	0.821	0.679	1192.921	182.148
27.200	81.283	40.532	0.823	0.677	1192.923	182.638
27.400	78.609	40.568	0.824	0.676	1192.924	183.129
27.600	75.930	40.602	0.825	0.675	1192.925	183.565
27.800	73.250	40.634	0.826	0.674	1192.926	183.974
28.000	70.566	40.662	0.827	0.673	1192.927	184.356
28.200	67.878	40.688	0.828	0.672	1192.928	184.684
28.400	65.189	40.713	0.829	0.671	1192.929	185.012
28.600	62.495	40.735	0.830	0.670	1192.930	185.285
28.800	59.799	40.755	0.831	0.670	1192.931	185.531
29.000	57.098	40.771	0.831	0.669	1192.931	185.750
29.200	54.395	40.785	0.832	0.668	1192.932	185.914
29.400	51.689	40.797	0.832	0.668	1192.932	186.078
29.600	48.981	40.807	0.832	0.668	1192.932	186.188
29.800	46.269	40.815	0.833	0.667	1192.933	186.270

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	43.553	40.819	0.833	0.667	1192.933	186.325
30.200	43.523	40.823	0.833	0.667	1192.933	186.380
30.400	43.494	40.827	0.833	0.667	1192.933	186.434
30.600	43.464	40.831	0.833	0.667	1192.933	186.489
30.800	43.434	40.835	0.833	0.667	1192.933	186.544
31.000	43.404	40.839	0.833	0.667	1192.933	186.599
31.200	43.375	40.843	0.834	0.666	1192.934	186.653
31.400	43.345	40.847	0.834	0.666	1192.934	186.708
31.600	43.315	40.851	0.834	0.666	1192.934	186.763
31.800	43.285	40.855	0.834	0.666	1192.934	186.818
32.000	43.256	40.859	0.834	0.666	1192.934	186.873
32.200	43.226	40.863	0.834	0.666	1192.934	186.927
32.400	43.196	40.867	0.834	0.666	1192.934	186.982
32.600	43.166	40.871	0.835	0.665	1192.935	187.037
32.800	43.137	40.873	0.835	0.665	1192.935	187.037
33.000	43.107	40.873	0.835	0.665	1192.935	187.037
33.200	43.077	40.873	0.835	0.665	1192.935	187.037
33.400	43.047	40.873	0.835	0.665	1192.935	187.037
33.600	43.017	40.873	0.835	0.665	1192.935	187.037
33.800	42.985	40.873	0.835	0.665	1192.935	187.037
34.000	42.953	40.873	0.835	0.665	1192.935	187.037
34.200	42.921	40.873	0.835	0.665	1192.935	187.037
34.400	42.889	40.873	0.835	0.665	1192.935	187.037
34.600	42.857	40.873	0.835	0.665	1192.935	187.037
34.800	42.825	40.873	0.835	0.665	1192.935	187.037
35.000	42.793	40.873	0.835	0.665	1192.935	187.037
35.200	42.761	40.873	0.835	0.665	1192.935	187.037
35.400	42.729	40.873	0.835	0.665	1192.935	187.037
35.600	42.697	40.873	0.835	0.665	1192.935	187.037
35.800	42.665	40.873	0.835	0.665	1192.935	187.037
36.000	42.633	40.873	0.835	0.665	1192.935	187.037
36.200	42.601	40.873	0.835	0.665	1192.935	187.037
36.400	42.569	40.873	0.835	0.665	1192.935	187.037
36.600	42.537	40.873	0.835	0.665	1192.935	187.037
36.800	42.505	40.873	0.835	0.665	1192.935	187.037
37.000	42.473	40.873	0.835	0.665	1192.935	187.037
37.200	42.441	40.873	0.835	0.665	1192.935	187.037
37.400	42.409	40.873	0.835	0.665	1192.935	187.037
37.600	42.376	40.873	0.835	0.665	1192.935	187.037
37.800	42.344	40.873	0.835	0.665	1192.935	187.037
38.000	42.312	40.873	0.835	0.665	1192.935	187.037
38.200	42.280	40.873	0.835	0.665	1192.935	187.037
38.400	42.248	40.873	0.835	0.665	1192.935	187.037
38.600	42.216	40.873	0.835	0.665	1192.935	187.037
38.800	42.184	40.873	0.835	0.665	1192.935	187.037
39.000	42.152	40.873	0.835	0.665	1192.935	187.037
39.200	42.120	40.873	0.835	0.665	1192.935	187.037
39.400	42.088	40.873	0.835	0.665	1192.935	187.037
39.600	42.056	40.873	0.835	0.665	1192.935	187.037
39.800	42.024	40.873	0.835	0.665	1192.935	187.037
40.000	41.992	40.873	0.835	0.665	1192.935	187.037
40.200	41.960	40.873	0.835	0.665	1192.935	187.037
40.400	41.928	40.873	0.835	0.665	1192.935	187.037
40.600	41.896	40.873	0.835	0.665	1192.935	187.037
40.800	41.864	40.873	0.835	0.665	1192.935	187.037
41.000	41.832	40.873	0.835	0.665	1192.935	187.037
41.200	41.800	40.873	0.835	0.665	1192.935	187.037
41.400	41.768	40.873	0.835	0.665	1192.935	187.037
41.600	41.736	40.873	0.835	0.665	1192.935	187.037
41.800	41.704	40.873	0.835	0.665	1192.935	187.037
42.000	41.672	40.873	0.835	0.665	1192.935	187.037
42.200	41.640	40.873	0.835	0.665	1192.935	187.037
42.400	41.608	40.873	0.835	0.665	1192.935	187.037
42.600	41.576	40.873	0.835	0.665	1192.935	187.037
42.800	41.544	40.873	0.835	0.665	1192.935	187.037
43.000	41.511	40.873	0.835	0.665	1192.935	187.037
43.200	41.479	40.873	0.835	0.665	1192.935	187.037
43.400	41.447	40.873	0.835	0.665	1192.935	187.037
43.600	41.415	40.873	0.835	0.665	1192.935	187.037
43.800	41.383	40.873	0.835	0.665	1192.935	187.037
44.000	41.351	40.873	0.835	0.665	1192.935	187.037
44.200	41.319	40.873	0.835	0.665	1192.935	187.037
44.400	41.287	40.873	0.835	0.665	1192.935	187.037
44.600	41.255	40.873	0.835	0.665	1192.935	187.037
44.800	41.223	40.873	0.835	0.665	1192.935	187.037
45.000	41.191	40.873	0.835	0.665	1192.935	187.037
45.200	41.159	40.873	0.835	0.665	1192.935	187.037
45.400	41.127	40.873	0.835	0.665	1192.935	187.037
45.600	41.095	40.873	0.835	0.665	1192.935	187.037
45.800	41.063	40.873	0.835	0.665	1192.935	187.037
46.000	41.031	40.873	0.835	0.665	1192.935	187.037
46.200	40.999	40.873	0.835	0.665	1192.935	187.037
46.400	40.967	40.873	0.835	0.665	1192.935	187.037

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
46.600	40.935	40.873	0.835	0.665	1192.935	187.037
46.800	40.903	40.873	0.835	0.665	1192.935	187.037
47.000	40.871	40.873	0.835	0.665	1192.935	187.037
47.200	40.839	40.873	0.835	0.665	1192.935	187.037
47.400	40.807	40.873	0.835	0.665	1192.935	187.037
47.600	40.775	40.873	0.835	0.665	1192.935	187.037
47.800	40.743	40.873	0.835	0.665	1192.935	187.037
48.000	40.711	40.873	0.835	0.665	1192.935	187.037
48.200	40.678	40.873	0.835	0.665	1192.935	187.037
48.400	40.646	40.873	0.835	0.665	1192.935	187.037
48.600	40.614	40.873	0.835	0.665	1192.935	187.037
48.800	40.582	40.873	0.835	0.665	1192.935	187.037
49.000	40.550	40.873	0.835	0.665	1192.935	187.037
49.200	40.518	40.873	0.835	0.665	1192.935	187.037
49.400	40.486	40.873	0.835	0.665	1192.935	187.037
49.600	40.454	40.873	0.835	0.665	1192.935	187.037
49.800	40.422	40.873	0.835	0.665	1192.935	187.037
50.000	40.390	40.873	0.835	0.665	1192.935	187.037
50.200	40.358	40.873	0.835	0.665	1192.935	187.037
50.400	40.326	40.873	0.835	0.665	1192.935	187.037
50.600	40.294	40.873	0.835	0.665	1192.935	187.037
50.800	40.262	40.873	0.835	0.665	1192.935	187.037
51.000	40.230	40.873	0.835	0.665	1192.935	187.037
51.200	40.198	40.873	0.835	0.665	1192.935	187.037
51.400	40.166	40.873	0.835	0.665	1192.935	187.037
51.600	40.134	40.873	0.835	0.665	1192.935	187.037
51.800	40.102	40.873	0.835	0.665	1192.935	187.037
52.000	40.070	40.873	0.835	0.665	1192.935	187.037
52.200	40.038	40.873	0.835	0.665	1192.935	187.037
52.400	40.006	40.873	0.835	0.665	1192.935	187.037
52.600	39.974	40.873	0.835	0.665	1192.935	187.037
52.800	39.942	40.873	0.835	0.665	1192.935	187.037
53.000	39.910	40.873	0.835	0.665	1192.935	187.037
53.200	39.878	40.873	0.835	0.665	1192.935	187.037
53.400	39.845	40.873	0.835	0.665	1192.935	187.037
53.600	39.813	40.873	0.835	0.665	1192.935	187.037
53.800	39.781	40.873	0.835	0.665	1192.935	187.037
54.000	39.749	40.873	0.835	0.665	1192.935	187.037
54.200	39.717	40.873	0.835	0.665	1192.935	187.037
54.400	39.685	40.873	0.835	0.665	1192.935	187.037
54.600	39.653	40.873	0.835	0.665	1192.935	187.037
54.800	39.621	40.873	0.835	0.665	1192.935	187.037
55.000	39.589	40.873	0.835	0.665	1192.935	187.037
55.200	39.557	40.873	0.835	0.665	1192.935	187.037
55.400	39.525	40.873	0.835	0.665	1192.935	187.037
55.600	39.493	40.873	0.835	0.665	1192.935	187.037
55.800	39.461	40.873	0.835	0.665	1192.935	187.037
56.000	39.429	40.873	0.835	0.665	1192.935	187.037
56.200	39.397	40.873	0.835	0.665	1192.935	187.037
56.400	39.365	40.873	0.835	0.665	1192.935	187.037
56.600	39.333	40.873	0.835	0.665	1192.935	187.037
56.800	39.301	40.873	0.835	0.665	1192.935	187.037
57.000	39.269	40.873	0.835	0.665	1192.935	187.037
57.200	39.237	40.873	0.835	0.665	1192.935	187.037
57.400	39.205	40.873	0.835	0.665	1192.935	187.037
57.600	39.173	40.873	0.835	0.665	1192.935	187.037
57.800	39.141	40.873	0.835	0.665	1192.935	187.037
58.000	39.109	40.873	0.835	0.665	1192.935	187.037
58.200	39.077	40.873	0.835	0.665	1192.935	187.037
58.400	39.045	40.873	0.835	0.665	1192.935	187.037
58.600	39.012	40.873	0.835	0.665	1192.935	187.037
58.800	38.980	40.873	0.835	0.665	1192.935	187.037
59.000	38.948	40.873	0.835	0.665	1192.935	187.037
59.200	38.916	40.873	0.835	0.665	1192.935	187.037
59.400	38.880	40.873	0.835	0.665	1192.935	187.037
59.600	38.844	40.873	0.835	0.665	1192.935	187.037
59.800	38.808	40.873	0.835	0.665	1192.935	187.037
60.000	38.773	40.873	0.835	0.665	1192.935	187.037
60.200	38.737	40.873	0.835	0.665	1192.935	187.037
60.400	38.701	40.873	0.835	0.665	1192.935	187.037
60.600	38.665	40.873	0.835	0.665	1192.935	187.037
60.800	38.629	40.873	0.835	0.665	1192.935	187.037
61.000	38.593	40.873	0.835	0.665	1192.935	187.037
61.200	38.558	40.871	0.834	0.666	1192.934	186.982
61.400	38.522	40.867	0.834	0.666	1192.934	186.927
61.600	38.486	40.863	0.834	0.666	1192.934	186.873
61.800	38.450	40.859	0.834	0.666	1192.934	186.818
62.000	38.414	40.855	0.834	0.666	1192.934	186.763
62.200	38.378	40.851	0.834	0.666	1192.934	186.708
62.400	38.342	40.847	0.834	0.666	1192.934	186.653
62.600	38.307	40.843	0.833	0.667	1192.933	186.599
62.800	38.271	40.839	0.833	0.667	1192.933	186.544
63.000	38.235	40.835	0.833	0.667	1192.933	186.489

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
63.200	38.199	40.831	0.833	0.667	1192.933	186.434
63.400	38.163	40.827	0.833	0.667	1192.933	186.380
63.600	38.127	40.823	0.833	0.667	1192.933	186.325
63.800	38.092	40.819	0.833	0.667	1192.933	186.270
64.000	38.056	40.815	0.832	0.668	1192.932	186.215
64.200	38.020	40.811	0.832	0.668	1192.932	186.161
64.400	37.984	40.807	0.832	0.668	1192.932	186.106
64.600	37.948	40.803	0.832	0.668	1192.932	186.051
64.800	37.912	40.799	0.832	0.668	1192.932	185.996
65.000	37.877	40.795	0.832	0.668	1192.932	185.942
65.200	37.841	40.791	0.831	0.669	1192.931	185.887
65.400	37.805	40.787	0.831	0.669	1192.931	185.832
65.600	37.771	40.783	0.831	0.669	1192.931	185.777
65.800	37.740	40.779	0.831	0.669	1192.931	185.723
66.000	37.709	40.775	0.831	0.669	1192.931	185.668
66.200	37.677	40.771	0.831	0.669	1192.931	185.613
66.400	37.646	40.767	0.831	0.669	1192.931	185.559
66.600	37.615	40.763	0.830	0.670	1192.930	185.504
66.800	37.583	40.759	0.830	0.670	1192.930	185.449
67.000	37.552	40.755	0.830	0.670	1192.930	185.395
67.200	37.520	40.751	0.830	0.670	1192.930	185.340
67.400	37.489	40.747	0.830	0.670	1192.930	185.285
67.600	37.458	40.743	0.830	0.670	1192.930	185.231
67.800	37.426	40.739	0.830	0.670	1192.930	185.176
68.000	37.395	40.735	0.829	0.671	1192.929	185.121
68.200	37.364	40.731	0.829	0.671	1192.929	185.067
68.400	37.332	40.727	0.829	0.671	1192.929	185.012
68.600	37.301	40.723	0.829	0.671	1192.929	184.957
68.800	37.270	40.719	0.829	0.671	1192.929	184.903
69.000	37.238	40.715	0.829	0.671	1192.929	184.848
69.200	37.207	40.711	0.828	0.672	1192.928	184.793
69.400	37.176	40.707	0.828	0.672	1192.928	184.739
69.600	37.144	40.703	0.828	0.672	1192.928	184.684
69.800	37.113	40.698	0.828	0.672	1192.928	184.629
70.000	37.081	40.694	0.828	0.672	1192.928	184.575
70.200	37.050	40.690	0.828	0.672	1192.928	184.520
70.400	37.019	40.686	0.828	0.672	1192.928	184.465
70.600	36.987	40.682	0.827	0.673	1192.927	184.411
70.800	36.956	40.678	0.827	0.673	1192.927	184.356
71.000	36.925	40.674	0.827	0.673	1192.927	184.302
71.200	36.893	40.670	0.827	0.673	1192.927	184.247
71.400	36.862	40.666	0.827	0.673	1192.927	184.192
71.600	36.831	40.662	0.827	0.673	1192.927	184.138
71.800	36.799	40.658	0.827	0.673	1192.927	184.083
72.000	36.768	40.654	0.826	0.674	1192.926	184.029
72.200	36.737	40.650	0.826	0.674	1192.926	183.974
72.400	36.705	40.646	0.826	0.674	1192.926	183.920
72.600	36.674	40.642	0.826	0.674	1192.926	183.865
72.800	36.642	40.638	0.826	0.674	1192.926	183.810
73.000	36.611	40.634	0.826	0.674	1192.926	183.756
73.200	36.580	40.630	0.826	0.674	1192.926	183.701
73.400	36.548	40.626	0.825	0.675	1192.925	183.647
73.600	36.517	40.622	0.825	0.675	1192.925	183.592
73.800	36.486	40.618	0.825	0.675	1192.925	183.538
74.000	36.454	40.614	0.825	0.675	1192.925	183.483
74.200	36.423	40.610	0.825	0.675	1192.925	183.429
74.400	36.392	40.606	0.825	0.675	1192.925	183.374
74.600	36.360	40.602	0.824	0.676	1192.924	183.319
74.800	36.329	40.598	0.824	0.676	1192.924	183.265
75.000	36.297	40.594	0.824	0.676	1192.924	183.210
75.200	36.266	40.590	0.824	0.676	1192.924	183.156
75.400	36.235	40.586	0.824	0.676	1192.924	183.101
75.600	36.203	40.582	0.824	0.676	1192.924	183.047
75.800	36.172	40.578	0.824	0.676	1192.924	182.992
76.000	36.141	40.574	0.823	0.677	1192.923	182.938
76.200	36.109	40.570	0.823	0.677	1192.923	182.883
76.400	36.078	40.566	0.823	0.677	1192.923	182.829
76.600	36.047	40.562	0.823	0.677	1192.923	182.774
76.800	36.015	40.558	0.823	0.677	1192.923	182.720
77.000	35.984	40.554	0.823	0.677	1192.923	182.665
77.200	35.953	40.550	0.823	0.677	1192.923	182.611
77.400	35.921	40.546	0.822	0.678	1192.922	182.556
77.600	35.890	40.542	0.822	0.678	1192.922	182.502
77.800	35.858	40.538	0.822	0.678	1192.922	182.448
78.000	35.827	40.534	0.822	0.678	1192.922	182.393
78.200	35.796	40.530	0.822	0.678	1192.922	182.339
78.400	35.764	40.526	0.822	0.678	1192.922	182.284
78.600	35.733	40.522	0.821	0.679	1192.921	182.230
78.800	35.702	40.518	0.821	0.679	1192.921	182.175
79.000	35.670	40.514	0.821	0.679	1192.921	182.121

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
79.200	35.639	40.510	0.821	0.679	1192.921	182.066
79.400	35.608	40.506	0.821	0.679	1192.921	182.012
79.600	35.576	40.502	0.821	0.679	1192.921	181.957
79.800	35.545	40.498	0.821	0.679	1192.921	181.903
80.000	35.514	40.494	0.820	0.680	1192.920	181.849
80.200	35.482	40.490	0.820	0.680	1192.920	181.794
80.400	35.451	40.486	0.820	0.680	1192.920	181.740
80.600	35.419	40.482	0.820	0.680	1192.920	181.685
80.800	35.388	40.478	0.820	0.680	1192.920	181.631
81.000	35.357	40.474	0.820	0.680	1192.920	181.577
81.200	35.325	40.470	0.820	0.680	1192.920	181.522
81.400	35.294	40.466	0.819	0.681	1192.919	181.468
81.600	35.263	40.462	0.819	0.681	1192.919	181.413
81.800	35.231	40.458	0.819	0.681	1192.919	181.359
82.000	35.200	40.454	0.819	0.681	1192.919	181.305
82.200	35.169	40.450	0.819	0.681	1192.919	181.250
82.400	35.137	40.446	0.819	0.681	1192.919	181.196
82.600	35.106	40.442	0.819	0.681	1192.919	181.142
82.800	35.075	40.438	0.818	0.682	1192.918	181.087
83.000	35.043	40.434	0.818	0.682	1192.918	181.033
83.200	35.012	40.430	0.818	0.682	1192.918	180.978
83.400	34.980	40.426	0.818	0.682	1192.918	180.924
83.600	34.949	40.422	0.818	0.682	1192.918	180.870
83.800	34.918	40.418	0.818	0.682	1192.918	180.815
84.000	34.886	40.414	0.817	0.683	1192.917	180.761
84.200	34.855	40.410	0.817	0.683	1192.917	180.707
84.400	34.824	40.406	0.817	0.683	1192.917	180.652
84.600	34.792	40.402	0.817	0.683	1192.917	180.598
84.800	34.761	40.398	0.817	0.683	1192.917	180.544
85.000	34.730	40.394	0.817	0.683	1192.917	180.489
85.200	34.698	40.390	0.817	0.683	1192.917	180.435
85.400	34.667	40.386	0.816	0.684	1192.916	180.381
85.600	34.635	40.382	0.816	0.684	1192.916	180.326
85.800	34.604	40.378	0.816	0.684	1192.916	180.272
86.000	34.573	40.374	0.816	0.684	1192.916	180.218
86.200	34.541	40.370	0.816	0.684	1192.916	180.164
86.400	34.510	40.366	0.816	0.684	1192.916	180.109
86.600	34.479	40.362	0.816	0.684	1192.916	180.055
86.800	34.447	40.358	0.815	0.685	1192.915	180.001
87.000	34.416	40.354	0.815	0.685	1192.915	179.946
87.200	34.385	40.350	0.815	0.685	1192.915	179.892
87.400	34.353	40.346	0.815	0.685	1192.915	179.838
87.600	34.320	40.342	0.815	0.685	1192.915	179.784
87.800	34.284	40.338	0.815	0.685	1192.915	179.729
88.000	34.248	40.334	0.815	0.686	1192.915	179.675
88.200	34.211	40.330	0.814	0.686	1192.914	179.621
88.400	34.175	40.326	0.814	0.686	1192.914	179.567
88.600	34.139	40.322	0.814	0.686	1192.914	179.512
88.800	34.103	40.318	0.814	0.686	1192.914	179.458
89.000	34.066	40.314	0.814	0.686	1192.914	179.404
89.200	34.030	40.310	0.814	0.686	1192.914	179.350
89.400	33.994	40.306	0.813	0.687	1192.913	179.295
89.600	33.958	40.302	0.813	0.687	1192.913	179.241
89.800	33.921	40.298	0.813	0.687	1192.913	179.187
90.000	33.885	40.294	0.813	0.687	1192.913	179.133
90.200	33.849	40.290	0.813	0.687	1192.913	179.079
90.400	33.813	40.286	0.813	0.687	1192.913	179.024
90.600	33.776	40.282	0.813	0.687	1192.913	178.970
90.800	33.740	40.278	0.812	0.688	1192.912	178.916
91.000	33.704	40.274	0.812	0.688	1192.912	178.862
91.200	33.668	40.270	0.812	0.688	1192.912	178.808
91.400	33.631	40.266	0.812	0.688	1192.912	178.753
91.600	33.595	40.262	0.812	0.688	1192.912	178.699
91.800	33.559	40.258	0.812	0.688	1192.912	178.645
92.000	33.523	40.254	0.812	0.688	1192.912	178.591
92.200	33.486	40.250	0.811	0.689	1192.911	178.537
92.400	33.450	40.244	0.811	0.689	1192.911	178.482
92.600	33.414	40.236	0.811	0.689	1192.911	178.320
92.800	33.378	40.228	0.810	0.690	1192.910	178.212
93.000	33.341	40.220	0.810	0.690	1192.910	178.103
93.200	33.305	40.212	0.810	0.690	1192.910	177.995
93.400	33.269	40.204	0.810	0.690	1192.910	177.887
93.600	33.233	40.196	0.809	0.691	1192.909	177.779
93.800	33.196	40.188	0.809	0.691	1192.909	177.670
94.000	33.160	40.180	0.809	0.691	1192.909	177.562
94.200	33.124	40.172	0.808	0.692	1192.908	177.454
94.400	33.088	40.164	0.808	0.692	1192.908	177.346
94.600	33.051	40.156	0.808	0.692	1192.908	177.238
94.800	33.015	40.148	0.808	0.693	1192.908	177.130
95.000	32.979	40.140	0.807	0.693	1192.907	177.021
95.200	32.943	40.132	0.807	0.693	1192.907	176.913

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
95.400	32.906	40.124	0.807	0.693	1192.907	176.805
95.600	32.870	40.116	0.806	0.694	1192.906	176.697
95.800	32.834	40.108	0.806	0.694	1192.906	176.589
96.000	32.798	40.100	0.806	0.694	1192.906	176.481
96.200	32.761	40.092	0.805	0.695	1192.905	176.373
96.400	32.725	40.084	0.805	0.695	1192.905	176.265
96.600	32.689	40.076	0.805	0.695	1192.905	176.157
96.800	32.653	40.068	0.805	0.695	1192.905	176.049
97.000	32.616	40.060	0.804	0.696	1192.904	175.941
97.200	32.580	40.052	0.804	0.696	1192.904	175.833
97.400	32.544	40.044	0.804	0.696	1192.904	175.725
97.600	32.508	40.036	0.803	0.697	1192.903	175.617
97.800	32.471	40.028	0.803	0.697	1192.903	175.509
98.000	32.435	40.020	0.803	0.697	1192.903	175.402
98.200	32.399	40.012	0.802	0.698	1192.902	175.294
98.400	32.362	40.004	0.802	0.698	1192.902	175.186
98.600	32.326	39.996	0.802	0.698	1192.902	175.078
98.800	32.290	39.988	0.802	0.698	1192.902	174.970
99.000	32.254	39.980	0.801	0.699	1192.901	174.862
99.200	32.217	39.972	0.801	0.699	1192.901	174.755
99.400	32.181	39.964	0.801	0.699	1192.901	174.647
99.600	32.145	39.956	0.800	0.700	1192.900	174.539
99.800	32.109	39.948	0.800	0.700	1192.900	174.431
100.000	32.072	39.940	0.800	0.700	1192.900	174.324
100.200	32.036	39.932	0.799	0.701	1192.899	174.216
100.400	32.000	39.924	0.799	0.701	1192.899	174.108
100.600	31.964	39.916	0.799	0.701	1192.899	174.001
100.800	31.927	39.908	0.799	0.701	1192.899	173.893
101.000	31.891	39.900	0.798	0.702	1192.898	173.785
101.200	31.855	39.892	0.798	0.702	1192.898	173.678
101.400	31.819	39.884	0.798	0.702	1192.898	173.570
101.600	31.782	39.876	0.797	0.703	1192.897	173.463
101.800	31.746	39.868	0.797	0.703	1192.897	173.355
102.000	31.710	39.859	0.797	0.703	1192.897	173.247
102.200	31.674	39.851	0.796	0.704	1192.896	173.140
102.400	31.637	39.843	0.796	0.704	1192.896	173.032
102.600	31.601	39.835	0.796	0.704	1192.896	172.925
102.800	31.565	39.827	0.796	0.704	1192.896	172.817
103.000	31.529	39.819	0.795	0.705	1192.895	172.710
103.200	31.492	39.811	0.795	0.705	1192.895	172.602
103.400	31.456	39.803	0.795	0.705	1192.895	172.495
103.600	31.420	39.795	0.794	0.706	1192.894	172.388
103.800	31.384	39.787	0.794	0.706	1192.894	172.280
104.000	31.347	39.779	0.794	0.706	1192.894	172.173
104.200	31.311	39.771	0.794	0.706	1192.894	172.065
104.400	31.275	39.763	0.793	0.707	1192.893	171.958
104.600	31.239	39.755	0.793	0.707	1192.893	171.851
104.800	31.202	39.747	0.793	0.707	1192.893	171.743
105.000	31.166	39.739	0.792	0.708	1192.892	171.636
105.200	31.130	39.731	0.792	0.708	1192.892	171.529
105.400	31.094	39.723	0.792	0.708	1192.892	171.422
105.600	31.057	39.715	0.791	0.709	1192.891	171.314
105.800	31.021	39.707	0.791	0.709	1192.891	171.207
106.000	30.985	39.699	0.791	0.709	1192.891	171.100
106.200	30.949	39.691	0.791	0.709	1192.891	170.993
106.400	30.912	39.683	0.790	0.710	1192.890	170.885
106.600	30.876	39.675	0.790	0.710	1192.890	170.778
106.800	30.840	39.667	0.790	0.710	1192.890	170.671
107.000	30.804	39.659	0.789	0.711	1192.889	170.564
107.200	30.767	39.651	0.789	0.711	1192.889	170.457
107.400	30.731	39.643	0.789	0.711	1192.889	170.350
107.600	30.695	39.635	0.788	0.712	1192.888	170.243
107.800	30.659	39.627	0.788	0.712	1192.888	170.136
108.000	30.622	39.619	0.788	0.712	1192.888	170.028
108.200	30.586	39.611	0.788	0.712	1192.888	169.921
108.400	30.550	39.603	0.787	0.713	1192.887	169.814
108.600	30.514	39.595	0.787	0.713	1192.887	169.707
108.800	30.477	39.587	0.787	0.713	1192.887	169.600
109.000	30.441	39.579	0.786	0.714	1192.886	169.493
109.200	30.405	39.571	0.786	0.714	1192.886	169.386
109.400	30.369	39.563	0.786	0.714	1192.886	169.279
109.600	30.332	39.555	0.785	0.715	1192.885	169.173
109.800	30.296	39.547	0.785	0.715	1192.885	169.066
110.000	30.260	39.539	0.785	0.715	1192.885	168.959
110.200	30.224	39.531	0.785	0.715	1192.885	168.852
110.400	30.187	39.523	0.784	0.716	1192.884	168.745
110.600	30.151	39.515	0.784	0.716	1192.884	168.638
110.800	30.115	39.507	0.784	0.716	1192.884	168.531
111.000	30.079	39.499	0.783	0.717	1192.883	168.424
111.200	30.042	39.491	0.783	0.717	1192.883	168.318
111.400	30.006	39.483	0.783	0.717	1192.883	168.211
111.600	29.970	39.475	0.783	0.718	1192.883	168.104
111.800	29.934	39.467	0.782	0.718	1192.882	167.997

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
112.000	29.897	39.459	0.782	0.718	1192.882	167.891
112.200	29.861	39.451	0.782	0.718	1192.882	167.784
112.400	29.825	39.443	0.781	0.719	1192.881	167.677
112.600	29.789	39.435	0.781	0.719	1192.881	167.570
112.800	29.752	39.427	0.781	0.719	1192.881	167.464
113.000	29.716	39.419	0.780	0.720	1192.880	167.357
113.200	29.680	39.411	0.780	0.720	1192.880	167.251
113.400	29.644	39.403	0.780	0.720	1192.880	167.144
113.600	29.607	39.395	0.780	0.720	1192.880	167.037
113.800	29.571	39.387	0.779	0.721	1192.879	166.931
114.000	29.535	39.379	0.779	0.721	1192.879	166.824
114.200	29.499	39.371	0.779	0.721	1192.879	166.718
114.400	29.462	39.363	0.778	0.722	1192.878	166.611
114.600	29.426	39.355	0.778	0.722	1192.878	166.504
114.800	29.390	39.347	0.778	0.722	1192.878	166.398
115.000	29.353	39.339	0.777	0.723	1192.877	166.291
115.200	29.317	39.331	0.777	0.723	1192.877	166.185
115.400	29.281	39.323	0.777	0.723	1192.877	166.079
115.600	29.245	39.315	0.777	0.723	1192.877	165.972
115.800	29.208	39.307	0.776	0.724	1192.876	165.866
116.000	29.172	39.299	0.776	0.724	1192.876	165.759
116.200	29.136	39.291	0.776	0.724	1192.876	165.653
116.400	29.100	39.283	0.775	0.725	1192.875	165.546
116.600	29.063	39.275	0.775	0.725	1192.875	165.440
116.800	29.027	39.267	0.775	0.725	1192.875	165.334
117.000	28.982	39.259	0.774	0.726	1192.874	165.227
117.200	28.937	39.251	0.774	0.726	1192.874	165.121
117.400	28.893	39.243	0.774	0.726	1192.874	165.015
117.600	28.848	39.235	0.774	0.726	1192.874	164.909
117.800	28.804	39.227	0.773	0.727	1192.873	164.802
118.000	28.759	39.219	0.773	0.727	1192.873	164.696
118.200	28.715	39.211	0.773	0.727	1192.873	164.590
118.400	28.670	39.203	0.772	0.728	1192.872	164.484
118.600	28.625	39.195	0.772	0.728	1192.872	164.377
118.800	28.581	39.187	0.772	0.728	1192.872	164.271
119.000	28.536	39.179	0.771	0.729	1192.871	164.165
119.200	28.492	39.171	0.771	0.729	1192.871	164.059
119.400	28.447	39.163	0.771	0.729	1192.871	163.953
119.600	28.403	39.155	0.771	0.729	1192.871	163.847
119.800	28.358	39.147	0.770	0.730	1192.870	163.740
120.000	28.314	39.139	0.770	0.730	1192.870	163.634
120.200	28.269	39.131	0.770	0.730	1192.870	163.528
120.400	28.224	39.123	0.769	0.731	1192.869	163.422
120.600	28.180	39.115	0.769	0.731	1192.869	163.316
120.800	28.135	39.107	0.769	0.731	1192.869	163.210
121.000	28.091	39.099	0.769	0.731	1192.869	163.104
121.200	28.046	39.091	0.768	0.732	1192.868	162.997
121.400	28.002	39.079	0.768	0.732	1192.868	162.891
121.600	27.957	39.067	0.767	0.733	1192.867	162.784
121.800	27.912	39.055	0.767	0.733	1192.867	162.678
122.000	27.868	39.043	0.766	0.734	1192.866	162.571
122.200	27.823	39.031	0.766	0.734	1192.866	162.465
122.400	27.779	39.018	0.765	0.735	1192.865	162.358
122.600	27.734	39.006	0.765	0.735	1192.865	162.252
122.800	27.690	38.994	0.765	0.735	1192.865	162.145
123.000	27.645	38.982	0.764	0.736	1192.864	162.039
123.200	27.600	38.970	0.764	0.736	1192.864	161.932
123.400	27.556	38.958	0.763	0.737	1192.863	161.826
123.600	27.511	38.946	0.763	0.737	1192.863	161.719
123.800	27.467	38.934	0.762	0.738	1192.862	161.613
124.000	27.422	38.922	0.762	0.738	1192.862	161.506
124.200	27.378	38.909	0.761	0.739	1192.861	161.400
124.400	27.333	38.896	0.761	0.739	1192.861	161.293
124.600	27.288	38.882	0.761	0.739	1192.861	161.187
124.800	27.244	38.869	0.760	0.740	1192.860	161.080
125.000	27.199	38.855	0.760	0.740	1192.860	160.974
125.200	27.155	38.842	0.759	0.741	1192.859	160.867
125.400	27.110	38.829	0.759	0.741	1192.859	160.761
125.600	27.066	38.815	0.758	0.742	1192.858	160.654
125.800	27.021	38.802	0.758	0.742	1192.858	160.548
126.000	26.977	38.788	0.757	0.743	1192.857	160.441
126.200	26.932	38.775	0.757	0.743	1192.857	160.335
126.400	26.888	38.761	0.757	0.743	1192.857	160.228
126.600	26.843	38.748	0.756	0.744	1192.856	160.122
126.800	26.799	38.734	0.756	0.744	1192.856	160.015
127.000	26.755	38.721	0.755	0.745	1192.855	159.908
127.200	26.711	38.708	0.755	0.745	1192.855	159.802
127.400	26.667	38.694	0.754	0.746	1192.854	159.695
127.600	26.623	38.681	0.754	0.746	1192.854	159.589
127.800	26.579	38.667	0.753	0.747	1192.853	159.482
128.000	26.535	38.654	0.753	0.747	1192.853	159.376
128.200	26.491	38.640	0.753	0.747	1192.853	159.269
128.400	26.447	38.627	0.752	0.748	1192.852	159.163

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
128.600	26.308	38.614	0.752	0.748	1192.852	157.115
128.800	26.257	38.600	0.751	0.749	1192.851	156.957
129.000	26.206	38.587	0.751	0.749	1192.851	156.800
129.200	26.155	38.573	0.750	0.750	1192.850	156.642
129.400	26.104	38.560	0.750	0.750	1192.850	156.485
129.600	26.053	38.546	0.749	0.751	1192.849	156.327
129.800	26.002	38.533	0.749	0.751	1192.849	156.170
130.000	25.951	38.519	0.748	0.752	1192.848	156.013
130.200	25.900	38.506	0.748	0.752	1192.848	155.855
130.400	25.849	38.493	0.748	0.752	1192.848	155.698
130.600	25.799	38.479	0.747	0.753	1192.847	155.541
130.800	25.748	38.466	0.747	0.753	1192.847	155.384
131.000	25.697	38.452	0.746	0.754	1192.846	155.226
131.200	25.646	38.439	0.746	0.754	1192.846	155.069
131.400	25.595	38.425	0.745	0.755	1192.845	154.912
131.600	25.544	38.412	0.745	0.755	1192.845	154.755
131.800	25.493	38.398	0.744	0.756	1192.844	154.598
132.000	25.442	38.385	0.744	0.756	1192.844	154.441
132.200	25.391	38.372	0.744	0.756	1192.844	154.284
132.400	25.340	38.358	0.743	0.757	1192.843	154.127
132.600	25.289	38.345	0.743	0.757	1192.843	153.970
132.800	25.238	38.331	0.742	0.758	1192.842	153.813
133.000	25.187	38.318	0.742	0.758	1192.842	153.656
133.200	25.136	38.304	0.741	0.759	1192.841	153.500
133.400	25.085	38.291	0.741	0.759	1192.841	153.343
133.600	25.034	38.278	0.740	0.760	1192.840	153.186
133.800	24.984	38.264	0.740	0.760	1192.840	153.029
134.000	24.933	38.251	0.740	0.760	1192.840	152.873
134.200	24.882	38.237	0.739	0.761	1192.839	152.716
134.400	24.831	38.224	0.739	0.761	1192.839	152.560
134.600	24.780	38.210	0.738	0.762	1192.838	152.403
134.800	24.729	38.197	0.738	0.762	1192.838	152.247
135.000	24.678	38.183	0.737	0.763	1192.837	152.090
135.200	24.627	38.170	0.737	0.763	1192.837	151.934
135.400	24.576	38.157	0.736	0.764	1192.836	151.777
135.600	24.525	38.143	0.736	0.764	1192.836	151.621
135.800	24.474	38.130	0.736	0.764	1192.836	151.465
136.000	24.423	38.116	0.735	0.765	1192.835	151.308
136.200	24.372	38.103	0.735	0.765	1192.835	151.152
136.400	24.321	38.089	0.734	0.766	1192.834	150.996
136.600	24.270	38.076	0.734	0.766	1192.834	150.840
136.800	24.219	38.063	0.733	0.767	1192.833	150.684
137.000	24.169	38.049	0.733	0.767	1192.833	150.528
137.200	24.118	38.036	0.732	0.768	1192.832	150.372
137.400	24.067	38.022	0.732	0.768	1192.832	150.215
137.600	24.016	38.009	0.732	0.768	1192.832	150.060
137.800	23.965	37.995	0.731	0.769	1192.831	149.904
138.000	23.914	37.982	0.731	0.769	1192.831	149.748
138.200	23.863	37.968	0.730	0.770	1192.830	149.592
138.400	23.812	37.955	0.730	0.770	1192.830	149.436
138.600	23.761	37.942	0.729	0.771	1192.829	149.280
138.800	23.710	37.928	0.729	0.771	1192.829	149.124
139.000	23.659	37.915	0.728	0.772	1192.828	148.969
139.200	23.608	37.901	0.728	0.772	1192.828	148.813
139.400	23.557	37.888	0.728	0.772	1192.828	148.657
139.600	23.506	37.874	0.727	0.773	1192.827	148.502
139.800	23.455	37.861	0.727	0.773	1192.827	148.346
140.000	23.404	37.847	0.726	0.774	1192.826	148.191
140.200	23.354	37.834	0.726	0.774	1192.826	148.035
140.400	23.303	37.821	0.725	0.775	1192.825	147.880
140.600	23.252	37.807	0.725	0.775	1192.825	147.724
140.800	23.201	37.794	0.724	0.776	1192.824	147.569
141.000	23.150	37.780	0.724	0.776	1192.824	147.413
141.200	23.099	37.767	0.723	0.777	1192.823	147.258
141.400	23.048	37.753	0.723	0.777	1192.823	147.103
141.600	22.997	37.740	0.723	0.777	1192.823	146.947
141.800	22.946	37.727	0.722	0.778	1192.822	146.792
142.000	22.895	37.713	0.722	0.778	1192.822	146.637
142.200	22.844	37.700	0.721	0.779	1192.821	146.482
142.400	22.793	37.686	0.721	0.779	1192.821	146.327
142.600	22.742	37.673	0.720	0.780	1192.820	146.172
142.800	22.691	37.659	0.720	0.780	1192.820	146.017
143.000	22.640	37.646	0.719	0.781	1192.819	145.862
143.200	22.589	37.633	0.719	0.781	1192.819	145.707
143.400	22.538	37.620	0.718	0.782	1192.818	145.552
143.600	22.487	37.606	0.718	0.782	1192.818	145.397
143.800	22.436	37.593	0.717	0.783	1192.817	145.242
144.000	22.385	37.579	0.716	0.784	1192.816	145.087
144.200	22.334	37.566	0.716	0.784	1192.816	144.932
144.400	22.283	37.552	0.715	0.785	1192.815	144.777
144.600	22.232	37.539	0.715	0.785	1192.815	144.622
144.800	22.181	37.525	0.714	0.786	1192.814	144.467
145.000	22.130	37.512	0.714	0.786	1192.814	144.312

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
145.200	21.712	37.451	0.713	0.787	1192.813	143.593
145.400	21.629	37.433	0.712	0.788	1192.812	143.387
145.600	21.546	37.415	0.712	0.788	1192.812	143.181
145.800	21.463	37.397	0.711	0.789	1192.811	142.975
146.000	21.380	37.379	0.711	0.789	1192.811	142.769
146.200	21.297	37.361	0.710	0.790	1192.810	142.564
146.400	21.214	37.344	0.709	0.791	1192.809	142.358
146.600	21.131	37.326	0.709	0.791	1192.809	142.153
146.800	21.048	37.308	0.708	0.792	1192.808	141.947
147.000	20.965	37.290	0.708	0.792	1192.808	141.742
147.200	20.882	37.272	0.707	0.793	1192.807	141.537
147.400	20.799	37.254	0.706	0.794	1192.806	141.331
147.600	20.716	37.236	0.706	0.794	1192.806	141.126
147.800	20.633	37.218	0.705	0.795	1192.805	140.921
148.000	20.550	37.200	0.705	0.795	1192.805	140.716
148.200	20.467	37.182	0.704	0.796	1192.804	140.511
148.400	20.384	37.164	0.703	0.797	1192.803	140.306
148.600	20.301	37.146	0.703	0.797	1192.803	140.101
148.800	20.218	37.128	0.702	0.798	1192.802	139.897
149.000	20.135	37.111	0.702	0.798	1192.802	139.692
149.200	20.052	37.093	0.701	0.799	1192.801	139.487
149.400	19.968	37.075	0.700	0.800	1192.800	139.283
149.600	19.885	37.057	0.700	0.800	1192.800	139.078
149.800	19.802	37.039	0.699	0.801	1192.799	138.874
150.000	19.719	37.021	0.699	0.801	1192.799	138.669
150.200	19.636	37.003	0.698	0.802	1192.798	138.465
150.400	19.553	36.985	0.697	0.803	1192.797	138.261
150.600	19.470	36.967	0.697	0.803	1192.797	138.056
150.800	19.387	36.949	0.696	0.804	1192.796	137.852
151.000	19.304	36.931	0.696	0.804	1192.796	137.648
151.200	19.221	36.913	0.695	0.805	1192.795	137.444
151.400	19.138	36.896	0.694	0.806	1192.794	137.240
151.600	19.055	36.878	0.694	0.806	1192.794	137.036
151.800	18.972	36.860	0.693	0.807	1192.793	136.833
152.000	18.889	36.842	0.693	0.807	1192.793	136.629
152.200	18.806	36.824	0.692	0.808	1192.792	136.425
152.400	18.723	36.806	0.691	0.809	1192.791	136.221
152.600	18.640	36.788	0.691	0.809	1192.791	136.018
152.800	18.557	36.770	0.690	0.810	1192.790	135.814
153.000	18.474	36.752	0.690	0.810	1192.790	135.611
153.200	18.391	36.734	0.689	0.811	1192.789	135.408
153.400	18.308	36.716	0.689	0.811	1192.789	135.204
153.600	18.225	36.698	0.688	0.812	1192.788	135.001
153.800	18.142	36.681	0.687	0.813	1192.787	134.798
154.000	18.059	36.663	0.687	0.813	1192.787	134.595
154.200	17.976	36.645	0.686	0.814	1192.786	134.392
154.400	17.893	36.627	0.686	0.814	1192.786	134.189
154.600	17.810	36.609	0.685	0.815	1192.785	133.986
154.800	17.727	36.591	0.684	0.816	1192.784	133.783
155.000	17.644	36.573	0.684	0.816	1192.784	133.580
155.200	17.561	36.555	0.683	0.817	1192.783	133.378
155.400	17.478	36.537	0.682	0.818	1192.782	133.174
155.600	17.395	36.519	0.682	0.818	1192.782	132.971
155.800	17.312	36.499	0.681	0.819	1192.781	132.768
156.000	17.229	36.468	0.680	0.820	1192.780	132.565
156.200	17.146	36.445	0.679	0.821	1192.779	132.362
156.400	17.063	36.423	0.679	0.821	1192.779	132.159
156.600	16.975	36.401	0.678	0.822	1192.778	131.956
156.800	16.883	36.378	0.677	0.823	1192.777	131.754
157.000	16.791	36.356	0.676	0.824	1192.776	131.552
157.200	16.698	36.333	0.676	0.824	1192.776	131.349
157.400	16.606	36.311	0.675	0.825	1192.775	131.147
157.600	16.514	36.289	0.674	0.826	1192.774	130.945
157.800	16.422	36.266	0.673	0.827	1192.773	130.743
158.000	16.329	36.244	0.673	0.827	1192.773	130.541
158.200	16.237	36.221	0.672	0.828	1192.772	130.339
158.400	16.145	36.199	0.671	0.829	1192.771	130.137
158.600	16.053	36.177	0.671	0.829	1192.771	129.935
158.800	15.960	36.154	0.670	0.830	1192.770	129.733
159.000	15.868	36.132	0.669	0.831	1192.769	129.531
159.200	15.776	36.109	0.668	0.832	1192.768	129.329
159.400	15.684	36.087	0.668	0.832	1192.768	129.127
159.600	15.591	36.065	0.667	0.833	1192.767	128.925
159.800	15.499	36.042	0.666	0.834	1192.766	128.723
160.000	15.407	36.020	0.665	0.835	1192.765	128.521
160.200	15.315	35.997	0.665	0.835	1192.765	128.319
160.400	15.222	35.975	0.664	0.836	1192.764	128.117
160.600	15.130	35.953	0.663	0.837	1192.763	127.915
160.800	15.038	35.930	0.662	0.838	1192.762	127.713
161.000	14.946	35.908	0.662	0.838	1192.762	127.511
161.200	14.853	35.885	0.661	0.839	1192.761	127.309
161.400	14.761	35.863	0.660	0.840	1192.760	127.107
161.600	14.669	35.841	0.659	0.841	1192.759	126.905

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
161.800	14.577	35.818	0.659	0.841	1192.759	125.072
162.000	14.484	35.796	0.658	0.842	1192.758	124.822
162.200	14.392	35.773	0.657	0.843	1192.757	124.572
162.400	14.300	35.751	0.656	0.844	1192.756	124.323
162.600	14.208	35.729	0.656	0.844	1192.756	124.073
162.800	14.115	35.706	0.655	0.845	1192.755	123.823
163.000	14.023	35.684	0.654	0.846	1192.754	123.574
163.200	13.931	35.661	0.653	0.847	1192.753	123.325
163.400	13.839	35.639	0.653	0.847	1192.753	123.075
163.600	13.746	35.617	0.652	0.848	1192.752	122.826
163.800	13.654	35.594	0.651	0.849	1192.751	122.577
164.000	13.562	35.572	0.650	0.850	1192.750	122.328
164.200	13.470	35.549	0.650	0.850	1192.750	122.079
164.400	13.377	35.527	0.649	0.851	1192.749	121.831
164.600	13.285	35.505	0.648	0.852	1192.748	121.582
164.800	13.188	35.482	0.647	0.853	1192.747	121.333
165.000	13.087	35.460	0.647	0.853	1192.747	121.085
165.200	12.955	35.437	0.646	0.854	1192.746	120.837
165.400	12.815	35.415	0.645	0.855	1192.745	120.588
165.600	12.675	35.393	0.644	0.856	1192.744	120.340
165.800	12.534	35.368	0.644	0.856	1192.744	120.093
166.000	12.394	35.341	0.643	0.857	1192.743	119.745
166.200	12.254	35.314	0.642	0.858	1192.742	119.498
166.400	12.113	35.287	0.641	0.859	1192.741	119.251
166.600	11.973	35.260	0.640	0.860	1192.740	118.853
166.800	11.833	35.234	0.639	0.861	1192.739	118.557
167.000	11.692	35.207	0.638	0.862	1192.738	118.260
167.200	11.552	35.180	0.637	0.863	1192.737	117.963
167.400	11.412	35.153	0.636	0.864	1192.736	117.667
167.600	11.271	35.126	0.636	0.864	1192.736	117.370
167.800	11.131	35.099	0.635	0.865	1192.735	117.074
168.000	10.991	35.072	0.634	0.866	1192.734	116.778
168.200	10.850	35.045	0.633	0.867	1192.733	116.482
168.400	10.710	35.019	0.632	0.868	1192.732	116.187
168.600	10.570	34.992	0.631	0.869	1192.731	115.891
168.800	10.429	34.965	0.630	0.870	1192.730	115.596
169.000	10.289	34.938	0.629	0.871	1192.729	115.300
169.200	10.149	34.911	0.628	0.872	1192.728	115.005
169.400	10.008	34.884	0.627	0.873	1192.727	114.710
169.600	9.868	34.857	0.627	0.873	1192.727	114.415
169.800	9.728	34.830	0.626	0.874	1192.726	114.120
170.000	9.587	34.803	0.625	0.875	1192.725	113.826
170.200	9.447	34.777	0.624	0.876	1192.724	113.531
170.400	9.307	34.750	0.623	0.877	1192.723	113.237
170.600	9.166	34.723	0.622	0.878	1192.722	112.943
170.800	9.026	34.696	0.621	0.879	1192.721	112.649
171.000	8.886	34.669	0.620	0.880	1192.720	112.355
171.200	8.745	34.642	0.619	0.881	1192.719	112.061
171.400	8.605	34.615	0.619	0.881	1192.719	111.768
171.600	8.465	34.588	0.618	0.882	1192.718	111.475
171.800	8.324	34.562	0.617	0.883	1192.717	111.181
172.000	8.184	34.535	0.616	0.884	1192.716	110.888
172.200	8.044	34.508	0.615	0.885	1192.715	110.571
172.400	7.903	34.476	0.614	0.886	1192.714	110.229
172.600	7.763	34.445	0.613	0.887	1192.713	109.888
172.800	7.623	34.414	0.612	0.888	1192.712	109.547
173.000	7.482	34.382	0.611	0.889	1192.711	109.206
173.200	7.342	34.351	0.610	0.890	1192.710	108.865
173.400	7.202	34.318	0.609	0.891	1192.709	108.524
173.600	7.061	34.281	0.608	0.892	1192.708	108.184
173.800	6.921	34.245	0.607	0.893	1192.707	107.843
174.000	6.781	34.209	0.606	0.894	1192.706	107.503
174.200	6.640	34.173	0.605	0.896	1192.705	107.164
174.400	6.500	34.136	0.603	0.897	1192.703	106.824
174.600	6.360	34.100	0.602	0.898	1192.702	106.485
174.800	6.219	34.064	0.601	0.899	1192.701	106.145
175.000	6.079	34.028	0.600	0.900	1192.700	105.806
175.200	5.939	33.991	0.599	0.901	1192.699	105.468
175.400	5.798	33.955	0.598	0.902	1192.698	105.129
175.600	5.658	33.919	0.597	0.903	1192.697	104.790
175.800	5.518	33.883	0.596	0.904	1192.696	104.452
176.000	5.377	33.846	0.595	0.905	1192.695	104.114
176.200	5.237	33.810	0.594	0.906	1192.694	103.776
176.400	5.097	33.774	0.593	0.907	1192.693	103.439
176.600	4.956	33.738	0.592	0.908	1192.692	103.101
176.800	4.816	33.701	0.591	0.909	1192.691	102.764
177.000	4.676	33.665	0.590	0.910	1192.690	102.427
177.200	4.535	33.629	0.589	0.911	1192.689	102.090
177.400	4.395	33.593	0.588	0.912	1192.688	101.753
177.600	4.255	33.556	0.587	0.913	1192.687	101.417
177.800	4.114	33.520	0.586	0.914	1192.686	101.081
178.000	3.974	33.484	0.585	0.915	1192.685	100.745
178.200	3.834	33.448	0.584	0.916	1192.684	100.409

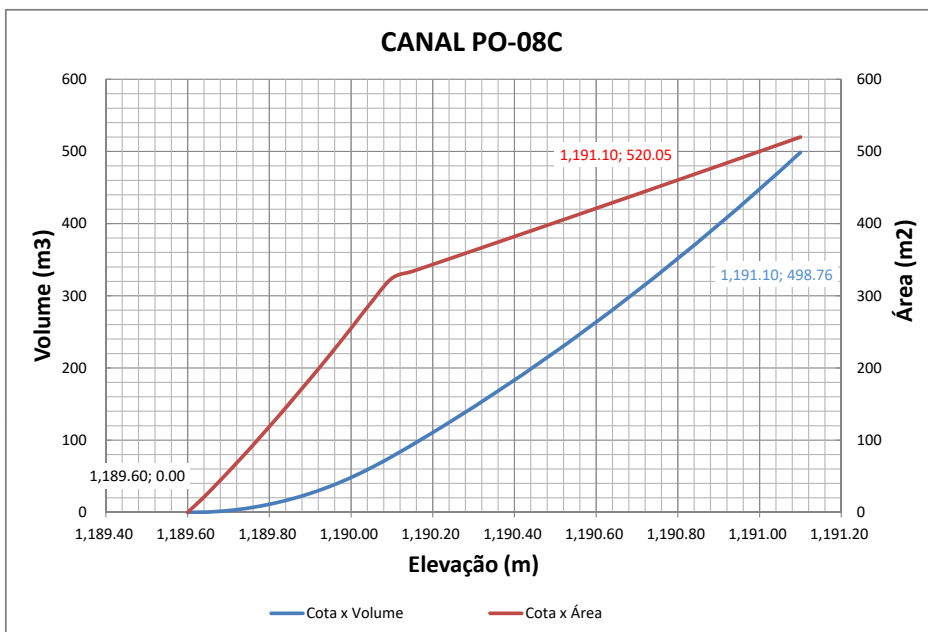
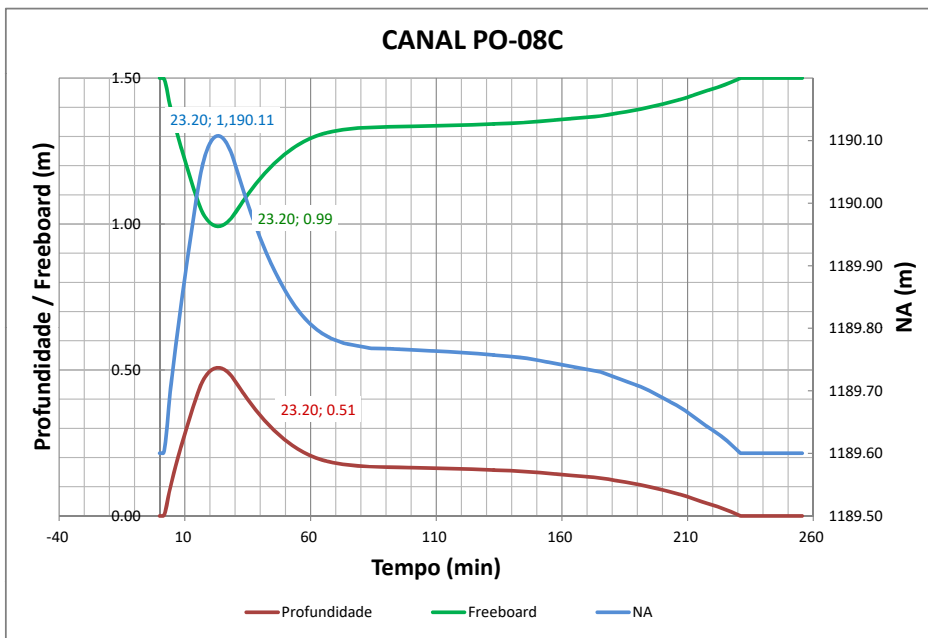
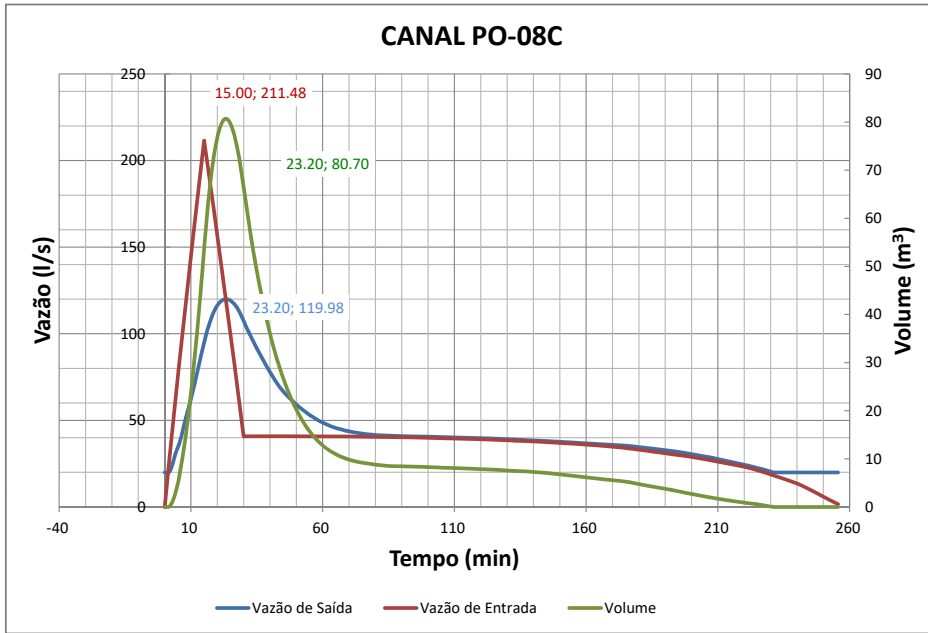
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
178.400	3.693	33.411	0.583	0.917	1192.683	100.073
178.600	3.553	33.375	0.582	0.918	1192.682	99.738
178.800	3.413	33.339	0.581	0.919	1192.681	99.402
179.000	3.279	33.300	0.579	0.921	1192.679	99.019
179.200	3.151	33.258	0.578	0.922	1192.678	98.637
179.400	3.024	33.217	0.577	0.923	1192.677	98.254
179.600	2.896	33.176	0.576	0.924	1192.676	97.872
179.800	2.768	33.134	0.575	0.925	1192.675	97.490
180.000	2.641	33.093	0.573	0.927	1192.673	97.109
180.200	2.513	33.051	0.572	0.928	1192.672	96.727
180.400	2.386	33.010	0.571	0.929	1192.671	96.346
180.600	2.258	32.968	0.570	0.930	1192.670	95.965
180.800	2.131	32.927	0.569	0.931	1192.669	95.585
181.000	2.009	32.886	0.567	0.933	1192.667	95.204
181.200	1.895	32.844	0.566	0.934	1192.666	94.824
181.400	1.780	32.803	0.565	0.935	1192.665	94.445
181.600	1.665	32.761	0.564	0.936	1192.664	94.065
181.800	1.550	32.720	0.563	0.937	1192.663	93.686
182.000	1.435	32.678	0.561	0.939	1192.661	93.307
182.200	1.333	32.637	0.560	0.940	1192.660	92.928
182.400	1.231	32.596	0.559	0.941	1192.659	92.549
182.600	1.129	32.554	0.558	0.942	1192.658	92.171
182.800	1.027	32.513	0.557	0.943	1192.657	91.793
183.000	0.938	32.471	0.556	0.944	1192.656	91.415
183.200	0.848	32.430	0.554	0.946	1192.654	91.038
183.400	0.759	32.388	0.553	0.947	1192.653	90.660
183.600	0.683	32.347	0.552	0.948	1192.652	90.284
183.800	0.606	32.306	0.551	0.949	1192.651	89.907
184.000	0.529	32.264	0.550	0.950	1192.650	89.530
184.200	0.466	32.223	0.548	0.952	1192.648	89.154
184.400	0.402	32.181	0.547	0.953	1192.647	88.778
184.600	0.344	32.140	0.546	0.954	1192.646	88.402
184.800	0.293	32.098	0.545	0.955	1192.645	88.027
185.000	0.249	32.057	0.544	0.956	1192.644	87.652
185.200	0.211	32.016	0.542	0.958	1192.642	87.277
185.400	0.172	31.974	0.541	0.959	1192.641	86.902
185.600	0.147	31.933	0.540	0.960	1192.640	86.528
185.800	0.121	31.891	0.539	0.961	1192.639	86.154
186.000	0.096	31.850	0.538	0.962	1192.638	85.780
186.200	0.083	31.808	0.536	0.964	1192.636	85.406
186.400	0.070	31.767	0.535	0.965	1192.635	85.033
186.600	0.057	31.725	0.534	0.966	1192.634	84.660
186.800	0.045	31.684	0.533	0.967	1192.633	84.287
187.000	0.032	31.643	0.532	0.968	1192.632	83.914
187.200	0.026	31.601	0.531	0.969	1192.631	83.542
187.400	0.026	31.560	0.529	0.971	1192.629	83.170
187.600	0.026	31.518	0.528	0.972	1192.628	82.798
187.800	0.026	31.477	0.527	0.973	1192.627	82.426
188.000	0.026	31.435	0.526	0.974	1192.626	82.055
188.200	0.026	31.394	0.525	0.975	1192.625	81.684
188.400	0.026	31.353	0.523	0.977	1192.623	81.313
188.600	0.026	31.311	0.522	0.978	1192.622	80.943
188.800	0.026	31.270	0.521	0.979	1192.621	80.572
189.000	0.026	31.228	0.520	0.980	1192.620	80.202
189.200	0.026	31.187	0.519	0.981	1192.619	79.833
189.400	0.026	31.145	0.517	0.983	1192.617	79.463
189.600	0.026	31.104	0.516	0.984	1192.616	79.094
189.800	0.026	31.063	0.515	0.985	1192.615	78.725
190.000	0.026	31.021	0.514	0.986	1192.614	78.356
190.200	0.026	30.980	0.513	0.987	1192.613	77.988
190.400	0.026	30.938	0.511	0.989	1192.611	77.619
190.600	0.026	30.897	0.510	0.990	1192.610	77.251
190.800	0.026	30.855	0.509	0.991	1192.609	76.884
191.000	0.026	30.814	0.508	0.992	1192.608	76.516
191.200	0.026	30.773	0.507	0.993	1192.607	76.149
191.400	0.026	30.731	0.506	0.994	1192.606	75.782
191.600	0.026	30.690	0.504	0.996	1192.604	75.415
191.800	0.026	30.648	0.503	0.997	1192.603	75.049
192.000	0.026	30.607	0.502	0.998	1192.602	74.683
192.200	0.026	30.565	0.501	0.999	1192.601	74.317
192.400	0.026	30.524	0.500	1.000	1192.600	73.951
192.600	0.026	30.483	0.498	1.002	1192.598	73.586
192.800	0.026	30.441	0.497	1.003	1192.597	73.222
193.000	0.026	30.400	0.496	1.004	1192.596	72.859
193.200	0.026	30.358	0.495	1.005	1192.595	72.497
193.400	0.026	30.317	0.494	1.006	1192.594	72.136
193.600	0.026	30.275	0.492	1.008	1192.592	71.775
193.800	0.026	30.234	0.491	1.009	1192.591	71.415
194.000	0.026	30.192	0.490	1.010	1192.590	71.057
194.200	0.026	30.151	0.489	1.011	1192.589	70.699
194.400	0.026	30.110	0.488	1.012	1192.588	70.342
194.600	0.026	30.068	0.486	1.014	1192.586	69.986
194.800	0.026	30.027	0.485	1.015	1192.585	69.630

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
195.000	0.026	29.985	0.484	1.016	1192.584	69.276
195.200	0.026	29.944	0.483	1.017	1192.583	68.922
195.400	0.026	29.902	0.482	1.018	1192.582	68.570
195.600	0.026	29.861	0.481	1.019	1192.581	68.218
195.800	0.026	29.820	0.479	1.021	1192.579	67.867
196.000	0.026	29.778	0.478	1.022	1192.578	67.517
196.200	0.026	29.737	0.477	1.023	1192.577	67.168
196.400	0.026	29.695	0.476	1.024	1192.576	66.819
196.600	0.026	29.654	0.475	1.025	1192.575	66.472
196.800	0.026	29.612	0.473	1.027	1192.573	66.125
197.000	0.026	29.571	0.472	1.028	1192.572	65.780
197.200	0.026	29.530	0.471	1.029	1192.571	65.435
197.400	0.026	29.488	0.470	1.030	1192.570	65.091
197.600	0.026	29.447	0.469	1.031	1192.569	64.748
197.800	0.026	29.405	0.467	1.033	1192.567	64.406
198.000	0.026	29.364	0.466	1.034	1192.566	64.064
198.200	0.026	29.322	0.465	1.035	1192.565	63.724
198.400	0.026	29.281	0.464	1.036	1192.564	63.384
198.600	0.026	29.240	0.463	1.037	1192.563	63.046
198.800	0.026	29.198	0.461	1.039	1192.561	62.708
199.000	0.026	29.157	0.460	1.040	1192.560	62.371
199.200	0.026	29.115	0.459	1.041	1192.559	62.035
199.400	0.026	29.074	0.458	1.042	1192.558	61.700
199.600	0.026	29.032	0.457	1.043	1192.557	61.365
199.800	0.026	28.992	0.456	1.044	1192.556	61.032
200.000	0.026	28.931	0.454	1.046	1192.554	60.699
200.200	0.026	28.880	0.453	1.047	1192.553	60.367
200.400	0.026	28.829	0.452	1.048	1192.552	60.037
200.600	0.026	28.778	0.451	1.049	1192.551	59.707
200.800	0.026	28.727	0.450	1.050	1192.550	59.377
201.000	0.026	28.676	0.448	1.052	1192.548	59.049
201.200	0.026	28.625	0.447	1.053	1192.547	58.722
201.400	0.026	28.575	0.446	1.054	1192.546	58.396
201.600	0.026	28.524	0.445	1.055	1192.545	58.071
201.800	0.026	28.473	0.444	1.056	1192.544	57.746
202.000	0.026	28.422	0.442	1.058	1192.542	57.423
202.200	0.026	28.371	0.441	1.059	1192.541	57.101
202.400	0.026	28.320	0.440	1.060	1192.540	56.779
202.600	0.026	28.269	0.439	1.061	1192.539	56.459
202.800	0.026	28.218	0.438	1.062	1192.538	56.140
203.000	0.026	28.167	0.436	1.064	1192.536	55.821
203.200	0.026	28.116	0.435	1.065	1192.535	55.504
203.400	0.026	28.065	0.434	1.066	1192.534	55.167
203.600	0.026	28.008	0.433	1.067	1192.533	54.813
203.800	0.026	27.951	0.431	1.069	1192.531	54.459
204.000	0.026	27.893	0.430	1.070	1192.530	54.107
204.200	0.026	27.836	0.429	1.071	1192.529	53.756
204.400	0.026	27.779	0.427	1.073	1192.527	53.406
204.600	0.026	27.721	0.426	1.074	1192.526	53.057
204.800	0.026	27.664	0.425	1.075	1192.525	52.709
205.000	0.026	27.607	0.423	1.077	1192.523	52.363
205.200	0.026	27.549	0.422	1.078	1192.522	52.018
205.400	0.026	27.492	0.421	1.079	1192.521	51.675
205.600	0.026	27.435	0.419	1.081	1192.519	51.332
205.800	0.026	27.378	0.418	1.082	1192.518	50.991
206.000	0.026	27.320	0.417	1.083	1192.517	50.651
206.200	0.026	27.263	0.415	1.085	1192.515	50.312
206.400	0.026	27.206	0.414	1.086	1192.514	49.974
206.600	0.026	27.148	0.413	1.087	1192.513	49.638
206.800	0.026	27.091	0.411	1.089	1192.511	49.303
207.000	0.026	27.034	0.410	1.090	1192.510	48.969
207.200	0.026	26.976	0.409	1.091	1192.509	48.636
207.400	0.026	26.919	0.407	1.093	1192.507	48.305
207.600	0.026	26.862	0.406	1.094	1192.506	47.974
207.800	0.026	26.805	0.405	1.095	1192.505	47.645
208.000	0.026	26.747	0.403	1.097	1192.503	47.317
208.200	0.026	26.690	0.402	1.098	1192.502	46.991
208.400	0.026	26.633	0.401	1.099	1192.501	46.666
208.600	0.026	26.575	0.399	1.101	1192.499	46.342
208.800	0.026	26.518	0.398	1.102	1192.498	46.019
209.000	0.026	26.461	0.397	1.103	1192.497	45.697
209.200	0.026	26.403	0.395	1.105	1192.495	45.376
209.400	0.026	26.346	0.394	1.106	1192.494	45.057
209.600	0.026	26.289	0.393	1.108	1192.493	44.739
209.800	0.026	26.231	0.391	1.109	1192.491	44.422
210.000	0.026	26.174	0.390	1.110	1192.490	44.106
210.200	0.026	26.117	0.388	1.112	1192.488	43.792
210.400	0.026	26.060	0.387	1.113	1192.487	43.479
210.600	0.026	26.002	0.386	1.114	1192.486	43.166
210.800	0.026	25.945	0.384	1.116	1192.484	42.856
211.000	0.026	25.888	0.383	1.117	1192.483	42.546
211.200	0.026	25.830	0.382	1.118	1192.482	42.237
211.400	0.026	25.773	0.380	1.120	1192.480	41.930

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
211.600	0.026	25.716	0.379	1.121	1192.479	41.624
211.800	0.026	25.658	0.378	1.122	1192.478	41.319
212.000	0.026	25.601	0.376	1.124	1192.476	41.015
212.200	0.026	25.544	0.375	1.125	1192.475	40.713
212.400	0.026	25.487	0.374	1.126	1192.474	40.411
212.600	0.026	25.429	0.372	1.128	1192.472	40.111
212.800	0.026	25.372	0.371	1.129	1192.471	39.812
213.000	0.026	25.315	0.370	1.130	1192.470	39.515
213.200	0.026	25.257	0.368	1.132	1192.468	39.218
213.400	0.026	25.200	0.367	1.133	1192.467	38.923
213.600	0.026	25.143	0.366	1.134	1192.466	38.629
213.800	0.026	25.085	0.364	1.136	1192.464	38.336
214.000	0.026	25.028	0.363	1.137	1192.463	38.044
214.200	0.026	24.971	0.362	1.138	1192.462	37.753
214.400	0.026	24.913	0.360	1.140	1192.460	37.464
214.600	0.026	24.856	0.359	1.141	1192.459	37.176
214.800	0.026	24.799	0.358	1.142	1192.458	36.889
215.000	0.026	24.742	0.356	1.144	1192.456	36.603
215.200	0.026	24.684	0.355	1.145	1192.455	36.318
215.400	0.026	24.627	0.354	1.146	1192.454	36.035
215.600	0.026	24.570	0.352	1.148	1192.452	35.753
215.800	0.026	24.512	0.351	1.149	1192.451	35.472
216.000	0.026	24.455	0.350	1.150	1192.450	35.192
216.200	0.026	24.398	0.348	1.152	1192.448	34.914
216.400	0.026	24.340	0.347	1.153	1192.447	34.636
216.600	0.026	24.283	0.346	1.154	1192.446	34.360
216.800	0.026	24.226	0.344	1.156	1192.444	34.070
217.000	0.026	24.162	0.343	1.157	1192.443	33.765
217.200	0.026	24.098	0.341	1.159	1192.441	33.462
217.400	0.026	24.035	0.340	1.160	1192.440	33.161
217.600	0.026	23.971	0.338	1.162	1192.438	32.861
217.800	0.026	23.907	0.337	1.163	1192.437	32.563
218.000	0.026	23.844	0.335	1.165	1192.435	32.266
218.200	0.026	23.780	0.334	1.166	1192.434	31.970
218.400	0.026	23.716	0.332	1.168	1192.432	31.676
218.600	0.026	23.653	0.331	1.169	1192.431	31.383
218.800	0.026	23.589	0.329	1.171	1192.429	31.092
219.000	0.026	23.525	0.328	1.172	1192.428	30.802
219.200	0.026	23.462	0.326	1.174	1192.426	30.514
219.400	0.026	23.398	0.325	1.175	1192.425	30.227
219.600	0.026	23.334	0.323	1.177	1192.423	29.941
219.800	0.026	23.271	0.322	1.178	1192.422	29.657
220.000	0.026	23.207	0.320	1.180	1192.420	29.375
220.200	0.026	23.143	0.319	1.181	1192.419	29.093
220.400	0.026	23.080	0.317	1.183	1192.417	28.814
220.600	0.026	23.016	0.316	1.184	1192.416	28.535
220.800	0.026	22.952	0.314	1.186	1192.414	28.258
221.000	0.026	22.889	0.313	1.187	1192.413	27.983
221.200	0.026	22.825	0.311	1.189	1192.411	27.709
221.400	0.026	22.761	0.310	1.190	1192.410	27.436
221.600	0.026	22.698	0.308	1.192	1192.408	27.165
221.800	0.026	22.634	0.307	1.193	1192.407	26.896
222.000	0.026	22.570	0.306	1.194	1192.406	26.627
222.200	0.026	22.505	0.304	1.196	1192.404	26.360
222.400	0.026	22.441	0.303	1.197	1192.403	26.095
222.600	0.026	22.321	0.301	1.199	1192.401	25.831
222.800	0.026	22.229	0.300	1.200	1192.400	25.569
223.000	0.026	22.136	0.298	1.202	1192.398	25.308
223.200	0.026	22.044	0.297	1.203	1192.397	25.048
223.400	0.026	21.952	0.295	1.205	1192.395	24.790
223.600	0.026	21.860	0.294	1.206	1192.394	24.533
223.800	0.026	21.767	0.292	1.208	1192.392	24.277
224.000	0.026	21.675	0.291	1.209	1192.391	24.023
224.200	0.026	21.583	0.289	1.211	1192.389	23.770
224.400	0.026	21.491	0.288	1.212	1192.388	23.519
224.600	0.026	21.398	0.286	1.214	1192.386	23.269
224.800	0.026	21.306	0.285	1.215	1192.385	23.021
225.000	0.026	21.214	0.283	1.217	1192.383	22.774
225.200	0.026	21.122	0.282	1.218	1192.382	22.528
225.400	0.026	21.029	0.280	1.220	1192.380	22.284
225.600	0.026	20.937	0.279	1.221	1192.379	22.041
225.800	0.026	20.845	0.277	1.223	1192.377	21.799
226.000	0.026	20.753	0.276	1.224	1192.376	21.559
226.200	0.026	20.660	0.274	1.226	1192.374	21.321
226.400	0.026	20.568	0.273	1.227	1192.373	21.083
226.600	0.026	20.476	0.271	1.229	1192.371	20.847
226.800	0.026	20.384	0.270	1.230	1192.370	20.613
227.000	0.026	20.291	0.268	1.232	1192.368	20.380
227.200	0.026	20.199	0.267	1.233	1192.367	20.148
227.400	0.026	20.107	0.265	1.235	1192.365	19.918
227.600	0.026	20.015	0.264	1.236	1192.364	19.689
227.800	0.026	19.922	0.262	1.238	1192.362	19.461
228.000	0.026	19.826	0.261	1.239	1192.361	19.213

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
228.200	0.026	19.724	0.259	1.241	1192.359	18.966
228.400	0.026	19.623	0.257	1.243	1192.357	18.721
228.600	0.026	19.521	0.256	1.244	1192.356	18.477
228.800	0.026	19.420	0.254	1.246	1192.354	18.235
229.000	0.026	19.318	0.253	1.247	1192.353	17.995
229.200	0.026	19.217	0.251	1.249	1192.351	17.757
229.400	0.026	19.115	0.249	1.251	1192.349	17.520
229.600	0.026	19.014	0.248	1.252	1192.348	17.285
229.800	0.026	18.912	0.246	1.254	1192.346	17.051
230.000	0.026	18.811	0.244	1.256	1192.344	16.819
230.200	0.026	18.709	0.243	1.257	1192.343	16.589
230.400	0.026	18.608	0.241	1.259	1192.341	16.361
230.600	0.026	18.506	0.239	1.261	1192.339	16.134
230.800	0.026	18.405	0.238	1.262	1192.338	15.908
231.000	0.026	18.303	0.236	1.264	1192.336	15.685
231.200	0.026	18.202	0.235	1.265	1192.335	15.463
231.400	0.026	18.100	0.233	1.267	1192.333	15.242
231.600	0.026	17.999	0.231	1.269	1192.331	15.024
231.800	0.026	17.898	0.230	1.270	1192.330	14.807
232.000	0.026	17.796	0.228	1.272	1192.328	14.591
232.200	0.026	17.695	0.226	1.274	1192.326	14.378
232.400	0.026	17.593	0.225	1.275	1192.325	14.166
232.600	0.026	17.492	0.223	1.277	1192.323	13.955
232.800	0.026	17.390	0.221	1.279	1192.321	13.746
233.000	0.026	17.289	0.220	1.280	1192.320	13.539
233.200	0.026	17.187	0.218	1.282	1192.318	13.334
233.400	0.026	17.086	0.217	1.283	1192.317	13.130
233.600	0.026	16.984	0.215	1.285	1192.315	12.928
233.800	0.026	16.883	0.213	1.287	1192.313	12.727
234.000	0.026	16.781	0.212	1.288	1192.312	12.528
234.200	0.026	16.680	0.210	1.290	1192.310	12.331
234.400	0.026	16.578	0.208	1.292	1192.308	12.135
234.600	0.026	16.477	0.207	1.293	1192.307	11.941
234.800	0.026	16.375	0.205	1.295	1192.305	11.749
235.000	0.026	16.274	0.203	1.297	1192.303	11.558
235.200	0.026	16.173	0.202	1.298	1192.302	11.369
235.400	0.026	16.071	0.200	1.300	1192.300	11.182
235.600	0.026	15.970	0.199	1.302	1192.299	10.996
235.800	0.026	15.868	0.197	1.303	1192.297	10.812
236.000	0.026	15.767	0.195	1.305	1192.295	10.629
236.200	0.026	15.665	0.194	1.306	1192.294	10.448
236.400	0.026	15.564	0.192	1.308	1192.292	10.269
236.600	0.026	15.462	0.190	1.310	1192.290	10.091
236.800	0.026	15.361	0.189	1.311	1192.289	9.915
237.000	0.026	15.255	0.187	1.313	1192.287	9.724
237.200	0.026	15.144	0.185	1.315	1192.285	9.536
237.400	0.026	15.033	0.183	1.317	1192.283	9.349
237.600	0.026	14.923	0.182	1.318	1192.282	9.165
237.800	0.026	14.812	0.180	1.320	1192.280	8.982
238.000	0.026	14.701	0.178	1.322	1192.278	8.801
238.200	0.026	14.590	0.176	1.324	1192.276	8.622
238.400	0.026	14.480	0.174	1.326	1192.274	8.445
238.600	0.026	14.369	0.173	1.327	1192.273	8.270
238.800	0.026	14.258	0.171	1.329	1192.271	8.096
239.000	0.026	14.148	0.169	1.331	1192.269	7.925
239.200	0.026	14.037	0.167	1.333	1192.267	7.756
239.400	0.026	13.926	0.165	1.335	1192.265	7.588
239.600	0.026	13.816	0.164	1.336	1192.264	7.422
239.800	0.026	13.705	0.162	1.338	1192.262	7.259
240.000	0.026	13.594	0.160	1.340	1192.260	7.097
240.200	0.026	13.484	0.158	1.342	1192.258	6.937
240.400	0.026	13.373	0.157	1.343	1192.257	6.779
240.600	0.026	13.262	0.155	1.345	1192.255	6.622
240.800	0.026	13.151	0.153	1.347	1192.253	6.468
241.000	0.026	13.032	0.151	1.349	1192.251	6.316
241.200	0.026	12.879	0.149	1.351	1192.249	6.165
241.400	0.026	12.726	0.148	1.352	1192.248	6.017
241.600	0.026	12.573	0.146	1.354	1192.246	5.870
241.800	0.026	12.420	0.144	1.356	1192.244	5.725
242.000	0.026	12.266	0.142	1.358	1192.242	5.582
242.200	0.026	12.113	0.140	1.360	1192.240	5.441
242.400	0.026	11.960	0.139	1.361	1192.239	5.301
242.600	0.026	11.807	0.137	1.363	1192.237	5.164
242.800	0.026	11.654	0.135	1.365	1192.235	5.028
243.000	0.026	11.501	0.133	1.367	1192.233	4.894
243.200	0.026	11.348	0.132	1.368	1192.232	4.762
243.400	0.026	11.195	0.130	1.370	1192.230	4.632
243.600	0.026	11.042	0.128	1.372	1192.228	4.504
243.800	0.026	10.889	0.126	1.374	1192.226	4.377
244.000	0.026	10.736	0.124	1.376	1192.224	4.253
244.200	0.026	10.582	0.123	1.377	1192.223	4.130
244.400	0.026	10.429	0.121	1.379	1192.221	4.009
244.600	0.026	10.276	0.119	1.381	1192.219	3.890

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
244.800	0.026	10.123	0.117	1.383	1192.217	3.773
245.000	0.026	9.970	0.115	1.385	1192.215	3.657
245.200	0.026	9.817	0.114	1.386	1192.214	3.544
245.400	0.026	9.664	0.112	1.388	1192.212	3.432
245.600	0.026	9.511	0.110	1.390	1192.210	3.322
245.800	0.026	9.358	0.108	1.392	1192.208	3.214
246.000	0.026	9.205	0.107	1.393	1192.207	3.108
246.200	0.026	9.052	0.105	1.395	1192.205	3.004
246.400	0.026	8.898	0.103	1.397	1192.203	2.901
246.600	0.026	8.745	0.101	1.399	1192.201	2.801
246.800	0.026	8.592	0.099	1.401	1192.199	2.702
247.000	0.026	8.439	0.098	1.402	1192.198	2.605
247.200	0.026	8.286	0.096	1.404	1192.196	2.510
247.400	0.026	8.133	0.094	1.406	1192.194	2.416
247.600	0.026	7.980	0.092	1.408	1192.192	2.325
247.800	0.026	7.827	0.090	1.410	1192.190	2.235
248.000	0.026	7.667	0.089	1.411	1192.189	2.139
248.200	0.026	7.501	0.087	1.413	1192.187	2.046
248.400	0.026	7.336	0.085	1.415	1192.185	1.955
248.600	0.026	7.170	0.083	1.417	1192.183	1.866
248.800	0.026	7.004	0.081	1.419	1192.181	1.779
249.000	0.026	6.838	0.079	1.421	1192.179	1.694
249.200	0.026	6.672	0.077	1.423	1192.177	1.612
249.400	0.026	6.506	0.075	1.425	1192.175	1.531
249.600	0.026	6.341	0.073	1.427	1192.173	1.452
249.800	0.026	6.175	0.071	1.429	1192.171	1.376
250.000	0.026	6.009	0.069	1.431	1192.169	1.302
250.200	0.026	5.843	0.067	1.433	1192.167	1.229
250.400	0.026	5.677	0.065	1.435	1192.165	1.159
250.600	0.026	5.511	0.063	1.437	1192.163	1.091
250.800	0.026	5.345	0.061	1.439	1192.161	1.025
251.000	0.026	5.180	0.059	1.441	1192.159	0.961
251.200	0.026	5.014	0.058	1.442	1192.158	0.900
251.400	0.026	4.848	0.056	1.444	1192.156	0.840
251.600	0.026	4.682	0.054	1.446	1192.154	0.782
251.800	0.026	4.516	0.052	1.448	1192.152	0.727
252.000	0.026	4.350	0.050	1.450	1192.150	0.674
252.200	0.026	4.184	0.048	1.452	1192.148	0.622
252.400	0.026	4.019	0.046	1.454	1192.146	0.575
252.600	0.026	3.866	0.044	1.456	1192.144	0.531
252.800	0.026	3.712	0.042	1.458	1192.142	0.489
253.000	0.026	3.559	0.041	1.459	1192.141	0.449
253.200	0.026	3.406	0.039	1.461	1192.139	0.410
253.400	0.026	3.253	0.037	1.463	1192.137	0.373
253.600	0.026	3.100	0.035	1.465	1192.135	0.338
253.800	0.026	2.947	0.034	1.466	1192.134	0.305
254.000	0.026	2.794	0.032	1.468	1192.132	0.273
254.200	0.026	2.647	0.030	1.470	1192.130	0.246
254.400	0.026	2.507	0.028	1.472	1192.128	0.220
254.600	0.026	2.367	0.027	1.473	1192.127	0.195
254.800	0.026	2.226	0.025	1.475	1192.125	0.172
255.000	0.026	2.086	0.024	1.476	1192.124	0.151
255.200	0.026	1.946	0.022	1.478	1192.122	0.131
255.400	0.026	1.818	0.021	1.480	1192.121	0.114
255.600	0.026	1.690	0.019	1.481	1192.119	0.098
255.800	0.026	1.563	0.018	1.482	1192.118	0.083
256.000	0.026	1.442	0.016	1.484	1192.116	0.071
256.200	0.026	1.327	0.015	1.485	1192.115	0.060
256.400	0.026	1.212	0.014	1.487	1192.114	0.050
256.600	0.026	1.104	0.012	1.488	1192.112	0.041
256.800	0.026	1.001	0.011	1.489	1192.111	0.034
257.000	0.026	0.899	0.010	1.490	1192.110	0.027
257.200	0.026	0.804	0.009	1.491	1192.109	0.021
257.400	0.026	0.714	0.008	1.492	1192.108	0.017
257.600	0.026	0.632	0.007	1.493	1192.107	0.013
257.800	0.026	0.555	0.006	1.494	1192.106	0.010
258.000	0.026	0.485	0.005	1.495	1192.105	0.008
258.200	0.026	0.421	0.005	1.495	1192.105	0.006
258.400	0.026	0.364	0.004	1.496	1192.104	0.004
258.600	0.026	0.313	0.003	1.497	1192.103	0.003
258.800	0.026	0.268	0.003	1.497	1192.103	0.002
259.000	0.026	0.230	0.002	1.498	1192.102	0.002
259.200	0.026	0.191	0.002	1.498	1192.102	0.001
259.400	0.026	0.166	0.002	1.498	1192.102	0.001
259.600	0.026	0.140	0.002	1.498	1192.102	0.001
259.800	0.026	0.115	0.001	1.499	1192.101	0.000
260.000	0.026	0.102	0.001	1.499	1192.101	0.000
260.200	0.026	0.089	0.001	1.499	1192.101	0.000
260.400	0.026	0.077	0.001	1.499	1192.101	0.000
260.600	0.026	0.064	0.001	1.499	1192.101	0.000
260.800	0.026	0.051	0.001	1.499	1192.101	0.000
261.000	0.026	0.051	0.001	1.499	1192.101	0.000
261.200	0.026	0.051	0.001	1.499	1192.101	0.000





ARQUITETURA + URBANISMO
 CLN nº 01, B L 8 SL 200 - CEP 70.743-900
 BRASÍLIA - DF - FONE: 01 3214 3700

CANAL: PO-08C

DATA: 18.12.2019

IMPULSO DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)	1191.100		
VAZÃO DE ENTRADA MAX. (l/s)	15.00	211.478	COTA DE FUNDO JUSANTE (m)	1189.600		
VAZÃO DE SAÍDA MAX. (l/s)	23.20	119.978	COTA VERTEDOIRO (m)	1190.600		
PROFUNDIDADE MAX. (m)	23.20	0.508	COTA DO ORIFÍCIO (m)	1189.600		
FREEBOARD MIN. (m)	23.20	0.992	VERTEDOIRO DE CONTROLE (cm)	15.00		
NA MAX. (m)	23.20	1,190.108	VERTEDOIRO DE DESCARGA (cm)	400.00		
VOLUME MAX (m ³)	23.20	80.70	DRENO DE FUNDO 3X Ø (mm)	150.00		
VOLUME TOTAL (m ³)		498.76	COEF. DE DESCARGA DO VERTEDOIRO	1.660		
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO	0.130		
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
0.000	0.000	19.898	0.000	1.500	1189.600	0.001
0.200	2.464	19.898	0.000	1.500	1189.600	0.001
0.400	5.354	19.898	0.000	1.500	1189.600	0.001
0.600	8.418	19.898	0.000	1.500	1189.600	0.001
0.800	11.519	19.898	0.000	1.500	1189.600	0.001
1.000	14.627	19.898	0.000	1.500	1189.600	0.001
1.200	17.741	19.898	0.000	1.500	1189.600	0.001
1.400	20.855	19.898	0.000	1.500	1189.600	0.002
1.600	23.969	19.960	0.001	1.499	1189.601	0.034
1.800	27.064	20.198	0.004	1.496	1189.604	0.101
2.000	30.153	20.595	0.008	1.492	1189.608	0.201
2.200	33.229	21.142	0.013	1.487	1189.613	0.332
2.400	36.299	21.831	0.020	1.480	1189.620	0.492
2.600	39.362	22.652	0.027	1.473	1189.627	0.678
2.800	42.425	23.596	0.036	1.464	1189.636	0.890
3.000	45.488	24.664	0.045	1.455	1189.645	1.126
3.200	48.538	25.838	0.055	1.445	1189.655	1.394
3.400	51.589	27.038	0.065	1.435	1189.665	1.690
3.600	54.639	28.106	0.073	1.427	1189.673	2.006
3.800	57.690	29.086	0.081	1.419	1189.681	2.346
4.000	60.740	30.012	0.089	1.411	1189.689	2.710
4.200	63.615	30.921	0.097	1.403	1189.697	3.101
4.400	66.473	31.795	0.104	1.396	1189.704	3.513
4.600	69.330	32.651	0.111	1.389	1189.711	3.949
4.800	72.187	33.490	0.118	1.382	1189.718	4.406
5.000	75.045	34.319	0.125	1.375	1189.725	4.888
5.200	77.902	35.131	0.132	1.368	1189.732	5.393
5.400	80.760	35.943	0.139	1.361	1189.739	5.927
5.600	83.617	36.755	0.146	1.355	1189.746	6.484
5.800	86.470	37.550	0.152	1.348	1189.752	7.062
6.000	89.318	38.587	0.159	1.341	1189.759	7.669
6.200	92.167	39.886	0.165	1.335	1189.765	8.289
6.400	95.015	41.172	0.172	1.328	1189.772	8.930
6.600	97.863	42.427	0.178	1.322	1189.778	9.588
6.800	100.711	43.683	0.185	1.315	1189.785	10.273
7.000	103.560	44.925	0.191	1.309	1189.791	10.967
7.200	106.408	46.151	0.197	1.303	1189.797	11.686
7.400	109.256	47.378	0.203	1.297	1189.803	12.430
7.600	112.104	48.590	0.210	1.290	1189.810	13.181
7.800	114.953	49.787	0.216	1.284	1189.816	13.956
8.000	117.792	50.985	0.222	1.278	1189.822	14.755
8.200	120.552	52.182	0.228	1.272	1189.828	15.568
8.400	123.251	53.351	0.234	1.266	1189.834	16.395
8.600	125.950	54.519	0.240	1.260	1189.840	17.244
8.800	128.649	55.687	0.246	1.254	1189.846	18.117
9.000	131.348	56.855	0.252	1.248	1189.852	19.013
9.200	134.047	58.009	0.257	1.243	1189.857	19.909
9.400	136.746	59.148	0.263	1.237	1189.863	20.828
9.600	139.445	60.287	0.269	1.231	1189.869	21.770
9.800	142.144	61.426	0.275	1.225	1189.875	22.734
10.000	144.843	62.565	0.281	1.219	1189.881	23.720
10.200	147.542	63.704	0.286	1.214	1189.886	24.730
10.400	150.241	64.843	0.292	1.208	1189.892	25.748
10.600	152.937	65.953	0.298	1.202	1189.898	26.775
10.800	155.629	67.063	0.303	1.197	1189.903	27.823
11.000	158.322	68.248	0.309	1.191	1189.909	28.894
11.200	161.014	69.643	0.315	1.185	1189.915	29.987
11.400	163.707	71.038	0.320	1.180	1189.920	31.101
11.600	166.400	72.433	0.326	1.174	1189.926	32.223
11.800	169.092	73.791	0.332	1.168	1189.932	33.351
12.000	171.785	75.149	0.337	1.163	1189.937	34.500
12.200	174.477	76.507	0.343	1.157	1189.943	35.670
12.400	177.143	77.866	0.348	1.152	1189.948	36.861
12.600	179.778	79.224	0.354	1.146	1189.954	38.073
12.800	182.414	80.582	0.359	1.141	1189.959	39.290
13.000	185.050	81.904	0.364	1.136	1189.964	40.510
13.200	187.685	83.225	0.370	1.130	1189.970	41.751

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	190.321	84.547	0.375	1.125	1189.975	43.012
13.600	192.956	85.868	0.380	1.120	1189.980	44.294
13.800	195.595	87.190	0.386	1.114	1189.986	45.596
14.000	198.235	88.511	0.391	1.109	1189.991	46.918
14.200	200.879	89.833	0.397	1.104	1189.997	48.261
14.400	203.525	91.136	0.402	1.098	1190.002	49.586
14.600	206.173	92.421	0.407	1.093	1190.007	50.930
14.800	208.824	93.706	0.412	1.088	1190.012	52.295
15.000	211.478	94.991	0.417	1.083	1190.017	53.679
15.200	209.361	96.275	0.422	1.078	1190.022	55.063
15.400	207.238	97.505	0.427	1.073	1190.027	56.404
15.600	205.110	98.698	0.432	1.068	1190.032	57.701
15.800	202.976	99.836	0.437	1.063	1190.037	58.972
16.000	200.841	100.919	0.441	1.059	1190.041	60.194
16.200	198.700	101.965	0.445	1.055	1190.045	61.366
16.400	196.553	102.956	0.449	1.051	1190.049	62.507
16.600	194.385	103.911	0.453	1.047	1190.053	63.615
16.800	192.200	104.829	0.456	1.044	1190.056	64.688
17.000	190.010	105.749	0.460	1.040	1190.060	65.726
17.200	187.818	106.733	0.463	1.037	1190.063	66.727
17.400	185.621	107.675	0.466	1.034	1190.066	67.691
17.600	183.423	108.574	0.470	1.031	1190.070	68.616
17.800	181.219	109.429	0.472	1.028	1190.072	69.502
18.000	179.011	110.243	0.475	1.025	1190.075	70.347
18.200	176.801	111.013	0.478	1.022	1190.078	71.151
18.400	174.589	111.740	0.480	1.020	1190.080	71.914
18.600	172.372	112.425	0.483	1.017	1190.083	72.657
18.800	170.151	113.088	0.485	1.015	1190.085	73.357
19.000	167.928	113.709	0.487	1.013	1190.087	74.013
19.200	165.702	114.308	0.489	1.011	1190.089	74.649
19.400	163.472	114.864	0.491	1.009	1190.091	75.240
19.600	161.237	115.378	0.493	1.007	1190.093	75.809
19.800	159.000	115.870	0.494	1.006	1190.094	76.333
20.000	156.761	116.341	0.496	1.004	1190.096	76.834
20.200	154.517	116.769	0.497	1.003	1190.097	77.314
20.400	152.271	117.175	0.499	1.001	1190.099	77.746
20.600	150.023	117.560	0.500	1.000	1190.100	78.156
20.800	147.771	117.903	0.501	0.999	1190.101	78.542
21.000	145.516	118.224	0.502	0.998	1190.102	78.880
21.200	143.256	118.523	0.503	0.997	1190.103	79.194
21.400	140.995	118.780	0.504	0.996	1190.104	79.485
21.600	138.729	119.015	0.505	0.995	1190.105	79.727
21.800	136.461	119.229	0.505	0.995	1190.105	79.944
22.000	134.190	119.400	0.506	0.994	1190.106	80.138
22.200	131.915	119.572	0.506	0.994	1190.106	80.308
22.400	129.637	119.700	0.507	0.993	1190.107	80.453
22.600	127.346	119.807	0.507	0.993	1190.107	80.550
22.800	125.051	119.893	0.507	0.993	1190.107	80.623
23.000	122.754	119.935	0.508	0.992	1190.108	80.671
23.200	120.455	119.978	0.508	0.992	1190.108	80.695
23.400	118.154	119.978	0.508	0.992	1190.108	80.695
23.600	115.851	119.957	0.508	0.992	1190.108	80.647
23.800	113.544	119.914	0.507	0.993	1190.107	80.598
24.000	111.235	119.850	0.507	0.993	1190.107	80.501
24.200	108.925	119.764	0.507	0.993	1190.107	80.380
24.400	106.610	119.636	0.506	0.994	1190.106	80.235
24.600	104.293	119.507	0.506	0.994	1190.106	80.065
24.800	101.974	119.336	0.505	0.995	1190.105	79.872
25.000	99.651	119.165	0.504	0.996	1190.104	79.654
25.200	97.328	118.951	0.504	0.996	1190.104	79.412
25.400	95.001	118.737	0.503	0.997	1190.103	79.146
25.600	92.672	118.480	0.502	0.998	1190.102	78.856
25.800	90.341	118.202	0.501	0.999	1190.101	78.518
26.000	88.006	117.903	0.500	1.000	1190.100	78.180
26.200	85.669	117.582	0.499	1.001	1190.099	77.794
26.400	83.330	117.239	0.498	1.002	1190.098	77.410
26.600	80.989	116.876	0.496	1.004	1190.096	76.978
26.800	78.646	116.490	0.495	1.005	1190.095	76.548
27.000	76.300	116.084	0.493	1.007	1190.093	76.071
27.200	73.951	115.656	0.492	1.008	1190.092	75.595
27.400	71.600	115.207	0.490	1.010	1190.090	75.074
27.600	69.247	114.736	0.489	1.011	1190.089	74.555
27.800	66.892	114.244	0.487	1.013	1190.087	73.990
28.000	64.533	113.730	0.485	1.015	1190.085	73.427
28.200	62.172	113.195	0.483	1.017	1190.083	72.820
28.400	59.809	112.639	0.481	1.019	1190.081	72.215
28.600	57.444	112.061	0.479	1.021	1190.079	71.567
28.800	55.077	111.462	0.477	1.023	1190.077	70.898
29.000	52.706	110.820	0.475	1.025	1190.075	70.210
29.200	50.333	110.178	0.472	1.028	1190.072	69.502
29.400	47.958	109.494	0.470	1.030	1190.070	68.775
29.600	45.581	108.809	0.468	1.032	1190.068	68.029
29.800	43.202	108.081	0.465	1.035	1190.065	67.264

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	40.819	107.354	0.462	1.038	1190.062	66.482
30.200	40.823	106.584	0.460	1.040	1190.060	65.682
30.400	40.827	105.813	0.457	1.043	1190.057	64.886
30.600	40.831	105.104	0.454	1.046	1190.054	64.095
30.800	40.835	104.443	0.452	1.048	1190.052	63.331
31.000	40.839	103.819	0.449	1.051	1190.049	62.593
31.200	40.843	103.195	0.447	1.053	1190.047	61.860
31.400	40.847	102.571	0.444	1.056	1190.044	61.131
31.600	40.851	101.947	0.442	1.058	1190.042	60.406
31.800	40.855	101.323	0.439	1.061	1190.039	59.687
32.000	40.859	100.699	0.437	1.063	1190.037	58.972
32.200	40.863	100.075	0.434	1.066	1190.034	58.262
32.400	40.867	99.451	0.432	1.068	1190.032	57.556
32.600	40.871	98.827	0.429	1.071	1190.029	56.855
32.800	40.873	98.203	0.426	1.074	1190.026	56.159
33.000	40.873	97.579	0.424	1.076	1190.024	55.467
33.200	40.873	96.955	0.421	1.079	1190.021	54.780
33.400	40.873	96.330	0.419	1.081	1190.019	54.098
33.600	40.873	95.706	0.416	1.084	1190.016	53.420
33.800	40.873	95.101	0.414	1.086	1190.014	52.787
34.000	40.873	94.513	0.412	1.088	1190.012	52.157
34.200	40.873	93.926	0.409	1.091	1190.009	51.532
34.400	40.873	93.339	0.407	1.093	1190.007	50.911
34.600	40.873	92.751	0.404	1.096	1190.004	50.294
34.800	40.873	92.164	0.402	1.098	1190.002	49.681
35.000	40.873	91.577	0.400	1.100	1190.000	49.072
35.200	40.873	90.989	0.397	1.103	1189.997	48.468
35.400	40.873	90.402	0.395	1.105	1189.995	47.867
35.600	40.873	89.815	0.393	1.107	1189.993	47.270
35.800	40.873	89.227	0.390	1.110	1189.990	46.678
36.000	40.873	88.640	0.388	1.112	1189.988	46.089
36.200	40.873	88.053	0.385	1.115	1189.985	45.523
36.400	40.873	87.502	0.383	1.117	1189.983	44.978
36.600	40.873	86.951	0.381	1.119	1189.981	44.437
36.800	40.873	86.401	0.379	1.121	1189.979	43.900
37.000	40.873	85.850	0.377	1.123	1189.977	43.366
37.200	40.873	85.299	0.374	1.126	1189.974	42.836
37.400	40.873	84.749	0.372	1.128	1189.972	42.309
37.600	40.873	84.198	0.370	1.130	1189.970	41.786
37.800	40.873	83.647	0.368	1.132	1189.968	41.266
38.000	40.873	83.097	0.365	1.135	1189.965	40.750
38.200	40.873	82.546	0.363	1.137	1189.963	40.237
38.400	40.873	81.995	0.361	1.139	1189.961	39.728
38.600	40.873	81.463	0.359	1.141	1189.959	39.256
38.800	40.873	80.949	0.357	1.143	1189.957	38.787
39.000	40.873	80.435	0.355	1.145	1189.955	38.321
39.200	40.873	79.921	0.353	1.147	1189.953	37.858
39.400	40.873	79.407	0.351	1.149	1189.951	37.399
39.600	40.873	78.894	0.348	1.152	1189.948	36.942
39.800	40.873	78.380	0.346	1.154	1189.946	36.489
40.000	40.873	77.866	0.344	1.156	1189.944	36.038
40.200	40.873	77.352	0.342	1.158	1189.942	35.590
40.400	40.873	76.838	0.340	1.160	1189.940	35.146
40.600	40.873	76.324	0.338	1.162	1189.938	34.720
40.800	40.873	75.847	0.336	1.164	1189.936	34.312
41.000	40.873	75.369	0.334	1.166	1189.934	33.907
41.200	40.873	74.892	0.332	1.168	1189.932	33.505
41.400	40.873	74.415	0.330	1.170	1189.930	33.105
41.600	40.873	73.938	0.328	1.172	1189.928	32.708
41.800	40.873	73.461	0.326	1.174	1189.926	32.314
42.000	40.873	72.983	0.325	1.175	1189.925	31.922
42.200	40.873	72.506	0.323	1.177	1189.923	31.533
42.400	40.873	72.029	0.321	1.179	1189.921	31.146
42.600	40.873	71.552	0.319	1.181	1189.919	30.776
42.800	40.873	71.111	0.317	1.183	1189.917	30.424
43.000	40.873	70.671	0.315	1.185	1189.915	30.074
43.200	40.873	70.230	0.313	1.187	1189.913	29.726
43.400	40.873	69.790	0.312	1.188	1189.912	29.380
43.600	40.873	69.349	0.310	1.190	1189.910	29.036
43.800	40.873	68.909	0.308	1.192	1189.908	28.695
44.000	40.873	68.468	0.306	1.194	1189.906	28.356
44.200	40.873	68.028	0.305	1.195	1189.905	28.019
44.400	40.873	67.647	0.303	1.197	1189.903	27.684
44.600	40.873	67.311	0.301	1.199	1189.901	27.379
44.800	40.873	66.990	0.299	1.201	1189.899	27.076
45.000	40.873	66.669	0.298	1.202	1189.898	26.775
45.200	40.873	66.347	0.296	1.204	1189.896	26.476
45.400	40.873	66.026	0.295	1.205	1189.895	26.178
45.600	40.873	65.705	0.293	1.207	1189.893	25.882
45.800	40.873	65.384	0.291	1.209	1189.891	25.588
46.000	40.873	65.062	0.290	1.210	1189.890	25.296
46.200	40.873	64.741	0.288	1.212	1189.888	25.005
46.400	40.873	64.420	0.286	1.214	1189.886	24.717

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
46.600	40.873	64.099	0.285	1.215	1189.885	24.430
46.800	40.873	63.777	0.283	1.217	1189.883	24.145
47.000	40.873	63.456	0.281	1.219	1189.881	23.861
47.200	40.873	63.149	0.280	1.220	1189.880	23.605
47.400	40.873	62.857	0.278	1.222	1189.878	23.351
47.600	40.873	62.565	0.277	1.223	1189.877	23.098
47.800	40.873	62.273	0.276	1.225	1189.876	22.846
48.000	40.873	61.981	0.274	1.226	1189.874	22.596
48.200	40.873	61.689	0.273	1.227	1189.873	22.348
48.400	40.873	61.397	0.271	1.229	1189.871	22.101
48.600	40.873	61.105	0.270	1.230	1189.870	21.855
48.800	40.873	60.813	0.268	1.232	1189.868	21.611
49.000	40.873	60.521	0.267	1.233	1189.867	21.369
49.200	40.873	60.229	0.265	1.235	1189.865	21.128
49.400	40.873	59.937	0.264	1.236	1189.864	20.888
49.600	40.873	59.645	0.262	1.238	1189.862	20.662
49.800	40.873	59.382	0.261	1.239	1189.861	20.449
50.000	40.873	59.119	0.260	1.241	1189.860	20.237
50.200	40.873	58.856	0.258	1.242	1189.858	20.026
50.400	40.873	58.593	0.257	1.243	1189.857	19.816
50.600	40.873	58.330	0.255	1.245	1189.855	19.608
50.800	40.873	58.067	0.254	1.246	1189.854	19.401
51.000	40.873	57.805	0.253	1.247	1189.853	19.195
51.200	40.873	57.542	0.251	1.249	1189.851	18.990
51.400	40.873	57.279	0.250	1.250	1189.850	18.787
51.600	40.873	57.016	0.249	1.251	1189.849	18.585
51.800	40.873	56.753	0.247	1.253	1189.847	18.383
52.000	40.873	56.505	0.246	1.254	1189.846	18.206
52.200	40.873	56.271	0.245	1.255	1189.845	18.029
52.400	40.873	56.038	0.244	1.256	1189.844	17.853
52.600	40.873	55.804	0.243	1.257	1189.843	17.678
52.800	40.873	55.570	0.241	1.259	1189.841	17.504
53.000	40.873	55.337	0.240	1.260	1189.840	17.331
53.200	40.873	55.103	0.239	1.261	1189.839	17.158
53.400	40.873	54.869	0.238	1.262	1189.838	16.987
53.600	40.873	54.636	0.237	1.263	1189.837	16.817
53.800	40.873	54.402	0.236	1.264	1189.836	16.647
54.000	40.873	54.168	0.234	1.266	1189.834	16.479
54.200	40.873	53.935	0.233	1.267	1189.833	16.321
54.400	40.873	53.730	0.232	1.268	1189.832	16.175
54.600	40.873	53.526	0.231	1.269	1189.831	16.030
54.800	40.873	53.321	0.230	1.270	1189.830	15.886
55.000	40.873	53.117	0.229	1.271	1189.829	15.742
55.200	40.873	52.912	0.228	1.272	1189.828	15.599
55.400	40.873	52.708	0.227	1.273	1189.827	15.456
55.600	40.873	52.504	0.226	1.274	1189.826	15.315
55.800	40.873	52.299	0.225	1.275	1189.825	15.174
56.000	40.873	52.095	0.224	1.276	1189.824	15.033
56.200	40.873	51.890	0.223	1.277	1189.823	14.894
56.400	40.873	51.686	0.222	1.278	1189.822	14.755
56.600	40.873	51.496	0.221	1.279	1189.821	14.636
56.800	40.873	51.321	0.220	1.280	1189.820	14.518
57.000	40.873	51.146	0.219	1.281	1189.819	14.401
57.200	40.873	50.970	0.218	1.282	1189.818	14.284
57.400	40.873	50.795	0.217	1.283	1189.817	14.168
57.600	40.873	50.620	0.216	1.284	1189.816	14.052
57.800	40.873	50.445	0.216	1.284	1189.816	13.936
58.000	40.873	50.269	0.215	1.285	1189.815	13.822
58.200	40.873	50.094	0.214	1.286	1189.814	13.707
58.400	40.873	49.919	0.213	1.287	1189.813	13.593
58.600	40.873	49.744	0.212	1.288	1189.812	13.480
58.800	40.873	49.568	0.211	1.289	1189.811	13.367
59.000	40.873	49.393	0.210	1.290	1189.810	13.265
59.200	40.873	49.247	0.210	1.291	1189.810	13.171
59.400	40.873	49.101	0.209	1.291	1189.809	13.079
59.600	40.873	48.955	0.208	1.292	1189.808	12.986
59.800	40.873	48.809	0.207	1.293	1189.807	12.894
60.000	40.873	48.663	0.207	1.293	1189.807	12.802
60.200	40.873	48.517	0.206	1.294	1189.806	12.711
60.400	40.873	48.371	0.205	1.295	1189.805	12.620
60.600	40.873	48.225	0.204	1.296	1189.804	12.529
60.800	40.873	48.079	0.204	1.296	1189.804	12.439
61.000	40.873	47.933	0.203	1.297	1189.803	12.349
61.200	40.871	47.787	0.202	1.298	1189.802	12.260
61.400	40.867	47.641	0.201	1.299	1189.801	12.170
61.600	40.863	47.495	0.201	1.299	1189.801	12.091
61.800	40.859	47.378	0.200	1.300	1189.800	12.020
62.000	40.855	47.261	0.199	1.301	1189.799	11.949
62.200	40.851	47.144	0.199	1.301	1189.799	11.879
62.400	40.847	47.027	0.198	1.302	1189.798	11.809
62.600	40.843	46.911	0.198	1.302	1189.798	11.739
62.800	40.839	46.794	0.197	1.303	1189.797	11.669
63.000	40.835	46.677	0.196	1.304	1189.796	11.599

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
63.200	40.831	46.560	0.196	1.304	1189.796	11.530
63.400	40.827	46.443	0.195	1.305	1189.795	11.461
63.600	40.823	46.326	0.195	1.305	1189.795	11.392
63.800	40.819	46.210	0.194	1.306	1189.794	11.324
64.000	40.815	46.093	0.194	1.307	1189.794	11.255
64.200	40.811	45.976	0.193	1.307	1189.793	11.187
64.400	40.807	45.859	0.192	1.308	1189.792	11.119
64.600	40.803	45.742	0.192	1.308	1189.792	11.052
64.800	40.799	45.640	0.191	1.309	1189.791	11.001
65.000	40.795	45.552	0.191	1.309	1189.791	10.951
65.200	40.791	45.465	0.190	1.310	1189.790	10.900
65.400	40.787	45.377	0.190	1.310	1189.790	10.850
65.600	40.783	45.290	0.189	1.311	1189.789	10.800
65.800	40.779	45.202	0.189	1.311	1189.789	10.750
66.000	40.775	45.114	0.189	1.311	1189.789	10.700
66.200	40.771	45.027	0.188	1.312	1189.788	10.650
66.400	40.767	44.939	0.188	1.312	1189.788	10.601
66.600	40.763	44.852	0.187	1.313	1189.787	10.551
66.800	40.759	44.764	0.187	1.313	1189.787	10.502
67.000	40.755	44.676	0.186	1.314	1189.786	10.453
67.200	40.751	44.589	0.186	1.314	1189.786	10.404
67.400	40.747	44.501	0.185	1.315	1189.785	10.355
67.600	40.743	44.413	0.185	1.315	1189.785	10.306
67.800	40.739	44.326	0.185	1.315	1189.785	10.257
68.000	40.735	44.238	0.184	1.316	1189.784	10.209
68.200	40.731	44.151	0.184	1.316	1189.784	10.160
68.400	40.727	44.063	0.183	1.317	1189.783	10.120
68.600	40.723	44.005	0.183	1.317	1189.783	10.088
68.800	40.719	43.946	0.183	1.317	1189.783	10.056
69.000	40.715	43.888	0.182	1.318	1189.782	10.024
69.200	40.711	43.829	0.182	1.318	1189.782	9.992
69.400	40.707	43.771	0.182	1.318	1189.782	9.960
69.600	40.703	43.712	0.182	1.318	1189.782	9.928
69.800	40.698	43.654	0.181	1.319	1189.781	9.896
70.000	40.694	43.596	0.181	1.319	1189.781	9.864
70.200	40.690	43.537	0.181	1.319	1189.781	9.832
70.400	40.686	43.479	0.180	1.320	1189.780	9.801
70.600	40.682	43.420	0.180	1.320	1189.780	9.769
70.800	40.678	43.362	0.180	1.320	1189.780	9.738
71.000	40.674	43.304	0.179	1.321	1189.779	9.706
71.200	40.670	43.245	0.179	1.321	1189.779	9.675
71.400	40.666	43.187	0.179	1.321	1189.779	9.643
71.600	40.662	43.128	0.179	1.321	1189.779	9.612
71.800	40.658	43.070	0.178	1.322	1189.778	9.581
72.000	40.654	43.012	0.178	1.322	1189.778	9.549
72.200	40.650	42.953	0.178	1.322	1189.778	9.518
72.400	40.646	42.895	0.177	1.323	1189.777	9.487
72.600	40.642	42.836	0.177	1.323	1189.777	9.456
72.800	40.638	42.778	0.177	1.323	1189.777	9.425
73.000	40.634	42.719	0.176	1.324	1189.776	9.394
73.200	40.630	42.661	0.176	1.324	1189.776	9.363
73.400	40.626	42.603	0.176	1.324	1189.776	9.333
73.600	40.622	42.544	0.176	1.324	1189.776	9.309
73.800	40.618	42.515	0.175	1.325	1189.775	9.294
74.000	40.614	42.486	0.175	1.325	1189.775	9.279
74.200	40.610	42.457	0.175	1.325	1189.775	9.263
74.400	40.606	42.427	0.175	1.325	1189.775	9.248
74.600	40.602	42.398	0.175	1.325	1189.775	9.233
74.800	40.598	42.369	0.175	1.325	1189.775	9.217
75.000	40.594	42.340	0.175	1.325	1189.775	9.202
75.200	40.590	42.311	0.174	1.326	1189.774	9.187
75.400	40.586	42.281	0.174	1.326	1189.774	9.172
75.600	40.582	42.252	0.174	1.326	1189.774	9.156
75.800	40.578	42.223	0.174	1.326	1189.774	9.141
76.000	40.574	42.194	0.174	1.326	1189.774	9.126
76.200	40.570	42.165	0.174	1.326	1189.774	9.111
76.400	40.566	42.135	0.174	1.326	1189.774	9.096
76.600	40.562	42.106	0.173	1.327	1189.773	9.080
76.800	40.558	42.077	0.173	1.327	1189.773	9.065
77.000	40.554	42.048	0.173	1.327	1189.773	9.050
77.200	40.550	42.019	0.173	1.327	1189.773	9.035
77.400	40.546	41.989	0.173	1.327	1189.773	9.020
77.600	40.542	41.960	0.173	1.327	1189.773	9.005
77.800	40.538	41.931	0.173	1.327	1189.773	8.990
78.000	40.534	41.902	0.172	1.328	1189.772	8.975
78.200	40.530	41.872	0.172	1.328	1189.772	8.960
78.400	40.526	41.843	0.172	1.328	1189.772	8.945
78.600	40.522	41.814	0.172	1.328	1189.772	8.930
78.800	40.518	41.785	0.172	1.328	1189.772	8.914
79.000	40.514	41.756	0.172	1.328	1189.772	8.899

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
79.200	40.510	41.726	0.171	1.329	1189.771	8.884
79.400	40.506	41.697	0.171	1.329	1189.771	8.870
79.600	40.502	41.668	0.171	1.329	1189.771	8.855
79.800	40.498	41.639	0.171	1.329	1189.771	8.840
80.000	40.494	41.610	0.171	1.329	1189.771	8.825
80.200	40.490	41.580	0.171	1.329	1189.771	8.810
80.400	40.486	41.551	0.171	1.329	1189.771	8.795
80.600	40.482	41.522	0.170	1.330	1189.770	8.780
80.800	40.478	41.493	0.170	1.330	1189.770	8.765
81.000	40.474	41.464	0.170	1.330	1189.770	8.750
81.200	40.470	41.434	0.170	1.330	1189.770	8.735
81.400	40.466	41.405	0.170	1.330	1189.770	8.721
81.600	40.462	41.376	0.170	1.330	1189.770	8.706
81.800	40.458	41.347	0.170	1.330	1189.770	8.691
82.000	40.454	41.318	0.169	1.331	1189.769	8.676
82.200	40.450	41.288	0.169	1.331	1189.769	8.661
82.400	40.446	41.259	0.169	1.331	1189.769	8.647
82.600	40.442	41.230	0.169	1.331	1189.769	8.632
82.800	40.438	41.201	0.169	1.331	1189.769	8.617
83.000	40.434	41.172	0.169	1.331	1189.769	8.602
83.200	40.430	41.142	0.168	1.332	1189.768	8.588
83.400	40.426	41.113	0.168	1.332	1189.768	8.573
83.600	40.422	41.084	0.168	1.332	1189.768	8.558
83.800	40.418	41.055	0.168	1.332	1189.768	8.544
84.000	40.414	41.026	0.168	1.332	1189.768	8.529
84.200	40.410	41.011	0.168	1.332	1189.768	8.529
84.400	40.406	41.011	0.168	1.332	1189.768	8.529
84.600	40.402	41.011	0.168	1.332	1189.768	8.529
84.800	40.398	40.996	0.168	1.332	1189.768	8.522
85.000	40.394	40.996	0.168	1.332	1189.768	8.522
85.200	40.390	40.996	0.168	1.332	1189.768	8.522
85.400	40.386	40.996	0.168	1.332	1189.768	8.514
85.600	40.382	40.982	0.168	1.332	1189.768	8.514
85.800	40.378	40.982	0.168	1.332	1189.768	8.514
86.000	40.374	40.982	0.168	1.332	1189.768	8.514
86.200	40.370	40.982	0.168	1.332	1189.768	8.507
86.400	40.366	40.967	0.168	1.332	1189.768	8.507
86.600	40.362	40.967	0.168	1.332	1189.768	8.507
86.800	40.358	40.967	0.168	1.332	1189.768	8.507
87.000	40.354	40.952	0.168	1.332	1189.768	8.500
87.200	40.350	40.952	0.168	1.332	1189.768	8.500
87.400	40.346	40.952	0.168	1.332	1189.768	8.500
87.600	40.342	40.952	0.168	1.332	1189.768	8.492
87.800	40.338	40.938	0.168	1.332	1189.768	8.492
88.000	40.334	40.938	0.168	1.332	1189.768	8.492
88.200	40.330	40.938	0.168	1.332	1189.768	8.492
88.400	40.326	40.923	0.167	1.333	1189.767	8.485
88.600	40.322	40.923	0.167	1.333	1189.767	8.485
88.800	40.318	40.923	0.167	1.333	1189.767	8.485
89.000	40.314	40.923	0.167	1.333	1189.767	8.478
89.200	40.310	40.909	0.167	1.333	1189.767	8.478
89.400	40.306	40.909	0.167	1.333	1189.767	8.478
89.600	40.302	40.909	0.167	1.333	1189.767	8.478
89.800	40.298	40.894	0.167	1.333	1189.767	8.471
90.000	40.294	40.894	0.167	1.333	1189.767	8.471
90.200	40.290	40.894	0.167	1.333	1189.767	8.471
90.400	40.286	40.894	0.167	1.333	1189.767	8.463
90.600	40.282	40.879	0.167	1.333	1189.767	8.463
90.800	40.278	40.879	0.167	1.333	1189.767	8.463
91.000	40.274	40.879	0.167	1.333	1189.767	8.463
91.200	40.270	40.879	0.167	1.333	1189.767	8.456
91.400	40.266	40.865	0.167	1.333	1189.767	8.456
91.600	40.262	40.865	0.167	1.333	1189.767	8.456
91.800	40.258	40.865	0.167	1.333	1189.767	8.456
92.000	40.254	40.850	0.167	1.333	1189.767	8.449
92.200	40.250	40.850	0.167	1.333	1189.767	8.449
92.400	40.244	40.850	0.167	1.333	1189.767	8.449
92.600	40.236	40.836	0.167	1.333	1189.767	8.441
92.800	40.228	40.836	0.167	1.333	1189.767	8.434
93.000	40.220	40.821	0.167	1.333	1189.767	8.434
93.200	40.212	40.821	0.167	1.333	1189.767	8.427
93.400	40.204	40.806	0.167	1.333	1189.767	8.427
93.600	40.196	40.792	0.167	1.333	1189.767	8.420
93.800	40.188	40.792	0.167	1.333	1189.767	8.420
94.000	40.180	40.777	0.167	1.333	1189.767	8.412
94.200	40.172	40.777	0.167	1.333	1189.767	8.412
94.400	40.164	40.763	0.167	1.333	1189.767	8.405
94.600	40.156	40.763	0.167	1.333	1189.767	8.398
94.800	40.148	40.748	0.167	1.333	1189.767	8.398
95.000	40.140	40.748	0.166	1.334	1189.766	8.391
95.200	40.132	40.733	0.166	1.334	1189.766	8.391

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
95.400	40.124	40.719	0.166	1.334	1189.766	8.383
95.600	40.116	40.719	0.166	1.334	1189.766	8.383
95.800	40.108	40.704	0.166	1.334	1189.766	8.376
96.000	40.100	40.704	0.166	1.334	1189.766	8.369
96.200	40.092	40.690	0.166	1.334	1189.766	8.369
96.400	40.084	40.690	0.166	1.334	1189.766	8.362
96.600	40.076	40.675	0.166	1.334	1189.766	8.362
96.800	40.068	40.675	0.166	1.334	1189.766	8.354
97.000	40.060	40.660	0.166	1.334	1189.766	8.354
97.200	40.052	40.646	0.166	1.334	1189.766	8.347
97.400	40.044	40.646	0.166	1.334	1189.766	8.347
97.600	40.036	40.631	0.166	1.334	1189.766	8.340
97.800	40.028	40.631	0.166	1.334	1189.766	8.333
98.000	40.020	40.617	0.166	1.334	1189.766	8.333
98.200	40.012	40.617	0.166	1.334	1189.766	8.325
98.400	40.004	40.602	0.166	1.334	1189.766	8.325
98.600	39.996	40.587	0.166	1.334	1189.766	8.318
98.800	39.988	40.587	0.166	1.334	1189.766	8.318
99.000	39.980	40.573	0.166	1.334	1189.766	8.311
99.200	39.972	40.573	0.166	1.334	1189.766	8.311
99.400	39.964	40.558	0.166	1.334	1189.766	8.304
99.600	39.956	40.558	0.166	1.334	1189.766	8.297
99.800	39.948	40.544	0.166	1.334	1189.766	8.297
100.000	39.940	40.544	0.165	1.335	1189.765	8.289
100.200	39.932	40.529	0.165	1.335	1189.765	8.289
100.400	39.924	40.514	0.165	1.335	1189.765	8.282
100.600	39.916	40.514	0.165	1.335	1189.765	8.282
100.800	39.908	40.500	0.165	1.335	1189.765	8.275
101.000	39.900	40.500	0.165	1.335	1189.765	8.268
101.200	39.892	40.485	0.165	1.335	1189.765	8.268
101.400	39.884	40.485	0.165	1.335	1189.765	8.261
101.600	39.876	40.471	0.165	1.335	1189.765	8.261
101.800	39.868	40.471	0.165	1.335	1189.765	8.253
102.000	39.859	40.456	0.165	1.335	1189.765	8.253
102.200	39.851	40.441	0.165	1.335	1189.765	8.246
102.400	39.843	40.441	0.165	1.335	1189.765	8.246
102.600	39.835	40.427	0.165	1.335	1189.765	8.239
102.800	39.827	40.427	0.165	1.335	1189.765	8.232
103.000	39.819	40.412	0.165	1.335	1189.765	8.232
103.200	39.811	40.412	0.165	1.335	1189.765	8.225
103.400	39.803	40.398	0.165	1.335	1189.765	8.225
103.600	39.795	40.383	0.165	1.335	1189.765	8.217
103.800	39.787	40.383	0.165	1.335	1189.765	8.217
104.000	39.779	40.368	0.165	1.335	1189.765	8.210
104.200	39.771	40.368	0.165	1.335	1189.765	8.210
104.400	39.763	40.354	0.165	1.335	1189.765	8.203
104.600	39.755	40.354	0.164	1.336	1189.764	8.196
104.800	39.747	40.339	0.164	1.336	1189.764	8.196
105.000	39.739	40.339	0.164	1.336	1189.764	8.189
105.200	39.731	40.325	0.164	1.336	1189.764	8.189
105.400	39.723	40.310	0.164	1.336	1189.764	8.182
105.600	39.715	40.310	0.164	1.336	1189.764	8.182
105.800	39.707	40.295	0.164	1.336	1189.764	8.174
106.000	39.699	40.295	0.164	1.336	1189.764	8.167
106.200	39.691	40.281	0.164	1.336	1189.764	8.167
106.400	39.683	40.281	0.164	1.336	1189.764	8.160
106.600	39.675	40.266	0.164	1.336	1189.764	8.160
106.800	39.667	40.266	0.164	1.336	1189.764	8.153
107.000	39.659	40.252	0.164	1.336	1189.764	8.153
107.200	39.651	40.237	0.164	1.336	1189.764	8.146
107.400	39.643	40.237	0.164	1.336	1189.764	8.146
107.600	39.635	40.222	0.164	1.336	1189.764	8.139
107.800	39.627	40.222	0.164	1.336	1189.764	8.132
108.000	39.619	40.208	0.164	1.336	1189.764	8.132
108.200	39.611	40.208	0.164	1.336	1189.764	8.124
108.400	39.603	40.193	0.164	1.336	1189.764	8.124
108.600	39.595	40.179	0.164	1.336	1189.764	8.117
108.800	39.587	40.179	0.164	1.336	1189.764	8.117
109.000	39.579	40.164	0.164	1.336	1189.764	8.110
109.200	39.571	40.164	0.164	1.336	1189.764	8.110
109.400	39.563	40.149	0.164	1.336	1189.764	8.103
109.600	39.555	40.149	0.163	1.337	1189.763	8.096
109.800	39.547	40.135	0.163	1.337	1189.763	8.096
110.000	39.539	40.135	0.163	1.337	1189.763	8.089
110.200	39.531	40.120	0.163	1.337	1189.763	8.089
110.400	39.523	40.106	0.163	1.337	1189.763	8.082
110.600	39.515	40.106	0.163	1.337	1189.763	8.082
110.800	39.507	40.091	0.163	1.337	1189.763	8.075
111.000	39.499	40.091	0.163	1.337	1189.763	8.075
111.200	39.491	40.076	0.163	1.337	1189.763	8.068
111.400	39.483	40.076	0.163	1.337	1189.763	8.061
111.600	39.475	40.062	0.163	1.337	1189.763	8.061
111.800	39.467	40.062	0.163	1.337	1189.763	8.053

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
112.000	39.459	40.047	0.163	1.337	1189.763	8.053
112.200	39.451	40.032	0.163	1.337	1189.763	8.046
112.400	39.443	40.032	0.163	1.337	1189.763	8.046
112.600	39.435	40.018	0.163	1.337	1189.763	8.039
112.800	39.427	40.018	0.163	1.337	1189.763	8.032
113.000	39.419	40.003	0.163	1.337	1189.763	8.032
113.200	39.411	40.003	0.163	1.337	1189.763	8.025
113.400	39.403	39.989	0.163	1.337	1189.763	8.025
113.600	39.395	39.989	0.163	1.337	1189.763	8.018
113.800	39.387	39.974	0.163	1.337	1189.763	8.018
114.000	39.379	39.959	0.163	1.337	1189.763	8.011
114.200	39.371	39.959	0.163	1.337	1189.763	8.011
114.400	39.363	39.945	0.162	1.338	1189.762	8.004
114.600	39.355	39.945	0.162	1.338	1189.762	7.997
114.800	39.347	39.930	0.162	1.338	1189.762	7.997
115.000	39.339	39.930	0.162	1.338	1189.762	7.990
115.200	39.331	39.916	0.162	1.338	1189.762	7.990
115.400	39.323	39.901	0.162	1.338	1189.762	7.983
115.600	39.315	39.901	0.162	1.338	1189.762	7.983
115.800	39.307	39.886	0.162	1.338	1189.762	7.976
116.000	39.299	39.886	0.162	1.338	1189.762	7.976
116.200	39.291	39.872	0.162	1.338	1189.762	7.969
116.400	39.283	39.872	0.162	1.338	1189.762	7.962
116.600	39.275	39.857	0.162	1.338	1189.762	7.962
116.800	39.267	39.857	0.162	1.338	1189.762	7.955
117.000	39.259	39.843	0.162	1.338	1189.762	7.955
117.200	39.251	39.828	0.162	1.338	1189.762	7.947
117.400	39.243	39.828	0.162	1.338	1189.762	7.947
117.600	39.235	39.813	0.162	1.338	1189.762	7.940
117.800	39.227	39.813	0.162	1.338	1189.762	7.933
118.000	39.219	39.799	0.162	1.338	1189.762	7.933
118.200	39.211	39.799	0.162	1.338	1189.762	7.926
118.400	39.203	39.784	0.162	1.338	1189.762	7.926
118.600	39.195	39.784	0.162	1.338	1189.762	7.919
118.800	39.187	39.770	0.162	1.338	1189.762	7.919
119.000	39.179	39.755	0.162	1.339	1189.762	7.912
119.200	39.171	39.755	0.162	1.339	1189.762	7.912
119.400	39.163	39.740	0.161	1.339	1189.761	7.905
119.600	39.155	39.740	0.161	1.339	1189.761	7.898
119.800	39.147	39.726	0.161	1.339	1189.761	7.898
120.000	39.139	39.726	0.161	1.339	1189.761	7.891
120.200	39.131	39.711	0.161	1.339	1189.761	7.891
120.400	39.123	39.697	0.161	1.339	1189.761	7.884
120.600	39.115	39.697	0.161	1.339	1189.761	7.884
120.800	39.107	39.682	0.161	1.339	1189.761	7.877
121.000	39.099	39.682	0.161	1.339	1189.761	7.877
121.200	39.091	39.667	0.161	1.339	1189.761	7.870
121.400	39.079	39.667	0.161	1.339	1189.761	7.863
121.600	39.067	39.653	0.161	1.339	1189.761	7.856
121.800	39.055	39.638	0.161	1.339	1189.761	7.849
122.000	39.043	39.624	0.161	1.339	1189.761	7.849
122.200	39.031	39.609	0.161	1.339	1189.761	7.842
122.400	39.018	39.594	0.161	1.339	1189.761	7.835
122.600	39.006	39.580	0.161	1.339	1189.761	7.828
122.800	38.994	39.580	0.161	1.339	1189.761	7.821
123.000	38.982	39.565	0.160	1.340	1189.760	7.814
123.200	38.970	39.551	0.160	1.340	1189.760	7.814
123.400	38.958	39.536	0.160	1.340	1189.760	7.807
123.600	38.946	39.521	0.160	1.340	1189.760	7.800
123.800	38.934	39.507	0.160	1.340	1189.760	7.794
124.000	38.922	39.507	0.160	1.340	1189.760	7.787
124.200	38.909	39.492	0.160	1.340	1189.760	7.780
124.400	38.896	39.478	0.160	1.340	1189.760	7.773
124.600	38.882	39.463	0.160	1.340	1189.760	7.766
124.800	38.869	39.448	0.160	1.340	1189.760	7.759
125.000	38.855	39.434	0.160	1.340	1189.760	7.759
125.200	38.842	39.419	0.160	1.340	1189.760	7.752
125.400	38.829	39.405	0.160	1.340	1189.760	7.745
125.600	38.815	39.390	0.160	1.340	1189.760	7.738
125.800	38.802	39.375	0.160	1.340	1189.760	7.731
126.000	38.788	39.361	0.159	1.341	1189.759	7.724
126.200	38.775	39.346	0.159	1.341	1189.759	7.717
126.400	38.761	39.332	0.159	1.341	1189.759	7.710
126.600	38.748	39.317	0.159	1.341	1189.759	7.703
126.800	38.734	39.317	0.159	1.341	1189.759	7.696
127.000	38.721	39.302	0.159	1.341	1189.759	7.689
127.200	38.708	39.288	0.159	1.341	1189.759	7.683
127.400	38.694	39.273	0.159	1.341	1189.759	7.676
127.600	38.681	39.259	0.159	1.341	1189.759	7.669
127.800	38.667	39.244	0.159	1.341	1189.759	7.662
128.000	38.654	39.229	0.159	1.341	1189.759	7.655
128.200	38.640	39.215	0.159	1.341	1189.759	7.648
128.400	38.627	39.200	0.159	1.341	1189.759	7.648

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
128.600	38.614	39.186	0.159	1.341	1189.759	7.641
128.800	38.600	39.171	0.159	1.341	1189.759	7.634
129.000	38.587	39.156	0.158	1.342	1189.758	7.627
129.200	38.573	39.142	0.158	1.342	1189.758	7.621
129.400	38.560	39.127	0.158	1.342	1189.758	7.614
129.600	38.546	39.112	0.158	1.342	1189.758	7.607
129.800	38.533	39.098	0.158	1.342	1189.758	7.600
130.000	38.519	39.098	0.158	1.342	1189.758	7.593
130.200	38.506	39.083	0.158	1.342	1189.758	7.586
130.400	38.493	39.069	0.158	1.342	1189.758	7.579
130.600	38.479	39.054	0.158	1.342	1189.758	7.573
130.800	38.466	39.039	0.158	1.342	1189.758	7.566
131.000	38.452	39.025	0.158	1.342	1189.758	7.559
131.200	38.439	39.010	0.158	1.342	1189.758	7.552
131.400	38.425	38.996	0.158	1.342	1189.758	7.545
131.600	38.412	38.981	0.158	1.342	1189.758	7.545
131.800	38.398	38.966	0.157	1.343	1189.757	7.538
132.000	38.385	38.952	0.157	1.343	1189.757	7.532
132.200	38.372	38.937	0.157	1.343	1189.757	7.525
132.400	38.358	38.923	0.157	1.343	1189.757	7.518
132.600	38.345	38.908	0.157	1.343	1189.757	7.511
132.800	38.331	38.893	0.157	1.343	1189.757	7.504
133.000	38.318	38.879	0.157	1.343	1189.757	7.497
133.200	38.304	38.864	0.157	1.343	1189.757	7.491
133.400	38.291	38.864	0.157	1.343	1189.757	7.484
133.600	38.278	38.850	0.157	1.343	1189.757	7.477
133.800	38.264	38.835	0.157	1.343	1189.757	7.470
134.000	38.251	38.820	0.157	1.343	1189.757	7.463
134.200	38.237	38.806	0.157	1.343	1189.757	7.457
134.400	38.224	38.791	0.157	1.343	1189.757	7.450
134.600	38.210	38.777	0.156	1.344	1189.756	7.443
134.800	38.197	38.762	0.156	1.344	1189.756	7.443
135.000	38.183	38.747	0.156	1.344	1189.756	7.436
135.200	38.170	38.733	0.156	1.344	1189.756	7.430
135.400	38.157	38.718	0.156	1.344	1189.756	7.423
135.600	38.143	38.704	0.156	1.344	1189.756	7.416
135.800	38.130	38.689	0.156	1.344	1189.756	7.409
136.000	38.116	38.674	0.156	1.344	1189.756	7.402
136.200	38.103	38.660	0.156	1.344	1189.756	7.396
136.400	38.089	38.645	0.156	1.344	1189.756	7.389
136.600	38.076	38.645	0.156	1.344	1189.756	7.382
136.800	38.063	38.631	0.156	1.344	1189.756	7.375
137.000	38.049	38.616	0.156	1.344	1189.756	7.369
137.200	38.036	38.601	0.156	1.344	1189.756	7.362
137.400	38.022	38.587	0.155	1.345	1189.755	7.355
137.600	38.009	38.572	0.155	1.345	1189.755	7.349
137.800	37.995	38.558	0.155	1.345	1189.755	7.342
138.000	37.982	38.543	0.155	1.345	1189.755	7.335
138.200	37.968	38.528	0.155	1.345	1189.755	7.335
138.400	37.955	38.514	0.155	1.345	1189.755	7.328
138.600	37.942	38.499	0.155	1.345	1189.755	7.322
138.800	37.928	38.485	0.155	1.345	1189.755	7.315
139.000	37.915	38.470	0.155	1.345	1189.755	7.308
139.200	37.901	38.455	0.155	1.345	1189.755	7.301
139.400	37.888	38.441	0.155	1.345	1189.755	7.295
139.600	37.874	38.426	0.155	1.345	1189.755	7.288
139.800	37.861	38.412	0.155	1.345	1189.755	7.281
140.000	37.847	38.412	0.155	1.345	1189.755	7.275
140.200	37.834	38.397	0.155	1.346	1189.755	7.268
140.400	37.821	38.382	0.154	1.346	1189.754	7.261
140.600	37.807	38.368	0.154	1.346	1189.754	7.255
140.800	37.794	38.353	0.154	1.346	1189.754	7.248
141.000	37.780	38.339	0.154	1.346	1189.754	7.241
141.200	37.767	38.324	0.154	1.346	1189.754	7.235
141.400	37.753	38.309	0.154	1.346	1189.754	7.235
141.600	37.740	38.295	0.154	1.346	1189.754	7.228
141.800	37.727	38.280	0.154	1.346	1189.754	7.221
142.000	37.713	38.266	0.154	1.346	1189.754	7.215
142.200	37.700	38.251	0.154	1.346	1189.754	7.208
142.400	37.686	38.236	0.154	1.346	1189.754	7.201
142.600	37.673	38.222	0.154	1.346	1189.754	7.195
142.800	37.659	38.207	0.154	1.346	1189.754	7.188
143.000	37.646	38.192	0.154	1.346	1189.754	7.181
143.200	37.630	38.192	0.153	1.347	1189.753	7.175
143.400	37.612	38.163	0.153	1.347	1189.753	7.168
143.600	37.594	38.149	0.153	1.347	1189.753	7.155
143.800	37.576	38.134	0.153	1.347	1189.753	7.148
144.000	37.559	38.119	0.153	1.347	1189.753	7.142
144.200	37.541	38.090	0.153	1.347	1189.753	7.135
144.400	37.523	38.076	0.153	1.347	1189.753	7.122
144.600	37.505	38.061	0.153	1.347	1189.753	7.115
144.800	37.487	38.046	0.153	1.347	1189.753	7.108
145.000	37.469	38.017	0.153	1.347	1189.753	7.102

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
145.200	37.451	38.003	0.153	1.348	1189.753	7.089
145.400	37.433	37.988	0.152	1.348	1189.752	7.082
145.600	37.415	37.973	0.152	1.348	1189.752	7.075
145.800	37.397	37.956	0.152	1.348	1189.752	7.062
146.000	37.379	37.938	0.152	1.348	1189.752	7.049
146.200	37.361	37.920	0.152	1.348	1189.752	7.036
146.400	37.344	37.903	0.152	1.348	1189.752	7.023
146.600	37.326	37.885	0.152	1.348	1189.752	7.010
146.800	37.308	37.868	0.151	1.349	1189.751	6.997
147.000	37.290	37.850	0.151	1.349	1189.751	6.984
147.200	37.272	37.832	0.151	1.349	1189.751	6.971
147.400	37.254	37.815	0.151	1.349	1189.751	6.957
147.600	37.236	37.797	0.151	1.349	1189.751	6.944
147.800	37.218	37.779	0.151	1.349	1189.751	6.931
148.000	37.200	37.762	0.151	1.349	1189.751	6.918
148.200	37.182	37.744	0.150	1.350	1189.750	6.905
148.400	37.164	37.726	0.150	1.350	1189.750	6.892
148.600	37.146	37.709	0.150	1.350	1189.750	6.879
148.800	37.128	37.691	0.150	1.350	1189.750	6.866
149.000	37.111	37.673	0.150	1.350	1189.750	6.854
149.200	37.093	37.656	0.150	1.350	1189.750	6.841
149.400	37.075	37.638	0.150	1.350	1189.750	6.828
149.600	37.057	37.620	0.149	1.351	1189.749	6.815
149.800	37.039	37.603	0.149	1.351	1189.749	6.802
150.000	37.021	37.585	0.149	1.351	1189.749	6.789
150.200	37.003	37.567	0.149	1.351	1189.749	6.776
150.400	36.985	37.550	0.149	1.351	1189.749	6.763
150.600	36.967	37.532	0.149	1.351	1189.749	6.750
150.800	36.949	37.514	0.148	1.352	1189.748	6.738
151.000	36.931	37.497	0.148	1.352	1189.748	6.725
151.200	36.913	37.479	0.148	1.352	1189.748	6.712
151.400	36.896	37.462	0.148	1.352	1189.748	6.699
151.600	36.878	37.444	0.148	1.352	1189.748	6.686
151.800	36.860	37.426	0.148	1.352	1189.748	6.674
152.000	36.842	37.409	0.148	1.352	1189.748	6.661
152.200	36.824	37.391	0.147	1.353	1189.747	6.648
152.400	36.806	37.373	0.147	1.353	1189.747	6.636
152.600	36.788	37.356	0.147	1.353	1189.747	6.623
152.800	36.770	37.338	0.147	1.353	1189.747	6.610
153.000	36.752	37.320	0.147	1.353	1189.747	6.597
153.200	36.734	37.303	0.147	1.353	1189.747	6.585
153.400	36.716	37.285	0.147	1.353	1189.747	6.572
153.600	36.698	37.267	0.146	1.354	1189.746	6.560
153.800	36.681	37.250	0.146	1.354	1189.746	6.547
154.000	36.663	37.232	0.146	1.354	1189.746	6.534
154.200	36.645	37.214	0.146	1.354	1189.746	6.522
154.400	36.627	37.197	0.146	1.354	1189.746	6.509
154.600	36.609	37.179	0.146	1.354	1189.746	6.497
154.800	36.591	37.161	0.146	1.355	1189.746	6.484
155.000	36.573	37.144	0.145	1.355	1189.745	6.472
155.200	36.555	37.126	0.145	1.355	1189.745	6.459
155.400	36.535	37.108	0.145	1.355	1189.745	6.446
155.600	36.513	37.091	0.145	1.355	1189.745	6.434
155.800	36.490	37.073	0.145	1.355	1189.745	6.422
156.000	36.468	37.056	0.145	1.355	1189.745	6.409
156.200	36.445	37.038	0.144	1.356	1189.744	6.397
156.400	36.423	37.020	0.144	1.356	1189.744	6.384
156.600	36.401	37.003	0.144	1.356	1189.744	6.372
156.800	36.378	36.985	0.144	1.356	1189.744	6.359
157.000	36.356	36.967	0.144	1.356	1189.744	6.347
157.200	36.333	36.950	0.144	1.356	1189.744	6.335
157.400	36.311	36.932	0.144	1.356	1189.744	6.322
157.600	36.289	36.914	0.143	1.357	1189.743	6.310
157.800	36.266	36.897	0.143	1.357	1189.743	6.297
158.000	36.244	36.879	0.143	1.357	1189.743	6.285
158.200	36.221	36.861	0.143	1.357	1189.743	6.273
158.400	36.199	36.844	0.143	1.357	1189.743	6.260
158.600	36.177	36.826	0.143	1.357	1189.743	6.248
158.800	36.154	36.808	0.143	1.357	1189.743	6.236
159.000	36.132	36.791	0.142	1.358	1189.742	6.224
159.200	36.109	36.773	0.142	1.358	1189.742	6.211
159.400	36.087	36.755	0.142	1.358	1189.742	6.199
159.600	36.065	36.738	0.142	1.358	1189.742	6.187
159.800	36.042	36.720	0.142	1.358	1189.742	6.175
160.000	36.020	36.702	0.142	1.358	1189.742	6.163
160.200	35.997	36.685	0.141	1.359	1189.741	6.150
160.400	35.975	36.667	0.141	1.359	1189.741	6.138
160.600	35.953	36.650	0.141	1.359	1189.741	6.126
160.800	35.930	36.632	0.141	1.359	1189.741	6.114
161.000	35.908	36.614	0.141	1.359	1189.741	6.102
161.200	35.885	36.597	0.141	1.359	1189.741	6.090
161.400	35.863	36.579	0.141	1.359	1189.741	6.078
161.600	35.841	36.561	0.140	1.360	1189.740	6.065

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
161.800	35.818	36.544	0.140	1.360	1189.740	6.053
162.000	35.796	36.526	0.140	1.360	1189.740	6.041
162.200	35.773	36.508	0.140	1.360	1189.740	6.029
162.400	35.751	36.491	0.140	1.360	1189.740	6.017
162.600	35.729	36.473	0.140	1.360	1189.740	6.005
162.800	35.706	36.455	0.140	1.360	1189.740	5.993
163.000	35.684	36.438	0.139	1.361	1189.739	5.981
163.200	35.661	36.420	0.139	1.361	1189.739	5.969
163.400	35.639	36.402	0.139	1.361	1189.739	5.957
163.600	35.617	36.385	0.139	1.361	1189.739	5.945
163.800	35.594	36.367	0.139	1.361	1189.739	5.933
164.000	35.572	36.349	0.139	1.361	1189.739	5.921
164.200	35.549	36.332	0.139	1.361	1189.739	5.910
164.400	35.527	36.314	0.138	1.362	1189.738	5.898
164.600	35.505	36.297	0.138	1.362	1189.738	5.886
164.800	35.482	36.279	0.138	1.362	1189.738	5.874
165.000	35.460	36.261	0.138	1.362	1189.738	5.862
165.200	35.437	36.244	0.138	1.362	1189.738	5.850
165.400	35.415	36.226	0.138	1.362	1189.738	5.838
165.600	35.393	36.208	0.137	1.363	1189.737	5.827
165.800	35.368	36.191	0.137	1.363	1189.737	5.815
166.000	35.341	36.173	0.137	1.363	1189.737	5.803
166.200	35.314	36.155	0.137	1.363	1189.737	5.791
166.400	35.287	36.138	0.137	1.363	1189.737	5.779
166.600	35.260	36.120	0.137	1.363	1189.737	5.768
166.800	35.234	36.102	0.137	1.363	1189.737	5.756
167.000	35.207	36.085	0.136	1.364	1189.736	5.744
167.200	35.180	36.067	0.136	1.364	1189.736	5.732
167.400	35.153	36.049	0.136	1.364	1189.736	5.721
167.600	35.126	36.032	0.136	1.364	1189.736	5.709
167.800	35.099	36.014	0.136	1.364	1189.736	5.697
168.000	35.072	35.996	0.136	1.364	1189.736	5.686
168.200	35.045	35.979	0.136	1.364	1189.736	5.674
168.400	35.019	35.961	0.135	1.365	1189.735	5.663
168.600	34.992	35.943	0.135	1.365	1189.735	5.651
168.800	34.965	35.926	0.135	1.365	1189.735	5.639
169.000	34.938	35.908	0.135	1.365	1189.735	5.628
169.200	34.911	35.891	0.135	1.365	1189.735	5.616
169.400	34.884	35.873	0.135	1.365	1189.735	5.605
169.600	34.857	35.855	0.134	1.366	1189.734	5.593
169.800	34.830	35.838	0.134	1.366	1189.734	5.582
170.000	34.803	35.820	0.134	1.366	1189.734	5.570
170.200	34.777	35.802	0.134	1.366	1189.734	5.559
170.400	34.750	35.785	0.134	1.366	1189.734	5.547
170.600	34.723	35.767	0.134	1.366	1189.734	5.536
170.800	34.696	35.749	0.134	1.366	1189.734	5.524
171.000	34.669	35.732	0.133	1.367	1189.733	5.513
171.200	34.642	35.714	0.133	1.367	1189.733	5.501
171.400	34.615	35.696	0.133	1.367	1189.733	5.490
171.600	34.588	35.679	0.133	1.367	1189.733	5.478
171.800	34.562	35.661	0.133	1.367	1189.733	5.467
172.000	34.535	35.643	0.133	1.367	1189.733	5.456
172.200	34.508	35.626	0.133	1.367	1189.733	5.444
172.400	34.476	35.608	0.132	1.368	1189.732	5.433
172.600	34.445	35.590	0.132	1.368	1189.732	5.422
172.800	34.414	35.573	0.132	1.368	1189.732	5.410
173.000	34.382	35.555	0.132	1.368	1189.732	5.399
173.200	34.351	35.537	0.132	1.368	1189.732	5.388
173.400	34.318	35.520	0.132	1.368	1189.732	5.376
173.600	34.281	35.502	0.132	1.368	1189.732	5.365
173.800	34.245	35.485	0.131	1.369	1189.731	5.354
174.000	34.209	35.467	0.131	1.369	1189.731	5.343
174.200	34.173	35.449	0.131	1.369	1189.731	5.331
174.400	34.136	35.432	0.131	1.369	1189.731	5.320
174.600	34.100	35.414	0.131	1.369	1189.731	5.309
174.800	34.064	35.396	0.131	1.369	1189.731	5.298
175.000	34.028	35.379	0.130	1.370	1189.730	5.286
175.200	33.991	35.361	0.130	1.370	1189.730	5.275
175.400	33.955	35.343	0.130	1.370	1189.730	5.264
175.600	33.919	35.317	0.130	1.370	1189.730	5.242
175.800	33.883	35.282	0.130	1.370	1189.730	5.220
176.000	33.846	35.246	0.129	1.371	1189.729	5.198
176.200	33.810	35.211	0.129	1.371	1189.729	5.175
176.400	33.774	35.176	0.129	1.371	1189.729	5.153
176.600	33.738	35.140	0.128	1.372	1189.728	5.131
176.800	33.701	35.105	0.128	1.372	1189.728	5.109
177.000	33.665	35.070	0.128	1.372	1189.728	5.088
177.200	33.629	35.034	0.127	1.373	1189.727	5.066
177.400	33.593	34.999	0.127	1.373	1189.727	5.044
177.600	33.556	34.964	0.127	1.373	1189.727	5.022
177.800	33.520	34.928	0.127	1.373	1189.727	5.001
178.000	33.484	34.893	0.126	1.374	1189.726	4.979
178.200	33.448	34.858	0.126	1.374	1189.726	4.957

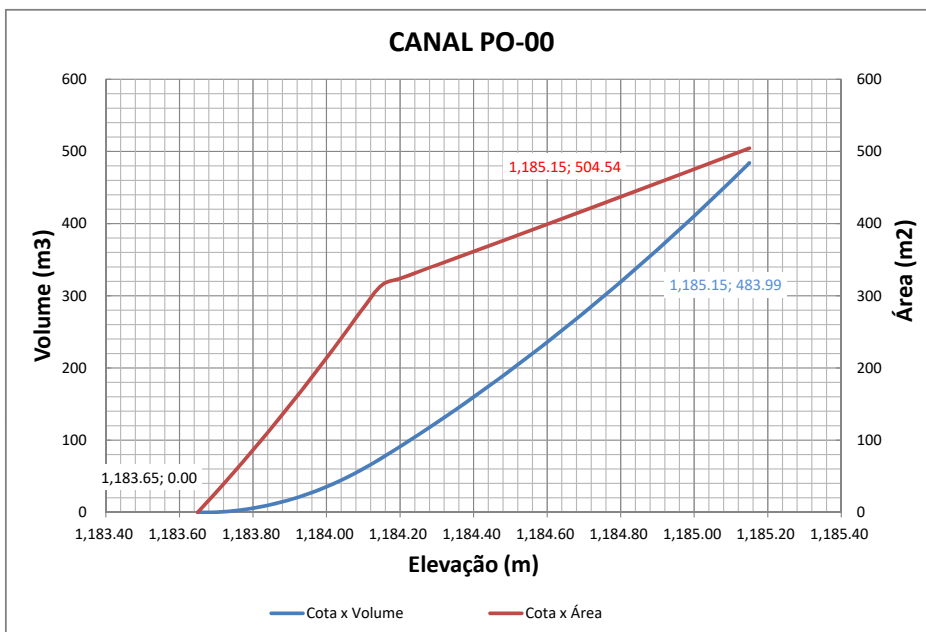
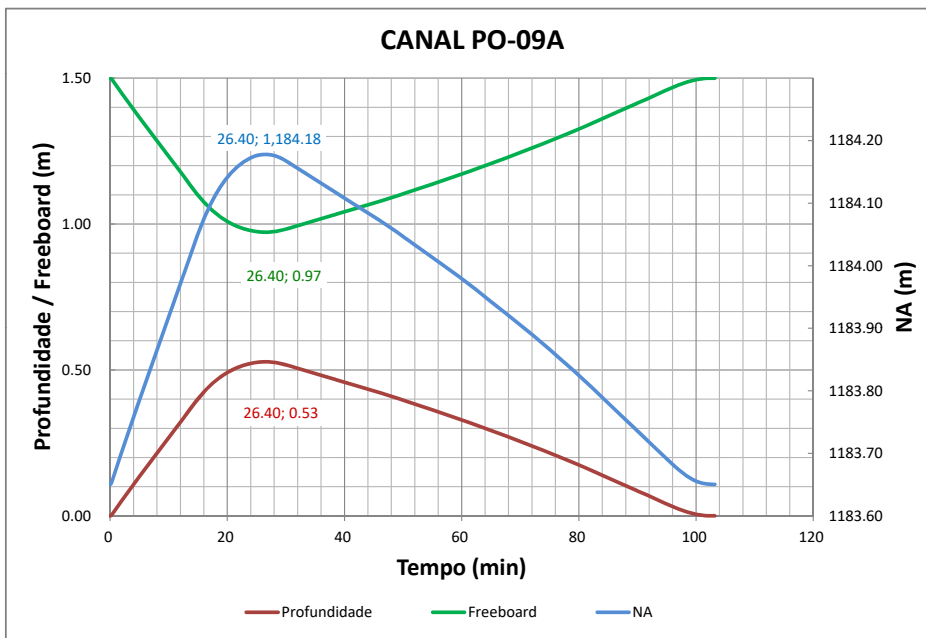
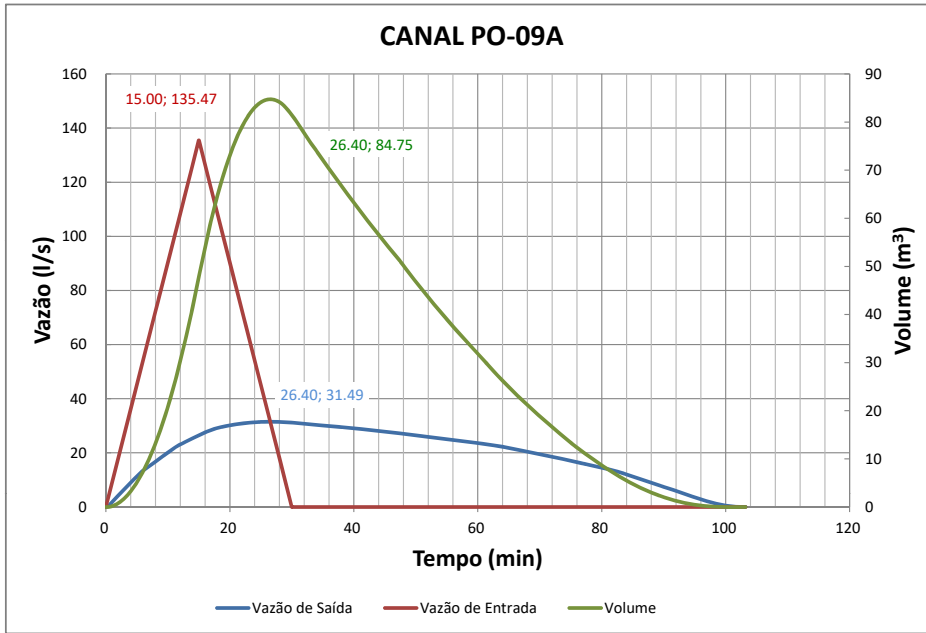
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
178.400	33.411	34.823	0.126	1.374	1189.726	4.936
178.600	33.375	34.787	0.125	1.375	1189.725	4.915
178.800	33.339	34.752	0.125	1.375	1189.725	4.893
179.000	33.300	34.717	0.125	1.375	1189.725	4.872
179.200	33.258	34.681	0.125	1.375	1189.725	4.851
179.400	33.217	34.646	0.124	1.376	1189.724	4.829
179.600	33.176	34.611	0.124	1.376	1189.724	4.808
179.800	33.134	34.575	0.124	1.376	1189.724	4.787
180.000	33.093	34.540	0.123	1.377	1189.723	4.766
180.200	33.051	34.505	0.123	1.377	1189.723	4.745
180.400	33.010	34.470	0.123	1.377	1189.723	4.724
180.600	32.968	34.434	0.122	1.378	1189.722	4.703
180.800	32.927	34.399	0.122	1.378	1189.722	4.682
181.000	32.886	34.364	0.122	1.378	1189.722	4.661
181.200	32.844	34.328	0.122	1.378	1189.722	4.641
181.400	32.803	34.293	0.121	1.379	1189.721	4.620
181.600	32.761	34.258	0.121	1.379	1189.721	4.599
181.800	32.720	34.222	0.121	1.379	1189.721	4.579
182.000	32.678	34.187	0.120	1.380	1189.720	4.558
182.200	32.637	34.152	0.120	1.380	1189.720	4.538
182.400	32.596	34.116	0.120	1.380	1189.720	4.517
182.600	32.554	34.081	0.119	1.381	1189.719	4.497
182.800	32.513	34.046	0.119	1.381	1189.719	4.477
183.000	32.471	34.011	0.119	1.381	1189.719	4.456
183.200	32.430	33.975	0.119	1.381	1189.719	4.436
183.400	32.388	33.940	0.118	1.382	1189.718	4.416
183.600	32.347	33.905	0.118	1.382	1189.718	4.396
183.800	32.306	33.869	0.118	1.382	1189.718	4.376
184.000	32.264	33.834	0.117	1.383	1189.717	4.356
184.200	32.223	33.799	0.117	1.383	1189.717	4.336
184.400	32.181	33.763	0.117	1.383	1189.717	4.316
184.600	32.140	33.728	0.116	1.384	1189.716	4.296
184.800	32.098	33.693	0.116	1.384	1189.716	4.277
185.000	32.057	33.658	0.116	1.384	1189.716	4.257
185.200	32.016	33.622	0.116	1.384	1189.716	4.237
185.400	31.974	33.587	0.115	1.385	1189.715	4.218
185.600	31.933	33.552	0.115	1.385	1189.715	4.198
185.800	31.891	33.516	0.115	1.385	1189.715	4.179
186.000	31.850	33.481	0.114	1.386	1189.714	4.159
186.200	31.808	33.446	0.114	1.386	1189.714	4.140
186.400	31.767	33.410	0.114	1.386	1189.714	4.121
186.600	31.725	33.375	0.114	1.387	1189.714	4.101
186.800	31.684	33.340	0.113	1.387	1189.713	4.082
187.000	31.643	33.305	0.113	1.387	1189.713	4.063
187.200	31.601	33.269	0.113	1.387	1189.713	4.044
187.400	31.560	33.234	0.112	1.388	1189.712	4.025
187.600	31.518	33.199	0.112	1.388	1189.712	4.006
187.800	31.477	33.163	0.112	1.388	1189.712	3.987
188.000	31.435	33.128	0.111	1.389	1189.711	3.968
188.200	31.394	33.093	0.111	1.389	1189.711	3.949
188.400	31.353	33.057	0.111	1.389	1189.711	3.930
188.600	31.311	33.022	0.111	1.389	1189.711	3.912
188.800	31.270	32.987	0.110	1.390	1189.710	3.893
189.000	31.228	32.951	0.110	1.390	1189.710	3.874
189.200	31.187	32.916	0.110	1.390	1189.710	3.856
189.400	31.145	32.881	0.109	1.391	1189.709	3.837
189.600	31.104	32.846	0.109	1.391	1189.709	3.819
189.800	31.063	32.810	0.109	1.391	1189.709	3.800
190.000	31.021	32.775	0.108	1.392	1189.708	3.782
190.200	30.980	32.740	0.108	1.392	1189.708	3.764
190.400	30.938	32.704	0.108	1.392	1189.708	3.745
190.600	30.897	32.669	0.108	1.392	1189.708	3.727
190.800	30.855	32.634	0.107	1.393	1189.707	3.709
191.000	30.814	32.598	0.107	1.393	1189.707	3.691
191.200	30.773	32.563	0.107	1.393	1189.707	3.673
191.400	30.731	32.528	0.106	1.394	1189.706	3.655
191.600	30.690	32.493	0.106	1.394	1189.706	3.637
191.800	30.648	32.457	0.106	1.394	1189.706	3.619
192.000	30.607	32.422	0.105	1.395	1189.705	3.602
192.200	30.565	32.387	0.105	1.395	1189.705	3.584
192.400	30.524	32.351	0.105	1.395	1189.705	3.566
192.600	30.483	32.316	0.105	1.395	1189.705	3.548
192.800	30.441	32.272	0.104	1.396	1189.704	3.522
193.000	30.400	32.228	0.104	1.396	1189.704	3.500
193.200	30.358	32.175	0.103	1.397	1189.703	3.474
193.400	30.317	32.122	0.103	1.397	1189.703	3.452
193.600	30.275	32.078	0.102	1.398	1189.702	3.426
193.800	30.234	32.025	0.102	1.398	1189.702	3.401
194.000	30.192	31.981	0.102	1.398	1189.702	3.379
194.200	30.151	31.928	0.101	1.399	1189.701	3.354
194.400	30.110	31.875	0.101	1.399	1189.701	3.332
194.600	30.068	31.831	0.100	1.400	1189.700	3.307
194.800	30.027	31.778	0.100	1.400	1189.700	3.282

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
195.000	29.985	31.733	0.100	1.400	1189.700	3.261
195.200	29.944	31.681	0.099	1.401	1189.699	3.236
195.400	29.902	31.628	0.099	1.401	1189.699	3.215
195.600	29.861	31.583	0.098	1.402	1189.698	3.191
195.800	29.820	31.530	0.098	1.402	1189.698	3.166
196.000	29.778	31.486	0.098	1.403	1189.698	3.145
196.200	29.737	31.433	0.097	1.403	1189.697	3.121
196.400	29.695	31.380	0.097	1.403	1189.697	3.101
196.600	29.654	31.336	0.096	1.404	1189.696	3.077
196.800	29.612	31.283	0.096	1.404	1189.696	3.053
197.000	29.571	31.239	0.095	1.405	1189.695	3.033
197.200	29.530	31.186	0.095	1.405	1189.695	3.009
197.400	29.488	31.133	0.095	1.405	1189.695	2.985
197.600	29.447	31.089	0.094	1.406	1189.694	2.965
197.800	29.405	31.036	0.094	1.406	1189.694	2.942
198.000	29.364	30.983	0.093	1.407	1189.693	2.923
198.200	29.322	30.939	0.093	1.407	1189.693	2.899
198.400	29.281	30.886	0.092	1.408	1189.692	2.876
198.600	29.240	30.842	0.092	1.408	1189.692	2.857
198.800	29.198	30.789	0.092	1.408	1189.692	2.834
199.000	29.157	30.736	0.091	1.409	1189.691	2.815
199.200	29.115	30.692	0.091	1.409	1189.691	2.792
199.400	29.074	30.639	0.090	1.410	1189.690	2.770
199.600	29.032	30.595	0.090	1.410	1189.690	2.751
199.800	28.982	30.542	0.090	1.410	1189.690	2.729
200.000	28.931	30.489	0.089	1.411	1189.689	2.707
200.200	28.880	30.436	0.089	1.411	1189.689	2.685
200.400	28.829	30.383	0.088	1.412	1189.688	2.663
200.600	28.778	30.330	0.088	1.412	1189.688	2.641
200.800	28.727	30.277	0.087	1.413	1189.687	2.619
201.000	28.676	30.224	0.087	1.413	1189.687	2.598
201.200	28.625	30.171	0.086	1.414	1189.686	2.576
201.400	28.575	30.118	0.086	1.414	1189.686	2.555
201.600	28.524	30.065	0.086	1.414	1189.686	2.534
201.800	28.473	30.012	0.085	1.415	1189.685	2.513
202.000	28.422	29.959	0.085	1.415	1189.685	2.492
202.200	28.371	29.907	0.084	1.416	1189.684	2.471
202.400	28.320	29.854	0.084	1.416	1189.684	2.450
202.600	28.269	29.801	0.083	1.417	1189.683	2.430
202.800	28.218	29.748	0.083	1.417	1189.683	2.409
203.000	28.167	29.695	0.082	1.418	1189.682	2.389
203.200	28.116	29.642	0.082	1.418	1189.682	2.369
203.400	28.065	29.589	0.082	1.419	1189.682	2.349
203.600	28.008	29.536	0.081	1.419	1189.681	2.329
203.800	27.951	29.483	0.081	1.419	1189.681	2.309
204.000	27.893	29.430	0.080	1.420	1189.680	2.290
204.200	27.836	29.377	0.080	1.420	1189.680	2.270
204.400	27.779	29.324	0.079	1.421	1189.679	2.251
204.600	27.721	29.271	0.079	1.421	1189.679	2.231
204.800	27.664	29.218	0.078	1.422	1189.678	2.212
205.000	27.607	29.165	0.078	1.422	1189.678	2.193
205.200	27.549	29.112	0.077	1.423	1189.677	2.174
205.400	27.492	29.059	0.077	1.423	1189.677	2.155
205.600	27.435	29.006	0.077	1.423	1189.677	2.137
205.800	27.378	28.953	0.076	1.424	1189.676	2.118
206.000	27.320	28.900	0.076	1.424	1189.676	2.100
206.200	27.263	28.847	0.075	1.425	1189.675	2.081
206.400	27.206	28.794	0.075	1.425	1189.675	2.063
206.600	27.148	28.741	0.074	1.426	1189.674	2.045
206.800	27.091	28.689	0.074	1.426	1189.674	2.027
207.000	27.034	28.636	0.073	1.427	1189.673	2.009
207.200	26.976	28.583	0.073	1.427	1189.673	1.992
207.400	26.919	28.530	0.073	1.427	1189.673	1.974
207.600	26.862	28.477	0.072	1.428	1189.672	1.957
207.800	26.805	28.424	0.072	1.428	1189.672	1.940
208.000	26.747	28.371	0.071	1.429	1189.671	1.922
208.200	26.690	28.318	0.071	1.429	1189.671	1.905
208.400	26.633	28.265	0.070	1.430	1189.670	1.888
208.600	26.575	28.212	0.070	1.430	1189.670	1.869
208.800	26.518	28.141	0.069	1.431	1189.669	1.847
209.000	26.461	28.071	0.069	1.431	1189.669	1.825
209.200	26.403	28.000	0.068	1.432	1189.668	1.803
209.400	26.346	27.929	0.067	1.433	1189.667	1.781
209.600	26.289	27.859	0.067	1.433	1189.667	1.760
209.800	26.231	27.788	0.066	1.434	1189.666	1.739
210.000	26.174	27.718	0.066	1.434	1189.666	1.718
210.200	26.117	27.647	0.065	1.435	1189.665	1.698
210.400	26.060	27.576	0.064	1.436	1189.664	1.677
210.600	26.002	27.506	0.064	1.436	1189.664	1.657
210.800	25.945	27.435	0.063	1.437	1189.663	1.637
211.000	25.888	27.365	0.063	1.437	1189.663	1.617
211.200	25.830	27.294	0.062	1.438	1189.662	1.598
211.400	25.773	27.223	0.061	1.439	1189.661	1.579

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
211.600	25.716	27.153	0.061	1.439	1189.661	1.560
211.800	25.658	27.082	0.060	1.440	1189.660	1.541
212.000	25.601	27.012	0.060	1.440	1189.660	1.522
212.200	25.544	26.941	0.059	1.441	1189.659	1.504
212.400	25.487	26.870	0.059	1.441	1189.659	1.485
212.600	25.429	26.800	0.058	1.442	1189.658	1.468
212.800	25.372	26.729	0.057	1.443	1189.657	1.450
213.000	25.315	26.659	0.057	1.443	1189.657	1.432
213.200	25.257	26.588	0.056	1.444	1189.656	1.415
213.400	25.200	26.517	0.056	1.444	1189.656	1.398
213.600	25.143	26.447	0.055	1.445	1189.655	1.381
213.800	25.085	26.376	0.054	1.446	1189.654	1.364
214.000	25.028	26.306	0.054	1.446	1189.654	1.348
214.200	24.971	26.235	0.053	1.447	1189.653	1.332
214.400	24.913	26.164	0.053	1.447	1189.653	1.316
214.600	24.856	26.094	0.052	1.448	1189.652	1.300
214.800	24.799	26.023	0.051	1.449	1189.651	1.285
215.000	24.742	25.952	0.051	1.449	1189.651	1.269
215.200	24.684	25.882	0.050	1.450	1189.650	1.254
215.400	24.627	25.811	0.050	1.450	1189.650	1.240
215.600	24.570	25.741	0.049	1.451	1189.649	1.225
215.800	24.512	25.670	0.048	1.452	1189.648	1.210
216.000	24.455	25.599	0.048	1.452	1189.648	1.195
216.200	24.398	25.529	0.047	1.453	1189.647	1.180
216.400	24.340	25.458	0.047	1.453	1189.647	1.165
216.600	24.283	25.388	0.046	1.454	1189.646	1.150
216.800	24.226	25.317	0.045	1.455	1189.645	1.135
217.000	24.162	25.246	0.045	1.455	1189.645	1.122
217.200	24.098	25.185	0.044	1.456	1189.644	1.107
217.400	24.035	25.123	0.044	1.456	1189.644	1.094
217.600	23.971	25.061	0.043	1.457	1189.643	1.081
217.800	23.907	24.990	0.043	1.457	1189.643	1.068
218.000	23.844	24.929	0.042	1.458	1189.642	1.055
218.200	23.780	24.867	0.042	1.458	1189.642	1.040
218.400	23.716	24.805	0.041	1.459	1189.641	1.027
218.600	23.653	24.743	0.041	1.459	1189.641	1.014
218.800	23.589	24.673	0.040	1.460	1189.640	1.001
219.000	23.525	24.611	0.039	1.461	1189.639	0.987
219.200	23.462	24.549	0.039	1.461	1189.639	0.973
219.400	23.398	24.487	0.038	1.462	1189.638	0.960
219.600	23.334	24.417	0.038	1.462	1189.638	0.947
219.800	23.271	24.355	0.037	1.463	1189.637	0.934
220.000	23.207	24.293	0.037	1.463	1189.637	0.920
220.200	23.143	24.231	0.036	1.464	1189.636	0.907
220.400	23.080	24.170	0.036	1.464	1189.636	0.893
220.600	23.016	24.099	0.035	1.465	1189.635	0.880
220.800	22.952	24.037	0.035	1.465	1189.635	0.867
221.000	22.889	23.975	0.034	1.466	1189.634	0.853
221.200	22.825	23.914	0.034	1.466	1189.634	0.840
221.400	22.761	23.852	0.033	1.467	1189.633	0.827
221.600	22.698	23.781	0.033	1.467	1189.633	0.813
221.800	22.634	23.720	0.032	1.468	1189.632	0.799
222.000	22.570	23.658	0.031	1.469	1189.631	0.786
222.200	22.505	23.596	0.031	1.469	1189.631	0.773
222.400	22.413	23.525	0.030	1.470	1189.630	0.758
222.600	22.321	23.455	0.030	1.470	1189.630	0.743
222.800	22.229	23.384	0.029	1.471	1189.629	0.728
223.000	22.136	23.314	0.029	1.471	1189.629	0.713
223.200	22.044	23.243	0.028	1.472	1189.628	0.698
223.400	21.952	23.172	0.027	1.473	1189.627	0.683
223.600	21.860	23.102	0.027	1.473	1189.627	0.668
223.800	21.767	23.031	0.026	1.474	1189.626	0.654
224.000	21.675	22.960	0.026	1.474	1189.626	0.639
224.200	21.583	22.890	0.025	1.475	1189.625	0.624
224.400	21.491	22.819	0.024	1.476	1189.624	0.609
224.600	21.398	22.749	0.024	1.476	1189.624	0.594
224.800	21.306	22.678	0.023	1.477	1189.623	0.579
225.000	21.214	22.607	0.023	1.477	1189.623	0.564
225.200	21.122	22.528	0.022	1.478	1189.622	0.546
225.400	21.029	22.440	0.021	1.479	1189.621	0.527
225.600	20.937	22.351	0.020	1.480	1189.620	0.508
225.800	20.845	22.263	0.020	1.480	1189.620	0.490
226.000	20.753	22.175	0.019	1.481	1189.619	0.471
226.200	20.660	22.087	0.018	1.482	1189.618	0.453
226.400	20.568	21.998	0.017	1.483	1189.617	0.434
226.600	20.476	21.910	0.017	1.483	1189.617	0.415
226.800	20.384	21.822	0.016	1.484	1189.616	0.397
227.000	20.291	21.734	0.015	1.485	1189.615	0.378
227.200	20.199	21.645	0.014	1.486	1189.614	0.360
227.400	20.107	21.557	0.014	1.486	1189.614	0.341
227.600	20.015	21.469	0.013	1.487	1189.613	0.322
227.800	19.922	21.381	0.012	1.488	1189.612	0.304
228.000	19.826	21.292	0.011	1.489	1189.611	0.285

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
228.200	19.724	21.204	0.011	1.489	1189.611	0.267
228.400	19.623	21.116	0.010	1.490	1189.610	0.248
228.600	19.521	21.028	0.009	1.491	1189.609	0.229
228.800	19.420	20.939	0.008	1.492	1189.608	0.211
229.000	19.318	20.851	0.008	1.492	1189.608	0.192
229.200	19.217	20.763	0.007	1.493	1189.607	0.174
229.400	19.115	20.675	0.006	1.494	1189.606	0.155
229.600	19.014	20.586	0.005	1.495	1189.605	0.136
229.800	18.912	20.498	0.005	1.495	1189.605	0.118
230.000	18.811	20.410	0.004	1.496	1189.604	0.099
230.200	18.709	20.322	0.003	1.497	1189.603	0.081
230.400	18.608	20.233	0.002	1.498	1189.602	0.062
230.600	18.506	20.145	0.002	1.498	1189.602	0.043
230.800	18.405	20.057	0.001	1.499	1189.601	0.025
231.000	18.303	19.968	0.000	1.500	1189.600	0.006
231.200	18.202	19.898	0.000	1.500	1189.600	0.001
231.400	18.100	19.898	0.000	1.500	1189.600	0.001
231.600	17.999	19.898	0.000	1.500	1189.600	0.001
231.800	17.898	19.898	0.000	1.500	1189.600	0.001
232.000	17.796	19.898	0.000	1.500	1189.600	0.001
232.200	17.695	19.898	0.000	1.500	1189.600	0.001
232.400	17.593	19.898	0.000	1.500	1189.600	0.001
232.600	17.492	19.898	0.000	1.500	1189.600	0.001
232.800	17.390	19.898	0.000	1.500	1189.600	0.001
233.000	17.289	19.898	0.000	1.500	1189.600	0.001
233.200	17.187	19.898	0.000	1.500	1189.600	0.001
233.400	17.086	19.898	0.000	1.500	1189.600	0.001
233.600	16.984	19.898	0.000	1.500	1189.600	0.001
233.800	16.883	19.898	0.000	1.500	1189.600	0.001
234.000	16.781	19.898	0.000	1.500	1189.600	0.001
234.200	16.680	19.898	0.000	1.500	1189.600	0.001
234.400	16.578	19.898	0.000	1.500	1189.600	0.001
234.600	16.477	19.898	0.000	1.500	1189.600	0.001
234.800	16.375	19.898	0.000	1.500	1189.600	0.001
235.000	16.274	19.898	0.000	1.500	1189.600	0.001
235.200	16.173	19.898	0.000	1.500	1189.600	0.001
235.400	16.071	19.898	0.000	1.500	1189.600	0.001
235.600	15.970	19.898	0.000	1.500	1189.600	0.001
235.800	15.868	19.898	0.000	1.500	1189.600	0.001
236.000	15.767	19.898	0.000	1.500	1189.600	0.001
236.200	15.665	19.898	0.000	1.500	1189.600	0.001
236.400	15.564	19.898	0.000	1.500	1189.600	0.001
236.600	15.462	19.898	0.000	1.500	1189.600	0.001
236.800	15.361	19.898	0.000	1.500	1189.600	0.001
237.000	15.255	19.898	0.000	1.500	1189.600	0.001
237.200	15.144	19.898	0.000	1.500	1189.600	0.001
237.400	15.033	19.898	0.000	1.500	1189.600	0.001
237.600	14.923	19.898	0.000	1.500	1189.600	0.001
237.800	14.812	19.898	0.000	1.500	1189.600	0.001
238.000	14.701	19.898	0.000	1.500	1189.600	0.001
238.200	14.590	19.898	0.000	1.500	1189.600	0.001
238.400	14.480	19.898	0.000	1.500	1189.600	0.001
238.600	14.369	19.898	0.000	1.500	1189.600	0.001
238.800	14.258	19.898	0.000	1.500	1189.600	0.001
239.000	14.148	19.898	0.000	1.500	1189.600	0.001
239.200	14.037	19.898	0.000	1.500	1189.600	0.001
239.400	13.926	19.898	0.000	1.500	1189.600	0.001
239.600	13.816	19.898	0.000	1.500	1189.600	0.001
239.800	13.705	19.898	0.000	1.500	1189.600	0.001
240.000	13.594	19.898	0.000	1.500	1189.600	0.001
240.200	13.484	19.898	0.000	1.500	1189.600	0.001
240.400	13.373	19.898	0.000	1.500	1189.600	0.001
240.600	13.262	19.898	0.000	1.500	1189.600	0.001
240.800	13.151	19.898	0.000	1.500	1189.600	0.001
241.000	13.032	19.898	0.000	1.500	1189.600	0.001
241.200	12.879	19.898	0.000	1.500	1189.600	0.001
241.400	12.726	19.898	0.000	1.500	1189.600	0.001
241.600	12.573	19.898	0.000	1.500	1189.600	0.001
241.800	12.420	19.898	0.000	1.500	1189.600	0.001
242.000	12.266	19.898	0.000	1.500	1189.600	0.001
242.200	12.113	19.898	0.000	1.500	1189.600	0.001
242.400	11.960	19.898	0.000	1.500	1189.600	0.001
242.600	11.807	19.898	0.000	1.500	1189.600	0.001
242.800	11.654	19.898	0.000	1.500	1189.600	0.001
243.000	11.501	19.898	0.000	1.500	1189.600	0.001
243.200	11.348	19.898	0.000	1.500	1189.600	0.001
243.400	11.195	19.898	0.000	1.500	1189.600	0.001
243.600	11.042	19.898	0.000	1.500	1189.600	0.001
243.800	10.889	19.898	0.000	1.500	1189.600	0.001
244.000	10.736	19.898	0.000	1.500	1189.600	0.001
244.200	10.582	19.898	0.000	1.500	1189.600	0.001
244.400	10.429	19.898	0.000	1.500	1189.600	0.001
244.600	10.276	19.898	0.000	1.500	1189.600	0.001

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
244.800	10.123	19.898	0.000	1.500	1189.600	0.001
245.000	9.970	19.898	0.000	1.500	1189.600	0.001
245.200	9.817	19.898	0.000	1.500	1189.600	0.001
245.400	9.664	19.898	0.000	1.500	1189.600	0.001
245.600	9.511	19.898	0.000	1.500	1189.600	0.001
245.800	9.358	19.898	0.000	1.500	1189.600	0.001
246.000	9.205	19.898	0.000	1.500	1189.600	0.001
246.200	9.052	19.898	0.000	1.500	1189.600	0.001
246.400	8.898	19.898	0.000	1.500	1189.600	0.001
246.600	8.745	19.898	0.000	1.500	1189.600	0.001
246.800	8.592	19.898	0.000	1.500	1189.600	0.001
247.000	8.439	19.898	0.000	1.500	1189.600	0.001
247.200	8.286	19.898	0.000	1.500	1189.600	0.001
247.400	8.133	19.898	0.000	1.500	1189.600	0.001
247.600	7.980	19.898	0.000	1.500	1189.600	0.001
247.800	7.827	19.898	0.000	1.500	1189.600	0.001
248.000	7.667	19.898	0.000	1.500	1189.600	0.001
248.200	7.501	19.898	0.000	1.500	1189.600	0.001
248.400	7.336	19.898	0.000	1.500	1189.600	0.001
248.600	7.170	19.898	0.000	1.500	1189.600	0.001
248.800	7.004	19.898	0.000	1.500	1189.600	0.001
249.000	6.838	19.898	0.000	1.500	1189.600	0.001
249.200	6.672	19.898	0.000	1.500	1189.600	0.001
249.400	6.506	19.898	0.000	1.500	1189.600	0.001
249.600	6.341	19.898	0.000	1.500	1189.600	0.001
249.800	6.175	19.898	0.000	1.500	1189.600	0.001
250.000	6.009	19.898	0.000	1.500	1189.600	0.001
250.200	5.843	19.898	0.000	1.500	1189.600	0.001
250.400	5.677	19.898	0.000	1.500	1189.600	0.001
250.600	5.511	19.898	0.000	1.500	1189.600	0.001
250.800	5.345	19.898	0.000	1.500	1189.600	0.001
251.000	5.180	19.898	0.000	1.500	1189.600	0.001
251.200	5.014	19.898	0.000	1.500	1189.600	0.001
251.400	4.848	19.898	0.000	1.500	1189.600	0.001
251.600	4.682	19.898	0.000	1.500	1189.600	0.001
251.800	4.516	19.898	0.000	1.500	1189.600	0.001
252.000	4.350	19.898	0.000	1.500	1189.600	0.001
252.200	4.184	19.898	0.000	1.500	1189.600	0.001
252.400	4.019	19.898	0.000	1.500	1189.600	0.001
252.600	3.866	19.898	0.000	1.500	1189.600	0.001
252.800	3.712	19.898	0.000	1.500	1189.600	0.001
253.000	3.559	19.898	0.000	1.500	1189.600	0.001
253.200	3.406	19.898	0.000	1.500	1189.600	0.001
253.400	3.253	19.898	0.000	1.500	1189.600	0.001
253.600	3.100	19.898	0.000	1.500	1189.600	0.001
253.800	2.947	19.898	0.000	1.500	1189.600	0.001
254.000	2.794	19.898	0.000	1.500	1189.600	0.001
254.200	2.647	19.898	0.000	1.500	1189.600	0.001
254.400	2.507	19.898	0.000	1.500	1189.600	0.001
254.600	2.367	19.898	0.000	1.500	1189.600	0.001
254.800	2.226	19.898	0.000	1.500	1189.600	0.001
255.000	2.086	19.898	0.000	1.500	1189.600	0.001
255.200	1.946	19.898	0.000	1.500	1189.600	0.001
255.400	1.818	19.898	0.000	1.500	1189.600	0.001
255.600	1.690	19.898	0.000	1.500	1189.600	0.001
255.800	1.563	19.898	0.000	1.500	1189.600	0.001
256.000	1.442	19.898	0.000	1.500	1189.600	0.001
256.200	1.327	19.898	0.000	1.500	1189.600	0.001
256.400	1.212	19.898	0.000	1.500	1189.600	0.001
256.600	1.104	19.898	0.000	1.500	1189.600	0.001
256.800	1.001	19.898	0.000	1.500	1189.600	0.001
257.000	0.899	19.898	0.000	1.500	1189.600	0.001
257.200	0.804	19.898	0.000	1.500	1189.600	0.001
257.400	0.714	19.898	0.000	1.500	1189.600	0.001
257.600	0.632	19.898	0.000	1.500	1189.600	0.001
257.800	0.555	19.898	0.000	1.500	1189.600	0.001
258.000	0.485	19.898	0.000	1.500	1189.600	0.001
258.200	0.421	19.898	0.000	1.500	1189.600	0.001
258.400	0.364	19.898	0.000	1.500	1189.600	0.001
258.600	0.313	19.898	0.000	1.500	1189.600	0.001
258.800	0.268	19.898	0.000	1.500	1189.600	0.001
259.000	0.230	19.898	0.000	1.500	1189.600	0.001
259.200	0.191	19.898	0.000	1.500	1189.600	0.001
259.400	0.166	19.898	0.000	1.500	1189.600	0.001
259.600	0.140	19.898	0.000	1.500	1189.600	0.001
259.800	0.115	19.898	0.000	1.500	1189.600	0.001
260.000	0.102	19.898	0.000	1.500	1189.600	0.001
260.200	0.089	19.898	0.000	1.500	1189.600	0.001
260.400	0.077	19.898	0.000	1.500	1189.600	0.001
260.600	0.064	19.898	0.000	1.500	1189.600	0.001
260.800	0.051	19.898	0.000	1.500	1189.600	0.001
261.000	0.051	19.898	0.000	1.500	1189.600	0.001





ARQUITETURA + URBANISMO
 CLN nº 01 B 8 SL 200 - CEP 70.743-900
 BRASÍLIA - DF - FONE: 01 3014 3700

CANAL: PO-09A

DATA: 18.12.2019

IMPULT DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	135.475	COTA DE FUNDO JUSANTE (m)	1185.150		
VAZÃO DE SAÍDA MAX. (l/s)	26.40	31.490	COTA VERTEDOIRO (m)	1183.650		
PROFUNDIDADE MAX. (m)	26.40	0.528	COTA DO ORIFÍCIO (m)	1183.650		
FREEBOARD MIN. (m)	26.40	0.972	VERTEDOIRO DE CONTROLE (cm)	-		
NA MAX. (m)	26.40	1,184.178	VERTEDOIRO DE DESCARGA (cm)	400.00		
VOLUME MAX (m³)	26.40	84.75	DRENO DE FUNDO 3X Ø (mm)	150.00		
VOLUME TOTAL (m³)		483.99	COEF. DE DESCARGA DO VERTEDOIRO	1.660		
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO	0.130		
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1183.650	0.000
0.200	1.806	0.051	0.002	1.498	1183.652	0.001
0.400	3.613	0.376	0.007	1.493	1183.657	0.013
0.600	5.419	0.823	0.012	1.488	1183.662	0.043
0.800	7.225	1.295	0.018	1.482	1183.668	0.090
1.000	9.032	1.780	0.024	1.476	1183.674	0.155
1.200	10.838	2.271	0.029	1.471	1183.679	0.241
1.400	12.644	2.768	0.035	1.465	1183.685	0.345
1.600	14.451	3.266	0.041	1.459	1183.691	0.468
1.800	16.257	3.763	0.047	1.453	1183.697	0.610
2.000	18.063	4.261	0.053	1.447	1183.703	0.770
2.200	19.870	4.759	0.058	1.442	1183.708	0.948
2.400	21.676	5.243	0.064	1.436	1183.714	1.141
2.600	23.482	5.722	0.070	1.430	1183.720	1.347
2.800	25.289	6.194	0.075	1.425	1183.725	1.571
3.000	27.095	6.666	0.081	1.419	1183.731	1.812
3.200	28.901	7.138	0.086	1.414	1183.736	2.070
3.400	30.708	7.610	0.091	1.409	1183.741	2.342
3.600	32.514	8.069	0.097	1.403	1183.747	2.627
3.800	34.320	8.528	0.102	1.398	1183.752	2.928
4.000	36.127	8.988	0.108	1.392	1183.758	3.246
4.200	37.933	9.447	0.113	1.387	1183.763	3.582
4.400	39.739	9.906	0.118	1.382	1183.768	3.934
4.600	41.546	10.366	0.124	1.376	1183.774	4.303
4.800	43.352	10.825	0.129	1.371	1183.779	4.689
5.000	45.158	11.284	0.134	1.366	1183.784	5.093
5.200	46.965	11.743	0.140	1.360	1183.790	5.513
5.400	48.771	12.203	0.145	1.355	1183.795	5.950
5.600	50.577	12.662	0.150	1.350	1183.800	6.405
5.800	52.384	13.105	0.156	1.344	1183.806	6.876
6.000	54.190	13.437	0.161	1.339	1183.811	7.365
6.200	55.996	13.769	0.166	1.334	1183.816	7.872
6.400	57.803	14.102	0.172	1.328	1183.822	8.396
6.600	59.609	14.434	0.177	1.323	1183.827	8.938
6.800	61.415	14.766	0.183	1.317	1183.833	9.497
7.000	63.222	15.098	0.188	1.312	1183.838	10.074
7.200	65.028	15.430	0.193	1.307	1183.843	10.668
7.400	66.834	15.762	0.199	1.301	1183.849	11.280
7.600	68.641	16.094	0.204	1.296	1183.854	11.910
7.800	70.447	16.426	0.209	1.291	1183.859	12.557
8.000	72.253	16.758	0.215	1.285	1183.865	13.223
8.200	74.059	17.090	0.220	1.280	1183.870	13.907
8.400	75.866	17.422	0.225	1.275	1183.875	14.608
8.600	77.672	17.755	0.231	1.269	1183.881	15.328
8.800	79.478	18.087	0.236	1.264	1183.886	16.066
9.000	81.285	18.419	0.241	1.259	1183.891	16.822
9.200	83.091	18.751	0.247	1.253	1183.897	17.596
9.400	84.897	19.083	0.252	1.248	1183.902	18.388
9.600	86.704	19.415	0.258	1.242	1183.908	19.199
9.800	88.510	19.747	0.263	1.237	1183.913	20.028
10.000	90.316	20.079	0.268	1.232	1183.918	20.876
10.200	92.123	20.411	0.274	1.226	1183.924	21.742
10.400	93.929	20.743	0.279	1.221	1183.929	22.627
10.600	95.735	21.071	0.284	1.216	1183.934	23.505
10.800	97.542	21.394	0.289	1.211	1183.939	24.401
11.000	99.348	21.717	0.295	1.205	1183.945	25.314
11.200	101.154	22.039	0.300	1.200	1183.950	26.245
11.400	102.961	22.362	0.305	1.195	1183.955	27.194
11.600	104.767	22.631	0.310	1.190	1183.960	28.160
11.800	106.573	22.857	0.316	1.184	1183.966	29.174
12.000	108.380	23.086	0.321	1.179	1183.971	30.206
12.200	110.186	23.315	0.326	1.174	1183.976	31.257
12.400	111.992	23.545	0.332	1.168	1183.982	32.328
12.600	113.799	23.774	0.337	1.163	1183.987	33.417
12.800	115.605	24.003	0.342	1.158	1183.992	34.526
13.000	117.411	24.232	0.348	1.152	1183.998	35.654
13.200	119.218	24.461	0.353	1.147	1184.003	36.801

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	121.024	24.691	0.358	1.142	1184.008	37.967
13.600	122.830	24.917	0.364	1.136	1184.014	39.137
13.800	124.637	25.143	0.369	1.131	1184.019	40.309
14.000	126.443	25.369	0.374	1.126	1184.024	41.516
14.200	128.249	25.592	0.379	1.121	1184.029	42.725
14.400	130.056	25.818	0.385	1.115	1184.035	43.971
14.600	131.862	26.040	0.390	1.110	1184.040	45.235
14.800	133.668	26.266	0.395	1.105	1184.045	46.501
15.000	135.475	26.489	0.401	1.099	1184.051	47.803
15.200	133.669	26.715	0.406	1.094	1184.056	49.106
15.400	131.862	26.935	0.411	1.089	1184.061	50.371
15.600	130.056	27.145	0.416	1.084	1184.066	51.615
15.800	128.250	27.349	0.420	1.080	1184.070	52.837
16.000	126.443	27.546	0.425	1.075	1184.075	54.034
16.200	124.637	27.737	0.429	1.071	1184.079	55.206
16.400	122.831	27.922	0.433	1.067	1184.083	56.351
16.600	121.024	28.100	0.438	1.062	1184.088	57.488
16.800	119.218	28.275	0.442	1.058	1184.092	58.596
17.000	117.412	28.444	0.445	1.055	1184.095	59.674
17.200	115.605	28.606	0.449	1.051	1184.099	60.720
17.400	113.799	28.766	0.453	1.047	1184.103	61.755
17.600	111.993	28.918	0.456	1.044	1184.106	62.776
17.800	110.186	29.061	0.460	1.040	1184.110	63.763
18.000	108.380	29.177	0.463	1.037	1184.113	64.714
18.200	106.574	29.291	0.466	1.034	1184.116	65.649
18.400	104.767	29.400	0.469	1.031	1184.119	66.569
18.600	102.961	29.506	0.472	1.028	1184.122	67.451
18.800	101.155	29.610	0.475	1.025	1184.125	68.316
19.000	99.348	29.708	0.478	1.022	1184.128	69.165
19.200	97.542	29.807	0.481	1.019	1184.131	69.995
19.400	95.736	29.900	0.484	1.016	1184.134	70.808
19.600	93.929	29.991	0.486	1.014	1184.136	71.580
19.800	92.123	30.079	0.489	1.011	1184.139	72.333
20.000	90.317	30.161	0.491	1.009	1184.141	73.067
20.200	88.510	30.244	0.493	1.007	1184.143	73.782
20.400	86.704	30.322	0.495	1.005	1184.145	74.476
20.600	84.898	30.397	0.498	1.002	1184.148	75.127
20.800	83.091	30.470	0.500	1.000	1184.150	75.781
21.000	81.285	30.539	0.502	0.998	1184.152	76.390
21.200	79.479	30.607	0.504	0.996	1184.154	77.000
21.400	77.672	30.672	0.505	0.995	1184.155	77.563
21.600	75.866	30.734	0.507	0.993	1184.157	78.127
21.800	74.060	30.793	0.509	0.991	1184.159	78.645
22.000	72.253	30.850	0.510	0.990	1184.160	79.163
22.200	70.447	30.905	0.512	0.988	1184.162	79.635
22.400	68.641	30.956	0.513	0.987	1184.163	80.106
22.600	66.834	31.006	0.515	0.985	1184.165	80.531
22.800	65.028	31.052	0.516	0.984	1184.166	80.957
23.000	63.222	31.099	0.517	0.983	1184.167	81.359
23.200	61.415	31.140	0.518	0.982	1184.168	81.737
23.400	59.609	31.182	0.520	0.980	1184.170	82.093
23.600	57.803	31.218	0.521	0.979	1184.171	82.424
23.800	55.996	31.254	0.522	0.978	1184.172	82.733
24.000	54.190	31.285	0.522	0.978	1184.172	83.017
24.200	52.384	31.316	0.523	0.977	1184.173	83.278
24.400	50.577	31.342	0.524	0.976	1184.174	83.516
24.600	48.771	31.368	0.525	0.975	1184.175	83.753
24.800	46.965	31.391	0.525	0.975	1184.175	83.943
25.000	45.158	31.412	0.526	0.974	1184.176	84.134
25.200	43.352	31.430	0.526	0.974	1184.176	84.276
25.400	41.546	31.446	0.527	0.973	1184.177	84.419
25.600	39.739	31.459	0.527	0.973	1184.177	84.514
25.800	37.933	31.469	0.527	0.973	1184.177	84.609
26.000	36.127	31.479	0.528	0.972	1184.178	84.681
26.200	34.320	31.485	0.528	0.972	1184.178	84.728
26.400	32.514	31.490	0.528	0.972	1184.178	84.752
26.600	30.708	31.490	0.528	0.972	1184.178	84.752
26.800	28.901	31.490	0.528	0.972	1184.178	84.728
27.000	27.095	31.485	0.528	0.972	1184.178	84.681
27.200	25.289	31.479	0.528	0.972	1184.178	84.633
27.400	23.482	31.472	0.527	0.973	1184.177	84.538
27.600	21.676	31.461	0.527	0.973	1184.177	84.443
27.800	19.870	31.448	0.527	0.974	1184.177	84.300
28.000	18.064	31.433	0.526	0.974	1184.176	84.157
28.200	16.257	31.417	0.526	0.974	1184.176	83.991
28.400	14.451	31.397	0.525	0.975	1184.175	83.801
28.600	12.645	31.376	0.524	0.976	1184.174	83.587
28.800	10.838	31.350	0.524	0.976	1184.174	83.350
29.000	9.032	31.324	0.523	0.977	1184.173	83.088
29.200	7.226	31.293	0.522	0.978	1184.172	82.804
29.400	5.419	31.262	0.521	0.979	1184.171	82.519
29.600	3.613	31.228	0.520	0.980	1184.170	82.187
29.800	1.807	31.192	0.519	0.981	1184.169	81.856

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	0.000	31.153	0.518	0.982	1184.168	81.477
30.200	0.000	31.112	0.516	0.984	1184.166	81.099
30.400	0.000	31.070	0.515	0.985	1184.165	80.720
30.600	0.000	31.029	0.514	0.986	1184.164	80.342
30.800	0.000	30.987	0.513	0.987	1184.163	79.965
31.000	0.000	30.946	0.512	0.988	1184.162	79.587
31.200	0.000	30.905	0.511	0.990	1184.161	79.210
31.400	0.000	30.863	0.509	0.991	1184.159	78.833
31.600	0.000	30.822	0.508	0.992	1184.158	78.457
31.800	0.000	30.780	0.507	0.993	1184.157	78.080
32.000	0.000	30.739	0.506	0.994	1184.156	77.704
32.200	0.000	30.697	0.505	0.995	1184.155	77.329
32.400	0.000	30.656	0.503	0.997	1184.153	76.953
32.600	0.000	30.615	0.502	0.998	1184.152	76.578
32.800	0.000	30.573	0.501	0.999	1184.151	76.203
33.000	0.000	30.532	0.500	1.000	1184.150	75.828
33.200	0.000	30.490	0.499	1.001	1184.149	75.454
33.400	0.000	30.449	0.497	1.003	1184.147	75.081
33.600	0.000	30.407	0.496	1.004	1184.146	74.708
33.800	0.000	30.366	0.495	1.005	1184.145	74.337
34.000	0.000	30.325	0.494	1.006	1184.144	73.967
34.200	0.000	30.283	0.493	1.007	1184.143	73.597
34.400	0.000	30.242	0.491	1.009	1184.141	73.228
34.600	0.000	30.200	0.490	1.010	1184.140	72.860
34.800	0.000	30.159	0.489	1.011	1184.139	72.494
35.000	0.000	30.117	0.488	1.012	1184.138	72.128
35.200	0.000	30.076	0.487	1.013	1184.137	71.762
35.400	0.000	30.035	0.486	1.015	1184.136	71.398
35.600	0.000	29.993	0.484	1.016	1184.134	71.035
35.800	0.000	29.952	0.483	1.017	1184.133	70.673
36.000	0.000	29.910	0.482	1.018	1184.132	70.311
36.200	0.000	29.869	0.481	1.019	1184.131	69.950
36.400	0.000	29.827	0.480	1.020	1184.130	69.591
36.600	0.000	29.786	0.478	1.022	1184.128	69.232
36.800	0.000	29.745	0.477	1.023	1184.127	68.874
37.000	0.000	29.703	0.476	1.024	1184.126	68.517
37.200	0.000	29.662	0.475	1.025	1184.125	68.161
37.400	0.000	29.620	0.474	1.026	1184.124	67.805
37.600	0.000	29.579	0.472	1.028	1184.122	67.451
37.800	0.000	29.537	0.471	1.029	1184.121	67.098
38.000	0.000	29.496	0.470	1.030	1184.120	66.745
38.200	0.000	29.454	0.469	1.031	1184.119	66.393
38.400	0.000	29.413	0.468	1.032	1184.118	66.043
38.600	0.000	29.372	0.466	1.034	1184.116	65.693
38.800	0.000	29.330	0.465	1.035	1184.115	65.344
39.000	0.000	29.289	0.464	1.036	1184.114	64.996
39.200	0.000	29.247	0.463	1.037	1184.113	64.649
39.400	0.000	29.206	0.462	1.038	1184.112	64.302
39.600	0.000	29.164	0.461	1.040	1184.111	63.957
39.800	0.000	29.123	0.459	1.041	1184.109	63.612
40.000	0.000	29.082	0.458	1.042	1184.108	63.269
40.200	0.000	29.040	0.457	1.043	1184.107	62.926
40.400	0.000	28.992	0.456	1.044	1184.106	62.584
40.600	0.000	28.941	0.455	1.045	1184.105	62.243
40.800	0.000	28.890	0.453	1.047	1184.103	61.903
41.000	0.000	28.839	0.452	1.048	1184.102	61.564
41.200	0.000	28.788	0.451	1.049	1184.101	61.226
41.400	0.000	28.737	0.450	1.050	1184.100	60.889
41.600	0.000	28.686	0.449	1.051	1184.099	60.552
41.800	0.000	28.635	0.447	1.053	1184.097	60.217
42.000	0.000	28.584	0.446	1.054	1184.096	59.883
42.200	0.000	28.533	0.445	1.055	1184.095	59.549
42.400	0.000	28.482	0.444	1.056	1184.094	59.217
42.600	0.000	28.431	0.443	1.057	1184.093	58.885
42.800	0.000	28.380	0.441	1.059	1184.091	58.555
43.000	0.000	28.329	0.440	1.060	1184.090	58.226
43.200	0.000	28.278	0.439	1.061	1184.089	57.897
43.400	0.000	28.228	0.438	1.062	1184.088	57.570
43.600	0.000	28.177	0.437	1.063	1184.087	57.243
43.800	0.000	28.126	0.435	1.065	1184.085	56.918
44.000	0.000	28.075	0.434	1.066	1184.084	56.594
44.200	0.000	28.024	0.433	1.067	1184.083	56.270
44.400	0.000	27.973	0.432	1.068	1184.082	55.948
44.600	0.000	27.922	0.431	1.069	1184.081	55.626
44.800	0.000	27.871	0.430	1.070	1184.080	55.306
45.000	0.000	27.820	0.428	1.072	1184.078	54.986
45.200	0.000	27.769	0.427	1.073	1184.077	54.668
45.400	0.000	27.718	0.426	1.074	1184.076	54.351
45.600	0.000	27.667	0.425	1.075	1184.075	54.034
45.800	0.000	27.616	0.424	1.076	1184.074	53.719
46.000	0.000	27.565	0.422	1.078	1184.072	53.404
46.200	0.000	27.514	0.421	1.079	1184.071	53.091
46.400	0.000	27.463	0.420	1.080	1184.070	52.778

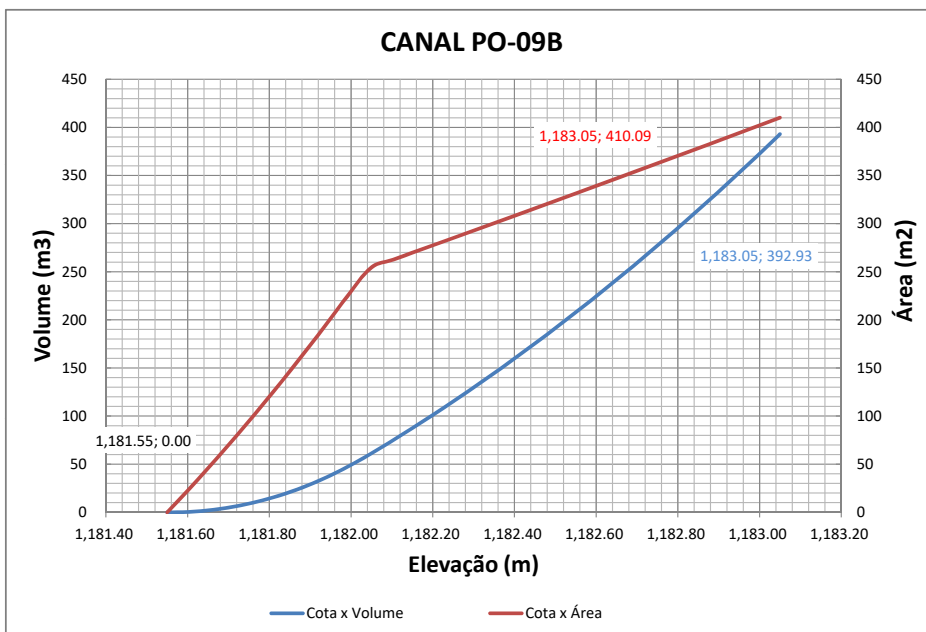
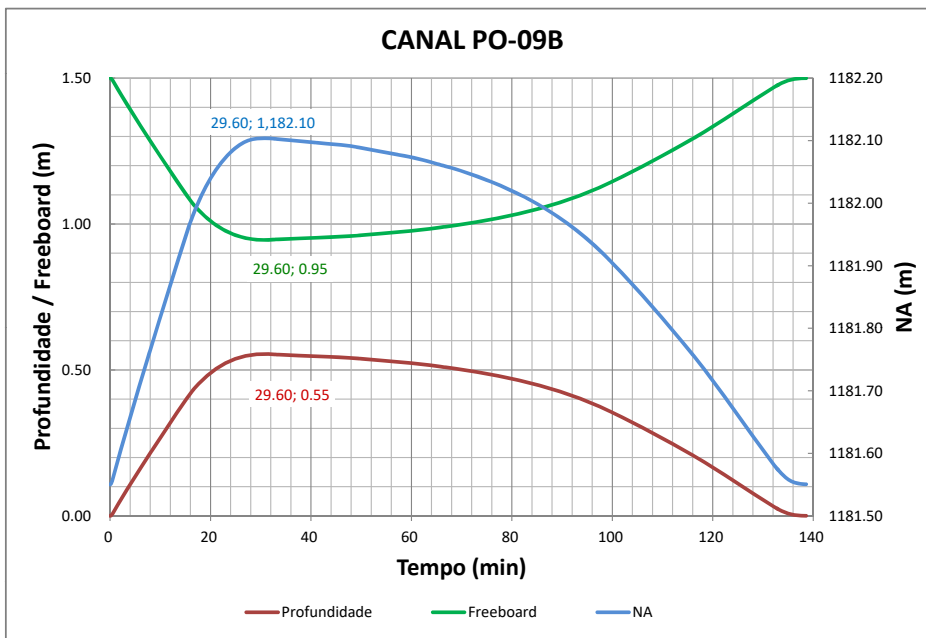
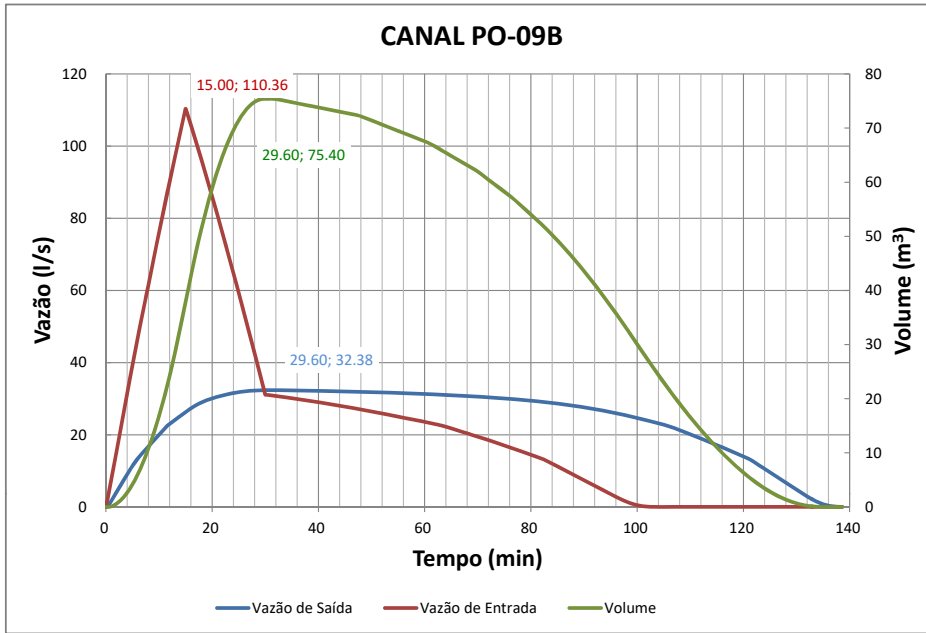
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
46.600	0.000	27.413	0.419	1.081	1184.069	52.467
46.800	0.000	27.362	0.418	1.082	1184.068	52.156
47.000	0.000	27.311	0.416	1.084	1184.066	51.847
47.200	0.000	27.260	0.415	1.085	1184.065	51.538
47.400	0.000	27.209	0.414	1.086	1184.064	51.231
47.600	0.000	27.155	0.413	1.087	1184.063	50.886
47.800	0.000	27.097	0.411	1.089	1184.061	50.543
48.000	0.000	27.040	0.410	1.090	1184.060	50.200
48.200	0.000	26.983	0.409	1.091	1184.059	49.859
48.400	0.000	26.925	0.407	1.093	1184.057	49.520
48.600	0.000	26.868	0.406	1.094	1184.056	49.181
48.800	0.000	26.811	0.405	1.095	1184.055	48.844
49.000	0.000	26.754	0.403	1.097	1184.053	48.508
49.200	0.000	26.696	0.402	1.098	1184.052	48.174
49.400	0.000	26.639	0.401	1.099	1184.051	47.840
49.600	0.000	26.582	0.399	1.101	1184.049	47.508
49.800	0.000	26.524	0.398	1.102	1184.048	47.177
50.000	0.000	26.467	0.397	1.103	1184.047	46.847
50.200	0.000	26.410	0.395	1.105	1184.045	46.519
50.400	0.000	26.352	0.394	1.106	1184.044	46.192
50.600	0.000	26.295	0.393	1.107	1184.043	45.866
50.800	0.000	26.238	0.391	1.109	1184.041	45.541
51.000	0.000	26.181	0.390	1.110	1184.040	45.217
51.200	0.000	26.123	0.389	1.111	1184.039	44.895
51.400	0.000	26.066	0.387	1.113	1184.037	44.574
51.600	0.000	26.009	0.386	1.114	1184.036	44.254
51.800	0.000	25.951	0.385	1.115	1184.035	43.935
52.000	0.000	25.894	0.383	1.117	1184.033	43.618
52.200	0.000	25.837	0.382	1.118	1184.032	43.302
52.400	0.000	25.779	0.381	1.119	1184.031	42.987
52.600	0.000	25.722	0.379	1.121	1184.029	42.673
52.800	0.000	25.665	0.378	1.122	1184.028	42.361
53.000	0.000	25.607	0.377	1.123	1184.027	42.049
53.200	0.000	25.550	0.375	1.125	1184.025	41.739
53.400	0.000	25.493	0.374	1.126	1184.024	41.430
53.600	0.000	25.436	0.373	1.127	1184.023	41.123
53.800	0.000	25.378	0.371	1.129	1184.021	40.817
54.000	0.000	25.321	0.370	1.130	1184.020	40.511
54.200	0.000	25.264	0.369	1.131	1184.019	40.207
54.400	0.000	25.206	0.367	1.133	1184.017	39.905
54.600	0.000	25.149	0.366	1.134	1184.016	39.603
54.800	0.000	25.092	0.365	1.136	1184.015	39.303
55.000	0.000	25.034	0.363	1.137	1184.013	39.004
55.200	0.000	24.977	0.362	1.138	1184.012	38.706
55.400	0.000	24.920	0.360	1.140	1184.010	38.410
55.600	0.000	24.863	0.359	1.141	1184.009	38.114
55.800	0.000	24.805	0.358	1.142	1184.008	37.820
56.000	0.000	24.748	0.356	1.144	1184.006	37.527
56.200	0.000	24.691	0.355	1.145	1184.005	37.236
56.400	0.000	24.633	0.354	1.146	1184.004	36.945
56.600	0.000	24.576	0.352	1.148	1184.002	36.656
56.800	0.000	24.519	0.351	1.149	1184.001	36.368
57.000	0.000	24.461	0.350	1.150	1184.000	36.082
57.200	0.000	24.404	0.348	1.152	1183.998	35.796
57.400	0.000	24.347	0.347	1.153	1183.997	35.512
57.600	0.000	24.290	0.346	1.154	1183.996	35.228
57.800	0.000	24.232	0.344	1.156	1183.994	34.947
58.000	0.000	24.175	0.343	1.157	1183.993	34.666
58.200	0.000	24.118	0.342	1.158	1183.992	34.386
58.400	0.000	24.060	0.340	1.160	1183.990	34.108
58.600	0.000	24.003	0.339	1.161	1183.989	33.831
58.800	0.000	23.946	0.338	1.162	1183.988	33.555
59.000	0.000	23.888	0.336	1.164	1183.986	33.280
59.200	0.000	23.831	0.335	1.165	1183.985	33.006
59.400	0.000	23.774	0.334	1.166	1183.984	32.734
59.600	0.000	23.716	0.332	1.168	1183.982	32.463
59.800	0.000	23.659	0.331	1.169	1183.981	32.193
60.000	0.000	23.602	0.330	1.170	1183.980	31.924
60.200	0.000	23.545	0.328	1.172	1183.978	31.641
60.400	0.000	23.481	0.327	1.173	1183.977	31.346
60.600	0.000	23.417	0.325	1.175	1183.975	31.051
60.800	0.000	23.354	0.324	1.176	1183.974	30.758
61.000	0.000	23.290	0.322	1.178	1183.972	30.467
61.200	0.000	23.226	0.321	1.179	1183.971	30.177
61.400	0.000	23.163	0.319	1.181	1183.969	29.888
61.600	0.000	23.099	0.318	1.182	1183.968	29.601
61.800	0.000	23.035	0.316	1.184	1183.966	29.316
62.000	0.000	22.972	0.315	1.185	1183.965	29.032
62.200	0.000	22.908	0.313	1.187	1183.963	28.749
62.400	0.000	22.844	0.312	1.188	1183.962	28.468
62.600	0.000	22.781	0.310	1.190	1183.960	28.188
62.800	0.000	22.717	0.309	1.191	1183.959	27.910
63.000	0.000	22.653	0.307	1.193	1183.957	27.633

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
63.200	0.000	22.589	0.306	1.194	1183.956	27.358
63.400	0.000	22.526	0.304	1.196	1183.954	27.084
63.600	0.000	22.441	0.303	1.197	1183.953	26.812
63.800	0.000	22.348	0.301	1.199	1183.951	26.541
64.000	0.000	22.256	0.300	1.200	1183.950	26.272
64.200	0.000	22.164	0.299	1.202	1183.949	26.004
64.400	0.000	22.072	0.297	1.203	1183.947	25.738
64.600	0.000	21.979	0.296	1.204	1183.946	25.473
64.800	0.000	21.887	0.294	1.206	1183.944	25.209
65.000	0.000	21.795	0.293	1.207	1183.943	24.947
65.200	0.000	21.703	0.291	1.209	1183.941	24.686
65.400	0.000	21.610	0.290	1.210	1183.940	24.427
65.600	0.000	21.518	0.288	1.212	1183.938	24.169
65.800	0.000	21.426	0.287	1.213	1183.937	23.913
66.000	0.000	21.334	0.285	1.215	1183.935	23.658
66.200	0.000	21.242	0.284	1.216	1183.934	23.404
66.400	0.000	21.149	0.282	1.218	1183.932	23.152
66.600	0.000	21.057	0.281	1.219	1183.931	22.901
66.800	0.000	20.965	0.279	1.221	1183.929	22.652
67.000	0.000	20.873	0.278	1.222	1183.928	22.404
67.200	0.000	20.780	0.276	1.224	1183.926	22.158
67.400	0.000	20.688	0.275	1.225	1183.925	21.913
67.600	0.000	20.596	0.273	1.227	1183.923	21.669
67.800	0.000	20.504	0.272	1.228	1183.922	21.427
68.000	0.000	20.411	0.270	1.230	1183.920	21.187
68.200	0.000	20.319	0.269	1.231	1183.919	20.947
68.400	0.000	20.227	0.267	1.233	1183.917	20.710
68.600	0.000	20.135	0.266	1.234	1183.916	20.473
68.800	0.000	20.042	0.264	1.236	1183.914	20.238
69.000	0.000	19.950	0.263	1.237	1183.913	20.005
69.200	0.000	19.858	0.261	1.239	1183.911	19.773
69.400	0.000	19.766	0.260	1.240	1183.910	19.542
69.600	0.000	19.673	0.258	1.242	1183.908	19.313
69.800	0.000	19.581	0.257	1.243	1183.907	19.085
70.000	0.000	19.489	0.255	1.245	1183.905	18.859
70.200	0.000	19.397	0.254	1.246	1183.904	18.634
70.400	0.000	19.304	0.252	1.248	1183.902	18.411
70.600	0.000	19.212	0.251	1.249	1183.901	18.189
70.800	0.000	19.120	0.249	1.251	1183.899	17.968
71.000	0.000	19.028	0.248	1.252	1183.898	17.749
71.200	0.000	18.935	0.246	1.254	1183.896	17.531
71.400	0.000	18.843	0.245	1.255	1183.895	17.315
71.600	0.000	18.751	0.243	1.257	1183.893	17.100
71.800	0.000	18.659	0.242	1.258	1183.892	16.886
72.000	0.000	18.566	0.240	1.260	1183.890	16.674
72.200	0.000	18.469	0.239	1.261	1183.889	16.442
72.400	0.000	18.368	0.237	1.263	1183.887	16.212
72.600	0.000	18.267	0.236	1.264	1183.886	15.983
72.800	0.000	18.165	0.234	1.266	1183.884	15.757
73.000	0.000	18.064	0.232	1.268	1183.882	15.531
73.200	0.000	17.962	0.231	1.269	1183.881	15.308
73.400	0.000	17.861	0.229	1.271	1183.879	15.086
73.600	0.000	17.759	0.227	1.273	1183.877	14.866
73.800	0.000	17.658	0.226	1.274	1183.876	14.648
74.000	0.000	17.556	0.224	1.276	1183.874	14.431
74.200	0.000	17.455	0.222	1.278	1183.872	14.216
74.400	0.000	17.353	0.221	1.279	1183.871	14.003
74.600	0.000	17.252	0.219	1.281	1183.869	13.791
74.800	0.000	17.150	0.218	1.282	1183.868	13.582
75.000	0.000	17.049	0.216	1.284	1183.866	13.373
75.200	0.000	16.947	0.214	1.286	1183.864	13.167
75.400	0.000	16.846	0.213	1.287	1183.863	12.962
75.600	0.000	16.744	0.211	1.289	1183.861	12.759
75.800	0.000	16.643	0.209	1.291	1183.859	12.557
76.000	0.000	16.542	0.208	1.292	1183.858	12.358
76.200	0.000	16.440	0.206	1.294	1183.856	12.159
76.400	0.000	16.339	0.204	1.296	1183.854	11.963
76.600	0.000	16.237	0.203	1.297	1183.853	11.768
76.800	0.000	16.136	0.201	1.299	1183.851	11.575
77.000	0.000	16.034	0.200	1.300	1183.850	11.384
77.200	0.000	15.933	0.198	1.302	1183.848	11.194
77.400	0.000	15.831	0.196	1.304	1183.846	11.006
77.600	0.000	15.730	0.195	1.305	1183.845	10.820
77.800	0.000	15.628	0.193	1.307	1183.843	10.635
78.000	0.000	15.527	0.191	1.309	1183.841	10.452
78.200	0.000	15.425	0.190	1.310	1183.840	10.270
78.400	0.000	15.324	0.188	1.312	1183.838	10.090
78.600	0.000	15.222	0.186	1.314	1183.836	9.912
78.800	0.000	15.121	0.185	1.315	1183.835	9.735
79.000	0.000	15.019	0.183	1.317	1183.833	9.560

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
79.200	0.000	14.918	0.182	1.318	1183.832	9.387
79.400	0.000	14.816	0.180	1.320	1183.830	9.215
79.600	0.000	14.715	0.178	1.322	1183.828	9.045
79.800	0.000	14.614	0.177	1.323	1183.827	8.877
80.000	0.000	14.512	0.175	1.325	1183.825	8.710
80.200	0.000	14.411	0.173	1.327	1183.823	8.537
80.400	0.000	14.300	0.171	1.329	1183.821	8.359
80.600	0.000	14.189	0.170	1.330	1183.820	8.183
80.800	0.000	14.079	0.168	1.332	1183.818	8.009
81.000	0.000	13.968	0.166	1.334	1183.816	7.836
81.200	0.000	13.857	0.164	1.336	1183.814	7.666
81.400	0.000	13.746	0.163	1.337	1183.813	7.497
81.600	0.000	13.636	0.161	1.339	1183.811	7.331
81.800	0.000	13.525	0.159	1.341	1183.809	7.166
82.000	0.000	13.414	0.157	1.343	1183.807	7.004
82.200	0.000	13.304	0.155	1.345	1183.805	6.843
82.400	0.000	13.193	0.154	1.346	1183.804	6.684
82.600	0.000	13.082	0.152	1.348	1183.802	6.527
82.800	0.000	12.936	0.150	1.350	1183.800	6.372
83.000	0.000	12.783	0.148	1.352	1183.798	6.220
83.200	0.000	12.630	0.146	1.354	1183.796	6.068
83.400	0.000	12.477	0.145	1.355	1183.795	5.919
83.600	0.000	12.324	0.143	1.357	1183.793	5.772
83.800	0.000	12.171	0.141	1.359	1183.791	5.627
84.000	0.000	12.018	0.139	1.361	1183.789	5.483
84.200	0.000	11.865	0.138	1.362	1183.788	5.342
84.400	0.000	11.711	0.136	1.364	1183.786	5.202
84.600	0.000	11.558	0.134	1.366	1183.784	5.064
84.800	0.000	11.405	0.132	1.368	1183.782	4.928
85.000	0.000	11.252	0.130	1.370	1183.780	4.794
85.200	0.000	11.099	0.129	1.371	1183.779	4.662
85.400	0.000	10.946	0.127	1.373	1183.777	4.532
85.600	0.000	10.793	0.125	1.375	1183.775	4.403
85.800	0.000	10.640	0.123	1.377	1183.773	4.277
86.000	0.000	10.487	0.121	1.379	1183.771	4.152
86.200	0.000	10.334	0.120	1.380	1183.770	4.030
86.400	0.000	10.181	0.118	1.382	1183.768	3.909
86.600	0.000	10.027	0.116	1.384	1183.766	3.790
86.800	0.000	9.874	0.114	1.386	1183.764	3.673
87.000	0.000	9.721	0.113	1.387	1183.763	3.558
87.200	0.000	9.568	0.111	1.389	1183.761	3.444
87.400	0.000	9.415	0.109	1.391	1183.759	3.333
87.600	0.000	9.262	0.107	1.393	1183.757	3.224
87.800	0.000	9.109	0.105	1.395	1183.755	3.116
88.000	0.000	8.956	0.104	1.396	1183.754	3.010
88.200	0.000	8.803	0.102	1.398	1183.752	2.907
88.400	0.000	8.650	0.100	1.400	1183.750	2.805
88.600	0.000	8.497	0.098	1.402	1183.748	2.705
88.800	0.000	8.343	0.096	1.404	1183.746	2.606
89.000	0.000	8.190	0.095	1.405	1183.745	2.510
89.200	0.000	8.037	0.093	1.407	1183.743	2.415
89.400	0.000	7.884	0.091	1.409	1183.741	2.323
89.600	0.000	7.731	0.089	1.411	1183.739	2.232
89.800	0.000	7.578	0.088	1.412	1183.738	2.143
90.000	0.000	7.425	0.086	1.414	1183.736	2.056
90.200	0.000	7.272	0.084	1.416	1183.734	1.970
90.400	0.000	7.119	0.082	1.418	1183.732	1.887
90.600	0.000	6.966	0.080	1.420	1183.730	1.805
90.800	0.000	6.813	0.079	1.421	1183.729	1.725
91.000	0.000	6.659	0.077	1.423	1183.727	1.647
91.200	0.000	6.506	0.075	1.425	1183.725	1.571
91.400	0.000	6.353	0.073	1.427	1183.723	1.496
91.600	0.000	6.200	0.071	1.429	1183.721	1.424
91.800	0.000	6.047	0.070	1.430	1183.720	1.353
92.000	0.000	5.894	0.068	1.432	1183.718	1.284
92.200	0.000	5.741	0.066	1.434	1183.716	1.217
92.400	0.000	5.588	0.064	1.436	1183.714	1.152
92.600	0.000	5.435	0.063	1.437	1183.713	1.088
92.800	0.000	5.282	0.061	1.439	1183.711	1.027
93.000	0.000	5.129	0.059	1.441	1183.709	0.967
93.200	0.000	4.975	0.057	1.443	1183.707	0.909
93.400	0.000	4.822	0.055	1.445	1183.705	0.853
93.600	0.000	4.669	0.054	1.446	1183.704	0.799
93.800	0.000	4.516	0.052	1.448	1183.702	0.746
94.000	0.000	4.363	0.050	1.450	1183.700	0.696
94.200	0.000	4.210	0.048	1.452	1183.698	0.647
94.400	0.000	4.057	0.046	1.454	1183.696	0.600
94.600	0.000	3.904	0.045	1.455	1183.695	0.555
94.800	0.000	3.751	0.043	1.457	1183.693	0.511
95.000	0.000	3.598	0.041	1.459	1183.691	0.470
95.200	0.000	3.445	0.039	1.461	1183.689	0.430

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TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
95.400	0.000	3.291	0.038	1.462	1183.688	0.391
95.600	0.000	3.138	0.036	1.464	1183.686	0.355
95.800	0.000	2.985	0.034	1.466	1183.684	0.321
96.000	0.000	2.832	0.032	1.468	1183.682	0.289
96.200	0.000	2.692	0.031	1.469	1183.681	0.260
96.400	0.000	2.552	0.029	1.471	1183.679	0.233
96.600	0.000	2.411	0.027	1.473	1183.677	0.208
96.800	0.000	2.271	0.026	1.474	1183.676	0.184
97.000	0.000	2.131	0.024	1.476	1183.674	0.161
97.200	0.000	1.990	0.022	1.478	1183.672	0.141
97.400	0.000	1.863	0.021	1.479	1183.671	0.123
97.600	0.000	1.735	0.020	1.480	1183.670	0.106
97.800	0.000	1.607	0.018	1.482	1183.668	0.090
98.000	0.000	1.480	0.017	1.483	1183.667	0.077
98.200	0.000	1.365	0.015	1.485	1183.665	0.065
98.400	0.000	1.250	0.014	1.486	1183.664	0.054
98.600	0.000	1.135	0.013	1.487	1183.663	0.045
98.800	0.000	1.033	0.011	1.489	1183.661	0.037
99.000	0.000	0.931	0.010	1.490	1183.660	0.029
99.200	0.000	0.829	0.009	1.491	1183.659	0.023
99.400	0.000	0.740	0.008	1.492	1183.658	0.018
99.600	0.000	0.651	0.007	1.493	1183.657	0.014
99.800	0.000	0.574	0.006	1.494	1183.656	0.011
100.000	0.000	0.498	0.005	1.495	1183.655	0.008
100.200	0.000	0.434	0.005	1.495	1183.655	0.006
100.400	0.000	0.370	0.004	1.496	1183.654	0.005
100.600	0.000	0.319	0.003	1.497	1183.653	0.003
100.800	0.000	0.268	0.003	1.497	1183.653	0.002
101.000	0.000	0.223	0.002	1.498	1183.652	0.002
101.200	0.000	0.185	0.002	1.498	1183.652	0.001
101.400	0.000	0.153	0.002	1.498	1183.652	0.001
101.600	0.000	0.128	0.001	1.499	1183.651	0.001
101.800	0.000	0.102	0.001	1.499	1183.651	0.000
102.000	0.000	0.083	0.001	1.499	1183.651	0.000
102.200	0.000	0.070	0.001	1.499	1183.651	0.000
102.400	0.000	0.057	0.001	1.499	1183.651	0.000
102.600	0.000	0.045	0.000	1.500	1183.650	0.000
102.800	0.000	0.032	0.000	1.500	1183.650	0.000
103.000	0.000	0.026	0.000	1.500	1183.650	0.000
103.200	0.000	0.026	0.000	1.500	1183.650	0.000





ARQUITETURA + URBANISMO
 CLN nº 01.818/90 - CEP 70.743-900
 BRASÍLIA - DF - FONE: 01 3014 3707

CANAL: PO-09B

DATA: 18.12.2019

IMPULT DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	110.356	1183.050			
VAZÃO DE SAÍDA MAX. (l/s)	29.60	32.381	1181.550			
PROFUNDIDADE MAX. (m)	29.60	0.553	1182.550			
FREEBOARD MIN. (m)	29.60	0.947	1181.550			
NA MAX. (m)	29.60	1,182.103	-			
VOLUME MAX (m³)	29.60	75.40	400.00			
VOLUME TOTAL (m³)		392.93	150.00			
PROFUNDIDADE TOTAL. (m)		1.50	1.660			
			0.130			
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1181.550	0.000
0.200	1.169	0.032	0.001	1.499	1181.551	0.000
0.400	2.613	0.268	0.005	1.495	1181.555	0.006
0.600	4.178	0.663	0.010	1.490	1181.560	0.024
0.800	5.768	1.123	0.016	1.484	1181.566	0.057
1.000	7.371	1.607	0.022	1.478	1181.572	0.106
1.200	8.980	2.105	0.028	1.472	1181.578	0.171
1.400	10.596	2.615	0.033	1.467	1181.583	0.253
1.600	12.212	3.126	0.039	1.461	1181.589	0.351
1.800	13.828	3.636	0.045	1.455	1181.595	0.464
2.000	15.443	4.146	0.051	1.449	1181.601	0.594
2.200	17.059	4.657	0.057	1.443	1181.607	0.741
2.400	18.662	5.160	0.063	1.437	1181.613	0.899
2.600	20.259	5.658	0.069	1.431	1181.619	1.071
2.800	21.849	6.143	0.074	1.426	1181.624	1.256
3.000	23.439	6.628	0.080	1.420	1181.630	1.455
3.200	25.030	7.112	0.086	1.414	1181.636	1.670
3.400	26.620	7.591	0.091	1.409	1181.641	1.893
3.600	28.197	8.063	0.097	1.403	1181.647	2.130
3.800	29.775	8.535	0.102	1.398	1181.652	2.381
4.000	31.352	9.007	0.108	1.392	1181.658	2.647
4.200	32.930	9.479	0.113	1.387	1181.663	2.928
4.400	34.507	9.951	0.119	1.381	1181.669	3.223
4.600	36.085	10.417	0.124	1.376	1181.674	3.524
4.800	37.662	10.876	0.130	1.370	1181.680	3.839
5.000	39.240	11.335	0.135	1.365	1181.685	4.167
5.200	40.817	11.794	0.140	1.360	1181.690	4.510
5.400	42.395	12.254	0.146	1.354	1181.696	4.866
5.600	43.972	12.713	0.151	1.349	1181.701	5.236
5.800	45.534	13.142	0.156	1.344	1181.706	5.621
6.000	46.984	13.474	0.162	1.338	1181.712	6.019
6.200	48.434	13.806	0.167	1.333	1181.717	6.432
6.400	49.885	14.138	0.172	1.328	1181.722	6.859
6.600	51.335	14.471	0.178	1.322	1181.728	7.300
6.800	52.785	14.803	0.183	1.317	1181.733	7.755
7.000	54.236	15.135	0.188	1.312	1181.738	8.225
7.200	55.686	15.467	0.194	1.306	1181.744	8.708
7.400	57.136	15.799	0.199	1.301	1181.749	9.207
7.600	58.587	16.131	0.205	1.295	1181.755	9.719
7.800	60.037	16.463	0.210	1.290	1181.760	10.239
8.000	61.487	16.786	0.215	1.285	1181.765	10.765
8.200	62.938	17.109	0.220	1.280	1181.770	11.305
8.400	64.388	17.432	0.225	1.275	1181.775	11.859
8.600	65.838	17.755	0.231	1.269	1181.781	12.427
8.800	67.289	18.077	0.236	1.264	1181.786	13.009
9.000	68.739	18.400	0.241	1.259	1181.791	13.604
9.200	70.189	18.723	0.246	1.254	1181.796	14.214
9.400	71.640	19.046	0.252	1.249	1181.802	14.837
9.600	73.090	19.369	0.257	1.243	1181.807	15.474
9.800	74.540	19.692	0.262	1.238	1181.812	16.126
10.000	75.990	20.015	0.267	1.233	1181.817	16.792
10.200	77.441	20.337	0.272	1.228	1181.822	17.472
10.400	78.891	20.660	0.278	1.222	1181.828	18.166
10.600	80.337	20.983	0.283	1.217	1181.833	18.875
10.800	81.778	21.306	0.288	1.212	1181.838	19.598
11.000	83.219	21.629	0.293	1.207	1181.843	20.335
11.200	84.660	21.952	0.298	1.202	1181.848	21.087
11.400	86.101	22.275	0.304	1.196	1181.854	21.853
11.600	87.488	22.570	0.309	1.191	1181.859	22.633
11.800	88.832	22.793	0.314	1.186	1181.864	23.428
12.000	90.180	23.016	0.319	1.181	1181.869	24.238
12.200	91.527	23.239	0.324	1.176	1181.874	25.062
12.400	92.875	23.462	0.330	1.170	1181.880	25.901
12.600	94.222	23.685	0.335	1.165	1181.885	26.755
12.800	95.569	23.907	0.340	1.160	1181.890	27.623
13.000	96.917	24.130	0.345	1.155	1181.895	28.494
13.200	98.264	24.347	0.350	1.150	1181.900	29.365

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	99.612	24.563	0.355	1.145	1181.905	30.251
13.600	100.956	24.780	0.360	1.140	1181.910	31.151
13.800	102.300	24.996	0.365	1.135	1181.915	32.065
14.000	103.645	25.213	0.370	1.130	1181.920	32.993
14.200	104.986	25.429	0.376	1.124	1181.926	33.936
14.400	106.330	25.646	0.381	1.119	1181.931	34.893
14.600	107.671	25.862	0.386	1.114	1181.936	35.864
14.800	109.015	26.079	0.391	1.109	1181.941	36.849
15.000	110.356	26.295	0.396	1.104	1181.946	37.848
15.200	109.464	26.512	0.401	1.099	1181.951	38.862
15.400	108.566	26.725	0.406	1.094	1181.956	39.859
15.600	107.658	26.932	0.411	1.089	1181.961	40.840
15.800	106.743	27.132	0.415	1.085	1181.965	41.802
16.000	105.822	27.327	0.420	1.080	1181.970	42.745
16.200	104.895	27.518	0.424	1.076	1181.974	43.683
16.400	103.961	27.702	0.428	1.072	1181.978	44.616
16.600	103.021	27.884	0.432	1.068	1181.982	45.527
16.800	102.078	28.059	0.436	1.064	1181.986	46.414
17.000	101.129	28.231	0.440	1.060	1181.990	47.294
17.200	100.173	28.396	0.444	1.056	1181.994	48.167
17.400	99.214	28.559	0.448	1.052	1181.998	49.013
17.600	98.249	28.718	0.452	1.048	1182.002	49.868
17.800	97.273	28.874	0.455	1.045	1182.005	50.695
18.000	96.271	29.027	0.459	1.041	1182.009	51.510
18.200	95.267	29.146	0.462	1.038	1182.012	52.315
18.400	94.257	29.265	0.466	1.034	1182.016	53.107
18.600	93.245	29.379	0.469	1.031	1182.019	53.887
18.800	92.231	29.491	0.472	1.028	1182.022	54.637
19.000	91.211	29.599	0.475	1.025	1182.025	55.392
19.200	90.191	29.706	0.478	1.022	1182.028	56.115
19.400	89.166	29.809	0.481	1.019	1182.031	56.843
19.600	88.138	29.910	0.484	1.016	1182.034	57.538
19.800	87.108	30.009	0.487	1.013	1182.037	58.237
20.000	86.073	30.104	0.489	1.011	1182.039	58.903
20.200	85.037	30.198	0.492	1.008	1182.042	59.573
20.400	83.997	30.291	0.495	1.005	1182.045	60.228
20.600	82.954	30.379	0.497	1.003	1182.047	60.867
20.800	81.908	30.467	0.500	1.000	1182.050	61.490
21.000	80.860	30.550	0.502	0.998	1182.052	62.096
21.200	79.809	30.633	0.504	0.996	1182.054	62.704
21.400	78.755	30.713	0.507	0.993	1182.057	63.274
21.600	77.699	30.791	0.509	0.991	1182.059	63.845
21.800	76.641	30.868	0.511	0.989	1182.061	64.398
22.000	75.579	30.941	0.513	0.987	1182.063	64.932
22.200	74.516	31.013	0.515	0.985	1182.065	65.467
22.400	73.449	31.086	0.517	0.983	1182.067	65.983
22.600	72.380	31.153	0.519	0.981	1182.069	66.481
22.800	71.308	31.221	0.521	0.979	1182.071	66.980
23.000	70.237	31.285	0.523	0.977	1182.073	67.440
23.200	69.160	31.347	0.525	0.975	1182.075	67.902
23.400	68.083	31.410	0.526	0.974	1182.076	68.363
23.600	67.001	31.469	0.528	0.972	1182.078	68.787
23.800	65.919	31.526	0.530	0.970	1182.080	69.211
24.000	64.832	31.583	0.531	0.969	1182.081	69.616
24.200	63.745	31.635	0.533	0.967	1182.083	70.002
24.400	62.653	31.687	0.534	0.966	1182.084	70.388
24.600	61.560	31.738	0.536	0.964	1182.086	70.756
24.800	60.465	31.785	0.537	0.963	1182.087	71.104
25.000	59.368	31.832	0.538	0.962	1182.088	71.453
25.200	58.268	31.876	0.540	0.960	1182.090	71.763
25.400	57.165	31.917	0.541	0.959	1182.091	72.073
25.600	56.060	31.959	0.542	0.958	1182.092	72.384
25.800	54.952	31.997	0.543	0.957	1182.093	72.656
26.000	53.844	32.034	0.544	0.956	1182.094	72.928
26.200	52.731	32.070	0.545	0.955	1182.095	73.181
26.400	51.618	32.101	0.546	0.954	1182.096	73.414
26.600	50.500	32.132	0.547	0.953	1182.097	73.648
26.800	49.382	32.163	0.548	0.952	1182.098	73.862
27.000	48.258	32.189	0.548	0.952	1182.098	74.057
27.200	47.135	32.215	0.549	0.951	1182.099	74.252
27.400	46.009	32.241	0.550	0.950	1182.100	74.427
27.600	44.880	32.262	0.550	0.950	1182.100	74.584
27.800	43.749	32.282	0.551	0.949	1182.101	74.740
28.000	42.615	32.300	0.551	0.949	1182.101	74.857
28.200	41.481	32.316	0.552	0.948	1182.102	74.974
28.400	40.343	32.331	0.552	0.948	1182.102	75.091
28.600	39.204	32.344	0.553	0.947	1182.103	75.169
28.800	38.059	32.355	0.553	0.947	1182.103	75.247
29.000	36.915	32.365	0.553	0.947	1182.103	75.306
29.200	35.766	32.370	0.553	0.947	1182.103	75.345
29.400	34.617	32.375	0.553	0.947	1182.103	75.384
29.600	33.465	32.381	0.553	0.947	1182.103	75.404
29.800	32.310	32.381	0.553	0.947	1182.103	75.404

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	31.153	32.381	0.553	0.947	1182.103	75.404
30.200	31.112	32.381	0.553	0.947	1182.103	75.404
30.400	31.070	32.381	0.553	0.947	1182.103	75.404
30.600	31.029	32.381	0.553	0.947	1182.103	75.404
30.800	30.987	32.381	0.553	0.947	1182.103	75.404
31.000	30.946	32.381	0.553	0.947	1182.103	75.404
31.200	30.905	32.381	0.553	0.947	1182.103	75.404
31.400	30.863	32.381	0.553	0.947	1182.103	75.404
31.600	30.822	32.381	0.553	0.947	1182.103	75.404
31.800	30.780	32.381	0.553	0.947	1182.103	75.404
32.000	30.739	32.381	0.553	0.947	1182.103	75.384
32.200	30.697	32.375	0.553	0.947	1182.103	75.345
32.400	30.656	32.370	0.553	0.947	1182.103	75.306
32.600	30.615	32.365	0.553	0.947	1182.103	75.267
32.800	30.573	32.360	0.553	0.947	1182.103	75.228
33.000	30.532	32.355	0.553	0.947	1182.103	75.189
33.200	30.490	32.350	0.553	0.947	1182.103	75.150
33.400	30.449	32.344	0.552	0.948	1182.102	75.111
33.600	30.407	32.339	0.552	0.948	1182.102	75.072
33.800	30.366	32.334	0.552	0.948	1182.102	75.033
34.000	30.325	32.329	0.552	0.948	1182.102	74.994
34.200	30.283	32.324	0.552	0.948	1182.102	74.954
34.400	30.242	32.318	0.552	0.948	1182.102	74.915
34.600	30.200	32.313	0.551	0.949	1182.101	74.876
34.800	30.159	32.308	0.551	0.949	1182.101	74.837
35.000	30.117	32.303	0.551	0.949	1182.101	74.798
35.200	30.076	32.298	0.551	0.949	1182.101	74.759
35.400	30.035	32.293	0.551	0.949	1182.101	74.720
35.600	29.993	32.287	0.551	0.949	1182.101	74.681
35.800	29.952	32.282	0.551	0.949	1182.101	74.642
36.000	29.910	32.277	0.550	0.950	1182.100	74.603
36.200	29.869	32.272	0.550	0.950	1182.100	74.564
36.400	29.827	32.267	0.550	0.950	1182.100	74.525
36.600	29.786	32.262	0.550	0.950	1182.100	74.486
36.800	29.745	32.256	0.550	0.950	1182.100	74.447
37.000	29.703	32.251	0.550	0.950	1182.100	74.408
37.200	29.662	32.246	0.550	0.950	1182.100	74.369
37.400	29.620	32.241	0.549	0.951	1182.099	74.330
37.600	29.579	32.236	0.549	0.951	1182.099	74.291
37.800	29.537	32.230	0.549	0.951	1182.099	74.252
38.000	29.496	32.225	0.549	0.951	1182.099	74.213
38.200	29.454	32.220	0.549	0.951	1182.099	74.174
38.400	29.413	32.215	0.549	0.951	1182.099	74.135
38.600	29.372	32.210	0.548	0.952	1182.098	74.096
38.800	29.330	32.205	0.548	0.952	1182.098	74.057
39.000	29.289	32.199	0.548	0.952	1182.098	74.018
39.200	29.247	32.194	0.548	0.952	1182.098	73.979
39.400	29.206	32.189	0.548	0.952	1182.098	73.940
39.600	29.164	32.184	0.548	0.952	1182.098	73.901
39.800	29.123	32.179	0.548	0.952	1182.098	73.862
40.000	29.082	32.173	0.547	0.953	1182.097	73.823
40.200	29.040	32.168	0.547	0.953	1182.097	73.784
40.400	28.992	32.163	0.547	0.953	1182.097	73.745
40.600	28.941	32.158	0.547	0.953	1182.097	73.706
40.800	28.890	32.153	0.547	0.953	1182.097	73.667
41.000	28.839	32.148	0.547	0.953	1182.097	73.628
41.200	28.788	32.142	0.547	0.953	1182.097	73.589
41.400	28.737	32.137	0.546	0.954	1182.096	73.551
41.600	28.686	32.132	0.546	0.954	1182.096	73.512
41.800	28.635	32.127	0.546	0.954	1182.096	73.473
42.000	28.584	32.122	0.546	0.954	1182.096	73.434
42.200	28.533	32.116	0.546	0.954	1182.096	73.395
42.400	28.482	32.111	0.546	0.954	1182.096	73.356
42.600	28.431	32.106	0.546	0.954	1182.096	73.317
42.800	28.380	32.101	0.545	0.955	1182.095	73.278
43.000	28.329	32.096	0.545	0.955	1182.095	73.239
43.200	28.278	32.091	0.545	0.955	1182.095	73.200
43.400	28.228	32.085	0.545	0.955	1182.095	73.161
43.600	28.177	32.080	0.545	0.955	1182.095	73.122
43.800	28.126	32.075	0.545	0.955	1182.095	73.084
44.000	28.075	32.070	0.544	0.956	1182.094	73.045
44.200	28.024	32.065	0.544	0.956	1182.094	73.006
44.400	27.973	32.060	0.544	0.956	1182.094	72.967
44.600	27.922	32.054	0.544	0.956	1182.094	72.928
44.800	27.871	32.049	0.544	0.956	1182.094	72.889
45.000	27.820	32.044	0.544	0.956	1182.094	72.850
45.200	27.769	32.039	0.544	0.956	1182.094	72.811
45.400	27.718	32.034	0.543	0.957	1182.093	72.772
45.600	27.667	32.028	0.543	0.957	1182.093	72.734
45.800	27.616	32.023	0.543	0.957	1182.093	72.695
46.000	27.565	32.018	0.543	0.957	1182.093	72.656
46.200	27.514	32.013	0.543	0.957	1182.093	72.617
46.400	27.463	32.008	0.543	0.957	1182.093	72.578

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
46.600	27.413	32.003	0.543	0.957	1182.093	72.539
46.800	27.362	31.997	0.542	0.958	1182.092	72.500
47.000	27.311	31.992	0.542	0.958	1182.092	72.462
47.200	27.260	31.987	0.542	0.958	1182.092	72.423
47.400	27.209	31.982	0.542	0.958	1182.092	72.384
47.600	27.155	31.977	0.542	0.958	1182.092	72.345
47.800	27.097	31.971	0.542	0.958	1182.092	72.287
48.000	27.040	31.961	0.541	0.959	1182.091	72.209
48.200	26.983	31.951	0.541	0.959	1182.091	72.132
48.400	26.925	31.940	0.541	0.959	1182.091	72.054
48.600	26.868	31.930	0.540	0.960	1182.090	71.976
48.800	26.811	31.920	0.540	0.960	1182.090	71.899
49.000	26.754	31.909	0.540	0.960	1182.090	71.821
49.200	26.696	31.899	0.539	0.961	1182.089	71.744
49.400	26.639	31.889	0.539	0.961	1182.089	71.666
49.600	26.582	31.878	0.539	0.961	1182.089	71.589
49.800	26.524	31.868	0.539	0.961	1182.089	71.511
50.000	26.467	31.858	0.538	0.962	1182.088	71.433
50.200	26.410	31.847	0.538	0.962	1182.088	71.356
50.400	26.352	31.837	0.538	0.962	1182.088	71.278
50.600	26.295	31.826	0.537	0.963	1182.087	71.201
50.800	26.238	31.816	0.537	0.963	1182.087	71.124
51.000	26.181	31.806	0.537	0.963	1182.087	71.046
51.200	26.123	31.795	0.537	0.963	1182.087	70.969
51.400	26.066	31.785	0.536	0.964	1182.086	70.891
51.600	26.009	31.775	0.536	0.964	1182.086	70.814
51.800	25.951	31.764	0.536	0.964	1182.086	70.736
52.000	25.894	31.754	0.535	0.965	1182.085	70.659
52.200	25.837	31.744	0.535	0.965	1182.085	70.582
52.400	25.779	31.733	0.535	0.965	1182.085	70.504
52.600	25.722	31.723	0.534	0.966	1182.084	70.427
52.800	25.665	31.713	0.534	0.966	1182.084	70.350
53.000	25.607	31.702	0.534	0.966	1182.084	70.272
53.200	25.550	31.692	0.534	0.966	1182.084	70.195
53.400	25.493	31.681	0.533	0.967	1182.083	70.118
53.600	25.436	31.671	0.533	0.967	1182.083	70.040
53.800	25.378	31.661	0.533	0.967	1182.083	69.963
54.000	25.321	31.650	0.532	0.968	1182.082	69.886
54.200	25.264	31.640	0.532	0.968	1182.082	69.809
54.400	25.206	31.630	0.532	0.968	1182.082	69.732
54.600	25.149	31.619	0.531	0.969	1182.081	69.654
54.800	25.092	31.609	0.531	0.969	1182.081	69.577
55.000	25.034	31.599	0.531	0.969	1182.081	69.500
55.200	24.977	31.588	0.531	0.969	1182.081	69.423
55.400	24.920	31.578	0.530	0.970	1182.080	69.346
55.600	24.863	31.568	0.530	0.970	1182.080	69.268
55.800	24.805	31.557	0.530	0.970	1182.080	69.191
56.000	24.748	31.547	0.529	0.971	1182.079	69.114
56.200	24.691	31.536	0.529	0.971	1182.079	69.037
56.400	24.633	31.526	0.529	0.971	1182.079	68.960
56.600	24.576	31.516	0.528	0.972	1182.078	68.883
56.800	24.519	31.505	0.528	0.972	1182.078	68.806
57.000	24.461	31.495	0.528	0.972	1182.078	68.729
57.200	24.404	31.485	0.528	0.972	1182.078	68.652
57.400	24.347	31.474	0.527	0.973	1182.077	68.575
57.600	24.290	31.464	0.527	0.973	1182.077	68.498
57.800	24.232	31.454	0.527	0.973	1182.077	68.421
58.000	24.175	31.443	0.526	0.974	1182.076	68.344
58.200	24.118	31.433	0.526	0.974	1182.076	68.267
58.400	24.060	31.423	0.526	0.974	1182.076	68.190
58.600	24.003	31.412	0.525	0.975	1182.075	68.113
58.800	23.946	31.402	0.525	0.975	1182.075	68.036
59.000	23.888	31.391	0.525	0.975	1182.075	67.959
59.200	23.831	31.381	0.525	0.975	1182.075	67.882
59.400	23.774	31.371	0.524	0.976	1182.074	67.805
59.600	23.716	31.360	0.524	0.976	1182.074	67.729
59.800	23.659	31.350	0.524	0.976	1182.074	67.652
60.000	23.602	31.340	0.523	0.977	1182.073	67.575
60.200	23.545	31.329	0.523	0.977	1182.073	67.498
60.400	23.481	31.319	0.523	0.977	1182.073	67.421
60.600	23.417	31.309	0.523	0.977	1182.073	67.344
60.800	23.354	31.298	0.522	0.978	1182.072	67.268
61.000	23.290	31.288	0.522	0.978	1182.072	67.192
61.200	23.226	31.272	0.521	0.979	1182.071	67.115
61.400	23.163	31.257	0.521	0.979	1182.071	67.038
61.600	23.099	31.241	0.521	0.979	1182.071	66.961
61.800	23.035	31.226	0.520	0.980	1182.070	66.884
62.000	22.972	31.210	0.520	0.980	1182.070	66.807
62.200	22.908	31.195	0.519	0.981	1182.069	66.730
62.400	22.844	31.179	0.519	0.981	1182.069	66.653
62.600	22.781	31.164	0.518	0.982	1182.068	66.576
62.800	22.717	31.148	0.518	0.982	1182.068	66.499
63.000	22.653	31.132	0.517	0.983	1182.067	66.422

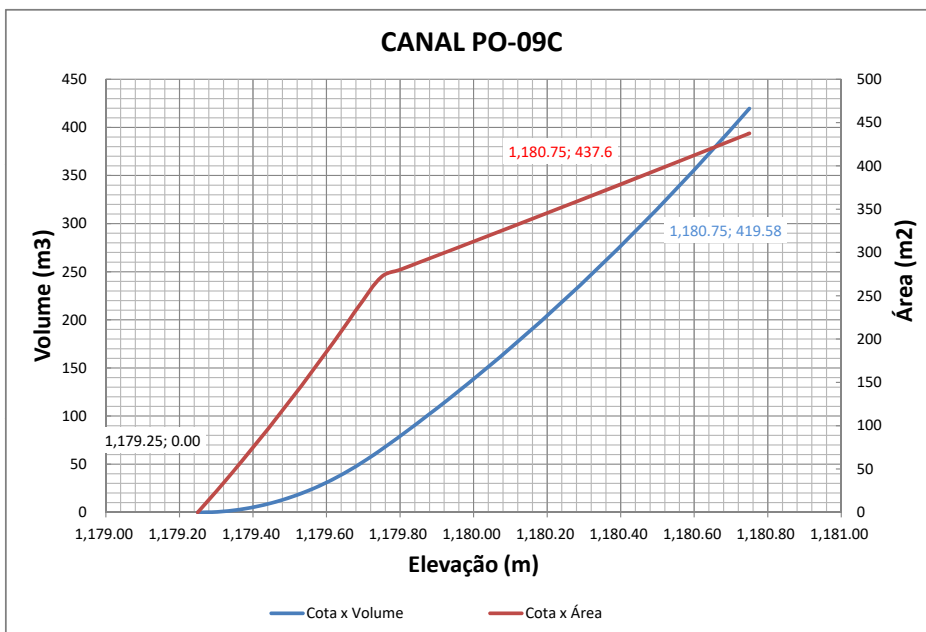
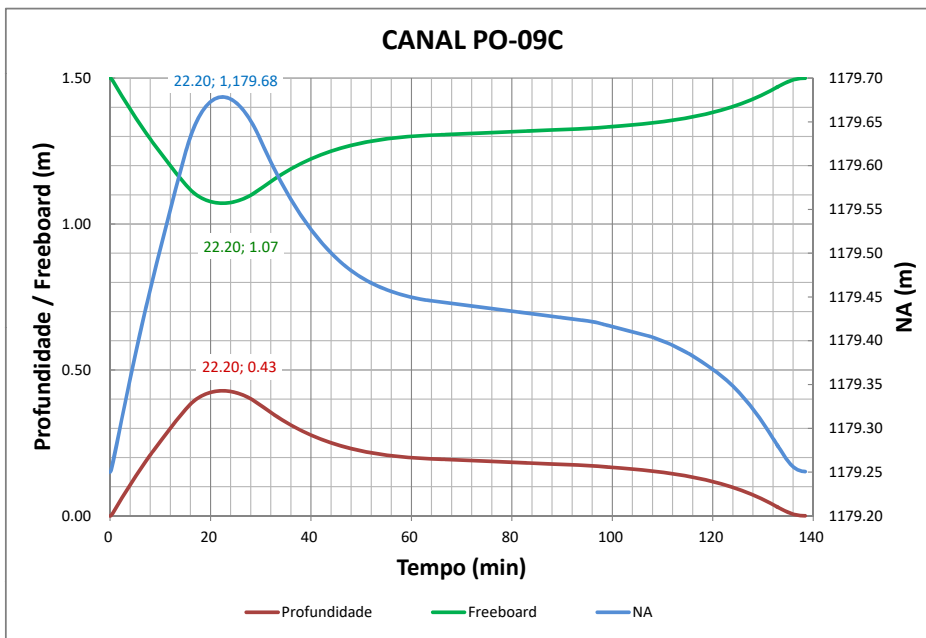
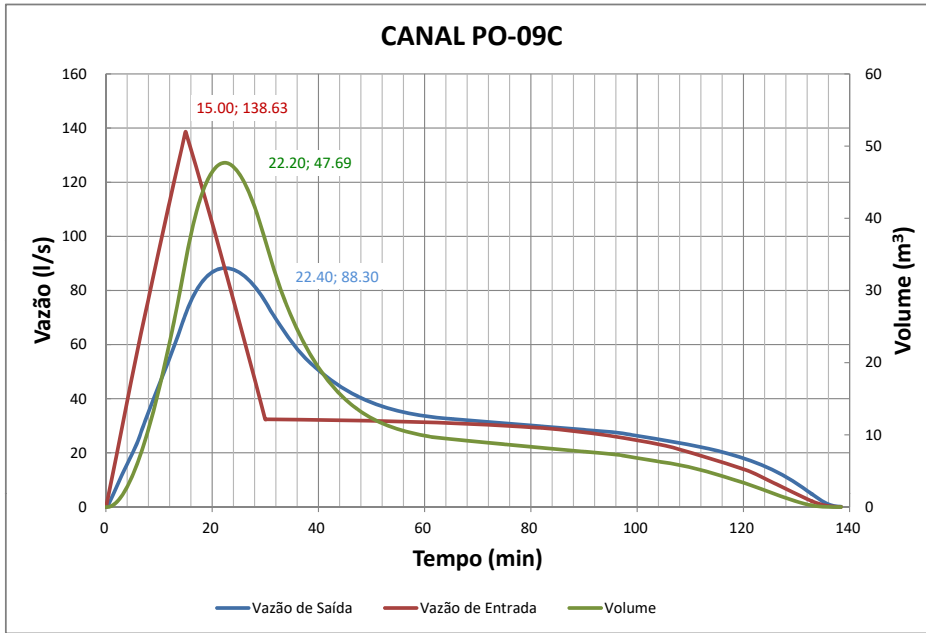
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
63.200	22.589	31.117	0.517	0.983	1182.067	65.907
63.400	22.526	31.101	0.516	0.984	1182.066	65.792
63.600	22.441	31.086	0.516	0.984	1182.066	65.677
63.800	22.348	31.070	0.516	0.984	1182.066	65.563
64.000	22.256	31.055	0.515	0.985	1182.065	65.448
64.200	22.164	31.039	0.515	0.985	1182.065	65.333
64.400	22.072	31.024	0.514	0.986	1182.064	65.218
64.600	21.979	31.008	0.514	0.986	1182.064	65.104
64.800	21.887	30.993	0.513	0.987	1182.063	64.989
65.000	21.795	30.977	0.513	0.987	1182.063	64.875
65.200	21.703	30.962	0.512	0.988	1182.062	64.760
65.400	21.610	30.946	0.512	0.988	1182.062	64.646
65.600	21.518	30.931	0.512	0.988	1182.062	64.531
65.800	21.426	30.915	0.511	0.989	1182.061	64.417
66.000	21.334	30.899	0.511	0.989	1182.061	64.302
66.200	21.242	30.884	0.510	0.990	1182.060	64.188
66.400	21.149	30.868	0.510	0.990	1182.060	64.074
66.600	21.057	30.853	0.509	0.991	1182.059	63.959
66.800	20.965	30.837	0.509	0.991	1182.059	63.845
67.000	20.873	30.822	0.508	0.992	1182.058	63.731
67.200	20.780	30.806	0.508	0.992	1182.058	63.617
67.400	20.688	30.791	0.508	0.992	1182.058	63.502
67.600	20.596	30.775	0.507	0.993	1182.057	63.388
67.800	20.504	30.760	0.507	0.993	1182.057	63.274
68.000	20.411	30.744	0.506	0.994	1182.056	63.160
68.200	20.319	30.729	0.506	0.994	1182.056	63.046
68.400	20.227	30.713	0.505	0.995	1182.055	62.932
68.600	20.135	30.697	0.505	0.995	1182.055	62.818
68.800	20.042	30.682	0.504	0.996	1182.054	62.704
69.000	19.950	30.666	0.504	0.996	1182.054	62.590
69.200	19.858	30.651	0.504	0.996	1182.054	62.476
69.400	19.766	30.635	0.503	0.997	1182.053	62.362
69.600	19.673	30.620	0.503	0.997	1182.053	62.248
69.800	19.581	30.604	0.502	0.998	1182.052	62.134
70.000	19.489	30.589	0.502	0.998	1182.052	62.020
70.200	19.397	30.568	0.501	0.999	1182.051	61.850
70.400	19.304	30.547	0.500	1.000	1182.050	61.698
70.600	19.212	30.527	0.500	1.000	1182.050	61.547
70.800	19.120	30.506	0.499	1.001	1182.049	61.395
71.000	19.028	30.485	0.499	1.001	1182.049	61.244
71.200	18.935	30.464	0.498	1.002	1182.048	61.093
71.400	18.843	30.444	0.498	1.002	1182.048	60.942
71.600	18.751	30.423	0.497	1.003	1182.047	60.791
71.800	18.659	30.402	0.496	1.004	1182.046	60.641
72.000	18.566	30.382	0.496	1.004	1182.046	60.490
72.200	18.469	30.361	0.495	1.005	1182.045	60.340
72.400	18.368	30.340	0.495	1.005	1182.045	60.190
72.600	18.267	30.319	0.494	1.006	1182.044	60.040
72.800	18.165	30.299	0.493	1.007	1182.043	59.890
73.000	18.064	30.278	0.493	1.007	1182.043	59.741
73.200	17.962	30.257	0.492	1.008	1182.042	59.592
73.400	17.861	30.237	0.492	1.008	1182.042	59.443
73.600	17.759	30.216	0.491	1.009	1182.041	59.294
73.800	17.658	30.195	0.490	1.010	1182.040	59.145
74.000	17.556	30.174	0.490	1.010	1182.040	58.996
74.200	17.455	30.154	0.489	1.011	1182.039	58.848
74.400	17.353	30.133	0.489	1.011	1182.039	58.699
74.600	17.252	30.112	0.488	1.012	1182.038	58.551
74.800	17.150	30.091	0.487	1.013	1182.037	58.403
75.000	17.049	30.071	0.487	1.013	1182.037	58.256
75.200	16.947	30.050	0.486	1.014	1182.036	58.108
75.400	16.846	30.029	0.486	1.014	1182.036	57.961
75.600	16.744	30.009	0.485	1.015	1182.035	57.813
75.800	16.643	29.988	0.484	1.016	1182.034	57.666
76.000	16.542	29.967	0.484	1.016	1182.034	57.520
76.200	16.440	29.946	0.483	1.017	1182.033	57.373
76.400	16.339	29.926	0.483	1.017	1182.033	57.226
76.600	16.237	29.905	0.482	1.018	1182.032	57.080
76.800	16.136	29.884	0.481	1.019	1182.031	56.916
77.000	16.034	29.858	0.481	1.019	1182.031	56.733
77.200	15.933	29.833	0.480	1.020	1182.030	56.551
77.400	15.831	29.807	0.479	1.021	1182.029	56.369
77.600	15.730	29.781	0.478	1.022	1182.028	56.188
77.800	15.628	29.755	0.478	1.022	1182.028	56.006
78.000	15.527	29.729	0.477	1.023	1182.027	55.825
78.200	15.425	29.703	0.476	1.024	1182.026	55.644
78.400	15.324	29.677	0.475	1.025	1182.025	55.464
78.600	15.222	29.651	0.475	1.025	1182.025	55.284
78.800	15.121	29.625	0.474	1.026	1182.024	55.104
79.000	15.019	29.599	0.473	1.027	1182.023	54.924

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
79.200	14.918	29.574	0.472	1.028	1182.022	54.745
79.400	14.816	29.548	0.472	1.028	1182.022	54.566
79.600	14.715	29.522	0.471	1.029	1182.021	54.387
79.800	14.614	29.496	0.470	1.030	1182.020	54.208
80.000	14.512	29.470	0.469	1.031	1182.019	54.030
80.200	14.411	29.444	0.469	1.031	1182.019	53.852
80.400	14.300	29.418	0.468	1.032	1182.018	53.674
80.600	14.189	29.392	0.467	1.033	1182.017	53.497
80.800	14.079	29.366	0.466	1.034	1182.016	53.319
81.000	13.968	29.341	0.466	1.034	1182.016	53.143
81.200	13.857	29.315	0.465	1.035	1182.015	52.966
81.400	13.746	29.289	0.464	1.036	1182.014	52.790
81.600	13.636	29.263	0.464	1.036	1182.014	52.613
81.800	13.525	29.237	0.463	1.037	1182.013	52.438
82.000	13.414	29.211	0.462	1.038	1182.012	52.262
82.200	13.304	29.185	0.461	1.039	1182.011	52.087
82.400	13.193	29.159	0.461	1.039	1182.011	51.912
82.600	13.082	29.133	0.460	1.040	1182.010	51.720
82.800	12.936	29.102	0.459	1.041	1182.009	51.510
83.000	12.783	29.071	0.458	1.042	1182.008	51.302
83.200	12.630	29.040	0.457	1.043	1182.007	51.093
83.400	12.477	29.004	0.456	1.044	1182.006	50.885
83.600	12.324	28.966	0.455	1.045	1182.005	50.677
83.800	12.171	28.928	0.454	1.046	1182.004	50.470
84.000	12.018	28.890	0.453	1.047	1182.003	50.263
84.200	11.865	28.852	0.453	1.047	1182.003	50.057
84.400	11.711	28.813	0.452	1.048	1182.002	49.851
84.600	11.558	28.775	0.451	1.049	1182.001	49.645
84.800	11.405	28.737	0.450	1.050	1182.000	49.440
85.000	11.252	28.699	0.449	1.051	1181.999	49.235
85.200	11.099	28.661	0.448	1.052	1181.998	49.030
85.400	10.946	28.622	0.447	1.053	1181.997	48.826
85.600	10.793	28.584	0.446	1.054	1181.996	48.623
85.800	10.640	28.546	0.445	1.055	1181.995	48.420
86.000	10.487	28.508	0.445	1.055	1181.995	48.217
86.200	10.334	28.469	0.444	1.056	1181.994	48.015
86.400	10.181	28.431	0.443	1.057	1181.993	47.797
86.600	10.027	28.387	0.442	1.058	1181.992	47.562
86.800	9.874	28.342	0.441	1.059	1181.991	47.328
87.000	9.721	28.298	0.440	1.060	1181.990	47.094
87.200	9.568	28.253	0.439	1.062	1181.989	46.862
87.400	9.415	28.208	0.437	1.063	1181.987	46.629
87.600	9.262	28.164	0.436	1.064	1181.986	46.398
87.800	9.109	28.119	0.435	1.065	1181.985	46.167
88.000	8.956	28.075	0.434	1.066	1181.984	45.936
88.200	8.803	28.030	0.433	1.067	1181.983	45.707
88.400	8.650	27.986	0.432	1.068	1181.982	45.478
88.600	8.497	27.941	0.431	1.069	1181.981	45.249
88.800	8.343	27.896	0.430	1.070	1181.980	45.021
89.000	8.190	27.852	0.429	1.071	1181.979	44.794
89.200	8.037	27.807	0.428	1.072	1181.978	44.567
89.400	7.884	27.763	0.427	1.073	1181.977	44.341
89.600	7.731	27.718	0.426	1.074	1181.976	44.116
89.800	7.578	27.674	0.425	1.075	1181.975	43.875
90.000	7.425	27.623	0.424	1.076	1181.974	43.619
90.200	7.272	27.572	0.423	1.078	1181.973	43.364
90.400	7.119	27.521	0.421	1.079	1181.971	43.109
90.600	6.966	27.470	0.420	1.080	1181.970	42.856
90.800	6.813	27.419	0.419	1.081	1181.969	42.603
91.000	6.659	27.368	0.418	1.082	1181.968	42.351
91.200	6.506	27.317	0.417	1.083	1181.967	42.099
91.400	6.353	27.266	0.415	1.085	1181.965	41.849
91.600	6.200	27.215	0.414	1.086	1181.964	41.599
91.800	6.047	27.164	0.413	1.087	1181.963	41.351
92.000	5.894	27.113	0.412	1.088	1181.962	41.103
92.200	5.741	27.062	0.411	1.089	1181.961	40.855
92.400	5.588	27.011	0.409	1.091	1181.959	40.609
92.600	5.435	26.960	0.408	1.092	1181.958	40.363
92.800	5.282	26.910	0.407	1.093	1181.957	40.119
93.000	5.129	26.855	0.406	1.094	1181.956	39.844
93.200	4.975	26.798	0.404	1.096	1181.954	39.571
93.400	4.822	26.741	0.403	1.097	1181.953	39.298
93.600	4.669	26.684	0.402	1.098	1181.952	39.027
93.800	4.516	26.626	0.400	1.100	1181.950	38.757
94.000	4.363	26.569	0.399	1.101	1181.949	38.488
94.200	4.210	26.512	0.398	1.102	1181.948	38.219
94.400	4.057	26.454	0.396	1.104	1181.946	37.952
94.600	3.904	26.397	0.395	1.105	1181.945	37.686
94.800	3.751	26.340	0.394	1.106	1181.944	37.420
95.000	3.598	26.282	0.392	1.108	1181.942	37.156
95.200	3.445	26.225	0.391	1.109	1181.941	36.893

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
95.400	3.291	26.168	0.390	1.110	1181.940	36.630
95.600	3.138	26.110	0.388	1.112	1181.938	36.369
95.800	2.985	26.050	0.387	1.113	1181.937	36.080
96.000	2.832	25.986	0.385	1.115	1181.935	35.792
96.200	2.692	25.923	0.384	1.116	1181.934	35.505
96.400	2.552	25.859	0.382	1.118	1181.932	35.220
96.600	2.411	25.795	0.381	1.119	1181.931	34.935
96.800	2.271	25.732	0.379	1.121	1181.929	34.652
97.000	2.131	25.668	0.378	1.122	1181.928	34.370
97.200	1.990	25.604	0.376	1.124	1181.926	34.090
97.400	1.863	25.541	0.375	1.125	1181.925	33.810
97.600	1.735	25.477	0.373	1.127	1181.923	33.532
97.800	1.607	25.413	0.372	1.128	1181.922	33.255
98.000	1.480	25.350	0.370	1.130	1181.920	32.980
98.200	1.365	25.286	0.369	1.131	1181.919	32.705
98.400	1.250	25.222	0.367	1.133	1181.917	32.418
98.600	1.135	25.152	0.366	1.134	1181.916	32.119
98.800	1.033	25.082	0.364	1.136	1181.914	31.822
99.000	0.931	25.012	0.362	1.138	1181.912	31.526
99.200	0.829	24.942	0.361	1.139	1181.911	31.231
99.400	0.740	24.872	0.359	1.141	1181.909	30.938
99.600	0.651	24.802	0.358	1.142	1181.908	30.646
99.800	0.574	24.732	0.356	1.144	1181.906	30.356
100.000	0.498	24.662	0.354	1.146	1181.904	30.068
100.200	0.434	24.592	0.353	1.147	1181.903	29.780
100.400	0.370	24.522	0.351	1.149	1181.901	29.495
100.600	0.319	24.452	0.349	1.151	1181.899	29.211
100.800	0.268	24.382	0.348	1.152	1181.898	28.928
101.000	0.223	24.312	0.346	1.154	1181.896	28.647
101.200	0.185	24.242	0.344	1.156	1181.894	28.367
101.400	0.153	24.172	0.343	1.157	1181.893	28.088
101.600	0.128	24.102	0.341	1.159	1181.891	27.811
101.800	0.102	24.032	0.340	1.160	1181.890	27.536
102.000	0.083	23.962	0.338	1.162	1181.888	27.249
102.200	0.070	23.885	0.336	1.164	1181.886	26.952
102.400	0.057	23.809	0.334	1.166	1181.884	26.657
102.600	0.045	23.732	0.332	1.168	1181.882	26.363
102.800	0.032	23.656	0.331	1.169	1181.881	26.071
103.000	0.026	23.580	0.329	1.171	1181.879	25.781
103.200	0.026	23.503	0.327	1.173	1181.877	25.492
103.400	0.026	23.427	0.325	1.175	1181.875	25.205
103.600	0.026	23.350	0.324	1.176	1181.874	24.920
103.800	0.026	23.274	0.322	1.178	1181.872	24.636
104.000	0.026	23.198	0.320	1.180	1181.870	24.355
104.200	0.026	23.121	0.318	1.182	1181.868	24.075
104.400	0.026	23.045	0.316	1.184	1181.866	23.796
104.600	0.026	22.968	0.315	1.185	1181.865	23.520
104.800	0.026	22.892	0.313	1.187	1181.863	23.245
105.000	0.026	22.816	0.311	1.189	1181.861	22.972
105.200	0.026	22.739	0.309	1.191	1181.859	22.701
105.400	0.026	22.663	0.307	1.193	1181.857	22.431
105.600	0.026	22.586	0.306	1.194	1181.856	22.163
105.800	0.026	22.510	0.304	1.196	1181.854	21.897
106.000	0.026	22.399	0.302	1.198	1181.852	21.632
106.200	0.026	22.289	0.300	1.200	1181.850	21.369
106.400	0.026	22.178	0.299	1.201	1181.849	21.108
106.600	0.026	22.067	0.297	1.203	1181.847	20.849
106.800	0.026	21.956	0.295	1.205	1181.845	20.591
107.000	0.026	21.846	0.293	1.207	1181.843	20.335
107.200	0.026	21.735	0.291	1.209	1181.841	20.081
107.400	0.026	21.624	0.290	1.210	1181.840	19.828
107.600	0.026	21.514	0.288	1.212	1181.838	19.577
107.800	0.026	21.403	0.286	1.214	1181.836	19.328
108.000	0.026	21.292	0.284	1.216	1181.834	19.080
108.200	0.026	21.182	0.282	1.218	1181.832	18.834
108.400	0.026	21.071	0.281	1.219	1181.831	18.590
108.600	0.026	20.960	0.279	1.221	1181.829	18.347
108.800	0.026	20.849	0.277	1.223	1181.827	18.106
109.000	0.026	20.739	0.275	1.225	1181.825	17.867
109.200	0.026	20.628	0.274	1.226	1181.824	17.629
109.400	0.026	20.517	0.272	1.228	1181.822	17.384
109.600	0.026	20.397	0.270	1.230	1181.820	17.130
109.800	0.026	20.278	0.268	1.232	1181.818	16.878
110.000	0.026	20.158	0.266	1.234	1181.816	16.629
110.200	0.026	20.038	0.264	1.236	1181.814	16.381
110.400	0.026	19.918	0.262	1.238	1181.812	16.135
110.600	0.026	19.798	0.260	1.240	1181.810	15.892
110.800	0.026	19.678	0.258	1.242	1181.808	15.650
111.000	0.026	19.558	0.256	1.244	1181.806	15.410
111.200	0.026	19.438	0.254	1.246	1181.804	15.172
111.400	0.026	19.318	0.252	1.248	1181.802	14.936
111.600	0.026	19.198	0.250	1.250	1181.800	14.702
111.800	0.026	19.078	0.248	1.252	1181.798	14.470

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
112.000	0.026	18.958	0.247	1.253	1181.797	14.240
112.200	0.026	18.838	0.245	1.255	1181.795	14.012
112.400	0.026	18.719	0.243	1.257	1181.793	13.786
112.600	0.026	18.599	0.241	1.259	1181.791	13.561
112.800	0.026	18.479	0.239	1.261	1181.789	13.339
113.000	0.026	18.359	0.237	1.263	1181.787	13.118
113.200	0.026	18.239	0.235	1.265	1181.785	12.900
113.400	0.026	18.119	0.233	1.267	1181.783	12.683
113.600	0.026	17.999	0.231	1.269	1181.781	12.468
113.800	0.026	17.879	0.229	1.271	1181.779	12.255
114.000	0.026	17.759	0.227	1.273	1181.777	12.044
114.200	0.026	17.639	0.225	1.275	1181.775	11.835
114.400	0.026	17.519	0.223	1.277	1181.773	11.628
114.600	0.026	17.399	0.221	1.279	1181.771	11.423
114.800	0.026	17.279	0.219	1.281	1181.769	11.219
115.000	0.026	17.160	0.217	1.283	1181.767	11.018
115.200	0.026	17.040	0.216	1.284	1181.766	10.818
115.400	0.026	16.920	0.214	1.286	1181.764	10.621
115.600	0.026	16.800	0.212	1.288	1181.762	10.425
115.800	0.026	16.680	0.210	1.290	1181.760	10.231
116.000	0.026	16.560	0.208	1.292	1181.758	10.039
116.200	0.026	16.440	0.206	1.294	1181.756	9.849
116.400	0.026	16.320	0.204	1.296	1181.754	9.654
116.600	0.026	16.191	0.202	1.298	1181.752	9.454
116.800	0.026	16.062	0.200	1.300	1181.750	9.256
117.000	0.026	15.933	0.198	1.302	1181.748	9.060
117.200	0.026	15.804	0.196	1.304	1181.746	8.866
117.400	0.026	15.674	0.193	1.307	1181.743	8.674
117.600	0.026	15.545	0.191	1.309	1181.741	8.485
117.800	0.026	15.416	0.189	1.311	1181.739	8.298
118.000	0.026	15.287	0.187	1.313	1181.737	8.113
118.200	0.026	15.158	0.185	1.315	1181.735	7.930
118.400	0.026	15.029	0.183	1.317	1181.733	7.749
118.600	0.026	14.900	0.181	1.319	1181.731	7.570
118.800	0.026	14.770	0.179	1.321	1181.729	7.393
119.000	0.026	14.641	0.177	1.323	1181.727	7.219
119.200	0.026	14.512	0.175	1.325	1181.725	7.047
119.400	0.026	14.383	0.173	1.327	1181.723	6.877
119.600	0.026	14.254	0.171	1.329	1181.721	6.709
119.800	0.026	14.125	0.168	1.332	1181.718	6.543
120.000	0.026	13.995	0.166	1.334	1181.716	6.379
120.200	0.026	13.866	0.164	1.336	1181.714	6.218
120.400	0.026	13.737	0.162	1.338	1181.712	6.059
120.600	0.026	13.608	0.160	1.340	1181.710	5.896
120.800	0.026	13.470	0.158	1.342	1181.708	5.730
121.000	0.026	13.331	0.156	1.344	1181.706	5.566
121.200	0.026	13.193	0.153	1.347	1181.703	5.405
121.400	0.026	13.051	0.151	1.349	1181.701	5.247
121.600	0.026	12.860	0.149	1.351	1181.699	5.091
121.800	0.026	12.668	0.147	1.353	1181.697	4.937
122.000	0.026	12.477	0.144	1.356	1181.694	4.786
122.200	0.026	12.286	0.142	1.358	1181.692	4.637
122.400	0.026	12.094	0.140	1.360	1181.690	4.491
122.600	0.026	11.903	0.138	1.362	1181.688	4.347
122.800	0.026	11.711	0.135	1.365	1181.685	4.205
123.000	0.026	11.520	0.133	1.367	1181.683	4.066
123.200	0.026	11.329	0.131	1.369	1181.681	3.929
123.400	0.026	11.137	0.129	1.371	1181.679	3.794
123.600	0.026	10.946	0.127	1.373	1181.677	3.662
123.800	0.026	10.755	0.124	1.376	1181.674	3.532
124.000	0.026	10.563	0.122	1.378	1181.672	3.405
124.200	0.026	10.372	0.120	1.380	1181.670	3.280
124.400	0.026	10.181	0.118	1.382	1181.668	3.158
124.600	0.026	9.989	0.115	1.385	1181.665	3.038
124.800	0.026	9.798	0.113	1.387	1181.663	2.920
125.000	0.026	9.606	0.111	1.389	1181.661	2.805
125.200	0.026	9.415	0.109	1.391	1181.659	2.692
125.400	0.026	9.224	0.106	1.394	1181.656	2.581
125.600	0.026	9.032	0.104	1.396	1181.654	2.473
125.800	0.026	8.841	0.102	1.398	1181.652	2.367
126.000	0.026	8.650	0.100	1.400	1181.650	2.264
126.200	0.026	8.458	0.098	1.402	1181.648	2.163
126.400	0.026	8.267	0.095	1.405	1181.645	2.064
126.600	0.026	8.076	0.093	1.407	1181.643	1.968
126.800	0.026	7.884	0.091	1.409	1181.641	1.874
127.000	0.026	7.693	0.089	1.411	1181.639	1.782
127.200	0.026	7.501	0.086	1.414	1181.636	1.693
127.400	0.026	7.310	0.084	1.416	1181.634	1.606
127.600	0.026	7.119	0.082	1.418	1181.632	1.521
127.800	0.026	6.927	0.080	1.420	1181.630	1.439
128.000	0.026	6.736	0.077	1.423	1181.627	1.359
128.200	0.026	6.545	0.075	1.425	1181.625	1.281
128.400	0.026	6.353	0.073	1.427	1181.623	1.206

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
128.600	0.026	6.162	0.071	1.429	1181.621	1.132
128.800	0.026	5.971	0.069	1.431	1181.619	1.062
129.000	0.026	5.779	0.066	1.434	1181.616	0.993
129.200	0.026	5.588	0.064	1.436	1181.614	0.927
129.400	0.026	5.396	0.062	1.438	1181.612	0.863
129.600	0.026	5.205	0.060	1.440	1181.610	0.802
129.800	0.026	5.014	0.057	1.443	1181.607	0.743
130.000	0.026	4.822	0.055	1.445	1181.605	0.686
130.200	0.026	4.631	0.053	1.447	1181.603	0.631
130.400	0.026	4.440	0.051	1.449	1181.601	0.579
130.600	0.026	4.248	0.048	1.452	1181.598	0.529
130.800	0.026	4.057	0.046	1.454	1181.596	0.481
131.000	0.026	3.866	0.044	1.456	1181.594	0.436
131.200	0.026	3.674	0.042	1.458	1181.592	0.393
131.400	0.026	3.483	0.040	1.461	1181.590	0.352
131.600	0.026	3.298	0.037	1.463	1181.587	0.316
131.800	0.026	3.119	0.035	1.465	1181.585	0.282
132.000	0.026	2.941	0.033	1.467	1181.583	0.249
132.200	0.026	2.762	0.031	1.469	1181.581	0.219
132.400	0.026	2.590	0.029	1.471	1181.579	0.193
132.600	0.026	2.424	0.027	1.473	1181.577	0.168
132.800	0.026	2.258	0.025	1.475	1181.575	0.145
133.000	0.026	2.092	0.024	1.477	1181.574	0.125
133.200	0.026	1.939	0.022	1.478	1181.572	0.106
133.400	0.026	1.786	0.020	1.480	1181.570	0.090
133.600	0.026	1.633	0.018	1.482	1181.568	0.075
133.800	0.026	1.493	0.017	1.483	1181.567	0.062
134.000	0.026	1.352	0.015	1.485	1181.565	0.051
134.200	0.026	1.225	0.014	1.486	1181.564	0.041
134.400	0.026	1.097	0.012	1.488	1181.562	0.033
134.600	0.026	0.982	0.011	1.489	1181.561	0.026
134.800	0.026	0.868	0.010	1.490	1181.560	0.020
135.000	0.026	0.765	0.008	1.492	1181.558	0.016
135.200	0.026	0.670	0.007	1.493	1181.557	0.012
135.400	0.026	0.580	0.006	1.494	1181.556	0.009
135.600	0.026	0.504	0.005	1.495	1181.555	0.007
135.800	0.026	0.434	0.005	1.495	1181.555	0.005
136.000	0.026	0.370	0.004	1.496	1181.554	0.004
136.200	0.026	0.319	0.003	1.497	1181.553	0.003
136.400	0.026	0.268	0.003	1.497	1181.553	0.002
136.600	0.026	0.230	0.002	1.498	1181.552	0.001
136.800	0.026	0.191	0.002	1.498	1181.552	0.001
137.000	0.026	0.166	0.002	1.498	1181.552	0.001
137.200	0.026	0.140	0.001	1.499	1181.551	0.000
137.400	0.026	0.115	0.001	1.499	1181.551	0.000
137.600	0.026	0.102	0.001	1.499	1181.551	0.000
137.800	0.026	0.089	0.001	1.499	1181.551	0.000
138.000	0.026	0.077	0.001	1.499	1181.551	0.000
138.200	0.026	0.064	0.001	1.499	1181.551	0.000
138.400	0.026	0.051	0.001	1.499	1181.551	0.000
138.600	0.026	0.051	0.001	1.499	1181.551	0.000





ARQUITETURA + URBANISMO
 CLN 207 BL B SL 200 - CEP 70.743.920
 BRASÍLIA - DF - FONE: 61 3214 3707

CANAL: PO-09C

DATA: 18.12.2019

IMPUT DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	138.633	COTA DE FUNDO JUSANTE (m)			
VAZÃO DE SAÍDA MAX. (l/s)	22.40	88.297	COTA VERTEDOIRO (m)			
PROFUNDIDADE MAX. (m)	22.20	0.429	COTA DO ORIFÍCIO (m)			
FREEBOARD MIN. (m)	22.20	1.071	VERTEDOIRO DE CONTROLE (cm)			
NA MAX. (m)	22.20	1,179.679	VERTEDOIRO DE DESCARGA (cm)			
VOLUME MAX (m³)	22.20	47.69	DRENO DE FUNDO 3X ø (mm)			
VOLUME TOTAL (m³)		419.58	COEF. DE DESCARGA DO VERTEDOIRO			
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO			
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1179.250	0.000
0.200	1.530	0.000	0.002	1.498	1179.252	0.001
0.400	3.264	0.568	0.006	1.494	1179.256	0.009
0.600	5.157	1.295	0.011	1.489	1179.261	0.030
0.800	7.114	2.114	0.017	1.483	1179.267	0.066
1.000	9.097	2.966	0.022	1.478	1179.272	0.119
1.200	11.092	3.829	0.028	1.472	1179.278	0.188
1.400	13.100	4.716	0.034	1.466	1179.284	0.275
1.600	15.108	5.602	0.040	1.460	1179.290	0.377
1.800	17.116	6.489	0.045	1.455	1179.295	0.496
2.000	19.125	7.375	0.051	1.449	1179.301	0.631
2.200	21.133	8.261	0.057	1.443	1179.307	0.783
2.400	23.135	9.136	0.063	1.437	1179.313	0.947
2.600	25.130	10.000	0.068	1.432	1179.318	1.124
2.800	27.113	10.841	0.074	1.426	1179.324	1.314
3.000	29.095	11.682	0.079	1.421	1179.329	1.519
3.200	31.078	12.522	0.085	1.415	1179.335	1.740
3.400	33.054	13.363	0.090	1.410	1179.340	1.972
3.600	35.024	14.182	0.096	1.404	1179.346	2.215
3.800	36.994	15.000	0.101	1.399	1179.351	2.473
4.000	38.964	15.818	0.106	1.394	1179.356	2.745
4.200	40.933	16.636	0.112	1.388	1179.362	3.032
4.400	42.903	17.454	0.117	1.383	1179.367	3.333
4.600	44.867	18.272	0.122	1.378	1179.372	3.650
4.800	46.824	19.091	0.128	1.372	1179.378	3.981
5.000	48.781	19.909	0.133	1.367	1179.383	4.327
5.200	50.738	20.727	0.138	1.362	1179.388	4.687
5.400	52.695	21.534	0.144	1.356	1179.394	5.052
5.600	54.652	22.329	0.149	1.351	1179.399	5.431
5.800	56.579	23.125	0.154	1.346	1179.404	5.823
6.000	58.409	24.195	0.159	1.341	1179.409	6.230
6.200	60.239	25.329	0.164	1.336	1179.414	6.646
6.400	62.069	26.430	0.169	1.331	1179.419	7.068
6.600	63.899	27.531	0.174	1.326	1179.424	7.505
6.800	65.729	28.616	0.179	1.321	1179.429	7.941
7.000	67.559	29.685	0.184	1.316	1179.434	8.391
7.200	69.389	30.754	0.189	1.311	1179.439	8.853
7.400	71.219	31.823	0.194	1.306	1179.444	9.328
7.600	73.049	32.875	0.199	1.301	1179.449	9.800
7.800	74.879	33.912	0.204	1.296	1179.454	10.285
8.000	76.699	34.948	0.208	1.292	1179.458	10.782
8.200	78.520	35.985	0.213	1.287	1179.463	11.292
8.400	80.341	37.021	0.218	1.282	1179.468	11.814
8.600	82.162	38.057	0.223	1.277	1179.473	12.339
8.800	83.982	39.062	0.227	1.273	1179.477	12.869
9.000	85.803	40.066	0.232	1.268	1179.482	13.409
9.200	87.624	41.070	0.236	1.264	1179.486	13.962
9.400	89.444	42.074	0.241	1.259	1179.491	14.526
9.600	91.265	43.078	0.246	1.254	1179.496	15.101
9.800	93.086	44.082	0.250	1.250	1179.500	15.688
10.000	94.906	45.086	0.255	1.245	1179.505	16.287
10.200	96.727	46.090	0.260	1.240	1179.510	16.898
10.400	98.548	47.094	0.264	1.236	1179.514	17.521
10.600	100.369	48.082	0.269	1.231	1179.519	18.135
10.800	102.189	49.053	0.273	1.227	1179.523	18.760
11.000	104.010	50.025	0.278	1.222	1179.528	19.397
11.200	105.831	50.997	0.282	1.218	1179.532	20.044
11.400	107.651	51.968	0.286	1.214	1179.536	20.703
11.600	109.445	52.940	0.291	1.209	1179.541	21.373
11.800	111.166	53.912	0.295	1.205	1179.545	22.054
12.000	112.886	54.883	0.300	1.200	1179.550	22.746
12.200	114.607	55.855	0.304	1.196	1179.554	23.450
12.400	116.328	56.898	0.309	1.191	1179.559	24.165
12.600	118.048	58.047	0.313	1.187	1179.563	24.892
12.800	119.769	59.177	0.318	1.182	1179.568	25.605
13.000	121.490	60.288	0.322	1.178	1179.572	26.329
13.200	123.204	61.400	0.326	1.174	1179.576	27.064

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	124.918	62.511	0.331	1.169	1179.581	27.810
13.600	126.633	63.622	0.335	1.165	1179.585	28.566
13.800	128.347	64.733	0.339	1.161	1179.589	29.333
14.000	130.061	65.844	0.343	1.157	1179.593	30.111
14.200	131.776	66.955	0.348	1.152	1179.598	30.886
14.400	133.490	68.028	0.352	1.148	1179.602	31.657
14.600	135.204	69.101	0.356	1.144	1179.606	32.439
14.800	136.919	70.174	0.360	1.140	1179.610	33.231
15.000	138.633	71.247	0.364	1.136	1179.614	34.033
15.200	137.352	72.319	0.368	1.132	1179.618	34.831
15.400	136.067	73.335	0.372	1.128	1179.622	35.595
15.600	134.776	74.312	0.376	1.124	1179.626	36.337
15.800	133.479	75.251	0.380	1.120	1179.630	37.043
16.000	132.175	76.132	0.383	1.117	1179.633	37.725
16.200	130.868	76.975	0.386	1.114	1179.636	38.383
16.400	129.555	77.779	0.389	1.111	1179.639	39.016
16.600	128.239	78.546	0.392	1.108	1179.642	39.624
16.800	126.916	79.274	0.395	1.105	1179.645	40.205
17.000	125.590	79.963	0.397	1.103	1179.647	40.758
17.200	124.258	80.615	0.400	1.100	1179.650	41.300
17.400	122.922	81.247	0.402	1.098	1179.652	41.813
17.600	121.584	81.841	0.405	1.095	1179.655	42.297
17.800	120.242	82.416	0.407	1.093	1179.657	42.769
18.000	118.897	82.952	0.409	1.091	1179.659	43.210
18.200	117.519	83.450	0.411	1.089	1179.661	43.637
18.400	116.140	83.929	0.412	1.088	1179.662	44.033
18.600	114.756	84.370	0.414	1.086	1179.664	44.398
18.800	113.370	84.791	0.416	1.084	1179.666	44.748
19.000	111.981	85.174	0.417	1.083	1179.667	45.083
19.200	110.589	85.538	0.419	1.082	1179.669	45.385
19.400	109.195	85.883	0.420	1.080	1179.670	45.671
19.600	107.798	86.190	0.421	1.079	1179.671	45.942
19.800	106.398	86.477	0.422	1.078	1179.672	46.179
20.000	104.996	86.745	0.423	1.077	1179.673	46.417
20.200	103.592	86.994	0.424	1.076	1179.674	46.622
20.400	102.187	87.224	0.425	1.075	1179.675	46.810
20.600	100.777	87.416	0.425	1.075	1179.675	46.981
20.800	99.368	87.607	0.426	1.074	1179.676	47.136
21.000	97.953	87.760	0.427	1.073	1179.677	47.273
21.200	96.538	87.895	0.427	1.073	1179.677	47.376
21.400	95.120	88.010	0.428	1.072	1179.678	47.480
21.600	93.700	88.105	0.428	1.072	1179.678	47.549
21.800	92.280	88.182	0.428	1.072	1179.678	47.618
22.000	90.854	88.239	0.428	1.072	1179.678	47.652
22.200	89.429	88.278	0.429	1.071	1179.679	47.687
22.400	88.004	88.297	0.429	1.071	1179.679	47.687
22.600	86.573	88.297	0.429	1.071	1179.679	47.687
22.800	85.143	88.278	0.428	1.072	1179.678	47.652
23.000	83.710	88.239	0.428	1.072	1179.678	47.618
23.200	82.274	88.182	0.428	1.072	1179.678	47.549
23.400	80.838	88.105	0.428	1.072	1179.678	47.480
23.600	79.400	88.010	0.427	1.073	1179.677	47.376
23.800	77.959	87.895	0.427	1.073	1179.677	47.273
24.000	76.518	87.760	0.426	1.074	1179.676	47.136
24.200	75.072	87.607	0.426	1.074	1179.676	46.998
24.400	73.626	87.454	0.425	1.075	1179.675	46.844
24.600	72.180	87.262	0.424	1.076	1179.674	46.673
24.800	70.729	87.071	0.423	1.077	1179.673	46.486
25.000	69.278	86.841	0.422	1.078	1179.672	46.281
25.200	67.824	86.611	0.421	1.079	1179.671	46.061
25.400	66.368	86.343	0.420	1.080	1179.670	45.823
25.600	64.911	86.075	0.419	1.081	1179.669	45.587
25.800	63.452	85.787	0.418	1.082	1179.668	45.318
26.000	61.991	85.481	0.417	1.083	1179.667	45.049
26.200	60.529	85.174	0.416	1.084	1179.666	44.765
26.400	59.062	84.829	0.414	1.086	1179.664	44.465
26.600	57.595	84.485	0.413	1.087	1179.663	44.149
26.800	56.129	84.101	0.412	1.089	1179.662	43.818
27.000	54.657	83.718	0.410	1.090	1179.660	43.489
27.200	53.185	83.316	0.408	1.092	1179.658	43.128
27.400	51.713	82.894	0.407	1.093	1179.657	42.769
27.600	50.236	82.454	0.405	1.095	1179.655	42.378
27.800	48.759	81.994	0.403	1.097	1179.653	41.990
28.000	47.279	81.534	0.401	1.099	1179.651	41.588
28.200	45.797	81.036	0.399	1.101	1179.649	41.172
28.400	44.314	80.538	0.397	1.103	1179.647	40.742
28.600	42.829	80.002	0.395	1.105	1179.645	40.299
28.800	41.342	79.465	0.393	1.107	1179.643	39.859
29.000	39.854	78.910	0.391	1.109	1179.641	39.389
29.200	38.362	78.335	0.389	1.111	1179.639	38.923
29.400	36.869	77.741	0.386	1.114	1179.636	38.429
29.600	35.376	77.128	0.384	1.116	1179.634	37.939
29.800	33.879	76.515	0.382	1.118	1179.632	37.436

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	32.381	75.864	0.379	1.121	1179.629	36.922
30.200	32.381	75.212	0.376	1.124	1179.626	36.412
30.400	32.381	74.561	0.374	1.126	1179.624	35.906
30.600	32.381	73.910	0.371	1.129	1179.621	35.403
30.800	32.381	73.258	0.369	1.131	1179.619	34.904
31.000	32.381	72.607	0.366	1.134	1179.616	34.409
31.200	32.381	71.955	0.364	1.136	1179.614	33.932
31.400	32.381	71.342	0.362	1.139	1179.612	33.473
31.600	32.381	70.729	0.359	1.141	1179.609	33.018
31.800	32.381	70.116	0.357	1.143	1179.607	32.566
32.000	32.381	69.503	0.354	1.146	1179.604	32.117
32.200	32.375	68.890	0.352	1.148	1179.602	31.671
32.400	32.370	68.277	0.350	1.150	1179.600	31.229
32.600	32.365	67.664	0.347	1.153	1179.597	30.804
32.800	32.360	67.089	0.345	1.155	1179.595	30.395
33.000	32.355	66.515	0.343	1.157	1179.593	29.990
33.200	32.350	65.940	0.341	1.159	1179.591	29.587
33.400	32.344	65.365	0.338	1.162	1179.588	29.187
33.600	32.339	64.791	0.336	1.164	1179.586	28.790
33.800	32.334	64.216	0.334	1.166	1179.584	28.396
34.000	32.329	63.660	0.332	1.168	1179.582	28.030
34.200	32.324	63.124	0.330	1.170	1179.580	27.667
34.400	32.318	62.587	0.328	1.172	1179.578	27.307
34.600	32.313	62.051	0.326	1.174	1179.576	26.949
34.800	32.308	61.515	0.323	1.177	1179.573	26.594
35.000	32.303	60.978	0.321	1.179	1179.571	26.241
35.200	32.298	60.442	0.319	1.181	1179.569	25.903
35.400	32.293	59.944	0.317	1.183	1179.567	25.580
35.600	32.287	59.446	0.316	1.184	1179.566	25.259
35.800	32.282	58.947	0.314	1.186	1179.564	24.941
36.000	32.277	58.449	0.312	1.188	1179.562	24.624
36.200	32.272	57.951	0.310	1.190	1179.560	24.310
36.400	32.267	57.453	0.308	1.192	1179.558	23.997
36.600	32.262	56.955	0.306	1.194	1179.556	23.699
36.800	32.256	56.495	0.304	1.196	1179.554	23.415
37.000	32.251	56.098	0.302	1.198	1179.552	23.132
37.200	32.246	55.709	0.301	1.199	1179.551	22.851
37.400	32.241	55.320	0.299	1.201	1179.549	22.572
37.600	32.236	54.932	0.297	1.203	1179.547	22.295
37.800	32.230	54.543	0.295	1.205	1179.545	22.020
38.000	32.225	54.154	0.293	1.207	1179.543	21.746
38.200	32.220	53.782	0.292	1.208	1179.542	21.497
38.400	32.215	53.426	0.290	1.210	1179.540	21.249
38.600	32.210	53.069	0.289	1.212	1179.539	21.003
38.800	32.205	52.713	0.287	1.213	1179.537	20.758
39.000	32.199	52.357	0.285	1.215	1179.535	20.515
39.200	32.194	52.001	0.284	1.216	1179.534	20.273
39.400	32.189	51.644	0.282	1.218	1179.532	20.033
39.600	32.184	51.288	0.280	1.220	1179.530	19.795
39.800	32.179	50.932	0.279	1.221	1179.529	19.568
40.000	32.173	50.608	0.277	1.223	1179.527	19.354
40.200	32.168	50.284	0.276	1.224	1179.526	19.141
40.400	32.163	49.960	0.274	1.226	1179.524	18.929
40.600	32.158	49.636	0.273	1.227	1179.523	18.718
40.800	32.153	49.312	0.271	1.229	1179.521	18.509
41.000	32.148	48.989	0.270	1.230	1179.520	18.300
41.200	32.142	48.665	0.268	1.232	1179.518	18.094
41.400	32.137	48.341	0.267	1.233	1179.517	17.898
41.600	32.132	48.049	0.266	1.234	1179.516	17.714
41.800	32.127	47.758	0.264	1.236	1179.514	17.531
42.000	32.122	47.466	0.263	1.237	1179.513	17.349
42.200	32.116	47.175	0.262	1.238	1179.512	17.168
42.400	32.111	46.883	0.260	1.240	1179.510	16.988
42.600	32.106	46.592	0.259	1.241	1179.509	16.809
42.800	32.101	46.300	0.258	1.242	1179.508	16.631
43.000	32.096	46.009	0.256	1.244	1179.506	16.463
43.200	32.091	45.750	0.255	1.245	1179.505	16.307
43.400	32.085	45.491	0.254	1.246	1179.504	16.151
43.600	32.080	45.231	0.253	1.247	1179.503	15.996
43.800	32.075	44.972	0.252	1.248	1179.502	15.842
44.000	32.070	44.713	0.250	1.250	1179.500	15.688
44.200	32.065	44.454	0.249	1.251	1179.499	15.536
44.400	32.060	44.195	0.248	1.252	1179.498	15.384
44.600	32.054	43.936	0.247	1.253	1179.497	15.233
44.800	32.049	43.693	0.246	1.254	1179.496	15.101
45.000	32.044	43.466	0.245	1.255	1179.495	14.970
45.200	32.039	43.240	0.244	1.256	1179.494	14.840
45.400	32.034	43.013	0.243	1.257	1179.493	14.710
45.600	32.028	42.786	0.242	1.258	1179.492	14.581
45.800	32.023	42.559	0.241	1.260	1179.491	14.452
46.000	32.018	42.333	0.239	1.261	1179.489	14.324
46.200	32.013	42.106	0.238	1.262	1179.488	14.197
46.400	32.008	41.879	0.237	1.263	1179.487	14.070

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
46.600	32.003	41.669	0.236	1.264	1179.486	13.962
46.800	31.997	41.474	0.236	1.264	1179.486	13.854
47.000	31.992	41.280	0.235	1.265	1179.485	13.746
47.200	31.987	41.086	0.234	1.266	1179.484	13.640
47.400	31.982	40.891	0.233	1.267	1179.483	13.533
47.600	31.977	40.697	0.232	1.268	1179.482	13.427
47.800	31.971	40.503	0.231	1.269	1179.481	13.321
48.000	31.961	40.308	0.230	1.270	1179.480	13.216
48.200	31.951	40.114	0.229	1.271	1179.479	13.111
48.400	31.940	39.920	0.228	1.272	1179.478	13.007
48.600	31.930	39.742	0.228	1.272	1179.478	12.920
48.800	31.920	39.580	0.227	1.273	1179.477	12.834
49.000	31.909	39.418	0.226	1.274	1179.476	12.748
49.200	31.899	39.256	0.225	1.275	1179.475	12.662
49.400	31.889	39.094	0.225	1.275	1179.475	12.577
49.600	31.878	38.932	0.224	1.276	1179.474	12.492
49.800	31.868	38.770	0.223	1.277	1179.473	12.407
50.000	31.858	38.608	0.222	1.278	1179.472	12.323
50.200	31.847	38.446	0.222	1.278	1179.472	12.238
50.400	31.837	38.284	0.221	1.279	1179.471	12.155
50.600	31.826	38.122	0.220	1.280	1179.470	12.071
50.800	31.816	37.977	0.220	1.280	1179.470	12.004
51.000	31.806	37.847	0.219	1.281	1179.469	11.938
51.200	31.795	37.717	0.218	1.282	1179.468	11.872
51.400	31.785	37.588	0.218	1.282	1179.468	11.805
51.600	31.775	37.458	0.217	1.283	1179.467	11.740
51.800	31.764	37.329	0.217	1.283	1179.467	11.674
52.000	31.754	37.199	0.216	1.284	1179.466	11.608
52.200	31.744	37.070	0.216	1.285	1179.466	11.543
52.400	31.733	36.940	0.215	1.285	1179.465	11.478
52.600	31.723	36.811	0.214	1.286	1179.464	11.413
52.800	31.713	36.681	0.214	1.286	1179.464	11.348
53.000	31.702	36.551	0.213	1.287	1179.463	11.284
53.200	31.692	36.422	0.213	1.287	1179.463	11.219
53.400	31.681	36.309	0.212	1.288	1179.462	11.171
53.600	31.671	36.211	0.212	1.288	1179.462	11.123
53.800	31.661	36.114	0.211	1.289	1179.461	11.075
54.000	31.650	36.017	0.211	1.289	1179.461	11.028
54.200	31.640	35.920	0.210	1.290	1179.460	10.980
54.400	31.630	35.823	0.210	1.290	1179.460	10.932
54.600	31.619	35.726	0.209	1.291	1179.459	10.885
54.800	31.609	35.628	0.209	1.291	1179.459	10.837
55.000	31.599	35.531	0.209	1.292	1179.459	10.790
55.200	31.588	35.434	0.208	1.292	1179.458	10.743
55.400	31.578	35.337	0.208	1.292	1179.458	10.696
55.600	31.568	35.240	0.207	1.293	1179.457	10.649
55.800	31.557	35.143	0.207	1.293	1179.457	10.602
56.000	31.547	35.045	0.206	1.294	1179.456	10.556
56.200	31.536	34.948	0.206	1.294	1179.456	10.509
56.400	31.526	34.851	0.205	1.295	1179.455	10.462
56.600	31.516	34.754	0.205	1.295	1179.455	10.416
56.800	31.505	34.673	0.205	1.295	1179.455	10.385
57.000	31.495	34.608	0.204	1.296	1179.454	10.354
57.200	31.485	34.543	0.204	1.296	1179.454	10.324
57.400	31.474	34.479	0.204	1.296	1179.454	10.293
57.600	31.464	34.414	0.203	1.297	1179.453	10.262
57.800	31.454	34.349	0.203	1.297	1179.453	10.232
58.000	31.443	34.284	0.203	1.297	1179.453	10.201
58.200	31.433	34.219	0.203	1.297	1179.453	10.171
58.400	31.423	34.155	0.202	1.298	1179.452	10.140
58.600	31.412	34.090	0.202	1.298	1179.452	10.110
58.800	31.402	34.025	0.202	1.298	1179.452	10.079
59.000	31.391	33.960	0.201	1.299	1179.451	10.049
59.200	31.381	33.896	0.201	1.299	1179.451	10.019
59.400	31.371	33.831	0.201	1.299	1179.451	9.988
59.600	31.360	33.766	0.200	1.300	1179.450	9.958
59.800	31.350	33.701	0.200	1.300	1179.450	9.928
60.000	31.340	33.636	0.200	1.300	1179.450	9.898
60.200	31.329	33.572	0.200	1.300	1179.450	9.868
60.400	31.319	33.507	0.199	1.301	1179.449	9.838
60.600	31.309	33.442	0.199	1.301	1179.449	9.808
60.800	31.298	33.377	0.199	1.301	1179.449	9.778
61.000	31.288	33.313	0.198	1.302	1179.448	9.748
61.200	31.272	33.248	0.198	1.302	1179.448	9.718
61.400	31.257	33.183	0.198	1.302	1179.448	9.689
61.600	31.241	33.118	0.197	1.303	1179.447	9.659
61.800	31.226	33.070	0.197	1.303	1179.447	9.644
62.000	31.210	33.037	0.197	1.303	1179.447	9.629
62.200	31.195	33.005	0.197	1.303	1179.447	9.614
62.400	31.179	32.973	0.197	1.303	1179.447	9.600
62.600	31.164	32.940	0.197	1.303	1179.447	9.585
62.800	31.148	32.908	0.197	1.303	1179.447	9.570
63.000	31.132	32.875	0.196	1.304	1179.446	9.555

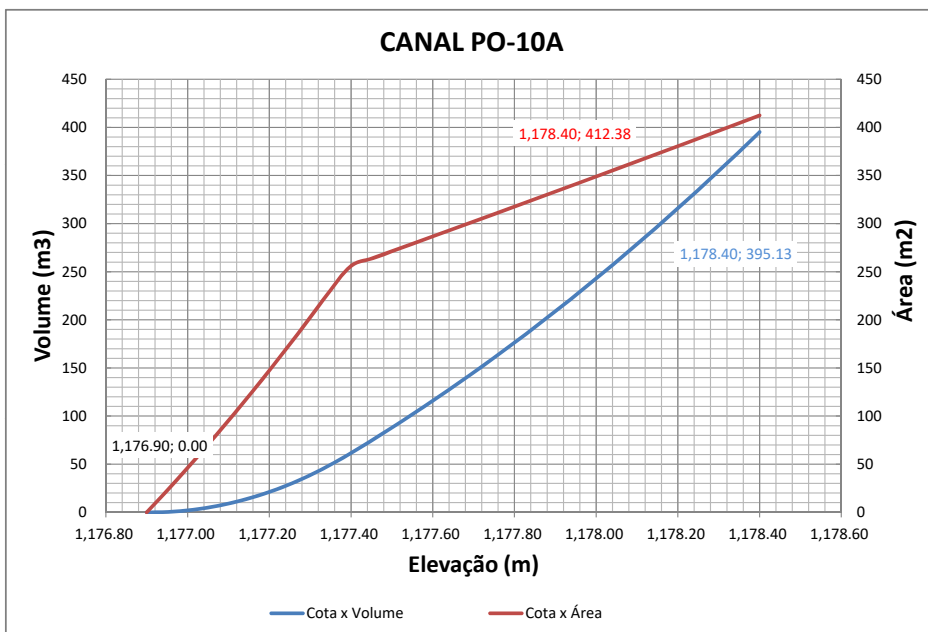
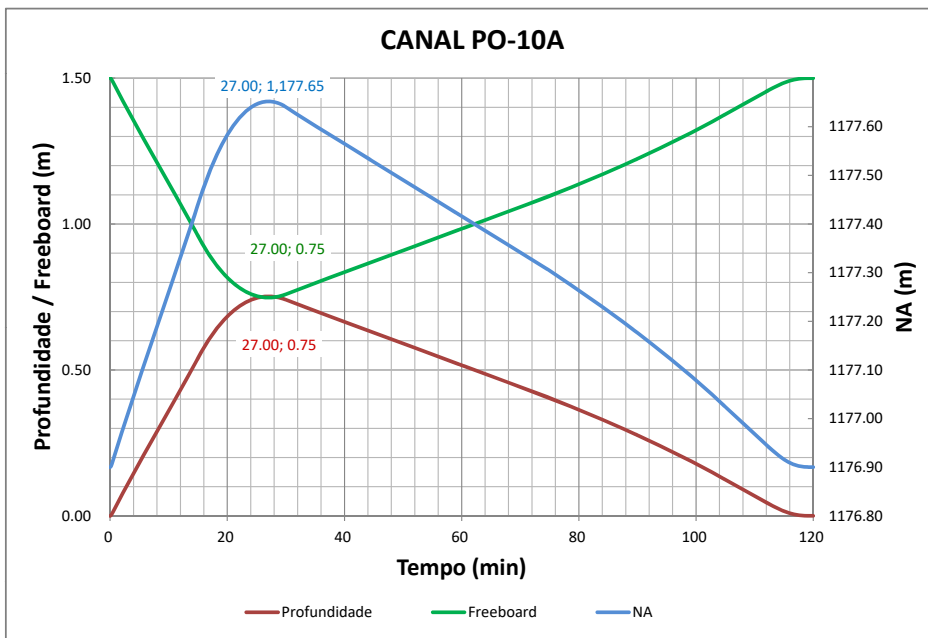
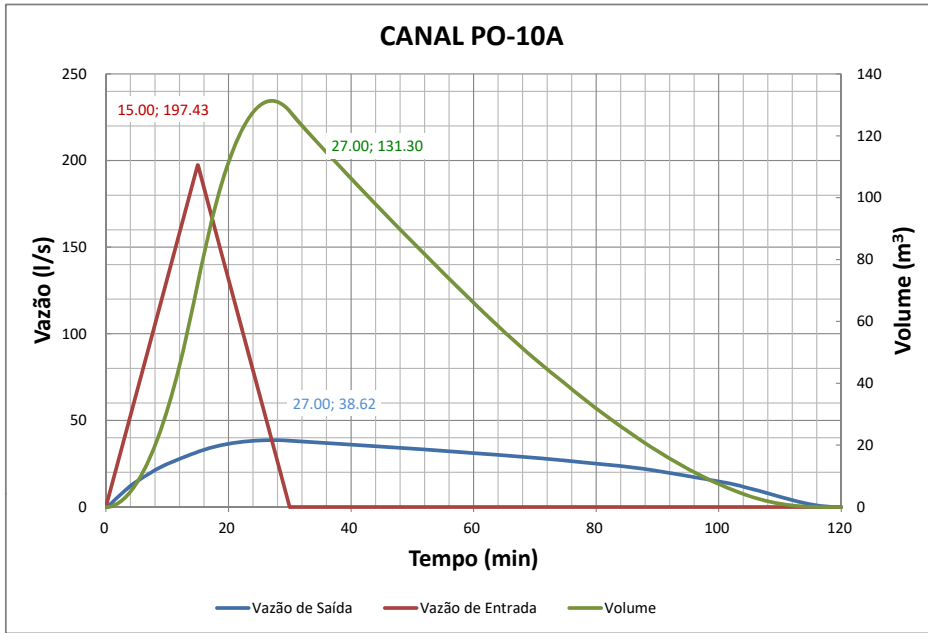
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
63.200	31.117	32.843	0.196	1.304	1179.446	9.540
63.400	31.101	32.811	0.196	1.304	1179.446	9.526
63.600	31.086	32.778	0.196	1.304	1179.446	9.511
63.800	31.070	32.746	0.196	1.304	1179.446	9.496
64.000	31.055	32.713	0.196	1.304	1179.446	9.482
64.200	31.039	32.681	0.196	1.304	1179.446	9.467
64.400	31.024	32.649	0.195	1.305	1179.445	9.452
64.600	31.008	32.616	0.195	1.305	1179.445	9.437
64.800	30.993	32.584	0.195	1.305	1179.445	9.423
65.000	30.977	32.551	0.195	1.305	1179.445	9.408
65.200	30.962	32.519	0.195	1.305	1179.445	9.394
65.400	30.946	32.487	0.195	1.305	1179.445	9.379
65.600	30.931	32.454	0.195	1.305	1179.445	9.364
65.800	30.915	32.422	0.194	1.306	1179.444	9.350
66.000	30.899	32.390	0.194	1.306	1179.444	9.335
66.200	30.884	32.357	0.194	1.306	1179.444	9.320
66.400	30.868	32.325	0.194	1.306	1179.444	9.306
66.600	30.853	32.292	0.194	1.306	1179.444	9.291
66.800	30.837	32.260	0.194	1.306	1179.444	9.277
67.000	30.822	32.228	0.193	1.307	1179.443	9.262
67.200	30.806	32.195	0.193	1.307	1179.443	9.248
67.400	30.791	32.163	0.193	1.307	1179.443	9.233
67.600	30.775	32.130	0.193	1.307	1179.443	9.219
67.800	30.760	32.098	0.193	1.307	1179.443	9.204
68.000	30.744	32.066	0.193	1.307	1179.443	9.190
68.200	30.729	32.033	0.193	1.307	1179.443	9.175
68.400	30.713	32.001	0.192	1.308	1179.442	9.161
68.600	30.697	31.968	0.192	1.308	1179.442	9.146
68.800	30.682	31.936	0.192	1.308	1179.442	9.132
69.000	30.666	31.904	0.192	1.308	1179.442	9.118
69.200	30.651	31.871	0.192	1.308	1179.442	9.103
69.400	30.635	31.839	0.192	1.308	1179.442	9.089
69.600	30.620	31.807	0.192	1.308	1179.442	9.074
69.800	30.604	31.774	0.191	1.309	1179.441	9.060
70.000	30.589	31.742	0.191	1.309	1179.441	9.046
70.200	30.568	31.709	0.191	1.309	1179.441	9.031
70.400	30.547	31.677	0.191	1.309	1179.441	9.017
70.600	30.527	31.645	0.191	1.309	1179.441	9.003
70.800	30.506	31.612	0.191	1.309	1179.441	8.988
71.000	30.485	31.580	0.190	1.310	1179.440	8.974
71.200	30.464	31.547	0.190	1.310	1179.440	8.960
71.400	30.444	31.515	0.190	1.310	1179.440	8.945
71.600	30.423	31.483	0.190	1.310	1179.440	8.931
71.800	30.402	31.450	0.190	1.310	1179.440	8.917
72.000	30.382	31.418	0.190	1.310	1179.440	8.903
72.200	30.361	31.386	0.190	1.310	1179.440	8.888
72.400	30.340	31.353	0.189	1.311	1179.439	8.874
72.600	30.319	31.321	0.189	1.311	1179.439	8.860
72.800	30.299	31.288	0.189	1.311	1179.439	8.846
73.000	30.278	31.256	0.189	1.311	1179.439	8.832
73.200	30.257	31.224	0.189	1.311	1179.439	8.817
73.400	30.237	31.191	0.189	1.311	1179.439	8.803
73.600	30.216	31.159	0.189	1.311	1179.439	8.789
73.800	30.195	31.126	0.188	1.312	1179.438	8.775
74.000	30.174	31.094	0.188	1.312	1179.438	8.761
74.200	30.154	31.062	0.188	1.312	1179.438	8.747
74.400	30.133	31.029	0.188	1.312	1179.438	8.733
74.600	30.112	30.997	0.188	1.312	1179.438	8.719
74.800	30.091	30.964	0.188	1.312	1179.438	8.704
75.000	30.071	30.932	0.188	1.312	1179.438	8.690
75.200	30.050	30.900	0.187	1.313	1179.437	8.676
75.400	30.029	30.867	0.187	1.313	1179.437	8.662
75.600	30.009	30.835	0.187	1.313	1179.437	8.648
75.800	29.988	30.803	0.187	1.313	1179.437	8.634
76.000	29.967	30.770	0.187	1.313	1179.437	8.620
76.200	29.946	30.738	0.187	1.313	1179.437	8.606
76.400	29.926	30.705	0.186	1.314	1179.436	8.592
76.600	29.905	30.673	0.186	1.314	1179.436	8.578
76.800	29.884	30.641	0.186	1.314	1179.436	8.564
77.000	29.858	30.608	0.186	1.314	1179.436	8.550
77.200	29.833	30.576	0.186	1.314	1179.436	8.536
77.400	29.807	30.543	0.186	1.314	1179.436	8.523
77.600	29.781	30.511	0.186	1.314	1179.436	8.509
77.800	29.755	30.479	0.185	1.315	1179.435	8.495
78.000	29.729	30.446	0.185	1.315	1179.435	8.481
78.200	29.703	30.414	0.185	1.315	1179.435	8.467
78.400	29.677	30.381	0.185	1.315	1179.435	8.453
78.600	29.651	30.349	0.185	1.315	1179.435	8.439
78.800	29.625	30.317	0.185	1.315	1179.435	8.425
79.000	29.599	30.284	0.185	1.315	1179.435	8.412

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
79.200	29.574	30.252	0.184	1.316	1179.434	8.398
79.400	29.548	30.220	0.184	1.316	1179.434	8.384
79.600	29.522	30.187	0.184	1.316	1179.434	8.370
79.800	29.496	30.155	0.184	1.316	1179.434	8.356
80.000	29.470	30.122	0.184	1.316	1179.434	8.343
80.200	29.444	30.090	0.184	1.316	1179.434	8.329
80.400	29.418	30.058	0.184	1.317	1179.434	8.315
80.600	29.392	30.025	0.183	1.317	1179.433	8.301
80.800	29.366	29.993	0.183	1.317	1179.433	8.288
81.000	29.341	29.960	0.183	1.317	1179.433	8.274
81.200	29.315	29.928	0.183	1.317	1179.433	8.260
81.400	29.289	29.896	0.183	1.317	1179.433	8.246
81.600	29.263	29.863	0.183	1.317	1179.433	8.233
81.800	29.237	29.831	0.182	1.318	1179.432	8.219
82.000	29.211	29.798	0.182	1.318	1179.432	8.205
82.200	29.185	29.766	0.182	1.318	1179.432	8.192
82.400	29.159	29.734	0.182	1.318	1179.432	8.178
82.600	29.133	29.701	0.182	1.318	1179.432	8.165
82.800	29.107	29.668	0.182	1.318	1179.432	8.152
83.000	29.071	29.635	0.182	1.318	1179.432	8.144
83.200	29.040	29.620	0.181	1.319	1179.431	8.131
83.400	29.004	29.588	0.181	1.319	1179.431	8.117
83.600	28.966	29.556	0.181	1.319	1179.431	8.103
83.800	28.928	29.523	0.181	1.319	1179.431	8.090
84.000	28.890	29.491	0.181	1.319	1179.431	8.076
84.200	28.852	29.458	0.181	1.319	1179.431	8.063
84.400	28.813	29.426	0.181	1.319	1179.431	8.049
84.600	28.775	29.394	0.180	1.320	1179.430	8.036
84.800	28.737	29.361	0.180	1.320	1179.430	8.022
85.000	28.699	29.329	0.180	1.320	1179.430	8.009
85.200	28.661	29.296	0.180	1.320	1179.430	7.995
85.400	28.622	29.264	0.180	1.320	1179.430	7.982
85.600	28.584	29.232	0.180	1.320	1179.430	7.968
85.800	28.546	29.199	0.180	1.320	1179.430	7.955
86.000	28.508	29.167	0.179	1.321	1179.429	7.941
86.200	28.469	29.135	0.179	1.321	1179.429	7.928
86.400	28.431	29.102	0.179	1.321	1179.429	7.915
86.600	28.387	29.070	0.179	1.321	1179.429	7.901
86.800	28.342	29.037	0.179	1.321	1179.429	7.888
87.000	28.298	29.005	0.179	1.321	1179.429	7.875
87.200	28.253	28.973	0.179	1.321	1179.429	7.861
87.400	28.208	28.940	0.178	1.322	1179.428	7.848
87.600	28.164	28.908	0.178	1.322	1179.428	7.834
87.800	28.119	28.875	0.178	1.322	1179.428	7.821
88.000	28.075	28.843	0.178	1.322	1179.428	7.808
88.200	28.030	28.811	0.178	1.322	1179.428	7.795
88.400	27.986	28.778	0.178	1.322	1179.428	7.781
88.600	27.941	28.746	0.177	1.323	1179.427	7.768
88.800	27.896	28.713	0.177	1.323	1179.427	7.755
89.000	27.852	28.681	0.177	1.323	1179.427	7.741
89.200	27.807	28.649	0.177	1.323	1179.427	7.728
89.400	27.763	28.616	0.177	1.323	1179.427	7.715
89.600	27.718	28.584	0.177	1.323	1179.427	7.702
89.800	27.674	28.552	0.177	1.323	1179.427	7.689
90.000	27.623	28.519	0.176	1.324	1179.426	7.675
90.200	27.572	28.487	0.176	1.324	1179.426	7.662
90.400	27.521	28.454	0.176	1.324	1179.426	7.649
90.600	27.470	28.422	0.176	1.324	1179.426	7.636
90.800	27.419	28.390	0.176	1.324	1179.426	7.623
91.000	27.368	28.357	0.176	1.324	1179.426	7.610
91.200	27.317	28.325	0.176	1.324	1179.426	7.596
91.400	27.266	28.292	0.175	1.325	1179.425	7.583
91.600	27.215	28.260	0.175	1.325	1179.425	7.570
91.800	27.164	28.228	0.175	1.325	1179.425	7.557
92.000	27.113	28.195	0.175	1.325	1179.425	7.544
92.200	27.062	28.163	0.175	1.325	1179.425	7.531
92.400	27.011	28.130	0.175	1.325	1179.425	7.518
92.600	26.960	28.098	0.174	1.326	1179.424	7.505
92.800	26.910	28.066	0.174	1.326	1179.424	7.492
93.000	26.855	28.033	0.174	1.326	1179.424	7.479
93.200	26.798	28.001	0.174	1.326	1179.424	7.466
93.400	26.741	27.969	0.174	1.326	1179.424	7.453
93.600	26.684	27.936	0.174	1.326	1179.424	7.440
93.800	26.626	27.904	0.174	1.326	1179.424	7.427
94.000	26.569	27.871	0.173	1.327	1179.423	7.414
94.200	26.512	27.839	0.173	1.327	1179.423	7.401
94.400	26.454	27.807	0.173	1.327	1179.423	7.388
94.600	26.397	27.774	0.173	1.327	1179.423	7.375
94.800	26.340	27.742	0.173	1.327	1179.423	7.362
95.000	26.282	27.709	0.173	1.327	1179.423	7.349
95.200	26.225	27.677	0.173	1.327	1179.423	7.336

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
95.400	26.168	27.645	0.172	1.328	1179.422	7.324
95.600	26.110	27.612	0.172	1.328	1179.422	7.311
95.800	26.050	27.580	0.172	1.328	1179.422	7.298
96.000	25.986	27.547	0.172	1.328	1179.422	7.285
96.200	25.923	27.515	0.172	1.328	1179.422	7.272
96.400	25.859	27.467	0.172	1.328	1179.422	7.247
96.600	25.795	27.402	0.171	1.329	1179.421	7.221
96.800	25.732	27.337	0.171	1.329	1179.421	7.195
97.000	25.668	27.272	0.171	1.329	1179.421	7.170
97.200	25.604	27.207	0.170	1.330	1179.420	7.144
97.400	25.541	27.143	0.170	1.330	1179.420	7.119
97.600	25.477	27.078	0.170	1.330	1179.420	7.094
97.800	25.413	27.013	0.169	1.331	1179.419	7.068
98.000	25.350	26.948	0.169	1.331	1179.419	7.043
98.200	25.286	26.884	0.169	1.331	1179.419	7.018
98.400	25.222	26.819	0.169	1.331	1179.419	6.993
98.600	25.152	26.754	0.168	1.332	1179.418	6.968
98.800	25.082	26.689	0.168	1.332	1179.418	6.943
99.000	25.012	26.624	0.168	1.332	1179.418	6.918
99.200	24.942	26.560	0.167	1.333	1179.417	6.893
99.400	24.872	26.495	0.167	1.333	1179.417	6.868
99.600	24.802	26.430	0.167	1.333	1179.417	6.843
99.800	24.732	26.365	0.166	1.334	1179.416	6.818
100.000	24.662	26.301	0.166	1.334	1179.416	6.793
100.200	24.592	26.236	0.166	1.334	1179.416	6.769
100.400	24.522	26.171	0.166	1.334	1179.416	6.744
100.600	24.452	26.106	0.165	1.335	1179.415	6.719
100.800	24.382	26.041	0.165	1.335	1179.415	6.695
101.000	24.312	25.977	0.165	1.335	1179.415	6.670
101.200	24.242	25.912	0.164	1.336	1179.414	6.646
101.400	24.172	25.847	0.164	1.336	1179.414	6.621
101.600	24.102	25.782	0.164	1.336	1179.414	6.597
101.800	24.032	25.718	0.163	1.337	1179.413	6.572
102.000	23.962	25.653	0.163	1.337	1179.413	6.548
102.200	23.885	25.588	0.163	1.337	1179.413	6.524
102.400	23.809	25.523	0.163	1.337	1179.413	6.500
102.600	23.732	25.458	0.162	1.338	1179.412	6.475
102.800	23.656	25.394	0.162	1.338	1179.412	6.451
103.000	23.580	25.329	0.162	1.338	1179.412	6.427
103.200	23.503	25.264	0.161	1.339	1179.411	6.403
103.400	23.427	25.199	0.161	1.339	1179.411	6.379
103.600	23.350	25.135	0.161	1.339	1179.411	6.355
103.800	23.274	25.070	0.161	1.340	1179.411	6.331
104.000	23.198	25.005	0.160	1.340	1179.410	6.307
104.200	23.121	24.940	0.160	1.340	1179.410	6.284
104.400	23.045	24.875	0.160	1.340	1179.410	6.260
104.600	22.968	24.811	0.159	1.341	1179.409	6.236
104.800	22.892	24.746	0.159	1.341	1179.409	6.213
105.000	22.816	24.681	0.159	1.341	1179.409	6.189
105.200	22.739	24.616	0.158	1.342	1179.408	6.165
105.400	22.663	24.552	0.158	1.342	1179.408	6.142
105.600	22.586	24.487	0.158	1.342	1179.408	6.118
105.800	22.510	24.422	0.158	1.342	1179.408	6.095
106.000	22.399	24.357	0.157	1.343	1179.407	6.072
106.200	22.289	24.292	0.157	1.343	1179.407	6.048
106.400	22.178	24.228	0.157	1.343	1179.407	6.025
106.600	22.067	24.163	0.156	1.344	1179.406	6.002
106.800	21.956	24.098	0.156	1.344	1179.406	5.979
107.000	21.846	24.033	0.156	1.344	1179.406	5.955
107.200	21.735	23.969	0.155	1.345	1179.405	5.932
107.400	21.624	23.904	0.155	1.345	1179.405	5.909
107.600	21.514	23.839	0.155	1.345	1179.405	5.886
107.800	21.403	23.774	0.155	1.345	1179.405	5.863
108.000	21.292	23.693	0.154	1.346	1179.404	5.829
108.200	21.182	23.596	0.154	1.346	1179.404	5.795
108.400	21.071	23.499	0.153	1.347	1179.403	5.761
108.600	20.960	23.402	0.153	1.347	1179.403	5.727
108.800	20.849	23.305	0.152	1.348	1179.402	5.693
109.000	20.739	23.227	0.152	1.348	1179.402	5.659
109.200	20.628	23.159	0.151	1.349	1179.401	5.625
109.400	20.517	23.090	0.151	1.349	1179.401	5.592
109.600	20.397	23.022	0.151	1.349	1179.401	5.558
109.800	20.278	22.954	0.150	1.350	1179.400	5.525
110.000	20.158	22.886	0.150	1.350	1179.400	5.491
110.200	20.038	22.818	0.149	1.351	1179.399	5.458
110.400	19.918	22.750	0.149	1.351	1179.399	5.425
110.600	19.798	22.681	0.148	1.352	1179.398	5.392
110.800	19.678	22.613	0.148	1.352	1179.398	5.359
111.000	19.558	22.545	0.147	1.353	1179.397	5.326
111.200	19.438	22.477	0.147	1.353	1179.397	5.294
111.400	19.318	22.409	0.147	1.353	1179.397	5.261
111.600	19.198	22.340	0.146	1.354	1179.396	5.229
111.800	19.078	22.261	0.145	1.355	1179.395	5.186

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
112.000	18.958	22.170	0.145	1.355	1179.395	5.143
112.200	18.838	22.079	0.144	1.356	1179.394	5.100
112.400	18.719	21.988	0.144	1.356	1179.394	5.057
112.600	18.599	21.897	0.143	1.357	1179.393	5.015
112.800	18.479	21.806	0.142	1.358	1179.392	4.973
113.000	18.359	21.715	0.142	1.358	1179.392	4.931
113.200	18.239	21.625	0.141	1.359	1179.391	4.889
113.400	18.119	21.534	0.141	1.359	1179.391	4.847
113.600	17.999	21.443	0.140	1.360	1179.390	4.806
113.800	17.879	21.352	0.140	1.360	1179.390	4.764
114.000	17.759	21.261	0.139	1.361	1179.389	4.723
114.200	17.639	21.170	0.138	1.362	1179.388	4.682
114.400	17.519	21.079	0.138	1.362	1179.388	4.641
114.600	17.399	20.988	0.137	1.363	1179.387	4.601
114.800	17.279	20.897	0.137	1.363	1179.387	4.560
115.000	17.160	20.806	0.136	1.364	1179.386	4.520
115.200	17.040	20.715	0.135	1.365	1179.385	4.480
115.400	16.920	20.625	0.135	1.365	1179.385	4.440
115.600	16.800	20.534	0.134	1.366	1179.384	4.396
115.800	16.680	20.420	0.133	1.367	1179.383	4.346
116.000	16.560	20.306	0.133	1.367	1179.383	4.297
116.200	16.440	20.193	0.132	1.368	1179.382	4.249
116.400	16.320	20.079	0.131	1.369	1179.381	4.200
116.600	16.191	19.966	0.130	1.370	1179.380	4.152
116.800	16.062	19.852	0.130	1.370	1179.380	4.104
117.000	15.933	19.738	0.129	1.371	1179.379	4.056
117.200	15.804	19.625	0.128	1.372	1179.378	4.009
117.400	15.674	19.511	0.127	1.373	1179.377	3.962
117.600	15.545	19.397	0.127	1.373	1179.377	3.915
117.800	15.416	19.284	0.126	1.374	1179.376	3.869
118.000	15.287	19.170	0.125	1.375	1179.375	3.823
118.200	15.158	19.056	0.124	1.376	1179.374	3.777
118.400	15.029	18.943	0.124	1.376	1179.374	3.731
118.600	14.900	18.829	0.123	1.377	1179.373	3.686
118.800	14.770	18.716	0.122	1.378	1179.372	3.641
119.000	14.641	18.602	0.121	1.379	1179.371	3.596
119.200	14.512	18.488	0.121	1.379	1179.371	3.551
119.400	14.383	18.375	0.120	1.380	1179.370	3.507
119.600	14.254	18.261	0.119	1.381	1179.369	3.463
119.800	14.125	18.136	0.118	1.382	1179.368	3.411
120.000	13.995	18.000	0.117	1.383	1179.367	3.359
120.200	13.866	17.863	0.117	1.383	1179.367	3.308
120.400	13.737	17.727	0.116	1.384	1179.366	3.257
120.600	13.608	17.591	0.115	1.385	1179.365	3.206
120.800	13.470	17.454	0.114	1.386	1179.364	3.156
121.000	13.331	17.318	0.113	1.387	1179.363	3.106
121.200	13.193	17.181	0.112	1.388	1179.362	3.056
121.400	13.051	17.045	0.111	1.389	1179.361	3.007
121.600	12.860	16.909	0.110	1.390	1179.360	2.959
121.800	12.668	16.772	0.109	1.391	1179.359	2.910
122.000	12.477	16.636	0.108	1.392	1179.358	2.863
122.200	12.286	16.500	0.108	1.392	1179.358	2.815
122.400	12.094	16.363	0.107	1.393	1179.357	2.764
122.600	11.903	16.204	0.106	1.394	1179.356	2.710
122.800	11.711	16.045	0.105	1.395	1179.355	2.656
123.000	11.520	15.886	0.104	1.397	1179.354	2.603
123.200	11.329	15.727	0.102	1.398	1179.352	2.551
123.400	11.137	15.568	0.101	1.399	1179.351	2.498
123.600	10.946	15.409	0.100	1.400	1179.350	2.447
123.800	10.755	15.250	0.099	1.401	1179.349	2.396
124.000	10.563	15.091	0.098	1.402	1179.348	2.342
124.200	10.372	14.909	0.097	1.403	1179.347	2.285
124.400	10.181	14.727	0.096	1.404	1179.346	2.229
124.600	9.989	14.545	0.095	1.405	1179.345	2.174
124.800	9.798	14.363	0.093	1.407	1179.343	2.119
125.000	9.606	14.182	0.092	1.408	1179.342	2.065
125.200	9.415	14.000	0.091	1.409	1179.341	2.011
125.400	9.224	13.818	0.090	1.410	1179.340	1.959
125.600	9.032	13.636	0.089	1.411	1179.339	1.904
125.800	8.841	13.432	0.087	1.413	1179.337	1.846
126.000	8.650	13.227	0.086	1.414	1179.336	1.789
126.200	8.458	13.022	0.085	1.415	1179.335	1.734
126.400	8.267	12.818	0.083	1.417	1179.333	1.679
126.600	8.076	12.613	0.082	1.418	1179.332	1.625
126.800	7.884	12.409	0.081	1.419	1179.331	1.572
127.000	7.693	12.204	0.079	1.421	1179.329	1.519
127.200	7.501	12.000	0.078	1.422	1179.328	1.468
127.400	7.310	11.784	0.076	1.424	1179.326	1.412
127.600	7.119	11.557	0.075	1.425	1179.325	1.357
127.800	6.927	11.329	0.073	1.427	1179.323	1.304
128.000	6.736	11.102	0.072	1.428	1179.322	1.251
128.200	6.545	10.875	0.070	1.430	1179.320	1.199
128.400	6.353	10.648	0.069	1.431	1179.319	1.149

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
128.600	6.162	10.420	0.067	1.433	1179.317	1.100
128.800	5.971	10.193	0.066	1.434	1179.316	1.049
129.000	5.779	9.943	0.064	1.436	1179.314	0.997
129.200	5.588	9.693	0.063	1.437	1179.313	0.947
129.400	5.396	9.443	0.061	1.439	1179.311	0.898
129.600	5.205	9.193	0.059	1.441	1179.309	0.850
129.800	5.014	8.943	0.058	1.442	1179.308	0.804
130.000	4.822	8.693	0.056	1.444	1179.306	0.758
130.200	4.631	8.443	0.054	1.446	1179.304	0.713
130.400	4.440	8.170	0.053	1.447	1179.303	0.667
130.600	4.248	7.898	0.051	1.449	1179.301	0.622
130.800	4.057	7.625	0.049	1.451	1179.299	0.579
131.000	3.866	7.352	0.047	1.453	1179.297	0.538
131.200	3.674	7.079	0.045	1.455	1179.295	0.498
131.400	3.483	6.807	0.044	1.456	1179.294	0.459
131.600	3.298	6.534	0.042	1.458	1179.292	0.423
131.800	3.119	6.261	0.040	1.460	1179.290	0.387
132.000	2.941	5.989	0.038	1.462	1179.288	0.354
132.200	2.762	5.716	0.037	1.463	1179.287	0.321
132.400	2.590	5.443	0.035	1.465	1179.285	0.291
132.600	2.424	5.170	0.033	1.467	1179.283	0.262
132.800	2.258	4.898	0.031	1.469	1179.281	0.234
133.000	2.092	4.625	0.029	1.471	1179.279	0.208
133.200	1.939	4.352	0.028	1.472	1179.278	0.184
133.400	1.786	4.079	0.026	1.474	1179.276	0.161
133.600	1.633	3.807	0.024	1.476	1179.274	0.139
133.800	1.493	3.534	0.022	1.478	1179.272	0.119
134.000	1.352	3.261	0.020	1.480	1179.270	0.101
134.200	1.225	2.989	0.019	1.481	1179.269	0.084
134.400	1.097	2.727	0.017	1.483	1179.267	0.070
134.600	0.982	2.477	0.015	1.485	1179.265	0.057
134.800	0.868	2.227	0.014	1.486	1179.264	0.046
135.000	0.765	1.989	0.012	1.488	1179.262	0.036
135.200	0.670	1.761	0.011	1.489	1179.261	0.028
135.400	0.580	1.545	0.009	1.491	1179.259	0.021
135.600	0.504	1.341	0.008	1.492	1179.258	0.016
135.800	0.434	1.159	0.007	1.493	1179.257	0.012
136.000	0.370	0.989	0.006	1.494	1179.256	0.009
136.200	0.319	0.830	0.005	1.495	1179.255	0.006
136.400	0.268	0.693	0.004	1.496	1179.254	0.004
136.600	0.230	0.580	0.003	1.497	1179.253	0.003
136.800	0.191	0.477	0.003	1.497	1179.253	0.002
137.000	0.166	0.386	0.002	1.498	1179.252	0.001
137.200	0.140	0.318	0.002	1.498	1179.252	0.001
137.400	0.115	0.261	0.002	1.498	1179.252	0.001
137.600	0.102	0.216	0.001	1.499	1179.251	0.000
137.800	0.089	0.170	0.001	1.499	1179.251	0.000
138.000	0.077	0.148	0.001	1.499	1179.251	0.000
138.200	0.064	0.125	0.001	1.499	1179.251	0.000
138.400	0.051	0.102	0.001	1.499	1179.251	0.000





ARQUITETURA + URBANISMO
 CLN 207 BL B SL 200 - CEP 70.743-900
 BRASÍLIA - DF - FONE: 01 3014 3700

CANAL: PO-10A

DATA: 18.12.2019

IMPULT DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	197.435	COTA DE FUNDO JUSANTE (m)			
VAZÃO DE SAÍDA MAX. (l/s)	27.00	38.620	COTA VERTEDOURO (m)			
PROFUNDIDADE MAX. (m)	27.00	0.752	COTA DO ORIFÍCIO (m)			
FREEBOARD MIN. (m)	27.00	0.748	VERTEDOURO DE CONTROLE (cm)			
NA MAX. (m)	27.00	1,177.652	VERTEDOURO DE DESCARGA (cm)			
VOLUME MAX (m ³)	27.00	131.30	DRENO DE FUNDO 3X Ø (mm)			
VOLUME TOTAL (m ³)		395.13	COEF. DE DESCARGA DO VERTEDOURO			
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO			
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1176.900	0.000
0.200	2.632	0.070	0.003	1.497	1176.903	0.002
0.400	5.265	0.536	0.010	1.490	1176.910	0.022
0.600	7.897	1.161	0.017	1.483	1176.917	0.068
0.800	10.530	1.818	0.025	1.475	1176.925	0.143
1.000	13.162	2.494	0.033	1.467	1176.933	0.248
1.200	15.795	3.170	0.041	1.459	1176.941	0.381
1.400	18.427	3.859	0.049	1.451	1176.949	0.546
1.600	21.060	4.548	0.057	1.443	1176.957	0.737
1.800	23.692	5.218	0.065	1.435	1176.965	0.952
2.000	26.325	5.875	0.072	1.428	1176.972	1.191
2.200	28.957	6.526	0.080	1.420	1176.980	1.453
2.400	31.590	7.163	0.087	1.413	1176.987	1.739
2.600	34.222	7.801	0.095	1.405	1176.995	2.051
2.800	36.855	8.433	0.102	1.398	1177.002	2.382
3.000	39.487	9.058	0.109	1.391	1177.009	2.738
3.200	42.119	9.683	0.117	1.383	1177.017	3.120
3.400	44.752	10.308	0.124	1.376	1177.024	3.528
3.600	47.384	10.933	0.131	1.369	1177.031	3.961
3.800	50.017	11.552	0.138	1.362	1177.038	4.410
4.000	52.649	12.164	0.145	1.355	1177.045	4.885
4.200	55.282	12.777	0.153	1.347	1177.053	5.384
4.400	57.914	13.299	0.160	1.340	1177.060	5.908
4.600	60.547	13.742	0.167	1.333	1177.067	6.457
4.800	63.179	14.185	0.174	1.326	1177.074	7.032
5.000	65.812	14.627	0.181	1.319	1177.081	7.633
5.200	68.444	15.070	0.188	1.312	1177.088	8.266
5.400	71.077	15.522	0.196	1.304	1177.096	8.931
5.600	73.709	15.974	0.203	1.297	1177.103	9.623
5.800	76.342	16.422	0.210	1.290	1177.110	10.328
6.000	78.974	16.864	0.217	1.283	1177.117	11.058
6.200	81.606	17.307	0.224	1.276	1177.124	11.815
6.400	84.239	17.750	0.232	1.268	1177.132	12.598
6.600	86.871	18.193	0.239	1.261	1177.139	13.407
6.800	89.504	18.636	0.246	1.254	1177.146	14.242
7.000	92.136	19.078	0.253	1.247	1177.153	15.103
7.200	94.769	19.521	0.260	1.240	1177.160	15.992
7.400	97.401	19.964	0.267	1.233	1177.167	16.907
7.600	100.034	20.407	0.274	1.226	1177.174	17.849
7.800	102.666	20.849	0.282	1.218	1177.182	18.819
8.000	105.299	21.292	0.289	1.211	1177.189	19.815
8.200	107.931	21.735	0.296	1.204	1177.196	20.838
8.400	110.564	22.178	0.303	1.197	1177.203	21.888
8.600	113.196	22.586	0.310	1.190	1177.210	22.966
8.800	115.829	22.892	0.317	1.183	1177.217	24.072
9.000	118.461	23.198	0.324	1.176	1177.224	25.205
9.200	121.093	23.503	0.332	1.168	1177.232	26.366
9.400	123.726	23.809	0.339	1.161	1177.239	27.555
9.600	126.358	24.114	0.346	1.154	1177.246	28.771
9.800	128.991	24.420	0.353	1.147	1177.253	30.015
10.000	131.623	24.726	0.360	1.140	1177.260	31.288
10.200	134.256	25.031	0.367	1.133	1177.267	32.589
10.400	136.888	25.337	0.374	1.126	1177.274	33.918
10.600	139.521	25.643	0.382	1.118	1177.282	35.276
10.800	142.153	25.948	0.389	1.111	1177.289	36.663
11.000	144.786	26.254	0.396	1.104	1177.296	38.078
11.200	147.418	26.559	0.403	1.097	1177.303	39.521
11.400	150.051	26.865	0.410	1.090	1177.310	40.994
11.600	152.683	27.171	0.417	1.083	1177.317	42.496
11.800	155.315	27.476	0.424	1.076	1177.324	44.027
12.000	157.948	27.782	0.432	1.068	1177.332	45.587
12.200	160.580	28.087	0.439	1.061	1177.339	47.177
12.400	163.213	28.393	0.446	1.054	1177.346	48.796
12.600	165.845	28.699	0.453	1.047	1177.353	50.443
12.800	168.478	29.004	0.460	1.040	1177.360	52.117
13.000	171.110	29.258	0.467	1.033	1177.367	53.817
13.200	173.743	29.506	0.474	1.026	1177.374	55.542

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	176.375	29.755	0.482	1.018	1177.382	57.292
13.600	179.008	30.003	0.489	1.011	1177.389	59.068
13.800	181.640	30.252	0.496	1.004	1177.396	60.870
14.000	184.273	30.501	0.503	0.997	1177.403	62.695
14.200	186.905	30.752	0.510	0.990	1177.410	64.570
14.400	189.538	31.006	0.518	0.982	1177.418	66.453
14.600	192.170	31.262	0.525	0.975	1177.425	68.382
14.800	194.802	31.521	0.533	0.968	1177.433	70.320
15.000	197.435	31.782	0.540	0.960	1177.440	72.305
15.200	194.803	32.047	0.548	0.952	1177.448	74.280
15.400	192.170	32.306	0.555	0.945	1177.455	76.224
15.600	189.538	32.559	0.562	0.938	1177.462	78.136
15.800	186.905	32.805	0.569	0.931	1177.469	79.998
16.000	184.273	33.046	0.576	0.924	1177.476	81.826
16.200	181.640	33.282	0.583	0.917	1177.483	83.622
16.400	179.008	33.512	0.589	0.911	1177.489	85.385
16.600	176.376	33.738	0.596	0.904	1177.496	87.114
16.800	173.743	33.958	0.602	0.898	1177.502	88.809
17.000	171.111	34.173	0.608	0.892	1177.508	90.469
17.200	168.478	34.376	0.614	0.886	1177.514	92.094
17.400	165.846	34.553	0.620	0.880	1177.520	93.684
17.600	163.213	34.725	0.625	0.875	1177.525	95.238
17.800	160.581	34.893	0.631	0.869	1177.531	96.755
18.000	157.948	35.057	0.636	0.864	1177.536	98.237
18.200	155.316	35.218	0.642	0.858	1177.542	99.702
18.400	152.683	35.375	0.647	0.853	1177.547	101.129
18.600	150.051	35.527	0.652	0.848	1177.552	102.520
18.800	147.418	35.675	0.657	0.843	1177.557	103.872
19.000	144.786	35.818	0.661	0.839	1177.561	105.207
19.200	142.153	35.959	0.666	0.834	1177.566	106.504
19.400	139.521	36.096	0.670	0.830	1177.570	107.762
19.600	136.889	36.228	0.675	0.825	1177.575	108.981
19.800	134.256	36.356	0.679	0.821	1177.579	110.161
20.000	131.624	36.481	0.683	0.817	1177.583	111.322
20.200	128.991	36.602	0.687	0.813	1177.587	112.443
20.400	126.359	36.719	0.691	0.809	1177.591	113.546
20.600	123.726	36.833	0.695	0.806	1177.595	114.608
20.800	121.094	36.943	0.698	0.802	1177.598	115.630
21.000	118.461	37.048	0.702	0.799	1177.602	116.611
21.200	115.829	37.151	0.705	0.795	1177.605	117.573
21.400	113.196	37.249	0.708	0.792	1177.608	118.493
21.600	110.564	37.344	0.711	0.789	1177.611	119.394
21.800	107.931	37.435	0.714	0.786	1177.614	120.253
22.000	105.299	37.523	0.717	0.783	1177.617	121.070
22.200	102.666	37.608	0.720	0.780	1177.620	121.867
22.400	100.034	37.688	0.722	0.778	1177.622	122.644
22.600	97.402	37.767	0.725	0.775	1177.625	123.379
22.800	94.769	37.841	0.727	0.773	1177.627	124.071
23.000	92.137	37.912	0.730	0.770	1177.630	124.742
23.200	89.504	37.980	0.732	0.768	1177.632	125.371
23.400	86.872	38.042	0.734	0.766	1177.634	125.979
23.600	84.239	38.103	0.736	0.764	1177.636	126.544
23.800	81.607	38.161	0.738	0.762	1177.638	127.088
24.000	78.974	38.215	0.739	0.761	1177.639	127.588
24.200	76.342	38.264	0.741	0.759	1177.641	128.068
24.400	73.709	38.311	0.743	0.758	1177.643	128.504
24.600	71.077	38.356	0.744	0.756	1177.644	128.919
24.800	68.444	38.396	0.745	0.755	1177.645	129.290
25.000	65.812	38.432	0.746	0.754	1177.646	129.640
25.200	63.180	38.466	0.747	0.753	1177.647	129.946
25.400	60.547	38.497	0.748	0.752	1177.648	130.231
25.600	57.915	38.524	0.749	0.751	1177.649	130.471
25.800	55.282	38.546	0.750	0.750	1177.650	130.690
26.000	52.650	38.566	0.751	0.749	1177.651	130.866
26.200	50.017	38.584	0.751	0.749	1177.651	131.019
26.400	47.385	38.598	0.752	0.749	1177.652	131.151
26.600	44.752	38.609	0.752	0.748	1177.652	131.238
26.800	42.120	38.616	0.752	0.748	1177.652	131.282
27.000	39.487	38.620	0.752	0.748	1177.652	131.304
27.200	36.855	38.620	0.752	0.748	1177.652	131.304
27.400	34.222	38.618	0.752	0.748	1177.652	131.260
27.600	31.590	38.614	0.752	0.748	1177.652	131.194
27.800	28.957	38.605	0.751	0.749	1177.651	131.107
28.000	26.325	38.593	0.751	0.749	1177.651	130.975
28.200	23.693	38.578	0.750	0.750	1177.650	130.800
28.400	21.060	38.560	0.750	0.750	1177.650	130.603
28.600	18.428	38.537	0.749	0.751	1177.649	130.384
28.800	15.795	38.513	0.748	0.752	1177.648	130.121
29.000	13.163	38.486	0.747	0.753	1177.647	129.837
29.200	10.530	38.454	0.746	0.754	1177.646	129.531
29.400	7.898	38.421	0.745	0.755	1177.645	129.181
29.600	5.265	38.383	0.743	0.757	1177.643	128.788
29.800	2.633	38.342	0.742	0.758	1177.642	128.373

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
30.000	0.000	38.298	0.741	0.759	1177.641	127.937
30.200	0.000	38.251	0.739	0.761	1177.639	127.458
30.400	0.000	38.201	0.737	0.763	1177.637	126.979
30.600	0.000	38.152	0.736	0.764	1177.636	126.500
30.800	0.000	38.103	0.734	0.766	1177.634	126.022
31.000	0.000	38.054	0.732	0.768	1177.632	125.545
31.200	0.000	38.004	0.731	0.769	1177.631	125.067
31.400	0.000	37.955	0.729	0.771	1177.629	124.591
31.600	0.000	37.906	0.727	0.773	1177.627	124.114
31.800	0.000	37.859	0.726	0.774	1177.626	123.681
32.000	0.000	37.814	0.724	0.776	1177.624	123.249
32.200	0.000	37.769	0.723	0.777	1177.623	122.817
32.400	0.000	37.724	0.722	0.778	1177.622	122.385
32.600	0.000	37.679	0.720	0.780	1177.620	121.954
32.800	0.000	37.635	0.719	0.781	1177.619	121.523
33.000	0.000	37.590	0.717	0.783	1177.617	121.092
33.200	0.000	37.545	0.716	0.784	1177.616	120.662
33.400	0.000	37.500	0.714	0.786	1177.614	120.232
33.600	0.000	37.456	0.713	0.787	1177.613	119.802
33.800	0.000	37.411	0.711	0.789	1177.611	119.372
34.000	0.000	37.366	0.710	0.790	1177.610	118.943
34.200	0.000	37.321	0.708	0.792	1177.608	118.515
34.400	0.000	37.276	0.707	0.793	1177.607	118.086
34.600	0.000	37.232	0.705	0.795	1177.605	117.658
34.800	0.000	37.187	0.704	0.796	1177.604	117.231
35.000	0.000	37.142	0.702	0.798	1177.602	116.804
35.200	0.000	37.097	0.701	0.799	1177.601	116.377
35.400	0.000	37.052	0.699	0.801	1177.599	115.950
35.600	0.000	37.008	0.698	0.802	1177.598	115.524
35.800	0.000	36.963	0.696	0.804	1177.596	115.098
36.000	0.000	36.918	0.695	0.805	1177.595	114.672
36.200	0.000	36.873	0.693	0.807	1177.593	114.247
36.400	0.000	36.828	0.692	0.808	1177.592	113.822
36.600	0.000	36.784	0.690	0.810	1177.590	113.397
36.800	0.000	36.739	0.689	0.811	1177.589	112.973
37.000	0.000	36.694	0.687	0.813	1177.587	112.549
37.200	0.000	36.649	0.686	0.814	1177.586	112.126
37.400	0.000	36.604	0.684	0.816	1177.584	111.703
37.600	0.000	36.560	0.683	0.817	1177.583	111.280
37.800	0.000	36.515	0.681	0.819	1177.581	110.857
38.000	0.000	36.470	0.680	0.820	1177.580	110.435
38.200	0.000	36.425	0.678	0.822	1177.578	110.013
38.400	0.000	36.380	0.677	0.823	1177.577	109.592
38.600	0.000	36.336	0.675	0.825	1177.575	109.170
38.800	0.000	36.291	0.674	0.826	1177.574	108.750
39.000	0.000	36.246	0.672	0.828	1177.572	108.329
39.200	0.000	36.201	0.671	0.829	1177.571	107.909
39.400	0.000	36.156	0.669	0.831	1177.569	107.489
39.600	0.000	36.112	0.668	0.832	1177.568	107.070
39.800	0.000	36.067	0.666	0.834	1177.566	106.651
40.000	0.000	36.022	0.665	0.835	1177.565	106.232
40.200	0.000	35.977	0.663	0.837	1177.563	105.813
40.400	0.000	35.932	0.662	0.838	1177.562	105.395
40.600	0.000	35.888	0.661	0.840	1177.561	104.978
40.800	0.000	35.843	0.659	0.841	1177.559	104.560
41.000	0.000	35.798	0.658	0.842	1177.558	104.143
41.200	0.000	35.753	0.656	0.844	1177.556	103.726
41.400	0.000	35.708	0.655	0.845	1177.555	103.310
41.600	0.000	35.664	0.653	0.847	1177.553	102.894
41.800	0.000	35.619	0.652	0.848	1177.552	102.478
42.000	0.000	35.574	0.650	0.850	1177.550	102.063
42.200	0.000	35.529	0.649	0.851	1177.549	101.648
42.400	0.000	35.484	0.647	0.853	1177.547	101.233
42.600	0.000	35.440	0.646	0.854	1177.546	100.819
42.800	0.000	35.395	0.644	0.856	1177.544	100.405
43.000	0.000	35.350	0.643	0.857	1177.543	99.991
43.200	0.000	35.305	0.641	0.859	1177.541	99.578
43.400	0.000	35.260	0.640	0.860	1177.540	99.165
43.600	0.000	35.216	0.638	0.862	1177.538	98.752
43.800	0.000	35.171	0.637	0.863	1177.537	98.340
44.000	0.000	35.126	0.635	0.865	1177.535	97.928
44.200	0.000	35.081	0.634	0.866	1177.534	97.516
44.400	0.000	35.036	0.632	0.868	1177.532	97.105
44.600	0.000	34.992	0.631	0.869	1177.531	96.694
44.800	0.000	34.947	0.629	0.871	1177.529	96.283
45.000	0.000	34.902	0.628	0.872	1177.528	95.873
45.200	0.000	34.857	0.626	0.874	1177.526	95.463
45.400	0.000	34.812	0.625	0.875	1177.525	95.053
45.600	0.000	34.768	0.623	0.877	1177.523	94.644
45.800	0.000	34.723	0.622	0.878	1177.522	94.235
46.000	0.000	34.678	0.620	0.880	1177.520	93.827
46.200	0.000	34.633	0.619	0.881	1177.519	93.418
46.400	0.000	34.588	0.617	0.883	1177.517	93.010

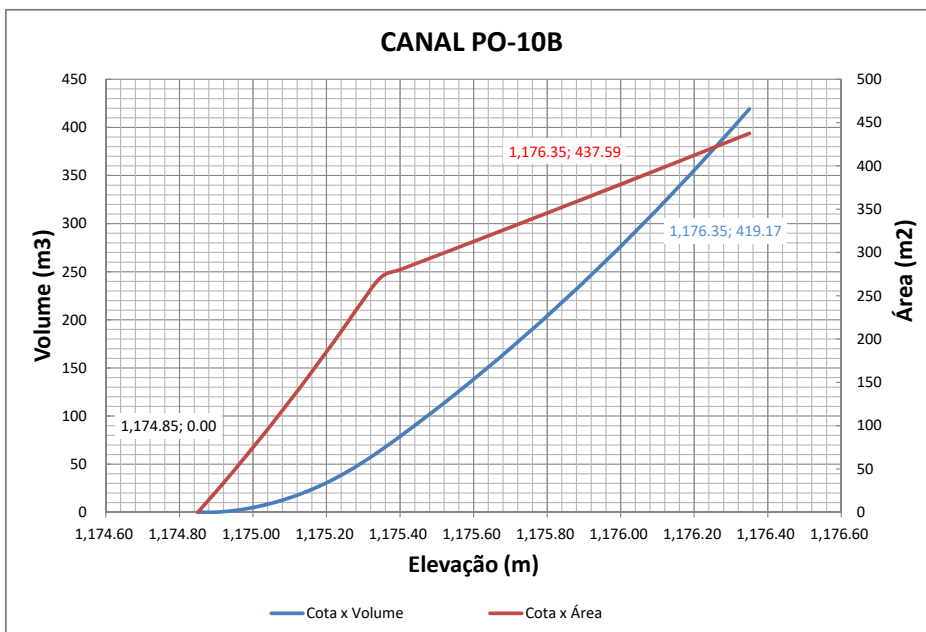
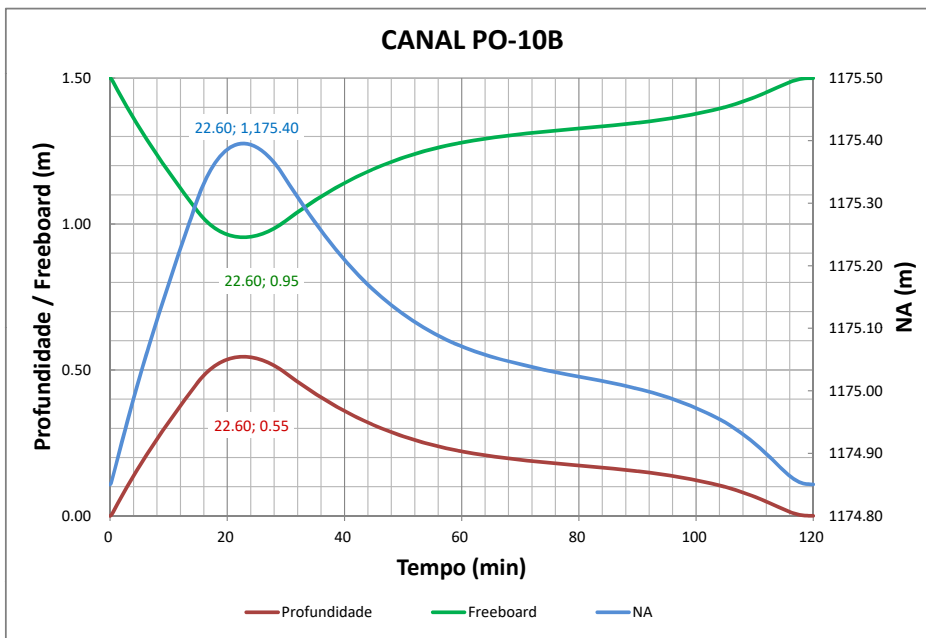
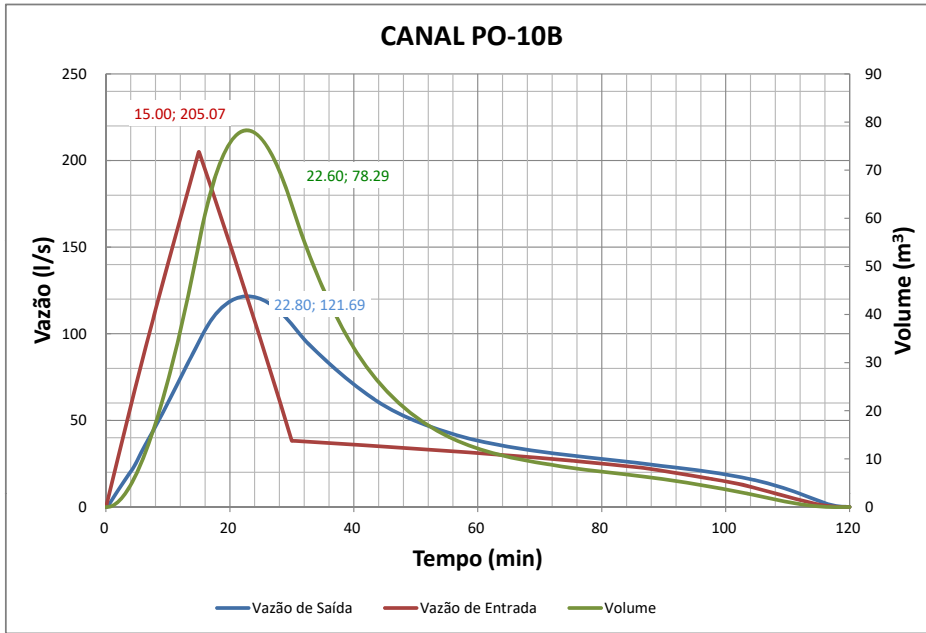
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
46.600	0.000	34.544	0.616	0.884	1177.516	92.603
46.800	0.000	34.499	0.614	0.886	1177.514	92.196
47.000	0.000	34.454	0.613	0.887	1177.513	91.789
47.200	0.000	34.409	0.611	0.889	1177.511	91.382
47.400	0.000	34.364	0.610	0.890	1177.510	90.976
47.600	0.000	34.318	0.608	0.892	1177.508	90.570
47.800	0.000	34.266	0.607	0.893	1177.507	90.165
48.000	0.000	34.214	0.605	0.895	1177.505	89.759
48.200	0.000	34.162	0.604	0.896	1177.504	89.355
48.400	0.000	34.110	0.602	0.898	1177.502	88.950
48.600	0.000	34.059	0.601	0.899	1177.501	88.546
48.800	0.000	34.007	0.599	0.901	1177.499	88.142
49.000	0.000	33.955	0.598	0.902	1177.498	87.739
49.200	0.000	33.903	0.597	0.904	1177.497	87.335
49.400	0.000	33.851	0.595	0.905	1177.495	86.933
49.600	0.000	33.800	0.594	0.906	1177.494	86.530
49.800	0.000	33.748	0.592	0.908	1177.492	86.128
50.000	0.000	33.696	0.591	0.909	1177.491	85.726
50.200	0.000	33.644	0.589	0.911	1177.489	85.325
50.400	0.000	33.593	0.588	0.912	1177.488	84.924
50.600	0.000	33.541	0.586	0.914	1177.486	84.523
50.800	0.000	33.489	0.585	0.915	1177.485	84.122
51.000	0.000	33.437	0.583	0.917	1177.483	83.722
51.200	0.000	33.385	0.582	0.918	1177.482	83.322
51.400	0.000	33.334	0.580	0.920	1177.480	82.923
51.600	0.000	33.282	0.579	0.921	1177.479	82.524
51.800	0.000	33.230	0.577	0.923	1177.477	82.125
52.000	0.000	33.178	0.576	0.924	1177.476	81.727
52.200	0.000	33.126	0.574	0.926	1177.474	81.329
52.400	0.000	33.075	0.573	0.927	1177.473	80.931
52.600	0.000	33.023	0.571	0.929	1177.471	80.534
52.800	0.000	32.971	0.570	0.930	1177.470	80.136
53.000	0.000	32.919	0.568	0.932	1177.468	79.740
53.200	0.000	32.867	0.567	0.933	1177.467	79.343
53.400	0.000	32.816	0.565	0.935	1177.465	78.947
53.600	0.000	32.764	0.564	0.936	1177.464	78.552
53.800	0.000	32.712	0.562	0.938	1177.462	78.156
54.000	0.000	32.660	0.561	0.939	1177.461	77.761
54.200	0.000	32.609	0.559	0.941	1177.459	77.367
54.400	0.000	32.557	0.558	0.942	1177.458	76.972
54.600	0.000	32.505	0.556	0.944	1177.456	76.578
54.800	0.000	32.453	0.555	0.945	1177.455	76.185
55.000	0.000	32.401	0.553	0.947	1177.453	75.791
55.200	0.000	32.350	0.552	0.948	1177.452	75.398
55.400	0.000	32.298	0.550	0.950	1177.450	75.006
55.600	0.000	32.246	0.549	0.951	1177.449	74.613
55.800	0.000	32.194	0.547	0.953	1177.447	74.221
56.000	0.000	32.142	0.546	0.954	1177.446	73.830
56.200	0.000	32.091	0.544	0.956	1177.444	73.438
56.400	0.000	32.039	0.543	0.957	1177.443	73.047
56.600	0.000	31.987	0.541	0.959	1177.441	72.657
56.800	0.000	31.935	0.540	0.960	1177.440	72.266
57.000	0.000	31.883	0.538	0.962	1177.438	71.876
57.200	0.000	31.832	0.537	0.963	1177.437	71.487
57.400	0.000	31.780	0.535	0.965	1177.435	71.098
57.600	0.000	31.728	0.534	0.966	1177.434	70.709
57.800	0.000	31.676	0.533	0.968	1177.433	70.320
58.000	0.000	31.624	0.531	0.969	1177.431	69.932
58.200	0.000	31.573	0.530	0.970	1177.430	69.544
58.400	0.000	31.521	0.528	0.972	1177.428	69.156
58.600	0.000	31.469	0.527	0.973	1177.427	68.769
58.800	0.000	31.417	0.525	0.975	1177.425	68.382
59.000	0.000	31.366	0.524	0.976	1177.424	67.996
59.200	0.000	31.314	0.522	0.978	1177.422	67.609
59.400	0.000	31.262	0.521	0.979	1177.421	67.223
59.600	0.000	31.210	0.519	0.981	1177.419	66.838
59.800	0.000	31.158	0.518	0.982	1177.418	66.453
60.000	0.000	31.107	0.516	0.984	1177.416	66.068
60.200	0.000	31.055	0.515	0.985	1177.415	65.683
60.400	0.000	31.003	0.513	0.987	1177.413	65.299
60.600	0.000	30.951	0.512	0.988	1177.412	64.915
60.800	0.000	30.899	0.510	0.990	1177.410	64.532
61.000	0.000	30.848	0.509	0.991	1177.409	64.149
61.200	0.000	30.796	0.507	0.993	1177.407	63.766
61.400	0.000	30.744	0.506	0.994	1177.406	63.383
61.600	0.000	30.692	0.504	0.996	1177.404	63.001
61.800	0.000	30.640	0.503	0.997	1177.403	62.619
62.000	0.000	30.589	0.501	0.999	1177.401	62.238
62.200	0.000	30.537	0.500	1.000	1177.400	61.857
62.400	0.000	30.485	0.498	1.002	1177.398	61.476
62.600	0.000	30.433	0.497	1.003	1177.397	61.097
62.800	0.000	30.382	0.495	1.005	1177.395	60.719
63.000	0.000	30.330	0.494	1.006	1177.394	60.342

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
63.200	0.000	30.278	0.492	1.008	1177.392	59.966
63.400	0.000	30.226	0.491	1.009	1177.391	59.591
63.600	0.000	30.174	0.489	1.011	1177.389	59.218
63.800	0.000	30.123	0.488	1.012	1177.388	58.845
64.000	0.000	30.071	0.486	1.014	1177.386	58.474
64.200	0.000	30.019	0.485	1.015	1177.385	58.103
64.400	0.000	29.967	0.483	1.017	1177.383	57.734
64.600	0.000	29.915	0.482	1.018	1177.382	57.366
64.800	0.000	29.864	0.480	1.020	1177.380	56.999
65.000	0.000	29.812	0.479	1.021	1177.379	56.633
65.200	0.000	29.760	0.477	1.023	1177.377	56.268
65.400	0.000	29.708	0.476	1.024	1177.376	55.904
65.600	0.000	29.656	0.474	1.026	1177.374	55.542
65.800	0.000	29.605	0.473	1.027	1177.373	55.180
66.000	0.000	29.553	0.471	1.029	1177.371	54.820
66.200	0.000	29.501	0.470	1.030	1177.370	54.461
66.400	0.000	29.449	0.469	1.031	1177.369	54.103
66.600	0.000	29.398	0.467	1.033	1177.367	53.746
66.800	0.000	29.346	0.466	1.034	1177.366	53.390
67.000	0.000	29.294	0.464	1.036	1177.364	53.035
67.200	0.000	29.242	0.463	1.037	1177.363	52.681
67.400	0.000	29.190	0.461	1.039	1177.361	52.328
67.600	0.000	29.139	0.460	1.040	1177.360	51.977
67.800	0.000	29.087	0.458	1.042	1177.358	51.627
68.000	0.000	29.035	0.457	1.043	1177.357	51.277
68.200	0.000	28.972	0.455	1.045	1177.355	50.929
68.400	0.000	28.909	0.454	1.046	1177.354	50.582
68.600	0.000	28.845	0.452	1.048	1177.352	50.236
68.800	0.000	28.781	0.451	1.049	1177.351	49.891
69.000	0.000	28.718	0.449	1.051	1177.349	49.547
69.200	0.000	28.654	0.448	1.052	1177.348	49.205
69.400	0.000	28.590	0.446	1.054	1177.346	48.864
69.600	0.000	28.527	0.445	1.055	1177.345	48.524
69.800	0.000	28.463	0.443	1.057	1177.343	48.185
70.000	0.000	28.399	0.442	1.058	1177.342	47.848
70.200	0.000	28.336	0.440	1.060	1177.340	47.512
70.400	0.000	28.272	0.439	1.061	1177.339	47.177
70.600	0.000	28.208	0.437	1.063	1177.337	46.843
70.800	0.000	28.145	0.436	1.064	1177.336	46.511
71.000	0.000	28.081	0.434	1.066	1177.334	46.180
71.200	0.000	28.017	0.433	1.067	1177.333	45.850
71.400	0.000	27.954	0.431	1.069	1177.331	45.522
71.600	0.000	27.890	0.430	1.070	1177.330	45.194
71.800	0.000	27.826	0.428	1.072	1177.328	44.868
72.000	0.000	27.763	0.427	1.073	1177.327	44.544
72.200	0.000	27.699	0.425	1.075	1177.325	44.220
72.400	0.000	27.635	0.424	1.076	1177.324	43.898
72.600	0.000	27.572	0.422	1.078	1177.322	43.577
72.800	0.000	27.508	0.421	1.079	1177.321	43.258
73.000	0.000	27.444	0.419	1.081	1177.319	42.939
73.200	0.000	27.381	0.418	1.082	1177.318	42.622
73.400	0.000	27.317	0.416	1.084	1177.316	42.306
73.600	0.000	27.253	0.415	1.085	1177.315	41.992
73.800	0.000	27.190	0.413	1.087	1177.313	41.679
74.000	0.000	27.126	0.412	1.088	1177.312	41.367
74.200	0.000	27.062	0.410	1.090	1177.310	41.056
74.400	0.000	26.999	0.409	1.091	1177.309	40.746
74.600	0.000	26.935	0.407	1.093	1177.307	40.438
74.800	0.000	26.871	0.406	1.094	1177.306	40.116
75.000	0.000	26.801	0.404	1.096	1177.304	39.780
75.200	0.000	26.731	0.403	1.097	1177.303	39.445
75.400	0.000	26.661	0.401	1.099	1177.301	39.112
75.600	0.000	26.591	0.399	1.101	1177.299	38.781
75.800	0.000	26.521	0.398	1.102	1177.298	38.451
76.000	0.000	26.451	0.396	1.104	1177.296	38.122
76.200	0.000	26.381	0.394	1.106	1177.294	37.795
76.400	0.000	26.311	0.393	1.107	1177.293	37.470
76.600	0.000	26.241	0.391	1.109	1177.291	37.146
76.800	0.000	26.171	0.390	1.110	1177.290	36.824
77.000	0.000	26.101	0.388	1.112	1177.288	36.503
77.200	0.000	26.031	0.386	1.114	1177.286	36.183
77.400	0.000	25.961	0.385	1.115	1177.285	35.865
77.600	0.000	25.891	0.383	1.117	1177.283	35.548
77.800	0.000	25.821	0.381	1.119	1177.281	35.233
78.000	0.000	25.751	0.380	1.120	1177.280	34.920
78.200	0.000	25.681	0.378	1.122	1177.278	34.608
78.400	0.000	25.611	0.376	1.124	1177.276	34.297
78.600	0.000	25.541	0.375	1.125	1177.275	33.988
78.800	0.000	25.471	0.373	1.127	1177.273	33.681
79.000	0.000	25.401	0.372	1.128	1177.272	33.375

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
79.200	0.000	25.331	0.370	1.130	1177.270	33.070
79.400	0.000	25.260	0.368	1.132	1177.268	32.767
79.600	0.000	25.190	0.367	1.133	1177.267	32.466
79.800	0.000	25.120	0.365	1.135	1177.265	32.166
80.000	0.000	25.050	0.363	1.137	1177.263	31.867
80.200	0.000	24.980	0.362	1.138	1177.262	31.570
80.400	0.000	24.910	0.360	1.140	1177.260	31.274
80.600	0.000	24.840	0.358	1.142	1177.258	30.980
80.800	0.000	24.770	0.357	1.143	1177.257	30.688
81.000	0.000	24.700	0.355	1.145	1177.255	30.397
81.200	0.000	24.630	0.354	1.146	1177.254	30.107
81.400	0.000	24.560	0.352	1.148	1177.252	29.819
81.600	0.000	24.490	0.350	1.150	1177.250	29.532
81.800	0.000	24.420	0.349	1.151	1177.249	29.247
82.000	0.000	24.350	0.347	1.153	1177.247	28.964
82.200	0.000	24.280	0.345	1.155	1177.245	28.681
82.400	0.000	24.210	0.344	1.156	1177.244	28.401
82.600	0.000	24.140	0.342	1.158	1177.242	28.121
82.800	0.000	24.070	0.340	1.160	1177.240	27.844
83.000	0.000	24.000	0.339	1.161	1177.239	27.567
83.200	0.000	23.930	0.337	1.163	1177.237	27.292
83.400	0.000	23.857	0.335	1.165	1177.235	26.994
83.600	0.000	23.780	0.334	1.166	1177.234	26.697
83.800	0.000	23.704	0.332	1.168	1177.232	26.403
84.000	0.000	23.627	0.330	1.170	1177.230	26.110
84.200	0.000	23.551	0.328	1.172	1177.228	25.818
84.400	0.000	23.475	0.326	1.174	1177.226	25.529
84.600	0.000	23.398	0.325	1.175	1177.225	25.241
84.800	0.000	23.322	0.323	1.177	1177.223	24.955
85.000	0.000	23.245	0.321	1.179	1177.221	24.670
85.200	0.000	23.169	0.319	1.181	1177.219	24.388
85.400	0.000	23.092	0.318	1.182	1177.218	24.107
85.600	0.000	23.016	0.316	1.184	1177.216	23.827
85.800	0.000	22.940	0.314	1.186	1177.214	23.550
86.000	0.000	22.863	0.312	1.188	1177.212	23.274
86.200	0.000	22.787	0.310	1.190	1177.210	23.000
86.400	0.000	22.710	0.309	1.191	1177.209	22.728
86.600	0.000	22.634	0.307	1.193	1177.207	22.457
86.800	0.000	22.558	0.305	1.195	1177.205	22.189
87.000	0.000	22.468	0.303	1.197	1177.203	21.922
87.200	0.000	22.358	0.301	1.199	1177.201	21.656
87.400	0.000	22.247	0.300	1.200	1177.200	21.393
87.600	0.000	22.136	0.298	1.202	1177.198	21.131
87.800	0.000	22.026	0.296	1.204	1177.196	20.871
88.000	0.000	21.915	0.294	1.206	1177.194	20.612
88.200	0.000	21.804	0.293	1.207	1177.193	20.355
88.400	0.000	21.694	0.291	1.209	1177.191	20.100
88.600	0.000	21.583	0.289	1.211	1177.189	19.846
88.800	0.000	21.472	0.287	1.213	1177.187	19.595
89.000	0.000	21.361	0.285	1.215	1177.185	19.345
89.200	0.000	21.251	0.284	1.216	1177.184	19.096
89.400	0.000	21.140	0.282	1.218	1177.182	18.849
89.600	0.000	21.029	0.280	1.220	1177.180	18.604
89.800	0.000	20.919	0.278	1.222	1177.178	18.361
90.000	0.000	20.808	0.276	1.224	1177.176	18.119
90.200	0.000	20.697	0.275	1.225	1177.175	17.879
90.400	0.000	20.587	0.273	1.227	1177.173	17.641
90.600	0.000	20.476	0.271	1.229	1177.171	17.404
90.800	0.000	20.365	0.269	1.231	1177.169	17.169
91.000	0.000	20.254	0.267	1.233	1177.167	16.927
91.200	0.000	20.135	0.266	1.234	1177.166	16.676
91.400	0.000	20.015	0.264	1.236	1177.164	16.427
91.600	0.000	19.895	0.262	1.238	1177.162	16.180
91.800	0.000	19.775	0.260	1.240	1177.160	15.936
92.000	0.000	19.655	0.258	1.242	1177.158	15.693
92.200	0.000	19.535	0.256	1.244	1177.156	15.452
92.400	0.000	19.415	0.254	1.246	1177.154	15.213
92.600	0.000	19.295	0.252	1.248	1177.152	14.976
92.800	0.000	19.175	0.250	1.250	1177.150	14.741
93.000	0.000	19.055	0.248	1.252	1177.148	14.508
93.200	0.000	18.935	0.246	1.254	1177.146	14.277
93.400	0.000	18.815	0.244	1.256	1177.144	14.048
93.600	0.000	18.695	0.242	1.258	1177.142	13.821
93.800	0.000	18.576	0.240	1.260	1177.140	13.596
94.000	0.000	18.456	0.238	1.262	1177.138	13.372
94.200	0.000	18.336	0.236	1.264	1177.136	13.151
94.400	0.000	18.216	0.235	1.265	1177.135	12.932
94.600	0.000	18.096	0.233	1.267	1177.133	12.714
94.800	0.000	17.976	0.231	1.269	1177.131	12.498
95.000	0.000	17.856	0.229	1.271	1177.129	12.285
95.200	0.000	17.736	0.227	1.273	1177.127	12.073

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
95.400	0.000	17.616	0.225	1.275	1177.125	11.863
95.600	0.000	17.496	0.223	1.277	1177.123	11.655
95.800	0.000	17.376	0.221	1.279	1177.121	11.449
96.000	0.000	17.256	0.219	1.281	1177.119	11.245
96.200	0.000	17.137	0.217	1.283	1177.117	11.043
96.400	0.000	17.017	0.215	1.285	1177.115	10.842
96.600	0.000	16.897	0.213	1.287	1177.113	10.644
96.800	0.000	16.777	0.211	1.289	1177.111	10.447
97.000	0.000	16.657	0.209	1.291	1177.109	10.253
97.200	0.000	16.537	0.207	1.293	1177.107	10.060
97.400	0.000	16.417	0.206	1.294	1177.106	9.870
97.600	0.000	16.297	0.204	1.296	1177.104	9.681
97.800	0.000	16.177	0.202	1.298	1177.102	9.487
98.000	0.000	16.048	0.200	1.301	1177.100	9.288
98.200	0.000	15.919	0.197	1.303	1177.097	9.091
98.400	0.000	15.790	0.195	1.305	1177.095	8.897
98.600	0.000	15.661	0.193	1.307	1177.093	8.704
98.800	0.000	15.531	0.191	1.309	1177.091	8.514
99.000	0.000	15.402	0.189	1.311	1177.089	8.326
99.200	0.000	15.273	0.187	1.313	1177.087	8.140
99.400	0.000	15.144	0.185	1.315	1177.085	7.956
99.600	0.000	15.015	0.183	1.317	1177.083	7.774
99.800	0.000	14.886	0.181	1.319	1177.081	7.595
100.000	0.000	14.757	0.179	1.321	1177.079	7.417
100.200	0.000	14.627	0.177	1.323	1177.077	7.242
100.400	0.000	14.498	0.175	1.326	1177.075	7.069
100.600	0.000	14.369	0.172	1.328	1177.072	6.898
100.800	0.000	14.240	0.170	1.330	1177.070	6.730
101.000	0.000	14.111	0.168	1.332	1177.068	6.563
101.200	0.000	13.982	0.166	1.334	1177.066	6.399
101.400	0.000	13.853	0.164	1.336	1177.064	6.237
101.600	0.000	13.723	0.162	1.338	1177.062	6.077
101.800	0.000	13.594	0.160	1.340	1177.060	5.919
102.000	0.000	13.460	0.158	1.342	1177.058	5.752
102.200	0.000	13.322	0.155	1.345	1177.055	5.588
102.400	0.000	13.184	0.153	1.347	1177.053	5.426
102.600	0.000	13.038	0.151	1.349	1177.051	5.267
102.800	0.000	12.847	0.149	1.351	1177.049	5.110
103.000	0.000	12.656	0.147	1.353	1177.047	4.956
103.200	0.000	12.464	0.144	1.356	1177.044	4.804
103.400	0.000	12.273	0.142	1.358	1177.042	4.654
103.600	0.000	12.081	0.140	1.360	1177.040	4.507
103.800	0.000	11.890	0.138	1.362	1177.038	4.363
104.000	0.000	11.699	0.135	1.365	1177.035	4.220
104.200	0.000	11.507	0.133	1.367	1177.033	4.080
104.400	0.000	11.316	0.131	1.369	1177.031	3.943
104.600	0.000	11.125	0.129	1.371	1177.029	3.808
104.800	0.000	10.933	0.126	1.374	1177.026	3.675
105.000	0.000	10.742	0.124	1.376	1177.024	3.545
105.200	0.000	10.551	0.122	1.378	1177.022	3.417
105.400	0.000	10.359	0.120	1.380	1177.020	3.291
105.600	0.000	10.168	0.118	1.383	1177.018	3.168
105.800	0.000	9.976	0.115	1.385	1177.015	3.048
106.000	0.000	9.785	0.113	1.387	1177.013	2.930
106.200	0.000	9.594	0.111	1.389	1177.011	2.814
106.400	0.000	9.402	0.109	1.391	1177.009	2.700
106.600	0.000	9.211	0.106	1.394	1177.006	2.589
106.800	0.000	9.020	0.104	1.396	1177.004	2.481
107.000	0.000	8.828	0.102	1.398	1177.002	2.375
107.200	0.000	8.637	0.100	1.400	1177.000	2.271
107.400	0.000	8.446	0.097	1.403	1176.997	2.169
107.600	0.000	8.254	0.095	1.405	1176.995	2.070
107.800	0.000	8.063	0.093	1.407	1176.993	1.974
108.000	0.000	7.871	0.091	1.409	1176.991	1.879
108.200	0.000	7.680	0.088	1.412	1176.988	1.787
108.400	0.000	7.489	0.086	1.414	1176.986	1.697
108.600	0.000	7.297	0.084	1.416	1176.984	1.610
108.800	0.000	7.106	0.082	1.418	1176.982	1.525
109.000	0.000	6.915	0.080	1.420	1176.980	1.442
109.200	0.000	6.723	0.077	1.423	1176.977	1.362
109.400	0.000	6.532	0.075	1.425	1176.975	1.284
109.600	0.000	6.341	0.073	1.427	1176.973	1.208
109.800	0.000	6.149	0.071	1.429	1176.971	1.135
110.000	0.000	5.958	0.068	1.432	1176.968	1.064
110.200	0.000	5.766	0.066	1.434	1176.966	0.995
110.400	0.000	5.575	0.064	1.436	1176.964	0.928
110.600	0.000	5.384	0.062	1.438	1176.962	0.864
110.800	0.000	5.192	0.059	1.441	1176.959	0.803
111.000	0.000	5.001	0.057	1.443	1176.957	0.743
111.200	0.000	4.810	0.055	1.445	1176.955	0.686
111.400	0.000	4.618	0.053	1.447	1176.953	0.632
111.600	0.000	4.427	0.051	1.449	1176.951	0.579
111.800	0.000	4.236	0.048	1.452	1176.948	0.529

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
112.000	0.000	4.044	0.046	1.454	1176.946	0.481
112.200	0.000	3.853	0.044	1.456	1176.944	0.436
112.400	0.000	3.661	0.042	1.458	1176.942	0.393
112.600	0.000	3.470	0.039	1.461	1176.939	0.352
112.800	0.000	3.285	0.037	1.463	1176.937	0.315
113.000	0.000	3.106	0.035	1.465	1176.935	0.281
113.200	0.000	2.928	0.033	1.467	1176.933	0.249
113.400	0.000	2.749	0.031	1.469	1176.931	0.218
113.600	0.000	2.571	0.029	1.471	1176.929	0.191
113.800	0.000	2.405	0.027	1.473	1176.927	0.166
114.000	0.000	2.239	0.025	1.475	1176.925	0.143
114.200	0.000	2.073	0.023	1.477	1176.923	0.122
114.400	0.000	1.914	0.021	1.479	1176.921	0.104
114.600	0.000	1.761	0.020	1.480	1176.920	0.088
114.800	0.000	1.607	0.018	1.482	1176.918	0.073
115.000	0.000	1.467	0.016	1.484	1176.916	0.060
115.200	0.000	1.327	0.015	1.485	1176.915	0.049
115.400	0.000	1.199	0.013	1.487	1176.913	0.040
115.600	0.000	1.072	0.012	1.488	1176.912	0.032
115.800	0.000	0.957	0.010	1.490	1176.910	0.025
116.000	0.000	0.842	0.009	1.491	1176.909	0.019
116.200	0.000	0.740	0.008	1.492	1176.908	0.015
116.400	0.000	0.644	0.007	1.493	1176.907	0.011
116.600	0.000	0.555	0.006	1.494	1176.906	0.008
116.800	0.000	0.478	0.005	1.495	1176.905	0.006
117.000	0.000	0.408	0.004	1.496	1176.904	0.004
117.200	0.000	0.344	0.004	1.496	1176.904	0.003
117.400	0.000	0.287	0.003	1.497	1176.903	0.002
117.600	0.000	0.236	0.003	1.497	1176.903	0.001
117.800	0.000	0.198	0.002	1.498	1176.902	0.001
118.000	0.000	0.159	0.002	1.498	1176.902	0.001
118.200	0.000	0.134	0.001	1.499	1176.901	0.000
118.400	0.000	0.108	0.001	1.499	1176.901	0.000
118.600	0.000	0.083	0.001	1.499	1176.901	0.000
118.800	0.000	0.070	0.001	1.499	1176.901	0.000
119.000	0.000	0.057	0.001	1.499	1176.901	0.000
119.200	0.000	0.045	0.000	1.500	1176.900	0.000
119.400	0.000	0.032	0.000	1.500	1176.900	0.000
119.600	0.000	0.026	0.000	1.500	1176.900	0.000
119.800	0.000	0.026	0.000	1.500	1176.900	0.000
120.000	0.000	0.026	0.000	1.500	1176.900	0.000





ARQUITETURA + URBANISMO
 CLN nº 01. B. 8. SL. 900 - CEP 70.743-900
 BRASÍLIA - DF - FONE: 01 3034 3700

CANAL: PO-10B

DATA: 18.12.2019

IMPULT DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	205.066	COTA DE FUNDO JUSANTE (m)			
VAZÃO DE SAÍDA MAX. (l/s)	22.80	121.690	COTA VERTEDOIRO (m)			
PROFUNDIDADE MAX. (m)	22.60	0.545	COTA DO ORIFÍCIO (m)			
FREEBOARD MIN. (m)	22.60	0.955	VERTEDOIRO DE CONTROLE (cm)			
NA MAX. (m)	22.60	1,175.395	VERTEDOIRO DE DESCARGA (cm)			
VOLUME MAX (m³)	22.60	78.29	DRENO DE FUNDO 3X Ø (mm)			
VOLUME TOTAL (m³)		419.17	COEF. DE DESCARGA DO VERTEDOIRO			
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO			
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1174.850	0.000
0.200	2.381	0.000	0.003	1.497	1174.853	0.002
0.400	5.157	0.864	0.009	1.491	1174.859	0.019
0.600	8.092	1.886	0.016	1.484	1174.866	0.061
0.800	11.060	2.989	0.023	1.477	1174.873	0.129
1.000	14.046	4.114	0.031	1.469	1174.881	0.226
1.200	17.033	5.250	0.038	1.462	1174.888	0.349
1.400	20.032	6.386	0.046	1.455	1174.896	0.499
1.600	23.032	7.523	0.053	1.447	1174.903	0.677
1.800	26.012	8.670	0.060	1.440	1174.910	0.879
2.000	28.979	9.784	0.068	1.432	1174.918	1.103
2.200	31.940	10.875	0.075	1.425	1174.925	1.351
2.400	34.889	11.954	0.082	1.418	1174.932	1.618
2.600	37.837	13.022	0.089	1.411	1174.939	1.909
2.800	40.779	14.091	0.096	1.404	1174.946	2.224
3.000	43.715	15.159	0.103	1.397	1174.953	2.560
3.200	46.650	16.204	0.110	1.391	1174.960	2.917
3.400	49.586	17.250	0.116	1.384	1174.966	3.297
3.600	52.521	18.295	0.123	1.377	1174.973	3.702
3.800	55.451	19.341	0.130	1.370	1174.980	4.131
4.000	58.373	20.386	0.137	1.363	1174.987	4.584
4.200	61.296	21.431	0.144	1.356	1174.994	5.055
4.400	64.129	22.454	0.150	1.350	1175.000	5.545
4.600	66.882	23.564	0.157	1.343	1175.007	6.058
4.800	69.635	25.021	0.164	1.336	1175.014	6.588
5.000	72.389	26.446	0.170	1.330	1175.020	7.136
5.200	75.142	27.855	0.177	1.323	1175.027	7.693
5.400	77.904	29.248	0.183	1.317	1175.033	8.271
5.600	80.667	30.641	0.189	1.311	1175.039	8.871
5.800	83.425	32.017	0.196	1.304	1175.046	9.479
6.000	86.178	33.377	0.202	1.298	1175.052	10.107
6.200	88.931	34.738	0.208	1.292	1175.058	10.756
6.400	91.684	36.082	0.214	1.286	1175.064	11.410
6.600	94.438	37.410	0.220	1.280	1175.070	12.084
6.800	97.191	38.738	0.226	1.274	1175.076	12.779
7.000	99.944	40.066	0.233	1.267	1175.083	13.494
7.200	102.697	41.393	0.239	1.261	1175.089	14.230
7.400	105.451	42.721	0.245	1.255	1175.095	14.976
7.600	108.204	44.017	0.251	1.249	1175.101	15.732
7.800	110.957	45.312	0.257	1.243	1175.107	16.509
8.000	113.710	46.608	0.263	1.237	1175.113	17.305
8.200	116.463	47.904	0.269	1.231	1175.119	18.120
8.400	119.217	49.199	0.274	1.226	1175.124	18.956
8.600	121.936	50.495	0.280	1.220	1175.130	19.812
8.800	124.552	51.790	0.286	1.214	1175.136	20.688
9.000	127.168	53.069	0.292	1.208	1175.142	21.560
9.200	129.784	54.333	0.298	1.202	1175.148	22.452
9.400	132.400	55.596	0.304	1.196	1175.154	23.363
9.600	135.016	56.936	0.310	1.190	1175.160	24.293
9.800	137.632	58.430	0.315	1.185	1175.165	25.242
10.000	140.248	59.924	0.321	1.179	1175.171	26.211
10.200	142.864	61.400	0.327	1.173	1175.177	27.174
10.400	145.480	62.856	0.333	1.167	1175.183	28.155
10.600	148.096	64.312	0.338	1.162	1175.188	29.155
10.800	150.712	65.768	0.344	1.156	1175.194	30.173
11.000	153.329	67.224	0.349	1.151	1175.199	31.210
11.200	155.945	68.680	0.355	1.145	1175.205	32.251
11.400	158.561	70.097	0.361	1.139	1175.211	33.297
11.600	161.177	71.515	0.366	1.134	1175.216	34.360
11.800	163.793	72.933	0.372	1.128	1175.222	35.441
12.000	166.409	74.350	0.377	1.123	1175.227	36.541
12.200	169.025	75.768	0.383	1.117	1175.233	37.658
12.400	171.641	77.185	0.388	1.112	1175.238	38.793
12.600	174.257	78.603	0.394	1.106	1175.244	39.947
12.800	176.873	80.021	0.399	1.101	1175.249	41.102
13.000	179.437	81.400	0.404	1.096	1175.254	42.259
13.200	181.996	82.780	0.410	1.090	1175.260	43.433

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	184.555	84.159	0.415	1.085	1175.265	44.625
13.600	187.114	85.538	0.420	1.080	1175.270	45.834
13.800	189.673	86.918	0.426	1.074	1175.276	47.060
14.000	192.232	88.297	0.431	1.069	1175.281	48.304
14.200	194.794	89.676	0.437	1.063	1175.287	49.566
14.400	197.358	91.056	0.442	1.058	1175.292	50.845
14.600	199.925	92.435	0.447	1.053	1175.297	52.141
14.800	202.494	93.814	0.453	1.047	1175.303	53.455
15.000	205.066	95.194	0.458	1.042	1175.308	54.784
15.200	203.020	96.681	0.463	1.037	1175.313	56.073
15.400	200.969	98.171	0.468	1.032	1175.318	57.337
15.600	198.912	99.596	0.473	1.027	1175.323	58.539
15.800	196.848	100.955	0.477	1.023	1175.327	59.713
16.000	194.778	102.248	0.482	1.018	1175.332	60.840
16.200	192.703	103.498	0.486	1.014	1175.336	61.918
16.400	190.623	104.681	0.490	1.010	1175.340	62.965
16.600	188.538	105.821	0.493	1.007	1175.343	63.980
16.800	186.448	106.917	0.497	1.003	1175.347	64.963
17.000	184.352	107.947	0.501	0.999	1175.351	65.892
17.200	182.245	108.934	0.504	0.996	1175.354	66.784
17.400	180.111	109.876	0.507	0.993	1175.357	67.638
17.600	177.973	110.775	0.510	0.990	1175.360	68.452
17.800	175.831	111.652	0.513	0.987	1175.363	69.246
18.000	173.684	112.484	0.516	0.984	1175.366	70.002
18.200	171.535	113.274	0.518	0.982	1175.368	70.718
18.400	169.381	114.019	0.521	0.979	1175.371	71.394
18.600	167.223	114.720	0.523	0.977	1175.373	72.050
18.800	165.060	115.400	0.525	0.975	1175.375	72.666
19.000	162.893	116.035	0.527	0.973	1175.377	73.242
19.200	160.724	116.627	0.529	0.971	1175.379	73.777
19.400	158.550	117.197	0.531	0.969	1175.381	74.292
19.600	156.372	117.723	0.533	0.967	1175.383	74.767
19.800	154.189	118.205	0.534	0.966	1175.384	75.221
20.000	152.004	118.666	0.536	0.964	1175.386	75.635
20.200	149.814	119.082	0.537	0.963	1175.387	76.007
20.400	147.620	119.477	0.539	0.961	1175.389	76.359
20.600	145.424	119.827	0.540	0.960	1175.390	76.690
20.800	143.224	120.156	0.541	0.959	1175.391	76.981
21.000	141.018	120.441	0.542	0.958	1175.392	77.230
21.200	138.811	120.704	0.543	0.957	1175.393	77.458
21.400	136.599	120.923	0.543	0.957	1175.393	77.666
21.600	134.383	121.121	0.544	0.956	1175.394	77.832
21.800	132.164	121.296	0.544	0.956	1175.394	77.977
22.000	129.941	121.427	0.545	0.955	1175.395	78.102
22.200	127.716	121.537	0.545	0.955	1175.395	78.185
22.400	125.486	121.625	0.545	0.955	1175.395	78.247
22.600	123.254	121.669	0.545	0.955	1175.395	78.289
22.800	121.017	121.690	0.545	0.955	1175.395	78.289
23.000	118.778	121.690	0.545	0.955	1175.395	78.268
23.200	116.535	121.647	0.545	0.955	1175.395	78.227
23.400	114.287	121.581	0.545	0.955	1175.395	78.143
23.600	112.037	121.493	0.545	0.955	1175.395	78.040
23.800	109.785	121.362	0.544	0.956	1175.394	77.915
24.000	107.529	121.230	0.544	0.956	1175.394	77.769
24.200	105.267	121.055	0.543	0.957	1175.393	77.603
24.400	103.004	120.858	0.542	0.958	1175.392	77.396
24.600	100.738	120.638	0.541	0.959	1175.391	77.167
24.800	98.468	120.375	0.541	0.959	1175.391	76.919
25.000	96.194	120.112	0.540	0.960	1175.390	76.649
25.200	93.917	119.805	0.539	0.961	1175.389	76.359
25.400	91.638	119.477	0.537	0.963	1175.387	76.028
25.600	89.354	119.126	0.536	0.964	1175.386	75.697
25.800	87.066	118.753	0.535	0.965	1175.385	75.325
26.000	84.776	118.359	0.533	0.967	1175.383	74.932
26.200	82.483	117.920	0.532	0.968	1175.382	74.519
26.400	80.186	117.482	0.530	0.970	1175.380	74.086
26.600	77.887	117.000	0.529	0.971	1175.379	73.633
26.800	75.583	116.518	0.527	0.973	1175.377	73.160
27.000	73.277	115.992	0.525	0.975	1175.375	72.666
27.200	70.967	115.444	0.523	0.977	1175.373	72.132
27.400	68.654	114.874	0.521	0.979	1175.371	71.599
27.600	66.339	114.282	0.519	0.981	1175.369	71.025
27.800	64.020	113.668	0.517	0.983	1175.367	70.452
28.000	61.698	113.032	0.515	0.985	1175.365	69.839
28.200	59.372	112.375	0.513	0.987	1175.363	69.226
28.400	57.044	111.695	0.510	0.990	1175.360	68.574
28.600	54.711	110.994	0.508	0.992	1175.358	67.922
28.800	52.376	110.271	0.505	0.995	1175.355	67.231
29.000	50.038	109.525	0.503	0.997	1175.353	66.541
29.200	47.697	108.758	0.500	1.000	1175.350	65.811
29.400	45.353	107.969	0.498	1.002	1175.348	65.084
29.600	43.004	107.158	0.495	1.005	1175.345	64.321
29.800	40.653	106.325	0.492	1.008	1175.342	63.541

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	38.298	105.448	0.489	1.011	1175.339	62.747
30.200	38.251	104.572	0.486	1.014	1175.336	61.957
30.400	38.201	103.695	0.483	1.017	1175.333	61.172
30.600	38.152	102.818	0.480	1.020	1175.330	60.392
30.800	38.103	101.941	0.477	1.023	1175.327	59.616
31.000	38.054	101.065	0.474	1.026	1175.324	58.846
31.200	38.004	100.188	0.471	1.029	1175.321	58.099
31.400	37.955	99.355	0.468	1.032	1175.318	57.375
31.600	37.906	98.522	0.465	1.035	1175.315	56.656
31.800	37.859	97.689	0.463	1.037	1175.313	55.942
32.000	37.814	96.856	0.460	1.040	1175.310	55.231
32.200	37.769	96.023	0.457	1.043	1175.307	54.525
32.400	37.724	95.251	0.454	1.046	1175.304	53.823
32.600	37.679	94.523	0.451	1.049	1175.301	53.125
32.800	37.635	93.795	0.449	1.051	1175.299	52.450
33.000	37.590	93.105	0.446	1.054	1175.296	51.798
33.200	37.545	92.416	0.443	1.057	1175.293	51.149
33.400	37.500	91.726	0.440	1.060	1175.290	50.506
33.600	37.456	91.036	0.438	1.062	1175.288	49.866
33.800	37.411	90.347	0.435	1.065	1175.285	49.231
34.000	37.366	89.657	0.432	1.068	1175.282	48.601
34.200	37.321	88.967	0.430	1.070	1175.280	47.974
34.400	37.276	88.278	0.427	1.073	1175.277	47.353
34.600	37.232	87.588	0.424	1.076	1175.274	46.735
34.800	37.187	86.898	0.422	1.078	1175.272	46.122
35.000	37.142	86.228	0.419	1.081	1175.269	45.547
35.200	37.097	85.577	0.417	1.083	1175.267	44.975
35.400	37.052	84.925	0.414	1.086	1175.264	44.408
35.600	37.008	84.274	0.412	1.088	1175.262	43.845
35.800	36.963	83.622	0.409	1.091	1175.259	43.285
36.000	36.918	82.971	0.407	1.093	1175.257	42.730
36.200	36.873	82.320	0.404	1.096	1175.254	42.178
36.400	36.828	81.668	0.402	1.099	1175.252	41.630
36.600	36.784	81.017	0.399	1.101	1175.249	41.086
36.800	36.739	80.366	0.397	1.103	1175.247	40.562
37.000	36.694	79.753	0.394	1.106	1175.244	40.057
37.200	36.649	79.140	0.392	1.108	1175.242	39.555
37.400	36.604	78.527	0.389	1.111	1175.239	39.057
37.600	36.560	77.913	0.387	1.113	1175.237	38.562
37.800	36.515	77.300	0.385	1.115	1175.235	38.070
38.000	36.470	76.687	0.382	1.118	1175.232	37.582
38.200	36.425	76.074	0.380	1.120	1175.230	37.097
38.400	36.380	75.461	0.377	1.123	1175.227	36.616
38.600	36.336	74.848	0.375	1.125	1175.225	36.152
38.800	36.291	74.274	0.373	1.127	1175.223	35.707
39.000	36.246	73.699	0.371	1.129	1175.221	35.265
39.200	36.201	73.124	0.368	1.132	1175.218	34.825
39.400	36.156	72.549	0.366	1.134	1175.216	34.389
39.600	36.112	71.975	0.364	1.136	1175.214	33.955
39.800	36.067	71.400	0.362	1.138	1175.212	33.525
40.000	36.022	70.825	0.360	1.140	1175.210	33.097
40.200	35.977	70.250	0.357	1.143	1175.207	32.673
40.400	35.932	69.695	0.355	1.145	1175.205	32.279
40.600	35.888	69.158	0.353	1.147	1175.203	31.888
40.800	35.843	68.622	0.351	1.149	1175.201	31.500
41.000	35.798	68.086	0.349	1.151	1175.199	31.114
41.200	35.753	67.549	0.347	1.153	1175.197	30.730
41.400	35.708	67.013	0.345	1.155	1175.195	30.349
41.600	35.664	66.476	0.343	1.157	1175.193	29.971
41.800	35.619	65.940	0.341	1.159	1175.191	29.595
42.000	35.574	65.423	0.339	1.161	1175.189	29.248
42.200	35.529	64.925	0.337	1.163	1175.187	28.903
42.400	35.484	64.427	0.335	1.165	1175.185	28.561
42.600	35.440	63.928	0.333	1.167	1175.183	28.221
42.800	35.395	63.430	0.331	1.169	1175.181	27.882
43.000	35.350	62.932	0.329	1.171	1175.179	27.546
43.200	35.305	62.434	0.327	1.173	1175.177	27.212
43.400	35.260	61.936	0.325	1.175	1175.175	26.881
43.600	35.216	61.457	0.323	1.177	1175.173	26.577
43.800	35.171	60.997	0.322	1.178	1175.172	26.274
44.000	35.126	60.538	0.320	1.180	1175.170	25.973
44.200	35.081	60.078	0.318	1.182	1175.168	25.675
44.400	35.036	59.618	0.316	1.184	1175.166	25.378
44.600	34.992	59.158	0.314	1.186	1175.164	25.083
44.800	34.947	58.698	0.313	1.187	1175.163	24.789
45.000	34.902	58.239	0.311	1.189	1175.161	24.498
45.200	34.857	57.798	0.309	1.191	1175.159	24.233
45.400	34.812	57.377	0.308	1.192	1175.158	23.969
45.600	34.768	56.955	0.306	1.194	1175.156	23.706
45.800	34.723	56.534	0.304	1.196	1175.154	23.445
46.000	34.678	56.163	0.303	1.197	1175.153	23.186
46.200	34.633	55.806	0.301	1.199	1175.151	22.928
46.400	34.588	55.450	0.299	1.201	1175.149	22.672

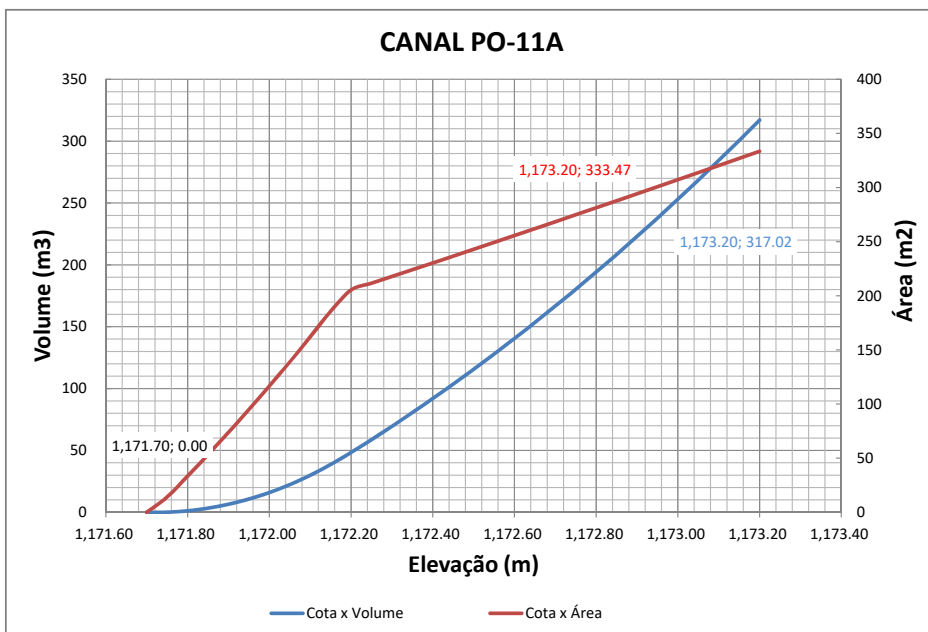
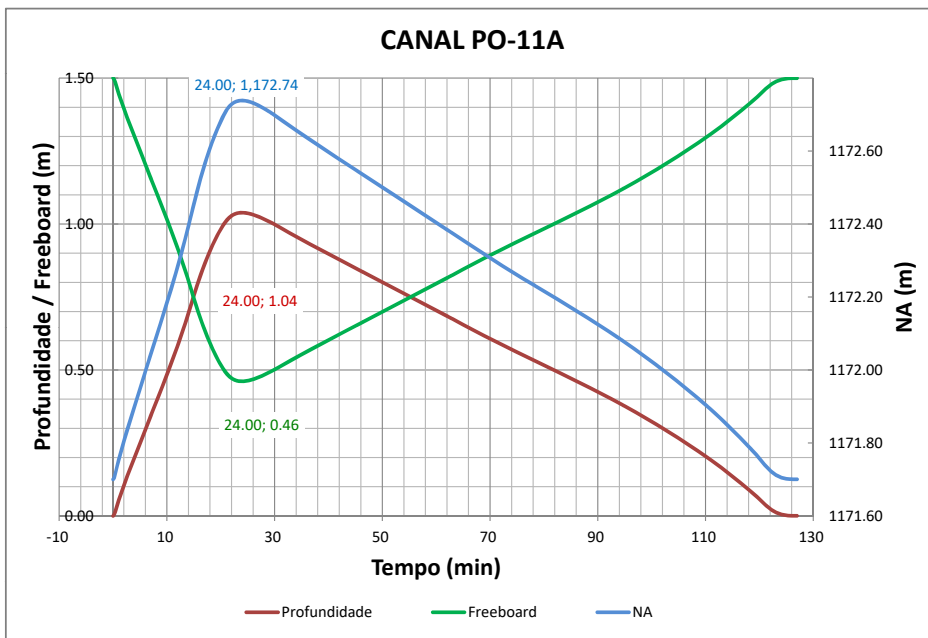
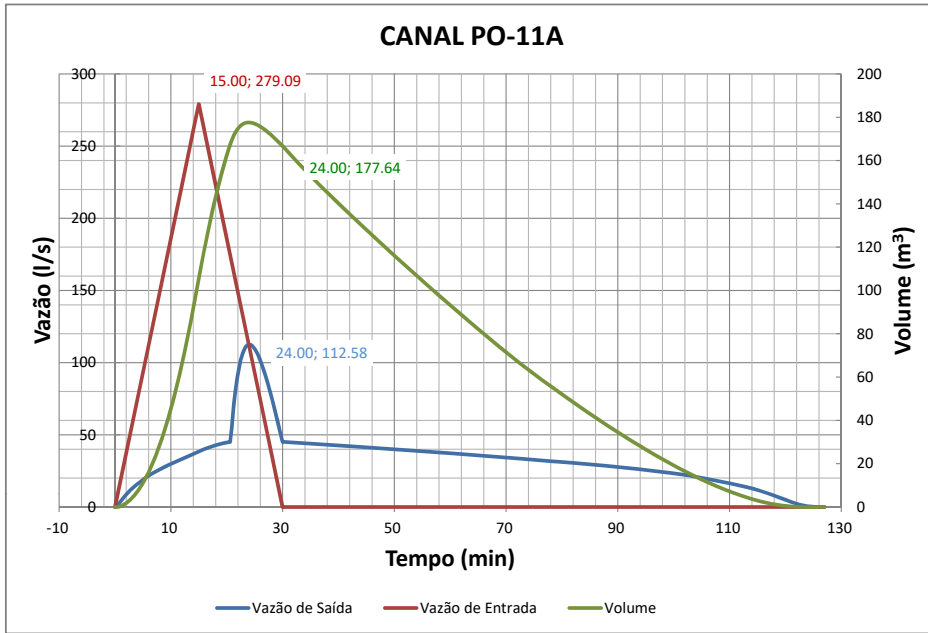
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
46.600	34.544	55.094	0.298	1.202	1175.148	22.417
46.800	34.499	54.737	0.296	1.204	1175.146	22.164
47.000	34.454	54.381	0.295	1.205	1175.145	21.924
47.200	34.409	54.057	0.293	1.207	1175.143	21.696
47.400	34.364	53.733	0.292	1.208	1175.142	21.470
47.600	34.318	53.410	0.290	1.210	1175.140	21.245
47.800	34.266	53.086	0.289	1.211	1175.139	21.021
48.000	34.214	52.762	0.287	1.213	1175.137	20.798
48.200	34.162	52.438	0.286	1.214	1175.136	20.577
48.400	34.110	52.114	0.284	1.216	1175.134	20.357
48.600	34.059	51.790	0.283	1.217	1175.133	20.138
48.800	34.007	51.466	0.281	1.219	1175.131	19.920
49.000	33.955	51.142	0.280	1.220	1175.130	19.704
49.200	33.903	50.835	0.278	1.222	1175.128	19.510
49.400	33.851	50.543	0.277	1.223	1175.127	19.318
49.600	33.800	50.252	0.276	1.224	1175.126	19.126
49.800	33.748	49.960	0.274	1.226	1175.124	18.935
50.000	33.696	49.669	0.273	1.227	1175.123	18.745
50.200	33.644	49.377	0.272	1.228	1175.122	18.557
50.400	33.593	49.086	0.270	1.230	1175.120	18.369
50.600	33.541	48.794	0.269	1.231	1175.119	18.182
50.800	33.489	48.503	0.268	1.232	1175.118	17.997
51.000	33.437	48.211	0.266	1.234	1175.116	17.812
51.200	33.385	47.920	0.265	1.235	1175.115	17.629
51.400	33.334	47.628	0.264	1.236	1175.114	17.456
51.600	33.282	47.369	0.263	1.238	1175.113	17.294
51.800	33.230	47.110	0.261	1.239	1175.111	17.134
52.000	33.178	46.851	0.260	1.240	1175.110	16.974
52.200	33.126	46.592	0.259	1.241	1175.109	16.815
52.400	33.075	46.333	0.258	1.242	1175.108	16.656
52.600	33.023	46.074	0.257	1.243	1175.107	16.499
52.800	32.971	45.814	0.255	1.245	1175.105	16.342
53.000	32.919	45.555	0.254	1.246	1175.104	16.186
53.200	32.867	45.296	0.253	1.247	1175.103	16.031
53.400	32.816	45.037	0.252	1.248	1175.102	15.876
53.600	32.764	44.778	0.251	1.249	1175.101	15.723
53.800	32.712	44.535	0.250	1.250	1175.100	15.589
54.000	32.660	44.308	0.249	1.251	1175.099	15.456
54.200	32.609	44.082	0.247	1.253	1175.097	15.323
54.400	32.557	43.855	0.246	1.254	1175.096	15.191
54.600	32.505	43.628	0.245	1.255	1175.095	15.060
54.800	32.453	43.402	0.244	1.256	1175.094	14.929
55.000	32.401	43.175	0.243	1.257	1175.093	14.799
55.200	32.350	42.948	0.242	1.258	1175.092	14.669
55.400	32.298	42.721	0.241	1.259	1175.091	14.540
55.600	32.246	42.495	0.240	1.260	1175.090	14.412
55.800	32.194	42.268	0.239	1.261	1175.089	14.284
56.000	32.142	42.041	0.238	1.262	1175.088	14.157
56.200	32.091	41.831	0.237	1.263	1175.087	14.048
56.400	32.039	41.636	0.236	1.264	1175.086	13.940
56.600	31.987	41.442	0.235	1.265	1175.085	13.832
56.800	31.935	41.248	0.235	1.265	1175.085	13.725
57.000	31.883	41.053	0.234	1.266	1175.084	13.618
57.200	31.832	40.859	0.233	1.267	1175.083	13.512
57.400	31.780	40.665	0.232	1.268	1175.082	13.406
57.600	31.728	40.470	0.231	1.269	1175.081	13.300
57.800	31.676	40.276	0.230	1.270	1175.080	13.195
58.000	31.624	40.082	0.229	1.271	1175.079	13.091
58.200	31.573	39.887	0.228	1.272	1175.078	12.986
58.400	31.521	39.693	0.227	1.273	1175.077	12.882
58.600	31.469	39.499	0.226	1.274	1175.076	12.779
58.800	31.417	39.304	0.226	1.274	1175.076	12.676
59.000	31.366	39.126	0.225	1.275	1175.075	12.591
59.200	31.314	38.964	0.224	1.276	1175.074	12.506
59.400	31.262	38.802	0.223	1.277	1175.073	12.421
59.600	31.210	38.640	0.223	1.277	1175.073	12.336
59.800	31.158	38.479	0.222	1.278	1175.072	12.252
60.000	31.107	38.317	0.221	1.279	1175.071	12.168
60.200	31.055	38.155	0.220	1.280	1175.070	12.084
60.400	31.003	37.993	0.220	1.280	1175.070	12.001
60.600	30.951	37.831	0.219	1.281	1175.069	11.918
60.800	30.899	37.669	0.218	1.282	1175.068	11.835
61.000	30.848	37.507	0.217	1.283	1175.067	11.753
61.200	30.796	37.345	0.217	1.283	1175.067	11.671
61.400	30.744	37.183	0.216	1.284	1175.066	11.589
61.600	30.692	37.021	0.215	1.285	1175.065	11.507
61.800	30.640	36.859	0.214	1.286	1175.064	11.426
62.000	30.589	36.697	0.214	1.286	1175.064	11.345
62.200	30.537	36.551	0.213	1.287	1175.063	11.281
62.400	30.485	36.422	0.212	1.288	1175.062	11.216
62.600	30.433	36.292	0.212	1.288	1175.062	11.152
62.800	30.382	36.163	0.211	1.289	1175.061	11.088
63.000	30.330	36.033	0.211	1.289	1175.061	11.024

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
63.200	30.278	35.904	0.210	1.290	1175.060	10.961
63.400	30.226	35.774	0.210	1.290	1175.060	10.898
63.600	30.174	35.645	0.209	1.291	1175.059	10.834
63.800	30.123	35.515	0.208	1.292	1175.058	10.771
64.000	30.071	35.385	0.208	1.292	1175.058	10.709
64.200	30.019	35.256	0.207	1.293	1175.057	10.646
64.400	29.967	35.126	0.207	1.293	1175.057	10.584
64.600	29.915	34.997	0.206	1.294	1175.056	10.521
64.800	29.864	34.867	0.205	1.295	1175.055	10.459
65.000	29.812	34.738	0.205	1.295	1175.055	10.398
65.200	29.760	34.608	0.204	1.296	1175.054	10.336
65.400	29.708	34.479	0.204	1.296	1175.054	10.275
65.600	29.656	34.349	0.203	1.297	1175.053	10.213
65.800	29.605	34.219	0.202	1.298	1175.052	10.152
66.000	29.553	34.090	0.202	1.298	1175.052	10.091
66.200	29.501	33.960	0.201	1.299	1175.051	10.031
66.400	29.449	33.831	0.201	1.299	1175.051	9.978
66.600	29.398	33.734	0.200	1.300	1175.050	9.933
66.800	29.346	33.636	0.200	1.300	1175.050	9.887
67.000	29.294	33.539	0.199	1.301	1175.049	9.842
67.200	29.242	33.442	0.199	1.301	1175.049	9.798
67.400	29.190	33.345	0.198	1.302	1175.048	9.753
67.600	29.139	33.248	0.198	1.302	1175.048	9.708
67.800	29.087	33.151	0.198	1.302	1175.048	9.663
68.000	29.035	33.053	0.197	1.303	1175.047	9.619
68.200	28.972	32.956	0.197	1.303	1175.047	9.575
68.400	28.909	32.859	0.196	1.304	1175.046	9.530
68.600	28.845	32.762	0.196	1.304	1175.046	9.486
68.800	28.781	32.665	0.195	1.305	1175.045	9.442
69.000	28.718	32.568	0.195	1.305	1175.045	9.398
69.200	28.654	32.471	0.194	1.306	1175.044	9.354
69.400	28.590	32.373	0.194	1.306	1175.044	9.310
69.600	28.527	32.276	0.194	1.306	1175.044	9.267
69.800	28.463	32.179	0.193	1.307	1175.043	9.223
70.000	28.399	32.082	0.193	1.307	1175.043	9.180
70.200	28.336	31.985	0.192	1.308	1175.042	9.136
70.400	28.272	31.888	0.192	1.308	1175.042	9.093
70.600	28.208	31.790	0.191	1.309	1175.041	9.050
70.800	28.145	31.693	0.191	1.309	1175.041	9.007
71.000	28.081	31.596	0.190	1.310	1175.040	8.964
71.200	28.017	31.499	0.190	1.310	1175.040	8.921
71.400	27.954	31.402	0.190	1.311	1175.040	8.879
71.600	27.890	31.305	0.189	1.311	1175.039	8.836
71.800	27.826	31.207	0.189	1.311	1175.039	8.793
72.000	27.763	31.110	0.188	1.312	1175.038	8.751
72.200	27.699	31.013	0.188	1.312	1175.038	8.709
72.400	27.635	30.916	0.187	1.313	1175.037	8.667
72.600	27.572	30.819	0.187	1.313	1175.037	8.625
72.800	27.508	30.722	0.186	1.314	1175.036	8.583
73.000	27.444	30.624	0.186	1.314	1175.036	8.541
73.200	27.381	30.527	0.185	1.315	1175.035	8.499
73.400	27.317	30.430	0.185	1.315	1175.035	8.457
73.600	27.253	30.333	0.185	1.315	1175.035	8.416
73.800	27.190	30.236	0.184	1.316	1175.034	8.374
74.000	27.126	30.139	0.184	1.316	1175.034	8.333
74.200	27.062	30.041	0.183	1.317	1175.033	8.292
74.400	26.999	29.944	0.183	1.317	1175.033	8.251
74.600	26.935	29.847	0.182	1.318	1175.032	8.210
74.800	26.871	29.750	0.182	1.318	1175.032	8.169
75.000	26.801	29.653	0.181	1.319	1175.031	8.128
75.200	26.731	29.556	0.181	1.319	1175.031	8.094
75.400	26.661	29.475	0.181	1.319	1175.031	8.060
75.600	26.591	29.410	0.180	1.320	1175.030	8.026
75.800	26.521	29.329	0.180	1.320	1175.030	7.999
76.000	26.451	29.248	0.180	1.320	1175.030	7.966
76.200	26.381	29.183	0.179	1.321	1175.029	7.932
76.400	26.311	29.102	0.179	1.321	1175.029	7.905
76.600	26.241	29.021	0.179	1.321	1175.029	7.872
76.800	26.171	28.956	0.178	1.322	1175.028	7.839
77.000	26.101	28.875	0.178	1.322	1175.028	7.812
77.200	26.031	28.794	0.178	1.322	1175.028	7.779
77.400	25.961	28.730	0.177	1.323	1175.027	7.745
77.600	25.891	28.649	0.177	1.323	1175.027	7.719
77.800	25.821	28.568	0.177	1.323	1175.027	7.686
78.000	25.751	28.503	0.176	1.324	1175.026	7.653
78.200	25.681	28.422	0.176	1.324	1175.026	7.627
78.400	25.611	28.341	0.176	1.324	1175.026	7.594
78.600	25.541	28.260	0.175	1.325	1175.025	7.561
78.800	25.471	28.195	0.175	1.325	1175.025	7.528
79.000	25.401	28.114	0.174	1.326	1175.024	7.502

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
79.200	25.331	28.033	0.174	1.326	1175.024	7.470
79.400	25.260	27.969	0.174	1.326	1175.024	7.437
79.600	25.190	27.888	0.173	1.327	1175.023	7.411
79.800	25.120	27.807	0.173	1.327	1175.023	7.379
80.000	25.050	27.742	0.173	1.327	1175.023	7.347
80.200	24.980	27.661	0.172	1.328	1175.022	7.321
80.400	24.910	27.580	0.172	1.328	1175.022	7.289
80.600	24.840	27.515	0.172	1.328	1175.022	7.257
80.800	24.770	27.434	0.171	1.329	1175.021	7.231
81.000	24.700	27.353	0.171	1.329	1175.021	7.199
81.200	24.630	27.288	0.171	1.329	1175.021	7.167
81.400	24.560	27.207	0.170	1.330	1175.020	7.142
81.600	24.490	27.126	0.170	1.330	1175.020	7.110
81.800	24.420	27.062	0.170	1.330	1175.020	7.079
82.000	24.350	26.981	0.169	1.331	1175.019	7.053
82.200	24.280	26.900	0.169	1.331	1175.019	7.022
82.400	24.210	26.835	0.169	1.331	1175.019	6.990
82.600	24.140	26.754	0.168	1.332	1175.018	6.965
82.800	24.070	26.673	0.168	1.332	1175.018	6.934
83.000	24.000	26.608	0.167	1.333	1175.017	6.903
83.200	23.930	26.527	0.167	1.333	1175.017	6.878
83.400	23.857	26.446	0.167	1.333	1175.017	6.847
83.600	23.780	26.365	0.166	1.334	1175.016	6.816
83.800	23.704	26.284	0.166	1.334	1175.016	6.778
84.000	23.627	26.203	0.166	1.334	1175.016	6.748
84.200	23.551	26.122	0.165	1.335	1175.015	6.717
84.400	23.475	26.041	0.165	1.335	1175.015	6.686
84.600	23.398	25.960	0.164	1.336	1175.014	6.655
84.800	23.322	25.880	0.164	1.336	1175.014	6.625
85.000	23.245	25.782	0.164	1.336	1175.014	6.594
85.200	23.169	25.701	0.163	1.337	1175.013	6.564
85.400	23.092	25.620	0.163	1.337	1175.013	6.533
85.600	23.016	25.539	0.163	1.337	1175.013	6.503
85.800	22.940	25.458	0.162	1.338	1175.012	6.467
86.000	22.863	25.377	0.162	1.338	1175.012	6.437
86.200	22.787	25.297	0.161	1.339	1175.011	6.407
86.400	22.710	25.216	0.161	1.339	1175.011	6.377
86.600	22.634	25.135	0.161	1.339	1175.011	6.347
86.800	22.558	25.037	0.160	1.340	1175.010	6.317
87.000	22.468	24.956	0.160	1.340	1175.010	6.281
87.200	22.358	24.859	0.159	1.341	1175.009	6.246
87.400	22.247	24.762	0.159	1.341	1175.009	6.210
87.600	22.136	24.665	0.159	1.341	1175.009	6.175
87.800	22.026	24.568	0.158	1.342	1175.008	6.140
88.000	21.915	24.471	0.158	1.342	1175.008	6.104
88.200	21.804	24.373	0.157	1.343	1175.007	6.069
88.400	21.694	24.276	0.157	1.343	1175.007	6.034
88.600	21.583	24.179	0.156	1.344	1175.006	5.999
88.800	21.472	24.082	0.156	1.344	1175.006	5.965
89.000	21.361	23.985	0.155	1.345	1175.005	5.930
89.200	21.251	23.888	0.155	1.345	1175.005	5.896
89.400	21.140	23.790	0.155	1.345	1175.005	5.861
89.600	21.029	23.693	0.154	1.346	1175.004	5.827
89.800	20.919	23.596	0.154	1.346	1175.004	5.792
90.000	20.808	23.499	0.153	1.347	1175.003	5.758
90.200	20.697	23.402	0.153	1.347	1175.003	5.724
90.400	20.587	23.305	0.152	1.348	1175.002	5.690
90.600	20.476	23.227	0.152	1.348	1175.002	5.657
90.800	20.365	23.159	0.151	1.349	1175.001	5.623
91.000	20.254	23.090	0.151	1.349	1175.001	5.589
91.200	20.135	23.022	0.151	1.350	1175.001	5.556
91.400	20.015	22.954	0.150	1.350	1175.000	5.522
91.600	19.895	22.886	0.150	1.350	1175.000	5.489
91.800	19.775	22.818	0.149	1.351	1174.999	5.456
92.000	19.655	22.750	0.149	1.351	1174.999	5.423
92.200	19.535	22.681	0.148	1.352	1174.998	5.390
92.400	19.415	22.613	0.148	1.352	1174.998	5.352
92.600	19.295	22.522	0.147	1.353	1174.997	5.308
92.800	19.175	22.431	0.147	1.353	1174.997	5.264
93.000	19.055	22.340	0.146	1.354	1174.996	5.221
93.200	18.935	22.250	0.145	1.355	1174.995	5.178
93.400	18.815	22.159	0.145	1.355	1174.995	5.135
93.600	18.695	22.068	0.144	1.356	1174.994	5.092
93.800	18.576	21.977	0.144	1.356	1174.994	5.050
94.000	18.456	21.886	0.143	1.357	1174.993	5.007
94.200	18.336	21.795	0.142	1.358	1174.992	4.965
94.400	18.216	21.704	0.142	1.358	1174.992	4.923
94.600	18.096	21.613	0.141	1.359	1174.991	4.881
94.800	17.976	21.522	0.141	1.359	1174.991	4.840
95.000	17.856	21.431	0.140	1.360	1174.990	4.798
95.200	17.736	21.340	0.139	1.361	1174.989	4.757

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
95.400	17.616	21.250	0.139	1.361	1174.989	4.716
95.600	17.496	21.159	0.138	1.362	1174.988	4.675
95.800	17.376	21.068	0.138	1.362	1174.988	4.634
96.000	17.256	20.977	0.137	1.363	1174.987	4.594
96.200	17.137	20.886	0.136	1.364	1174.986	4.553
96.400	17.017	20.795	0.136	1.364	1174.986	4.508
96.600	16.897	20.681	0.135	1.365	1174.985	4.458
96.800	16.777	20.568	0.134	1.366	1174.984	4.409
97.000	16.657	20.454	0.134	1.366	1174.984	4.359
97.200	16.537	20.340	0.133	1.367	1174.983	4.310
97.400	16.417	20.227	0.132	1.368	1174.982	4.261
97.600	16.297	20.113	0.131	1.369	1174.981	4.213
97.800	16.177	20.000	0.131	1.369	1174.981	4.164
98.000	16.048	19.886	0.130	1.370	1174.980	4.116
98.200	15.919	19.772	0.129	1.371	1174.979	4.069
98.400	15.790	19.659	0.128	1.372	1174.978	4.021
98.600	15.661	19.545	0.128	1.372	1174.978	3.974
98.800	15.531	19.431	0.127	1.373	1174.977	3.927
99.000	15.402	19.318	0.126	1.374	1174.976	3.881
99.200	15.273	19.204	0.125	1.375	1174.975	3.835
99.400	15.144	19.091	0.125	1.375	1174.975	3.789
99.600	15.015	18.977	0.124	1.376	1174.974	3.743
99.800	14.886	18.863	0.123	1.377	1174.973	3.698
100.000	14.757	18.750	0.122	1.378	1174.972	3.652
100.200	14.627	18.636	0.122	1.378	1174.972	3.608
100.400	14.498	18.522	0.121	1.379	1174.971	3.563
100.600	14.369	18.409	0.120	1.380	1174.970	3.519
100.800	14.240	18.284	0.119	1.381	1174.969	3.466
101.000	14.111	18.147	0.118	1.382	1174.968	3.414
101.200	13.982	18.011	0.117	1.383	1174.967	3.362
101.400	13.853	17.875	0.117	1.383	1174.967	3.310
101.600	13.723	17.738	0.116	1.384	1174.966	3.259
101.800	13.594	17.602	0.115	1.385	1174.965	3.208
102.000	13.460	17.466	0.114	1.386	1174.964	3.158
102.200	13.322	17.329	0.113	1.387	1174.963	3.108
102.400	13.184	17.193	0.112	1.388	1174.962	3.059
102.600	13.038	17.056	0.111	1.389	1174.961	3.010
102.800	12.847	16.920	0.110	1.390	1174.960	2.961
103.000	12.656	16.784	0.109	1.391	1174.959	2.913
103.200	12.464	16.647	0.109	1.391	1174.959	2.865
103.400	12.273	16.511	0.108	1.392	1174.958	2.818
103.600	12.081	16.363	0.107	1.393	1174.957	2.763
103.800	11.890	16.204	0.106	1.394	1174.956	2.708
104.000	11.699	16.045	0.105	1.395	1174.955	2.655
104.200	11.507	15.886	0.103	1.397	1174.953	2.602
104.400	11.316	15.727	0.102	1.398	1174.952	2.549
104.600	11.125	15.568	0.101	1.399	1174.951	2.497
104.800	10.933	15.409	0.100	1.400	1174.950	2.446
105.000	10.742	15.250	0.099	1.401	1174.949	2.395
105.200	10.551	15.079	0.098	1.402	1174.948	2.337
105.400	10.359	14.897	0.097	1.403	1174.947	2.280
105.600	10.168	14.716	0.096	1.404	1174.946	2.224
105.800	9.976	14.534	0.095	1.405	1174.945	2.169
106.000	9.785	14.352	0.093	1.407	1174.943	2.114
106.200	9.594	14.170	0.092	1.408	1174.942	2.060
106.400	9.402	13.988	0.091	1.409	1174.941	2.007
106.600	9.211	13.807	0.090	1.410	1174.940	1.954
106.800	9.020	13.625	0.089	1.411	1174.939	1.899
107.000	8.828	13.420	0.087	1.413	1174.937	1.842
107.200	8.637	13.216	0.086	1.414	1174.936	1.785
107.400	8.446	13.011	0.085	1.416	1174.935	1.729
107.600	8.254	12.807	0.083	1.417	1174.933	1.674
107.800	8.063	12.602	0.082	1.418	1174.932	1.621
108.000	7.871	12.397	0.080	1.420	1174.930	1.568
108.200	7.680	12.193	0.079	1.421	1174.929	1.515
108.400	7.489	11.988	0.078	1.422	1174.928	1.464
108.600	7.297	11.772	0.076	1.424	1174.926	1.408
108.800	7.106	11.545	0.075	1.425	1174.925	1.354
109.000	6.915	11.318	0.073	1.427	1174.923	1.300
109.200	6.723	11.091	0.072	1.428	1174.922	1.247
109.400	6.532	10.863	0.070	1.430	1174.920	1.196
109.600	6.341	10.636	0.069	1.431	1174.919	1.145
109.800	6.149	10.409	0.067	1.433	1174.917	1.096
110.000	5.958	10.182	0.066	1.434	1174.916	1.046
110.200	5.766	9.932	0.064	1.436	1174.914	0.994
110.400	5.575	9.682	0.063	1.437	1174.913	0.944
110.600	5.384	9.432	0.061	1.439	1174.911	0.895
110.800	5.192	9.182	0.059	1.441	1174.909	0.847
111.000	5.001	8.932	0.058	1.442	1174.908	0.801
111.200	4.810	8.682	0.056	1.444	1174.906	0.756
111.400	4.618	8.432	0.054	1.446	1174.904	0.710
111.600	4.427	8.159	0.053	1.448	1174.903	0.664
111.800	4.236	7.886	0.051	1.449	1174.901	0.620

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
112.000	4.044	7.613	0.049	1.451	1174.899	0.577
112.200	3.853	7.341	0.047	1.453	1174.897	0.535
112.400	3.661	7.068	0.045	1.455	1174.895	0.496
112.600	3.470	6.795	0.044	1.456	1174.894	0.457
112.800	3.285	6.523	0.042	1.458	1174.892	0.421
113.000	3.106	6.250	0.040	1.460	1174.890	0.385
113.200	2.928	5.977	0.038	1.462	1174.888	0.352
113.400	2.749	5.704	0.036	1.464	1174.886	0.320
113.600	2.571	5.432	0.035	1.465	1174.885	0.289
113.800	2.405	5.159	0.033	1.467	1174.883	0.260
114.000	2.239	4.886	0.031	1.469	1174.881	0.233
114.200	2.073	4.614	0.029	1.471	1174.879	0.207
114.400	1.914	4.341	0.028	1.473	1174.878	0.182
114.600	1.761	4.068	0.026	1.474	1174.876	0.159
114.800	1.607	3.795	0.024	1.476	1174.874	0.138
115.000	1.467	3.523	0.022	1.478	1174.872	0.118
115.200	1.327	3.250	0.020	1.480	1174.870	0.100
115.400	1.199	2.977	0.019	1.481	1174.869	0.083
115.600	1.072	2.704	0.017	1.483	1174.867	0.068
115.800	0.957	2.454	0.015	1.485	1174.865	0.056
116.000	0.842	2.205	0.014	1.486	1174.864	0.044
116.200	0.740	1.966	0.012	1.488	1174.862	0.035
116.400	0.644	1.739	0.011	1.489	1174.861	0.027
116.600	0.555	1.523	0.009	1.491	1174.859	0.021
116.800	0.478	1.318	0.008	1.492	1174.858	0.015
117.000	0.408	1.136	0.007	1.493	1174.857	0.011
117.200	0.344	0.966	0.006	1.494	1174.856	0.008
117.400	0.287	0.807	0.005	1.495	1174.855	0.006
117.600	0.236	0.670	0.004	1.496	1174.854	0.004
117.800	0.198	0.545	0.003	1.497	1174.853	0.002
118.000	0.159	0.443	0.003	1.497	1174.853	0.002
118.200	0.134	0.352	0.002	1.498	1174.852	0.001
118.400	0.108	0.284	0.002	1.498	1174.852	0.001
118.600	0.083	0.227	0.001	1.499	1174.851	0.000
118.800	0.070	0.182	0.001	1.499	1174.851	0.000
119.000	0.057	0.136	0.001	1.499	1174.851	0.000
119.200	0.045	0.114	0.001	1.499	1174.851	0.000
119.400	0.032	0.091	0.000	1.500	1174.850	0.000
119.600	0.026	0.000	0.000	1.500	1174.850	0.000
119.800	0.026	0.000	0.000	1.500	1174.850	0.000
120.000	0.026	0.000	0.000	1.500	1174.850	0.000





ARQUITETURA + URBANISMO
CLN. 207, BL. B, SL. 200 - CEP. 70.743-900
BRASILIA - DF - FONE: 011 3014 3707

CANAL: PO-11A

DATA: 18.12.2019

IMPULT DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	279.094	COTA DE FUNDO JUSANTE (m)	1173.200		
VAZÃO DE SAÍDA MAX. (l/s)	24.00	112.582	COTA VERTEDOIRO (m)	1171.700		
PROFUNDIDADE MAX. (m)	24.00	1.039	COTA DO ORIFÍCIO (m)	1172.700		
FREEBOARD MIN. (m)	24.00	0.461	VERTEDOIRO DE CONTROLE (cm)	-		
NA MAX. (m)	24.00	1,172.739	VERTEDOIRO DE DESCARGA (cm)	400.00		
VOLUME MAX (m ³)	24.00	177.64	DRENO DE FUNDO 3X ø (mm)	150.00		
VOLUME TOTAL (m ³)		317.02	COEF. DE DESCARGA DO VERTEDOIRO	1.660		
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO	0.130		
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1171.700	0.000
0.200	3.721	0.102	0.005	1.495	1171.705	0.003
0.400	7.443	0.785	0.015	1.485	1171.715	0.030
0.600	11.164	1.741	0.026	1.474	1171.726	0.098
0.800	14.885	2.775	0.039	1.461	1171.739	0.210
1.000	18.606	3.840	0.051	1.449	1171.751	0.370
1.200	22.328	4.918	0.063	1.437	1171.763	0.574
1.400	26.049	5.894	0.074	1.426	1171.774	0.809
1.600	29.770	6.813	0.085	1.415	1171.785	1.077
1.800	33.491	7.699	0.095	1.405	1171.795	1.377
2.000	37.213	8.560	0.105	1.395	1171.805	1.710
2.200	40.934	9.415	0.115	1.385	1171.815	2.079
2.400	44.655	10.257	0.125	1.375	1171.825	2.481
2.600	48.376	11.086	0.134	1.366	1171.834	2.917
2.800	52.098	11.916	0.144	1.356	1171.844	3.390
3.000	55.819	12.745	0.153	1.347	1171.853	3.897
3.200	59.540	13.424	0.163	1.337	1171.863	4.436
3.400	63.261	14.014	0.173	1.327	1171.873	5.013
3.600	66.982	14.604	0.182	1.318	1171.882	5.627
3.800	70.704	15.195	0.192	1.308	1171.892	6.278
4.000	74.425	15.785	0.201	1.299	1171.901	6.967
4.200	78.146	16.375	0.211	1.289	1171.911	7.693
4.400	81.867	16.966	0.220	1.280	1171.920	8.457
4.600	85.589	17.556	0.230	1.270	1171.930	9.260
4.800	89.310	18.147	0.239	1.261	1171.939	10.102
5.000	93.031	18.737	0.249	1.251	1171.949	10.981
5.200	96.752	19.327	0.258	1.242	1171.958	11.899
5.400	100.474	19.918	0.268	1.232	1171.968	12.857
5.600	104.195	20.508	0.277	1.223	1171.977	13.854
5.800	107.916	21.099	0.287	1.213	1171.987	14.891
6.000	111.637	21.689	0.296	1.204	1171.996	15.967
6.200	115.359	22.275	0.306	1.194	1172.006	17.065
6.400	119.080	22.749	0.315	1.185	1172.015	18.202
6.600	122.801	23.150	0.324	1.176	1172.024	19.379
6.800	126.522	23.551	0.334	1.166	1172.034	20.595
7.000	130.244	23.952	0.343	1.157	1172.043	21.850
7.200	133.965	24.353	0.353	1.147	1172.053	23.144
7.400	137.686	24.754	0.362	1.138	1172.062	24.479
7.600	141.407	25.155	0.371	1.129	1172.071	25.854
7.800	145.129	25.557	0.381	1.119	1172.081	27.270
8.000	148.850	25.958	0.390	1.110	1172.090	28.726
8.200	152.571	26.359	0.399	1.101	1172.099	30.222
8.400	156.292	26.760	0.409	1.091	1172.109	31.759
8.600	160.014	27.161	0.418	1.082	1172.118	33.338
8.800	163.735	27.562	0.428	1.072	1172.128	34.958
9.000	167.456	27.963	0.437	1.063	1172.137	36.619
9.200	171.177	28.364	0.446	1.054	1172.146	38.322
9.400	174.899	28.766	0.456	1.044	1172.156	40.066
9.600	178.620	29.141	0.465	1.035	1172.165	41.844
9.800	182.341	29.467	0.474	1.026	1172.174	43.658
10.000	186.062	29.794	0.484	1.016	1172.184	45.521
10.200	189.784	30.125	0.493	1.007	1172.193	47.434
10.400	193.505	30.457	0.503	0.997	1172.203	49.381
10.600	197.226	30.788	0.513	0.987	1172.213	51.362
10.800	200.947	31.125	0.522	0.978	1172.222	53.384
11.000	204.669	31.467	0.532	0.968	1172.232	55.450
11.200	208.390	31.814	0.542	0.958	1172.242	57.544
11.400	212.111	32.163	0.552	0.948	1172.252	59.681
11.600	215.832	32.518	0.563	0.937	1172.263	61.863
11.800	219.554	32.878	0.573	0.927	1172.273	64.090
12.000	223.275	33.240	0.584	0.917	1172.284	66.346
12.200	226.996	33.608	0.594	0.906	1172.294	68.649
12.400	230.717	33.981	0.605	0.895	1172.305	70.998
12.600	234.439	34.356	0.616	0.884	1172.316	73.378
12.800	238.160	34.685	0.627	0.873	1172.327	75.806
13.000	241.881	35.016	0.638	0.862	1172.338	78.265
13.200	245.602	35.352	0.649	0.851	1172.349	80.773

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	249.324	35.693	0.660	0.840	1172.360	83.314
13.600	253.045	36.035	0.672	0.828	1172.372	85.905
13.800	256.766	36.380	0.683	0.817	1172.383	88.529
14.000	260.487	36.730	0.695	0.805	1172.395	91.187
14.200	264.209	37.081	0.707	0.793	1172.407	93.896
14.400	267.930	37.435	0.719	0.781	1172.419	96.640
14.600	271.651	37.794	0.731	0.769	1172.431	99.419
14.800	275.372	38.154	0.743	0.757	1172.443	102.251
15.000	279.094	38.517	0.755	0.745	1172.455	105.119
15.200	275.373	38.882	0.767	0.733	1172.467	107.970
15.400	271.652	39.207	0.779	0.721	1172.479	110.803
15.600	267.930	39.521	0.790	0.710	1172.490	113.582
15.800	264.209	39.827	0.801	0.699	1172.501	116.306
16.000	260.488	40.126	0.812	0.688	1172.512	118.972
16.200	256.767	40.416	0.823	0.677	1172.523	121.581
16.400	253.045	40.701	0.833	0.667	1172.533	124.167
16.600	249.324	40.979	0.844	0.656	1172.544	126.694
16.800	245.603	41.249	0.853	0.647	1172.553	129.159
17.000	241.882	41.513	0.863	0.637	1172.563	131.599
17.200	238.160	41.772	0.873	0.627	1172.573	133.976
17.400	234.439	42.022	0.882	0.618	1172.582	136.308
17.600	230.718	42.268	0.891	0.609	1172.591	138.594
17.800	226.997	42.507	0.900	0.600	1172.600	140.834
18.000	223.275	42.741	0.908	0.592	1172.608	143.025
18.200	219.554	42.967	0.917	0.583	1172.617	145.169
18.400	215.833	43.178	0.925	0.575	1172.625	147.264
18.600	212.112	43.377	0.933	0.567	1172.633	149.309
18.800	208.390	43.572	0.940	0.560	1172.640	151.304
19.000	204.669	43.762	0.948	0.552	1172.648	153.267
19.200	200.948	43.946	0.955	0.545	1172.655	155.179
19.400	197.227	44.127	0.962	0.538	1172.662	157.039
19.600	193.505	44.302	0.969	0.531	1172.669	158.866
19.800	189.784	44.471	0.976	0.524	1172.676	160.640
20.000	186.063	44.637	0.982	0.518	1172.682	162.360
20.200	182.342	44.797	0.989	0.511	1172.689	164.046
20.400	178.620	44.951	0.995	0.505	1172.695	165.677
20.600	174.899	45.102	1.001	0.499	1172.701	167.253
20.800	171.178	50.974	1.006	0.494	1172.706	168.733
21.000	167.457	60.015	1.011	0.489	1172.711	170.057
21.200	163.735	68.152	1.015	0.485	1172.715	171.263
21.400	160.014	75.384	1.019	0.481	1172.719	172.310
21.600	156.293	81.713	1.023	0.477	1172.723	173.238
21.800	152.572	87.267	1.026	0.474	1172.726	174.066
22.000	148.850	92.175	1.028	0.472	1172.728	174.774
22.200	145.129	96.437	1.031	0.469	1172.731	175.402
22.400	141.408	100.183	1.033	0.467	1172.733	175.929
22.600	137.687	103.153	1.034	0.466	1172.734	176.356
22.800	133.965	105.736	1.036	0.464	1172.736	176.741
23.000	130.244	107.932	1.037	0.463	1172.737	177.046
23.200	126.523	109.611	1.038	0.463	1172.738	177.270
23.400	122.802	110.903	1.038	0.462	1172.738	177.453
23.600	119.080	111.807	1.039	0.461	1172.739	177.554
23.800	115.359	112.323	1.039	0.461	1172.739	177.615
24.000	111.638	112.582	1.039	0.461	1172.739	177.636
24.200	107.917	112.452	1.039	0.461	1172.739	177.595
24.400	104.195	112.065	1.038	0.462	1172.738	177.514
24.600	100.474	111.419	1.038	0.462	1172.738	177.392
24.800	96.753	110.644	1.037	0.463	1172.737	177.249
25.000	93.032	109.611	1.037	0.463	1172.737	177.066
25.200	89.310	108.319	1.036	0.464	1172.736	176.863
25.400	85.589	106.899	1.035	0.465	1172.735	176.619
25.600	81.868	105.349	1.034	0.466	1172.734	176.356
25.800	78.147	103.541	1.033	0.467	1172.733	176.071
26.000	74.425	101.603	1.032	0.468	1172.732	175.747
26.200	70.704	99.537	1.031	0.469	1172.731	175.423
26.400	66.983	97.341	1.029	0.471	1172.729	175.058
26.600	63.262	95.016	1.028	0.472	1172.728	174.693
26.800	59.540	92.691	1.027	0.473	1172.727	174.309
27.000	55.819	90.108	1.025	0.475	1172.725	173.905
27.200	52.098	87.525	1.024	0.476	1172.724	173.501
27.400	48.377	84.942	1.022	0.478	1172.722	173.076
27.600	44.655	82.101	1.020	0.480	1172.720	172.633
27.800	40.934	79.259	1.019	0.481	1172.719	172.189
28.000	37.213	76.418	1.017	0.483	1172.717	171.746
28.200	33.492	73.447	1.015	0.485	1172.715	171.263
28.400	29.770	70.347	1.014	0.486	1172.714	170.780
28.600	26.049	67.247	1.012	0.488	1172.712	170.298
28.800	22.328	64.148	1.010	0.490	1172.710	169.816
29.000	18.607	61.048	1.008	0.492	1172.708	169.335
29.200	14.885	57.819	1.006	0.494	1172.706	168.814
29.400	11.164	54.461	1.004	0.496	1172.704	168.293
29.600	7.443	51.103	1.002	0.498	1172.702	167.773
29.800	3.722	47.745	1.001	0.499	1172.701	167.253

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	0.000	45.150	0.999	0.501	1172.699	166.734
30.200	0.000	45.100	0.996	0.504	1172.696	166.175
30.400	0.000	45.048	0.994	0.506	1172.694	165.617
30.600	0.000	44.996	0.992	0.508	1172.692	165.060
30.800	0.000	44.944	0.990	0.510	1172.690	164.503
31.000	0.000	44.892	0.988	0.512	1172.688	163.947
31.200	0.000	44.840	0.986	0.514	1172.686	163.391
31.400	0.000	44.788	0.984	0.516	1172.684	162.836
31.600	0.000	44.735	0.982	0.518	1172.682	162.281
31.800	0.000	44.683	0.980	0.520	1172.680	161.727
32.000	0.000	44.631	0.978	0.522	1172.678	161.173
32.200	0.000	44.579	0.976	0.524	1172.676	160.620
32.400	0.000	44.527	0.974	0.526	1172.674	160.068
32.600	0.000	44.475	0.971	0.529	1172.671	159.516
32.800	0.000	44.423	0.969	0.531	1172.669	158.964
33.000	0.000	44.371	0.967	0.533	1172.667	158.414
33.200	0.000	44.319	0.965	0.535	1172.665	157.863
33.400	0.000	44.266	0.963	0.537	1172.663	157.314
33.600	0.000	44.214	0.961	0.539	1172.661	156.765
33.800	0.000	44.162	0.959	0.541	1172.659	156.216
34.000	0.000	44.110	0.957	0.543	1172.657	155.668
34.200	0.000	44.058	0.955	0.545	1172.655	155.120
34.400	0.000	44.006	0.953	0.547	1172.653	154.574
34.600	0.000	43.954	0.951	0.549	1172.651	154.027
34.800	0.000	43.902	0.949	0.551	1172.649	153.481
35.000	0.000	43.849	0.946	0.554	1172.646	152.936
35.200	0.000	43.797	0.944	0.556	1172.644	152.391
35.400	0.000	43.745	0.942	0.558	1172.642	151.847
35.600	0.000	43.693	0.940	0.560	1172.640	151.304
35.800	0.000	43.641	0.938	0.562	1172.638	150.761
36.000	0.000	43.589	0.936	0.564	1172.636	150.238
36.200	0.000	43.541	0.934	0.566	1172.634	149.734
36.400	0.000	43.492	0.932	0.568	1172.632	149.232
36.600	0.000	43.444	0.930	0.570	1172.630	148.729
36.800	0.000	43.395	0.928	0.572	1172.628	148.227
37.000	0.000	43.347	0.926	0.574	1172.626	147.726
37.200	0.000	43.299	0.925	0.575	1172.625	147.225
37.400	0.000	43.250	0.923	0.577	1172.623	146.725
37.600	0.000	43.202	0.921	0.579	1172.621	146.225
37.800	0.000	43.153	0.919	0.581	1172.619	145.726
38.000	0.000	43.105	0.917	0.583	1172.617	145.227
38.200	0.000	43.057	0.915	0.585	1172.615	144.728
38.400	0.000	43.007	0.913	0.587	1172.613	144.230
38.600	0.000	42.955	0.911	0.589	1172.611	143.733
38.800	0.000	42.903	0.909	0.591	1172.609	143.236
39.000	0.000	42.851	0.907	0.593	1172.607	142.739
39.200	0.000	42.799	0.905	0.595	1172.605	142.243
39.400	0.000	42.747	0.903	0.597	1172.603	141.747
39.600	0.000	42.695	0.901	0.599	1172.601	141.252
39.800	0.000	42.643	0.899	0.601	1172.599	140.758
40.000	0.000	42.591	0.897	0.603	1172.597	140.263
40.200	0.000	42.539	0.896	0.604	1172.596	139.770
40.400	0.000	42.487	0.894	0.606	1172.594	139.276
40.600	0.000	42.435	0.892	0.608	1172.592	138.784
40.800	0.000	42.383	0.890	0.610	1172.590	138.291
41.000	0.000	42.330	0.888	0.612	1172.588	137.800
41.200	0.000	42.278	0.886	0.614	1172.586	137.308
41.400	0.000	42.226	0.884	0.616	1172.584	136.817
41.600	0.000	42.174	0.882	0.618	1172.582	136.327
41.800	0.000	42.122	0.880	0.620	1172.580	135.837
42.000	0.000	42.070	0.878	0.622	1172.578	135.348
42.200	0.000	42.018	0.876	0.624	1172.576	134.859
42.400	0.000	41.966	0.874	0.626	1172.574	134.370
42.600	0.000	41.914	0.872	0.628	1172.572	133.882
42.800	0.000	41.862	0.870	0.630	1172.570	133.395
43.000	0.000	41.810	0.868	0.632	1172.568	132.908
43.200	0.000	41.758	0.866	0.634	1172.566	132.421
43.400	0.000	41.706	0.865	0.635	1172.565	131.935
43.600	0.000	41.654	0.863	0.637	1172.563	131.450
43.800	0.000	41.602	0.861	0.639	1172.561	130.965
44.000	0.000	41.550	0.859	0.641	1172.559	130.480
44.200	0.000	41.497	0.857	0.643	1172.557	129.996
44.400	0.000	41.445	0.855	0.645	1172.555	129.512
44.600	0.000	41.393	0.853	0.647	1172.553	129.029
44.800	0.000	41.341	0.851	0.649	1172.551	128.546
45.000	0.000	41.289	0.849	0.651	1172.549	128.064
45.200	0.000	41.237	0.847	0.653	1172.547	127.582
45.400	0.000	41.185	0.845	0.655	1172.545	127.101
45.600	0.000	41.133	0.843	0.657	1172.543	126.620
45.800	0.000	41.081	0.841	0.659	1172.541	126.139
46.000	0.000	41.029	0.839	0.661	1172.539	125.660
46.200	0.000	40.977	0.837	0.663	1172.537	125.180
46.400	0.000	40.925	0.836	0.664	1172.536	124.701

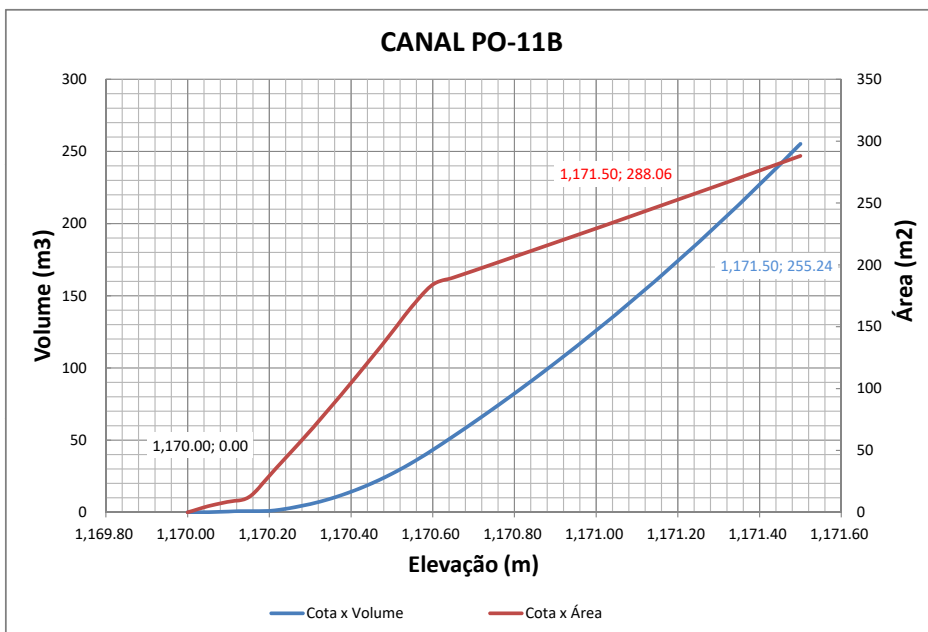
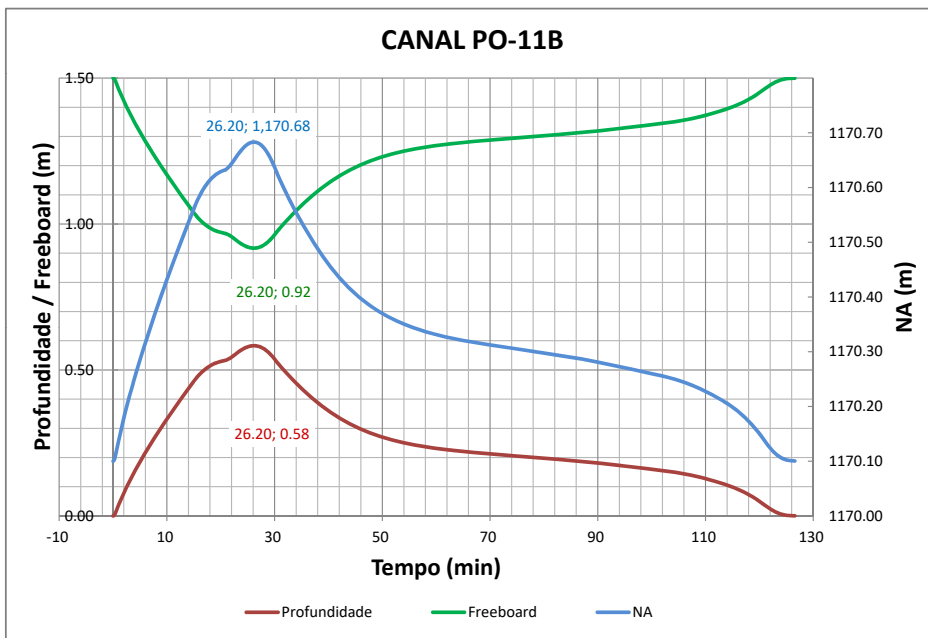
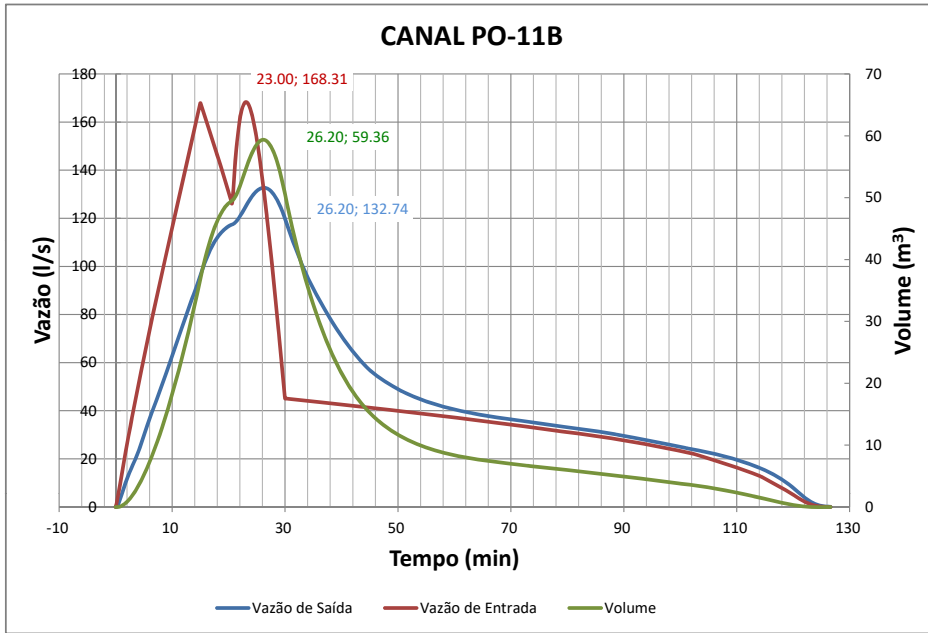
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
46.600	0.000	40.873	0.834	0.666	1172.534	124.223
46.800	0.000	40.821	0.832	0.668	1172.532	123.745
47.000	0.000	40.769	0.830	0.670	1172.530	123.267
47.200	0.000	40.717	0.828	0.672	1172.528	122.790
47.400	0.000	40.664	0.826	0.674	1172.526	122.313
47.600	0.000	40.612	0.824	0.676	1172.524	121.837
47.800	0.000	40.560	0.822	0.678	1172.522	121.362
48.000	0.000	40.508	0.820	0.680	1172.520	120.887
48.200	0.000	40.456	0.818	0.682	1172.518	120.412
48.400	0.000	40.404	0.816	0.684	1172.516	119.938
48.600	0.000	40.352	0.814	0.686	1172.514	119.464
48.800	0.000	40.300	0.812	0.688	1172.512	118.991
49.000	0.000	40.248	0.810	0.690	1172.510	118.518
49.200	0.000	40.196	0.808	0.692	1172.508	118.046
49.400	0.000	40.144	0.807	0.693	1172.507	117.574
49.600	0.000	40.092	0.805	0.695	1172.505	117.102
49.800	0.000	40.040	0.803	0.697	1172.503	116.631
50.000	0.000	39.988	0.801	0.699	1172.501	116.161
50.200	0.000	39.936	0.799	0.701	1172.499	115.691
50.400	0.000	39.884	0.797	0.703	1172.497	115.222
50.600	0.000	39.831	0.795	0.705	1172.495	114.753
50.800	0.000	39.779	0.793	0.707	1172.493	114.284
51.000	0.000	39.727	0.791	0.709	1172.491	113.816
51.200	0.000	39.675	0.789	0.711	1172.489	113.348
51.400	0.000	39.623	0.787	0.713	1172.487	112.881
51.600	0.000	39.571	0.785	0.715	1172.485	112.415
51.800	0.000	39.519	0.783	0.717	1172.483	111.948
52.000	0.000	39.467	0.781	0.719	1172.481	111.483
52.200	0.000	39.415	0.779	0.721	1172.479	111.018
52.400	0.000	39.363	0.777	0.723	1172.477	110.553
52.600	0.000	39.311	0.776	0.724	1172.476	110.089
52.800	0.000	39.259	0.774	0.726	1172.474	109.625
53.000	0.000	39.207	0.772	0.728	1172.472	109.161
53.200	0.000	39.155	0.770	0.730	1172.470	108.699
53.400	0.000	39.103	0.768	0.732	1172.468	108.236
53.600	0.000	39.051	0.766	0.734	1172.466	107.774
53.800	0.000	38.998	0.764	0.736	1172.464	107.313
54.000	0.000	38.946	0.762	0.738	1172.462	106.852
54.200	0.000	38.891	0.760	0.740	1172.460	106.391
54.400	0.000	38.833	0.758	0.742	1172.458	105.931
54.600	0.000	38.775	0.756	0.744	1172.456	105.472
54.800	0.000	38.717	0.754	0.746	1172.454	105.013
55.000	0.000	38.658	0.752	0.748	1172.452	104.554
55.200	0.000	38.600	0.750	0.750	1172.450	104.096
55.400	0.000	38.542	0.748	0.752	1172.448	103.638
55.600	0.000	38.484	0.747	0.753	1172.447	103.181
55.800	0.000	38.425	0.745	0.755	1172.445	102.725
56.000	0.000	38.367	0.743	0.757	1172.443	102.268
56.200	0.000	38.309	0.741	0.759	1172.441	101.813
56.400	0.000	38.251	0.739	0.761	1172.439	101.357
56.600	0.000	38.192	0.737	0.763	1172.437	100.902
56.800	0.000	38.134	0.735	0.765	1172.435	100.448
57.000	0.000	38.076	0.733	0.767	1172.433	99.994
57.200	0.000	38.018	0.731	0.769	1172.431	99.541
57.400	0.000	37.959	0.729	0.771	1172.429	99.088
57.600	0.000	37.901	0.727	0.773	1172.427	98.635
57.800	0.000	37.843	0.725	0.775	1172.425	98.183
58.000	0.000	37.785	0.723	0.777	1172.423	97.732
58.200	0.000	37.727	0.721	0.779	1172.421	97.281
58.400	0.000	37.668	0.719	0.781	1172.419	96.830
58.600	0.000	37.610	0.718	0.782	1172.418	96.380
58.800	0.000	37.552	0.716	0.784	1172.416	95.931
59.000	0.000	37.494	0.714	0.786	1172.414	95.481
59.200	0.000	37.435	0.712	0.788	1172.412	95.033
59.400	0.000	37.377	0.710	0.790	1172.410	94.585
59.600	0.000	37.319	0.708	0.792	1172.408	94.137
59.800	0.000	37.261	0.706	0.794	1172.406	93.689
60.000	0.000	37.202	0.704	0.796	1172.404	93.243
60.200	0.000	37.144	0.702	0.798	1172.402	92.796
60.400	0.000	37.086	0.700	0.800	1172.400	92.351
60.600	0.000	37.028	0.698	0.802	1172.398	91.905
60.800	0.000	36.969	0.696	0.804	1172.396	91.460
61.000	0.000	36.911	0.694	0.806	1172.394	91.016
61.200	0.000	36.853	0.692	0.808	1172.392	90.572
61.400	0.000	36.795	0.690	0.810	1172.390	90.128
61.600	0.000	36.737	0.688	0.812	1172.388	89.685
61.800	0.000	36.678	0.687	0.813	1172.387	89.243
62.000	0.000	36.620	0.685	0.815	1172.385	88.801
62.200	0.000	36.562	0.683	0.817	1172.383	88.359
62.400	0.000	36.504	0.681	0.819	1172.381	87.918
62.600	0.000	36.445	0.679	0.821	1172.379	87.477
62.800	0.000	36.387	0.677	0.823	1172.377	87.037
63.000	0.000	36.329	0.675	0.825	1172.375	86.597

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
63.200	0.000	36.271	0.673	0.827	1172.373	86.158
63.400	0.000	36.212	0.671	0.829	1172.371	85.719
63.600	0.000	36.154	0.669	0.831	1172.369	85.281
63.800	0.000	36.096	0.667	0.833	1172.367	84.843
64.000	0.000	36.038	0.665	0.835	1172.365	84.405
64.200	0.000	35.979	0.663	0.837	1172.363	83.969
64.400	0.000	35.921	0.661	0.839	1172.361	83.532
64.600	0.000	35.863	0.659	0.841	1172.359	83.096
64.800	0.000	35.805	0.658	0.842	1172.358	82.661
65.000	0.000	35.746	0.656	0.844	1172.356	82.226
65.200	0.000	35.688	0.654	0.846	1172.354	81.791
65.400	0.000	35.630	0.652	0.848	1172.352	81.357
65.600	0.000	35.572	0.650	0.850	1172.350	80.923
65.800	0.000	35.514	0.648	0.852	1172.348	80.490
66.000	0.000	35.455	0.646	0.854	1172.346	80.057
66.200	0.000	35.397	0.644	0.856	1172.344	79.625
66.400	0.000	35.339	0.642	0.858	1172.342	79.193
66.600	0.000	35.281	0.640	0.860	1172.340	78.762
66.800	0.000	35.222	0.638	0.862	1172.338	78.331
67.000	0.000	35.164	0.636	0.864	1172.336	77.901
67.200	0.000	35.106	0.634	0.866	1172.334	77.471
67.400	0.000	35.048	0.632	0.868	1172.332	77.042
67.600	0.000	34.989	0.630	0.870	1172.330	76.613
67.800	0.000	34.931	0.629	0.871	1172.329	76.184
68.000	0.000	34.873	0.627	0.873	1172.327	75.756
68.200	0.000	34.815	0.625	0.875	1172.325	75.329
68.400	0.000	34.756	0.623	0.877	1172.323	74.902
68.600	0.000	34.698	0.621	0.879	1172.321	74.475
68.800	0.000	34.640	0.619	0.881	1172.319	74.049
69.000	0.000	34.582	0.617	0.883	1172.317	73.623
69.200	0.000	34.524	0.615	0.885	1172.315	73.198
69.400	0.000	34.465	0.613	0.887	1172.313	72.773
69.600	0.000	34.407	0.611	0.889	1172.311	72.349
69.800	0.000	34.349	0.609	0.891	1172.309	71.925
70.000	0.000	34.284	0.607	0.893	1172.307	71.502
70.200	0.000	34.217	0.605	0.895	1172.305	71.079
70.400	0.000	34.149	0.603	0.897	1172.303	70.657
70.600	0.000	34.082	0.601	0.899	1172.301	70.235
70.800	0.000	34.015	0.600	0.901	1172.300	69.813
71.000	0.000	33.947	0.598	0.902	1172.298	69.392
71.200	0.000	33.880	0.596	0.904	1172.296	68.972
71.400	0.000	33.813	0.594	0.906	1172.294	68.552
71.600	0.000	33.745	0.592	0.908	1172.292	68.132
71.800	0.000	33.678	0.590	0.910	1172.290	67.713
72.000	0.000	33.611	0.588	0.912	1172.288	67.294
72.200	0.000	33.543	0.586	0.914	1172.286	66.876
72.400	0.000	33.476	0.584	0.916	1172.284	66.459
72.600	0.000	33.411	0.582	0.918	1172.282	66.043
72.800	0.000	33.349	0.580	0.920	1172.280	65.629
73.000	0.000	33.287	0.579	0.921	1172.279	65.216
73.200	0.000	33.225	0.577	0.923	1172.277	64.804
73.400	0.000	33.163	0.575	0.925	1172.275	64.393
73.600	0.000	33.101	0.573	0.927	1172.273	63.984
73.800	0.000	33.038	0.572	0.928	1172.272	63.576
74.000	0.000	32.976	0.570	0.930	1172.270	63.169
74.200	0.000	32.914	0.568	0.932	1172.268	62.763
74.400	0.000	32.852	0.566	0.934	1172.266	62.358
74.600	0.000	32.790	0.564	0.936	1172.264	61.954
74.800	0.000	32.728	0.563	0.937	1172.263	61.551
75.000	0.000	32.665	0.561	0.939	1172.261	61.149
75.200	0.000	32.603	0.559	0.941	1172.259	60.748
75.400	0.000	32.541	0.557	0.943	1172.257	60.348
75.600	0.000	32.479	0.555	0.945	1172.255	59.949
75.800	0.000	32.417	0.554	0.946	1172.254	59.551
76.000	0.000	32.355	0.552	0.948	1172.252	59.154
76.200	0.000	32.293	0.550	0.950	1172.250	58.758
76.400	0.000	32.230	0.548	0.952	1172.248	58.363
76.600	0.000	32.168	0.547	0.953	1172.247	57.969
76.800	0.000	32.106	0.545	0.955	1172.245	57.576
77.000	0.000	32.044	0.543	0.957	1172.243	57.184
77.200	0.000	31.982	0.541	0.959	1172.241	56.793
77.400	0.000	31.920	0.539	0.961	1172.239	56.403
77.600	0.000	31.858	0.538	0.962	1172.238	56.014
77.800	0.000	31.795	0.536	0.964	1172.236	55.626
78.000	0.000	31.733	0.534	0.966	1172.234	55.239
78.200	0.000	31.671	0.532	0.968	1172.232	54.853
78.400	0.000	31.609	0.530	0.970	1172.230	54.468
78.600	0.000	31.547	0.529	0.971	1172.229	54.084
78.800	0.000	31.485	0.527	0.973	1172.227	53.701
79.000	0.000	31.423	0.525	0.975	1172.225	53.319

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
79.200	0.000	31.360	0.523	0.977	1172.223	53.586
79.400	0.000	31.298	0.522	0.978	1172.222	53.214
79.600	0.000	31.236	0.520	0.980	1172.220	52.843
79.800	0.000	31.174	0.518	0.982	1172.218	52.472
80.000	0.000	31.112	0.516	0.984	1172.216	52.101
80.200	0.000	31.050	0.514	0.986	1172.214	51.731
80.400	0.000	30.987	0.513	0.987	1172.213	51.362
80.600	0.000	30.925	0.511	0.989	1172.211	50.992
80.800	0.000	30.863	0.509	0.991	1172.209	50.624
81.000	0.000	30.801	0.507	0.993	1172.207	50.255
81.200	0.000	30.739	0.505	0.995	1172.205	49.887
81.400	0.000	30.677	0.504	0.996	1172.204	49.519
81.600	0.000	30.615	0.502	0.998	1172.202	49.152
81.800	0.000	30.552	0.500	1.000	1172.200	48.785
82.000	0.000	30.490	0.498	1.002	1172.198	48.419
82.200	0.000	30.428	0.497	1.003	1172.197	48.054
82.400	0.000	30.366	0.495	1.005	1172.195	47.690
82.600	0.000	30.304	0.493	1.007	1172.193	47.328
82.800	0.000	30.242	0.491	1.009	1172.191	46.967
83.000	0.000	30.180	0.489	1.011	1172.189	46.607
83.200	0.000	30.117	0.488	1.012	1172.188	46.249
83.400	0.000	30.055	0.486	1.014	1172.186	45.891
83.600	0.000	29.993	0.484	1.016	1172.184	45.535
83.800	0.000	29.931	0.482	1.018	1172.182	45.181
84.000	0.000	29.869	0.480	1.020	1172.180	44.827
84.200	0.000	29.807	0.479	1.021	1172.179	44.475
84.400	0.000	29.745	0.477	1.023	1172.177	44.124
84.600	0.000	29.682	0.475	1.025	1172.175	43.774
84.800	0.000	29.620	0.473	1.027	1172.173	43.426
85.000	0.000	29.558	0.472	1.029	1172.172	43.078
85.200	0.000	29.496	0.470	1.030	1172.170	42.732
85.400	0.000	29.434	0.468	1.032	1172.168	42.388
85.600	0.000	29.372	0.466	1.034	1172.166	42.044
85.800	0.000	29.309	0.464	1.036	1172.164	41.702
86.000	0.000	29.247	0.463	1.037	1172.163	41.361
86.200	0.000	29.185	0.461	1.039	1172.161	41.021
86.400	0.000	29.123	0.459	1.041	1172.159	40.683
86.600	0.000	29.061	0.457	1.043	1172.157	40.346
86.800	0.000	28.992	0.455	1.045	1172.155	40.010
87.000	0.000	28.915	0.454	1.046	1172.154	39.675
87.200	0.000	28.839	0.452	1.048	1172.152	39.342
87.400	0.000	28.762	0.450	1.050	1172.150	39.010
87.600	0.000	28.686	0.448	1.052	1172.148	38.679
87.800	0.000	28.606	0.446	1.054	1172.146	38.322
88.000	0.000	28.524	0.444	1.056	1172.144	37.968
88.200	0.000	28.441	0.442	1.058	1172.142	37.615
88.400	0.000	28.358	0.441	1.059	1172.141	37.263
88.600	0.000	28.275	0.439	1.061	1172.139	36.914
88.800	0.000	28.193	0.437	1.063	1172.137	36.566
89.000	0.000	28.110	0.435	1.065	1172.135	36.220
89.200	0.000	28.027	0.433	1.067	1172.133	35.876
89.400	0.000	27.944	0.431	1.069	1172.131	35.533
89.600	0.000	27.861	0.429	1.071	1172.129	35.193
89.800	0.000	27.779	0.427	1.073	1172.127	34.854
90.000	0.000	27.696	0.425	1.075	1172.125	34.516
90.200	0.000	27.613	0.423	1.077	1172.123	34.181
90.400	0.000	27.530	0.421	1.079	1172.121	33.847
90.600	0.000	27.448	0.419	1.081	1172.119	33.516
90.800	0.000	27.365	0.417	1.083	1172.117	33.185
91.000	0.000	27.282	0.415	1.085	1172.115	32.857
91.200	0.000	27.199	0.413	1.087	1172.113	32.531
91.400	0.000	27.116	0.412	1.088	1172.112	32.206
91.600	0.000	27.034	0.410	1.090	1172.110	31.883
91.800	0.000	26.951	0.408	1.092	1172.108	31.561
92.000	0.000	26.868	0.406	1.094	1172.106	31.242
92.200	0.000	26.785	0.404	1.096	1172.104	30.924
92.400	0.000	26.703	0.402	1.098	1172.102	30.608
92.600	0.000	26.620	0.400	1.100	1172.100	30.294
92.800	0.000	26.537	0.398	1.102	1172.098	29.982
93.000	0.000	26.454	0.396	1.104	1172.096	29.671
93.200	0.000	26.372	0.394	1.106	1172.094	29.362
93.400	0.000	26.289	0.392	1.108	1172.092	29.055
93.600	0.000	26.206	0.390	1.110	1172.090	28.749
93.800	0.000	26.123	0.388	1.112	1172.088	28.445
94.000	0.000	26.040	0.386	1.114	1172.086	28.143
94.200	0.000	25.958	0.384	1.116	1172.084	27.843
94.400	0.000	25.875	0.382	1.118	1172.082	27.532
94.600	0.000	25.786	0.380	1.120	1172.080	27.213
94.800	0.000	25.697	0.378	1.122	1172.078	26.895
95.000	0.000	25.607	0.376	1.124	1172.076	26.579
95.200	0.000	25.518	0.374	1.126	1172.074	26.266

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
95.400	0.000	25.429	0.372	1.128	1172.072	25.954
95.600	0.000	25.340	0.370	1.130	1172.070	25.644
95.800	0.000	25.251	0.368	1.132	1172.068	25.337
96.000	0.000	25.162	0.366	1.134	1172.066	25.031
96.200	0.000	25.073	0.364	1.136	1172.064	24.727
96.400	0.000	24.984	0.362	1.138	1172.062	24.425
96.600	0.000	24.894	0.360	1.140	1172.060	24.126
96.800	0.000	24.805	0.357	1.143	1172.057	23.828
97.000	0.000	24.716	0.355	1.145	1172.055	23.532
97.200	0.000	24.627	0.353	1.147	1172.053	23.238
97.400	0.000	24.538	0.351	1.149	1172.051	22.947
97.600	0.000	24.449	0.349	1.151	1172.049	22.657
97.800	0.000	24.360	0.347	1.153	1172.047	22.369
98.000	0.000	24.270	0.345	1.155	1172.045	22.083
98.200	0.000	24.181	0.343	1.157	1172.043	21.799
98.400	0.000	24.092	0.341	1.159	1172.041	21.517
98.600	0.000	24.003	0.339	1.161	1172.039	21.237
98.800	0.000	23.914	0.337	1.163	1172.037	20.959
99.000	0.000	23.825	0.335	1.165	1172.035	20.683
99.200	0.000	23.732	0.332	1.168	1172.032	20.389
99.400	0.000	23.637	0.330	1.170	1172.030	20.098
99.600	0.000	23.541	0.328	1.172	1172.028	19.809
99.800	0.000	23.446	0.326	1.174	1172.026	19.522
100.000	0.000	23.350	0.323	1.177	1172.023	19.237
100.200	0.000	23.255	0.321	1.179	1172.021	18.954
100.400	0.000	23.159	0.319	1.181	1172.019	18.674
100.600	0.000	23.064	0.317	1.183	1172.017	18.396
100.800	0.000	22.968	0.314	1.186	1172.014	18.120
101.000	0.000	22.873	0.312	1.188	1172.012	17.846
101.200	0.000	22.777	0.310	1.190	1172.010	17.575
101.400	0.000	22.682	0.308	1.192	1172.008	17.306
101.600	0.000	22.586	0.305	1.195	1172.005	17.039
101.800	0.000	22.482	0.303	1.197	1172.003	16.774
102.000	0.000	22.344	0.301	1.199	1172.001	16.511
102.200	0.000	22.205	0.299	1.201	1171.999	16.251
102.400	0.000	22.067	0.297	1.203	1171.997	15.993
102.600	0.000	21.929	0.294	1.206	1171.994	15.737
102.800	0.000	21.790	0.292	1.208	1171.992	15.483
103.000	0.000	21.652	0.290	1.210	1171.990	15.231
103.200	0.000	21.509	0.287	1.213	1171.987	14.965
103.400	0.000	21.361	0.285	1.215	1171.985	14.702
103.600	0.000	21.214	0.283	1.217	1171.983	14.441
103.800	0.000	21.066	0.280	1.220	1171.980	14.182
104.000	0.000	20.919	0.278	1.222	1171.978	13.926
104.200	0.000	20.771	0.276	1.224	1171.976	13.672
104.400	0.000	20.623	0.273	1.227	1171.973	13.421
104.600	0.000	20.476	0.271	1.229	1171.971	13.172
104.800	0.000	20.328	0.268	1.232	1171.968	12.926
105.000	0.000	20.181	0.266	1.234	1171.966	12.682
105.200	0.000	20.033	0.264	1.236	1171.964	12.441
105.400	0.000	19.885	0.261	1.239	1171.961	12.202
105.600	0.000	19.738	0.259	1.241	1171.959	11.966
105.800	0.000	19.590	0.257	1.243	1171.957	11.732
106.000	0.000	19.443	0.254	1.246	1171.954	11.500
106.200	0.000	19.295	0.252	1.248	1171.952	11.271
106.400	0.000	19.147	0.249	1.251	1171.949	11.044
106.600	0.000	19.000	0.247	1.253	1171.947	10.820
106.800	0.000	18.852	0.245	1.255	1171.945	10.599
107.000	0.000	18.705	0.242	1.258	1171.942	10.379
107.200	0.000	18.557	0.240	1.260	1171.940	10.162
107.400	0.000	18.410	0.237	1.263	1171.937	9.948
107.600	0.000	18.262	0.235	1.265	1171.935	9.729
107.800	0.000	18.105	0.232	1.268	1171.932	9.506
108.000	0.000	17.948	0.230	1.270	1171.930	9.286
108.200	0.000	17.791	0.227	1.273	1171.927	9.069
108.400	0.000	17.635	0.225	1.275	1171.925	8.854
108.600	0.000	17.478	0.222	1.278	1171.922	8.642
108.800	0.000	17.321	0.220	1.280	1171.920	8.433
109.000	0.000	17.164	0.217	1.283	1171.917	8.226
109.200	0.000	17.007	0.215	1.285	1171.915	8.023
109.400	0.000	16.851	0.212	1.288	1171.912	7.822
109.600	0.000	16.694	0.210	1.290	1171.910	7.623
109.800	0.000	16.537	0.207	1.293	1171.907	7.427
110.000	0.000	16.380	0.205	1.295	1171.905	7.234
110.200	0.000	16.223	0.202	1.298	1171.902	7.044
110.400	0.000	16.066	0.200	1.300	1171.900	6.857
110.600	0.000	15.905	0.197	1.303	1171.897	6.661
110.800	0.000	15.739	0.194	1.306	1171.894	6.468
111.000	0.000	15.573	0.192	1.308	1171.892	6.278
111.200	0.000	15.407	0.189	1.311	1171.889	6.091
111.400	0.000	15.241	0.186	1.314	1171.886	5.907
111.600	0.000	15.075	0.184	1.316	1171.884	5.726
111.800	0.000	14.909	0.181	1.319	1171.881	5.548

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
112.000	0.000	14.743	0.178	1.322	1171.878	5.373
112.200	0.000	14.577	0.175	1.325	1171.875	5.201
112.400	0.000	14.411	0.173	1.327	1171.873	5.032
112.600	0.000	14.245	0.170	1.330	1171.870	4.861
112.800	0.000	14.069	0.167	1.333	1171.867	4.689
113.000	0.000	13.894	0.164	1.336	1171.864	4.520
113.200	0.000	13.719	0.162	1.338	1171.862	4.354
113.400	0.000	13.543	0.159	1.341	1171.859	4.191
113.600	0.000	13.368	0.156	1.344	1171.856	4.032
113.800	0.000	13.193	0.153	1.347	1171.853	3.876
114.000	0.000	13.000	0.150	1.350	1171.850	3.724
114.200	0.000	12.758	0.147	1.353	1171.847	3.574
114.400	0.000	12.509	0.144	1.356	1171.844	3.421
114.600	0.000	12.254	0.141	1.359	1171.841	3.270
114.800	0.000	11.999	0.139	1.362	1171.839	3.124
115.000	0.000	11.743	0.136	1.364	1171.836	2.980
115.200	0.000	11.488	0.133	1.367	1171.833	2.841
115.400	0.000	11.233	0.130	1.370	1171.830	2.704
115.600	0.000	10.978	0.127	1.373	1171.827	2.572
115.800	0.000	10.723	0.124	1.376	1171.824	2.443
116.000	0.000	10.468	0.121	1.379	1171.821	2.317
116.200	0.000	10.212	0.118	1.382	1171.818	2.195
116.400	0.000	9.957	0.115	1.385	1171.815	2.076
116.600	0.000	9.702	0.112	1.388	1171.812	1.961
116.800	0.000	9.447	0.109	1.391	1171.809	1.850
117.000	0.000	9.192	0.106	1.394	1171.806	1.742
117.200	0.000	8.937	0.103	1.397	1171.803	1.635
117.400	0.000	8.669	0.100	1.400	1171.800	1.529
117.600	0.000	8.401	0.096	1.404	1171.796	1.427
117.800	0.000	8.133	0.093	1.407	1171.793	1.329
118.000	0.000	7.865	0.090	1.410	1171.790	1.234
118.200	0.000	7.597	0.087	1.413	1171.787	1.143
118.400	0.000	7.329	0.084	1.416	1171.784	1.056
118.600	0.000	7.061	0.081	1.419	1171.781	0.973
118.800	0.000	6.793	0.078	1.422	1171.778	0.892
119.000	0.000	6.513	0.074	1.426	1171.774	0.813
119.200	0.000	6.232	0.071	1.429	1171.771	0.738
119.400	0.000	5.951	0.068	1.432	1171.768	0.667
119.600	0.000	5.671	0.065	1.435	1171.765	0.600
119.800	0.000	5.384	0.061	1.439	1171.761	0.535
120.000	0.000	5.090	0.058	1.442	1171.758	0.474
120.200	0.000	4.797	0.054	1.446	1171.754	0.416
120.400	0.000	4.491	0.051	1.449	1171.751	0.363
120.600	0.000	4.184	0.047	1.453	1171.747	0.313
120.800	0.000	3.878	0.043	1.457	1171.743	0.267
121.000	0.000	3.579	0.040	1.460	1171.740	0.227
121.200	0.000	3.285	0.037	1.463	1171.737	0.191
121.400	0.000	3.004	0.034	1.467	1171.734	0.159
121.600	0.000	2.737	0.030	1.470	1171.730	0.131
121.800	0.000	2.475	0.027	1.473	1171.727	0.106
122.000	0.000	2.226	0.025	1.475	1171.725	0.085
122.200	0.000	1.990	0.022	1.478	1171.722	0.068
122.400	0.000	1.767	0.019	1.481	1171.719	0.053
122.600	0.000	1.556	0.017	1.483	1171.717	0.041
122.800	0.000	1.359	0.015	1.485	1171.715	0.031
123.000	0.000	1.180	0.013	1.487	1171.713	0.023
123.200	0.000	1.021	0.011	1.489	1171.711	0.017
123.400	0.000	0.874	0.009	1.491	1171.709	0.012
123.600	0.000	0.740	0.008	1.492	1171.708	0.009
123.800	0.000	0.625	0.007	1.493	1171.707	0.006
124.000	0.000	0.523	0.006	1.494	1171.706	0.004
124.200	0.000	0.434	0.005	1.495	1171.705	0.003
124.400	0.000	0.357	0.004	1.496	1171.704	0.002
124.600	0.000	0.293	0.003	1.497	1171.703	0.001
124.800	0.000	0.242	0.003	1.497	1171.703	0.001
125.000	0.000	0.198	0.002	1.498	1171.702	0.001
125.200	0.000	0.159	0.002	1.498	1171.702	0.000
125.400	0.000	0.128	0.001	1.499	1171.701	0.000
125.600	0.000	0.102	0.001	1.499	1171.701	0.000
125.800	0.000	0.083	0.001	1.499	1171.701	0.000
126.000	0.000	0.070	0.001	1.499	1171.701	0.000
126.200	0.000	0.057	0.001	1.499	1171.701	0.000
126.400	0.000	0.045	0.000	1.500	1171.700	0.000
126.600	0.000	0.032	0.000	1.500	1171.700	0.000
126.800	0.000	0.026	0.000	1.500	1171.700	0.000
127.000	0.000	0.026	0.000	1.500	1171.700	0.000





ARQUITETURA + URBANISMO
 CLN. 207, BL. B, SL. 200 - CEP. 70.743-900
 BRASÍLIA - DF - FONE: 011 3014 3700

CANAL: PO-11B

DATA: 18.12.2019

IMP. DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	23.00	168.310	COTA DE FUNDO JUSANTE (m)			
VAZÃO DE SAÍDA MAX. (l/s)	26.20	132.738	COTA VERTEDOURO (m)			
PROFUNDIDADE MAX. (m)	26.20	0.583	COTA DO ORIFÍCIO (m)			
FREEBOARD MIN. (m)	26.20	0.917	VERTEDOURO DE CONTROLE (cm)			
NA MAX. (m)	26.20	1,170.683	VERTEDOURO DE DESCARGA (cm)			
VOLUME MAX. (m ³)	26.20	59.36	DRENO DE FUNDO 3X Ø (mm)			
VOLUME TOTAL (m ³)		255.24	COEF. DE DESCARGA DO VERTEDOURO			
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO			
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1170.100	0.000
0.200	1.827	0.000	0.002	1.498	1170.102	0.001
0.400	4.235	0.739	0.008	1.492	1170.108	0.008
0.600	6.917	1.864	0.016	1.484	1170.116	0.033
0.800	9.675	3.193	0.025	1.475	1170.125	0.080
1.000	12.466	4.625	0.035	1.465	1170.135	0.151
1.200	15.269	6.091	0.045	1.455	1170.145	0.246
1.400	17.970	7.591	0.055	1.445	1170.155	0.367
1.600	20.613	9.023	0.063	1.437	1170.163	0.503
1.800	23.225	10.318	0.072	1.428	1170.172	0.655
2.000	25.811	11.557	0.080	1.420	1170.180	0.823
2.200	28.391	12.750	0.087	1.413	1170.187	1.006
2.400	30.958	13.909	0.095	1.405	1170.195	1.206
2.600	33.513	15.045	0.102	1.398	1170.202	1.422
2.800	36.067	16.181	0.110	1.390	1170.210	1.656
3.000	38.621	17.295	0.117	1.383	1170.217	1.907
3.200	41.025	18.409	0.124	1.376	1170.224	2.174
3.400	43.341	19.500	0.131	1.369	1170.231	2.456
3.600	45.656	20.579	0.138	1.362	1170.238	2.751
3.800	47.971	21.647	0.145	1.355	1170.245	3.062
4.000	50.287	22.715	0.152	1.348	1170.252	3.388
4.200	52.602	23.969	0.159	1.341	1170.259	3.728
4.400	54.918	25.442	0.166	1.334	1170.266	4.077
4.600	57.233	26.900	0.172	1.328	1170.272	4.438
4.800	59.549	28.325	0.179	1.321	1170.279	4.811
5.000	61.864	29.734	0.185	1.315	1170.285	5.191
5.200	64.180	31.126	0.192	1.308	1170.292	5.586
5.400	66.495	32.503	0.198	1.302	1170.298	5.987
5.600	68.811	33.863	0.204	1.296	1170.304	6.402
5.800	71.126	35.224	0.210	1.290	1170.310	6.831
6.000	73.442	36.568	0.217	1.283	1170.317	7.265
6.200	75.753	37.896	0.223	1.277	1170.323	7.714
6.400	77.952	39.223	0.229	1.271	1170.329	8.176
6.600	80.078	40.551	0.235	1.265	1170.335	8.646
6.800	82.204	41.847	0.241	1.259	1170.341	9.125
7.000	84.330	43.142	0.247	1.253	1170.347	9.616
7.200	86.457	44.438	0.253	1.247	1170.353	10.122
7.400	88.583	45.717	0.258	1.242	1170.358	10.628
7.600	90.709	46.980	0.264	1.236	1170.364	11.147
7.800	92.835	48.244	0.270	1.230	1170.370	11.679
8.000	94.961	49.507	0.276	1.224	1170.376	12.224
8.200	97.088	50.770	0.282	1.218	1170.382	12.776
8.400	99.214	52.001	0.287	1.213	1170.387	13.333
8.600	101.340	53.231	0.293	1.207	1170.393	13.902
8.800	103.466	54.462	0.299	1.201	1170.399	14.484
9.000	105.592	55.693	0.304	1.196	1170.404	15.079
9.200	107.719	57.013	0.310	1.190	1170.410	15.686
9.400	109.845	58.469	0.315	1.185	1170.415	16.298
9.600	111.946	59.886	0.321	1.179	1170.421	16.915
9.800	113.997	61.304	0.326	1.174	1170.426	17.543
10.000	116.048	62.721	0.332	1.168	1170.432	18.184
10.200	118.105	64.139	0.337	1.163	1170.437	18.828
10.400	120.161	65.519	0.343	1.157	1170.443	19.474
10.600	122.218	66.898	0.348	1.152	1170.448	20.133
10.800	124.280	68.277	0.353	1.147	1170.453	20.803
11.000	126.347	69.657	0.359	1.141	1170.459	21.485
11.200	128.419	71.036	0.364	1.136	1170.464	22.169
11.400	130.493	72.377	0.369	1.131	1170.469	22.854
11.600	132.573	73.718	0.374	1.126	1170.474	23.551
11.800	134.658	75.059	0.380	1.120	1170.480	24.259
12.000	136.746	76.400	0.385	1.115	1170.485	24.979
12.200	138.839	77.741	0.390	1.110	1170.490	25.709
12.400	140.937	79.082	0.395	1.105	1170.495	26.451
12.600	143.036	80.423	0.401	1.099	1170.501	27.204
12.800	145.091	81.764	0.406	1.094	1170.506	27.969
13.000	147.147	83.086	0.411	1.089	1170.511	28.722
13.200	149.208	84.389	0.416	1.084	1170.516	29.487

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	151.274	85.691	0.421	1.079	1170.521	30.262
13.600	153.342	86.994	0.426	1.074	1170.526	31.049
13.800	155.412	88.297	0.431	1.069	1170.531	31.846
14.000	157.486	89.600	0.436	1.064	1170.536	32.654
14.200	159.563	90.902	0.441	1.059	1170.541	33.473
14.400	161.642	92.205	0.446	1.054	1170.546	34.303
14.600	163.725	93.508	0.451	1.049	1170.551	35.144
14.800	165.811	94.810	0.456	1.044	1170.556	35.994
15.000	167.899	96.177	0.461	1.039	1170.561	36.853
15.200	166.539	97.645	0.466	1.034	1170.566	37.695
15.400	165.139	99.070	0.471	1.029	1170.571	38.507
15.600	163.728	100.407	0.475	1.025	1170.575	39.274
15.800	162.309	101.678	0.480	1.020	1170.580	40.022
16.000	160.883	102.884	0.484	1.016	1170.584	40.736
16.200	159.448	104.046	0.487	1.013	1170.587	41.415
16.400	158.007	105.120	0.491	1.009	1170.591	42.059
16.600	156.560	106.150	0.494	1.006	1170.594	42.680
16.800	155.105	107.136	0.498	1.002	1170.598	43.265
17.000	153.645	108.057	0.501	0.999	1170.601	43.825
17.200	152.178	108.934	0.504	0.996	1170.604	44.360
17.400	150.703	109.767	0.506	0.994	1170.606	44.869
17.600	149.224	110.556	0.509	0.991	1170.609	45.350
17.800	147.737	111.301	0.511	0.989	1170.611	45.805
18.000	146.247	112.002	0.514	0.986	1170.614	46.233
18.200	144.748	112.660	0.516	0.984	1170.616	46.633
18.400	143.233	113.274	0.518	0.982	1170.618	47.007
18.600	141.707	113.843	0.520	0.980	1170.620	47.353
18.800	140.178	114.370	0.521	0.979	1170.621	47.672
19.000	138.642	114.852	0.523	0.977	1170.623	47.964
19.200	137.101	115.290	0.525	0.975	1170.625	48.241
19.400	135.557	115.707	0.526	0.974	1170.626	48.492
19.600	134.007	116.079	0.527	0.973	1170.627	48.714
19.800	132.451	116.430	0.528	0.972	1170.628	48.923
20.000	130.892	116.737	0.529	0.971	1170.629	49.104
20.200	129.327	117.000	0.530	0.970	1170.630	49.258
20.400	127.756	117.219	0.531	0.969	1170.631	49.397
20.600	126.182	117.416	0.531	0.969	1170.631	49.509
20.800	130.328	117.592	0.532	0.968	1170.632	49.648
21.000	137.644	117.877	0.533	0.967	1170.633	49.872
21.200	144.056	118.293	0.535	0.965	1170.635	50.165
21.400	149.564	118.797	0.537	0.963	1170.637	50.515
21.600	154.167	119.389	0.539	0.961	1170.639	50.921
21.800	157.996	120.068	0.541	0.959	1170.641	51.370
22.000	161.179	120.792	0.544	0.956	1170.644	51.848
22.200	163.716	121.559	0.546	0.954	1170.646	52.355
22.400	165.736	122.348	0.549	0.951	1170.649	52.876
22.600	166.982	123.181	0.552	0.948	1170.652	53.412
22.800	167.840	124.014	0.555	0.945	1170.655	53.950
23.000	168.310	124.847	0.558	0.942	1170.658	54.488
23.200	168.264	125.658	0.560	0.940	1170.660	54.999
23.400	167.831	126.447	0.563	0.937	1170.663	55.510
23.600	167.010	127.214	0.566	0.934	1170.666	55.994
23.800	165.801	127.959	0.568	0.932	1170.668	56.464
24.000	164.335	128.661	0.570	0.930	1170.670	56.907
24.200	162.480	129.318	0.572	0.928	1170.672	57.321
24.400	160.368	129.932	0.574	0.926	1170.674	57.708
24.600	157.997	130.480	0.576	0.924	1170.676	58.051
24.800	155.497	130.984	0.578	0.922	1170.678	58.353
25.000	152.739	131.423	0.579	0.921	1170.679	58.625
25.200	149.722	131.795	0.580	0.920	1170.680	58.855
25.400	146.576	132.124	0.581	0.919	1170.681	59.042
25.600	143.301	132.365	0.582	0.918	1170.682	59.186
25.800	139.768	132.562	0.583	0.917	1170.683	59.286
26.000	136.105	132.672	0.583	0.917	1170.683	59.344
26.200	132.314	132.738	0.583	0.917	1170.683	59.358
26.400	128.393	132.716	0.583	0.917	1170.683	59.315
26.600	124.343	132.628	0.582	0.918	1170.682	59.243
26.800	120.293	132.475	0.582	0.918	1170.682	59.114
27.000	115.985	132.234	0.581	0.919	1170.681	58.927
27.200	111.677	131.927	0.580	0.920	1170.680	58.711
27.400	107.368	131.554	0.578	0.922	1170.678	58.439
27.600	102.802	131.094	0.577	0.923	1170.677	58.109
27.800	98.235	130.546	0.575	0.925	1170.675	57.736
28.000	93.669	129.954	0.572	0.928	1170.672	57.321
28.200	88.973	129.274	0.570	0.930	1170.670	56.850
28.400	84.148	128.507	0.567	0.933	1170.667	56.336
28.600	79.323	127.696	0.564	0.936	1170.664	55.781
28.800	74.498	126.798	0.561	0.939	1170.661	55.169
29.000	69.674	125.811	0.558	0.942	1170.658	54.502
29.200	64.720	124.759	0.554	0.946	1170.654	53.808
29.400	59.636	123.641	0.550	0.950	1170.650	53.059
29.600	54.553	122.436	0.546	0.954	1170.646	52.256
29.800	49.470	121.143	0.541	0.959	1170.641	51.412

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	45.151	119.805	0.537	0.963	1170.637	50.529
30.200	45.100	118.403	0.532	0.968	1170.632	49.648
30.400	45.048	117.044	0.527	0.973	1170.627	48.784
30.600	44.996	115.685	0.523	0.977	1170.623	47.922
30.800	44.944	114.348	0.518	0.982	1170.618	47.090
31.000	44.892	113.032	0.514	0.986	1170.614	46.260
31.200	44.840	111.739	0.510	0.990	1170.610	45.460
31.400	44.788	110.468	0.505	0.995	1170.605	44.662
31.600	44.735	109.219	0.501	0.999	1170.601	43.894
31.800	44.683	107.991	0.497	1.003	1170.597	43.129
32.000	44.631	106.764	0.493	1.007	1170.593	42.383
32.200	44.579	105.580	0.489	1.011	1170.589	41.656
32.400	44.527	104.396	0.485	1.015	1170.585	40.935
32.600	44.475	103.213	0.481	1.019	1170.581	40.220
32.800	44.423	102.051	0.477	1.023	1170.577	39.536
33.000	44.371	100.911	0.473	1.027	1170.573	38.857
33.200	44.319	99.771	0.469	1.031	1170.569	38.184
33.400	44.266	98.632	0.465	1.035	1170.565	37.529
33.600	44.214	97.536	0.462	1.038	1170.562	36.891
33.800	44.162	96.440	0.458	1.042	1170.558	36.258
34.000	44.110	95.385	0.454	1.046	1170.554	35.643
34.200	44.058	94.466	0.451	1.049	1170.551	35.044
34.400	44.006	93.546	0.447	1.053	1170.547	34.451
34.600	43.954	92.627	0.444	1.056	1170.544	33.862
34.800	43.902	91.707	0.440	1.060	1170.540	33.280
35.000	43.849	90.787	0.436	1.064	1170.536	32.714
35.200	43.797	89.906	0.433	1.067	1170.533	32.166
35.400	43.745	89.025	0.430	1.070	1170.530	31.622
35.600	43.693	88.144	0.426	1.074	1170.526	31.084
35.800	43.641	87.262	0.423	1.077	1170.523	30.550
36.000	43.589	86.400	0.420	1.080	1170.520	30.045
36.200	43.541	85.557	0.416	1.084	1170.516	29.544
36.400	43.492	84.714	0.413	1.087	1170.513	29.047
36.600	43.444	83.871	0.410	1.090	1170.510	28.555
36.800	43.395	83.029	0.406	1.094	1170.506	28.079
37.000	43.347	82.224	0.403	1.097	1170.503	27.618
37.200	43.299	81.419	0.400	1.100	1170.500	27.161
37.400	43.250	80.615	0.397	1.103	1170.497	26.708
37.600	43.202	79.810	0.394	1.106	1170.494	26.259
37.800	43.153	79.025	0.391	1.109	1170.491	25.836
38.000	43.105	78.258	0.388	1.112	1170.488	25.416
38.200	43.057	77.492	0.385	1.115	1170.485	24.999
38.400	43.007	76.726	0.382	1.118	1170.482	24.587
38.600	42.955	75.979	0.379	1.121	1170.479	24.198
38.800	42.903	75.251	0.376	1.124	1170.476	23.813
39.000	42.851	74.523	0.374	1.126	1170.474	23.431
39.200	42.799	73.795	0.371	1.129	1170.471	23.052
39.400	42.747	73.067	0.368	1.132	1170.468	22.687
39.600	42.695	72.377	0.365	1.135	1170.465	22.334
39.800	42.643	71.687	0.363	1.137	1170.463	21.984
40.000	42.591	70.998	0.360	1.140	1170.460	21.638
40.200	42.539	70.308	0.357	1.143	1170.457	21.303
40.400	42.487	69.657	0.355	1.145	1170.455	20.981
40.600	42.435	69.005	0.352	1.148	1170.452	20.662
40.800	42.383	68.354	0.350	1.150	1170.450	20.345
41.000	42.330	67.702	0.347	1.153	1170.447	20.041
41.200	42.278	67.089	0.345	1.155	1170.445	19.747
41.400	42.226	66.476	0.343	1.157	1170.443	19.456
41.600	42.174	65.863	0.340	1.160	1170.440	19.167
41.800	42.122	65.250	0.338	1.162	1170.438	18.881
42.000	42.070	64.656	0.336	1.164	1170.436	18.615
42.200	42.018	64.082	0.333	1.167	1170.433	18.350
42.400	41.966	63.507	0.331	1.169	1170.431	18.088
42.600	41.914	62.932	0.329	1.171	1170.429	17.827
42.800	41.862	62.377	0.327	1.173	1170.427	17.586
43.000	41.810	61.840	0.325	1.175	1170.425	17.346
43.200	41.758	61.304	0.323	1.177	1170.423	17.109
43.400	41.706	60.767	0.321	1.179	1170.421	16.873
43.600	41.654	60.250	0.319	1.181	1170.419	16.655
43.800	41.602	59.752	0.317	1.183	1170.417	16.439
44.000	41.550	59.254	0.315	1.185	1170.415	16.224
44.200	41.497	58.756	0.313	1.187	1170.413	16.011
44.400	41.445	58.258	0.311	1.189	1170.411	15.808
44.600	41.393	57.798	0.309	1.191	1170.409	15.614
44.800	41.341	57.338	0.307	1.193	1170.407	15.421
45.000	41.289	56.878	0.306	1.194	1170.406	15.229
45.200	41.237	56.422	0.304	1.196	1170.404	15.047
45.400	41.185	56.065	0.302	1.198	1170.402	14.874
45.600	41.133	55.709	0.301	1.199	1170.401	14.702
45.800	41.081	55.353	0.299	1.201	1170.399	14.531
46.000	41.029	54.997	0.297	1.203	1170.397	14.361
46.200	40.977	54.640	0.296	1.204	1170.396	14.192
46.400	40.925	54.284	0.294	1.206	1170.394	14.024

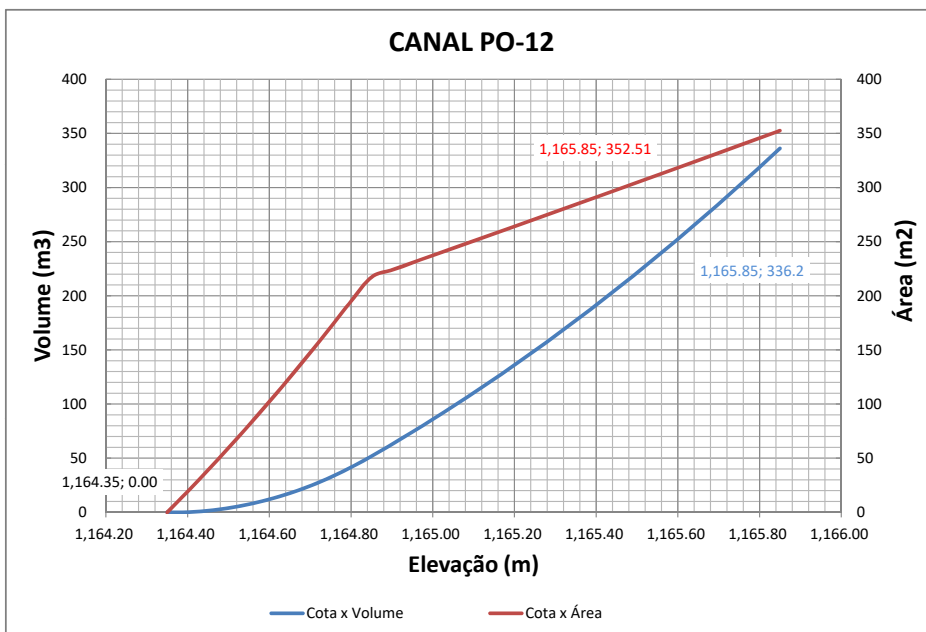
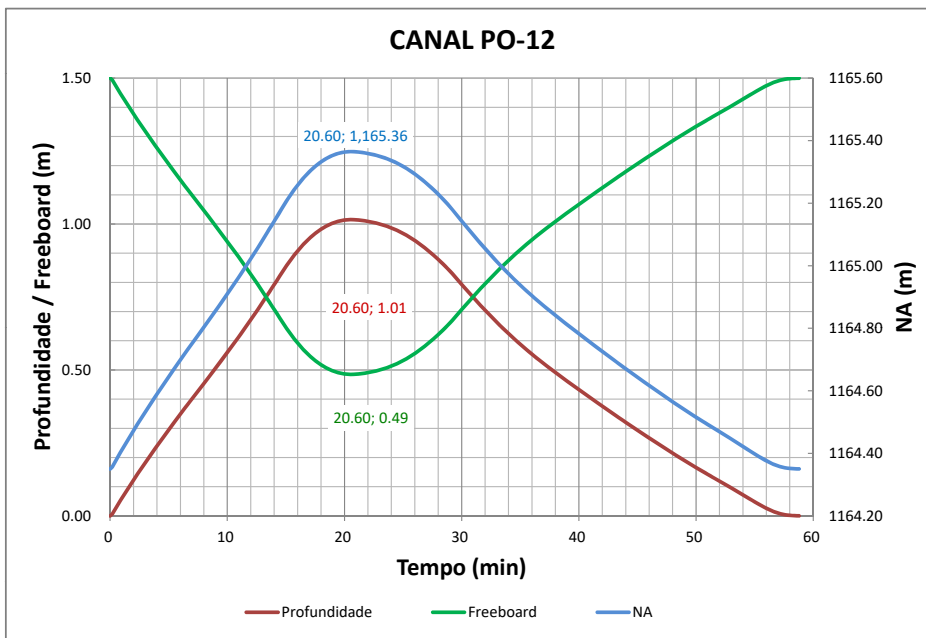
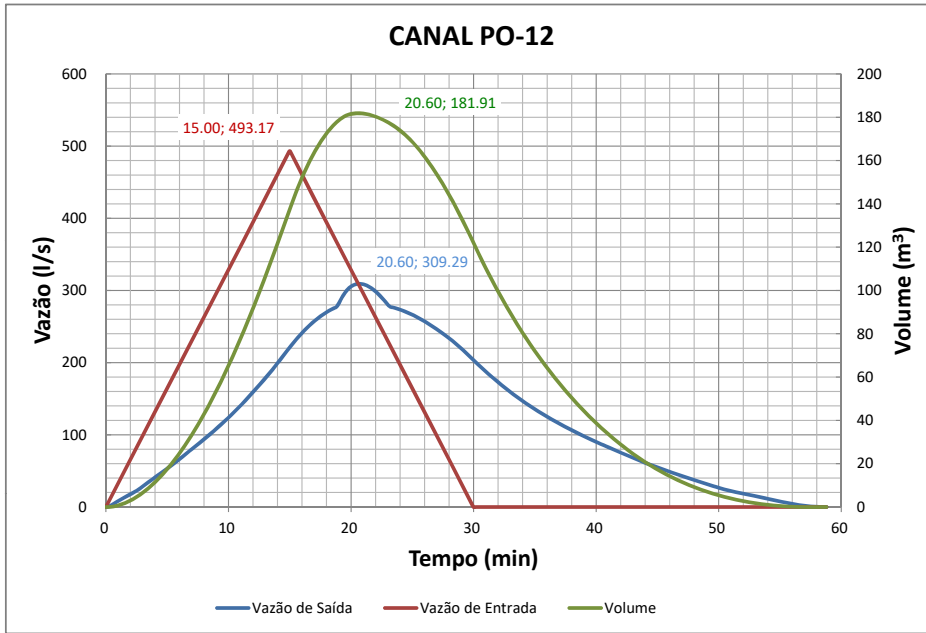
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
46.600	40.873	53.944	0.293	1.207	1170.393	13.872
46.800	40.821	53.620	0.291	1.209	1170.391	13.721
47.000	40.769	53.296	0.290	1.210	1170.390	13.571
47.200	40.717	52.972	0.288	1.212	1170.388	13.422
47.400	40.664	52.648	0.287	1.213	1170.387	13.274
47.600	40.612	52.325	0.285	1.215	1170.385	13.126
47.800	40.560	52.017	0.284	1.216	1170.384	12.994
48.000	40.508	51.725	0.282	1.218	1170.382	12.863
48.200	40.456	51.434	0.281	1.219	1170.381	12.733
48.400	40.404	51.142	0.280	1.220	1170.380	12.603
48.600	40.352	50.851	0.278	1.222	1170.378	12.474
48.800	40.300	50.559	0.277	1.223	1170.377	12.345
49.000	40.248	50.268	0.276	1.224	1170.376	12.224
49.200	40.196	50.009	0.275	1.225	1170.375	12.112
49.400	40.144	49.750	0.273	1.227	1170.373	11.999
49.600	40.092	49.491	0.272	1.228	1170.372	11.887
49.800	40.040	49.231	0.271	1.229	1170.371	11.776
50.000	39.988	48.972	0.270	1.230	1170.370	11.665
50.200	39.936	48.713	0.269	1.231	1170.369	11.555
50.400	39.884	48.454	0.267	1.233	1170.367	11.445
50.600	39.831	48.211	0.266	1.234	1170.366	11.350
50.800	39.779	47.984	0.265	1.235	1170.365	11.255
51.000	39.727	47.758	0.264	1.236	1170.364	11.160
51.200	39.675	47.531	0.263	1.237	1170.363	11.066
51.400	39.623	47.304	0.262	1.238	1170.362	10.972
51.600	39.571	47.078	0.261	1.239	1170.361	10.879
51.800	39.519	46.851	0.260	1.240	1170.360	10.786
52.000	39.467	46.624	0.259	1.241	1170.359	10.700
52.200	39.415	46.430	0.258	1.242	1170.358	10.621
52.400	39.363	46.236	0.257	1.243	1170.357	10.542
52.600	39.311	46.041	0.257	1.243	1170.357	10.464
52.800	39.259	45.847	0.256	1.244	1170.356	10.386
53.000	39.207	45.653	0.255	1.245	1170.355	10.308
53.200	39.155	45.458	0.254	1.246	1170.354	10.231
53.400	39.103	45.264	0.253	1.247	1170.353	10.154
53.600	39.051	45.070	0.252	1.248	1170.352	10.077
53.800	38.998	44.875	0.251	1.249	1170.351	10.000
54.000	38.946	44.697	0.250	1.250	1170.350	9.937
54.200	38.891	44.535	0.250	1.250	1170.350	9.874
54.400	38.833	44.373	0.249	1.251	1170.349	9.811
54.600	38.775	44.211	0.248	1.252	1170.348	9.748
54.800	38.717	44.049	0.247	1.253	1170.347	9.685
55.000	38.658	43.887	0.247	1.253	1170.347	9.623
55.200	38.600	43.725	0.246	1.254	1170.346	9.560
55.400	38.542	43.563	0.245	1.255	1170.345	9.498
55.600	38.484	43.402	0.244	1.256	1170.344	9.437
55.800	38.425	43.240	0.244	1.256	1170.344	9.375
56.000	38.367	43.078	0.243	1.257	1170.343	9.314
56.200	38.309	42.916	0.242	1.258	1170.342	9.252
56.400	38.251	42.770	0.242	1.258	1170.342	9.204
56.600	38.192	42.640	0.241	1.259	1170.341	9.155
56.800	38.134	42.511	0.240	1.260	1170.340	9.106
57.000	38.076	42.381	0.240	1.260	1170.340	9.058
57.200	38.018	42.252	0.239	1.261	1170.339	9.010
57.400	37.959	42.122	0.239	1.261	1170.339	8.962
57.600	37.901	41.993	0.238	1.262	1170.338	8.914
57.800	37.843	41.863	0.237	1.263	1170.337	8.866
58.000	37.785	41.734	0.237	1.263	1170.337	8.818
58.200	37.727	41.604	0.236	1.264	1170.336	8.771
58.400	37.668	41.474	0.236	1.264	1170.336	8.723
58.600	37.610	41.345	0.235	1.265	1170.335	8.676
58.800	37.552	41.215	0.235	1.265	1170.335	8.629
59.000	37.494	41.086	0.234	1.266	1170.334	8.582
59.200	37.435	40.956	0.233	1.267	1170.333	8.535
59.400	37.377	40.827	0.233	1.267	1170.333	8.488
59.600	37.319	40.697	0.232	1.268	1170.332	8.447
59.800	37.261	40.600	0.232	1.268	1170.332	8.412
60.000	37.202	40.503	0.231	1.269	1170.331	8.377
60.200	37.144	40.406	0.231	1.269	1170.331	8.343
60.400	37.086	40.308	0.230	1.270	1170.330	8.308
60.600	37.028	40.211	0.230	1.270	1170.330	8.273
60.800	36.969	40.114	0.230	1.270	1170.330	8.239
61.000	36.911	40.017	0.229	1.271	1170.329	8.204
61.200	36.853	39.920	0.229	1.271	1170.329	8.170
61.400	36.795	39.823	0.228	1.272	1170.328	8.136
61.600	36.737	39.725	0.228	1.272	1170.328	8.102
61.800	36.678	39.628	0.227	1.273	1170.327	8.067
62.000	36.620	39.531	0.227	1.273	1170.327	8.033
62.200	36.562	39.434	0.226	1.274	1170.326	7.999
62.400	36.504	39.337	0.226	1.274	1170.326	7.965
62.600	36.445	39.240	0.226	1.274	1170.326	7.932
62.800	36.387	39.142	0.225	1.275	1170.325	7.898
63.000	36.329	39.045	0.225	1.275	1170.325	7.864

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
63.200	36.271	38.948	0.224	1.276	1170.324	7.831
63.400	36.212	38.851	0.224	1.276	1170.324	7.797
63.600	36.154	38.754	0.223	1.277	1170.323	7.764
63.800	36.096	38.657	0.223	1.277	1170.323	7.730
64.000	36.038	38.560	0.222	1.278	1170.322	7.697
64.200	35.979	38.462	0.222	1.278	1170.322	7.664
64.400	35.921	38.365	0.222	1.279	1170.322	7.631
64.600	35.863	38.268	0.221	1.279	1170.321	7.597
64.800	35.805	38.171	0.221	1.279	1170.321	7.564
65.000	35.746	38.074	0.220	1.280	1170.320	7.532
65.200	35.688	37.977	0.220	1.280	1170.320	7.499
65.400	35.630	37.896	0.219	1.281	1170.319	7.477
65.600	35.572	37.831	0.219	1.281	1170.319	7.455
65.800	35.514	37.766	0.219	1.281	1170.319	7.433
66.000	35.455	37.701	0.219	1.281	1170.319	7.411
66.200	35.397	37.636	0.218	1.282	1170.318	7.390
66.400	35.339	37.572	0.218	1.282	1170.318	7.368
66.600	35.281	37.507	0.218	1.282	1170.318	7.346
66.800	35.222	37.442	0.217	1.283	1170.317	7.325
67.000	35.164	37.377	0.217	1.283	1170.317	7.303
67.200	35.106	37.313	0.217	1.283	1170.317	7.282
67.400	35.048	37.248	0.216	1.284	1170.316	7.260
67.600	34.989	37.183	0.216	1.284	1170.316	7.239
67.800	34.931	37.118	0.216	1.284	1170.316	7.217
68.000	34.873	37.053	0.216	1.284	1170.316	7.196
68.200	34.815	36.989	0.215	1.285	1170.315	7.174
68.400	34.756	36.924	0.215	1.285	1170.315	7.153
68.600	34.698	36.859	0.215	1.285	1170.315	7.132
68.800	34.640	36.794	0.214	1.286	1170.314	7.110
69.000	34.582	36.730	0.214	1.286	1170.314	7.089
69.200	34.524	36.665	0.214	1.286	1170.314	7.068
69.400	34.465	36.600	0.213	1.287	1170.313	7.047
69.600	34.407	36.535	0.213	1.287	1170.313	7.026
69.800	34.349	36.470	0.213	1.287	1170.313	7.004
70.000	34.284	36.406	0.213	1.287	1170.313	6.983
70.200	34.217	36.341	0.212	1.288	1170.312	6.962
70.400	34.149	36.276	0.212	1.288	1170.312	6.941
70.600	34.082	36.211	0.212	1.288	1170.312	6.920
70.800	34.015	36.147	0.211	1.289	1170.311	6.899
71.000	33.947	36.082	0.211	1.289	1170.311	6.878
71.200	33.880	36.017	0.211	1.289	1170.311	6.858
71.400	33.813	35.952	0.210	1.290	1170.310	6.837
71.600	33.745	35.887	0.210	1.290	1170.310	6.816
71.800	33.678	35.823	0.210	1.290	1170.310	6.795
72.000	33.611	35.758	0.210	1.290	1170.310	6.774
72.200	33.543	35.693	0.209	1.291	1170.309	6.754
72.400	33.476	35.628	0.209	1.291	1170.309	6.733
72.600	33.411	35.547	0.209	1.291	1170.309	6.707
72.800	33.349	35.483	0.208	1.292	1170.308	6.687
73.000	33.287	35.418	0.208	1.292	1170.308	6.666
73.200	33.225	35.353	0.208	1.292	1170.308	6.645
73.400	33.163	35.288	0.207	1.293	1170.307	6.625
73.600	33.101	35.224	0.207	1.293	1170.307	6.604
73.800	33.038	35.159	0.207	1.293	1170.307	6.584
74.000	32.976	35.094	0.207	1.293	1170.307	6.564
74.200	32.914	35.029	0.206	1.294	1170.306	6.543
74.400	32.852	34.964	0.206	1.294	1170.306	6.523
74.600	32.790	34.900	0.206	1.294	1170.306	6.503
74.800	32.728	34.835	0.205	1.295	1170.305	6.482
75.000	32.665	34.770	0.205	1.295	1170.305	6.462
75.200	32.603	34.705	0.205	1.295	1170.305	6.442
75.400	32.541	34.641	0.204	1.296	1170.304	6.422
75.600	32.479	34.576	0.204	1.296	1170.304	6.402
75.800	32.417	34.511	0.204	1.296	1170.304	6.377
76.000	32.355	34.430	0.203	1.297	1170.303	6.356
76.200	32.293	34.365	0.203	1.297	1170.303	6.336
76.400	32.230	34.300	0.203	1.297	1170.303	6.316
76.600	32.168	34.236	0.203	1.297	1170.303	6.296
76.800	32.106	34.171	0.202	1.298	1170.302	6.277
77.000	32.044	34.106	0.202	1.298	1170.302	6.257
77.200	31.982	34.041	0.202	1.298	1170.302	6.237
77.400	31.920	33.977	0.201	1.299	1170.301	6.217
77.600	31.858	33.912	0.201	1.299	1170.301	6.197
77.800	31.795	33.847	0.201	1.299	1170.301	6.177
78.000	31.733	33.782	0.201	1.299	1170.301	6.158
78.200	31.671	33.717	0.200	1.300	1170.300	6.138
78.400	31.609	33.653	0.200	1.300	1170.300	6.118
78.600	31.547	33.588	0.200	1.300	1170.300	6.099
78.800	31.485	33.523	0.199	1.301	1170.299	6.079
79.000	31.423	33.458	0.199	1.301	1170.299	6.060

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
79.200	31.360	33.394	0.199	1.301	1170.299	6.040
79.400	31.298	33.329	0.198	1.302	1170.298	6.016
79.600	31.236	33.248	0.198	1.302	1170.298	5.996
79.800	31.174	33.183	0.198	1.302	1170.298	5.977
80.000	31.112	33.118	0.197	1.303	1170.297	5.958
80.200	31.050	33.053	0.197	1.303	1170.297	5.938
80.400	30.987	32.989	0.197	1.303	1170.297	5.919
80.600	30.925	32.924	0.197	1.303	1170.297	5.900
80.800	30.863	32.859	0.196	1.304	1170.296	5.880
81.000	30.801	32.794	0.196	1.304	1170.296	5.861
81.200	30.739	32.730	0.196	1.304	1170.296	5.842
81.400	30.677	32.665	0.195	1.305	1170.295	5.823
81.600	30.615	32.600	0.195	1.305	1170.295	5.804
81.800	30.552	32.535	0.195	1.305	1170.295	5.785
82.000	30.490	32.471	0.194	1.306	1170.294	5.765
82.200	30.428	32.406	0.194	1.306	1170.294	5.746
82.400	30.366	32.341	0.194	1.306	1170.294	5.727
82.600	30.304	32.276	0.194	1.306	1170.294	5.709
82.800	30.242	32.211	0.193	1.307	1170.293	5.690
83.000	30.180	32.147	0.193	1.307	1170.293	5.671
83.200	30.117	32.082	0.193	1.307	1170.293	5.652
83.400	30.055	32.001	0.192	1.308	1170.292	5.628
83.600	29.993	31.936	0.192	1.308	1170.292	5.610
83.800	29.931	31.871	0.192	1.308	1170.292	5.591
84.000	29.869	31.807	0.191	1.309	1170.291	5.572
84.200	29.807	31.742	0.191	1.309	1170.291	5.553
84.400	29.745	31.677	0.191	1.309	1170.291	5.535
84.600	29.682	31.612	0.191	1.309	1170.291	5.516
84.800	29.620	31.547	0.190	1.310	1170.290	5.498
85.000	29.558	31.483	0.190	1.310	1170.290	5.479
85.200	29.496	31.418	0.190	1.310	1170.290	5.460
85.400	29.434	31.353	0.189	1.311	1170.289	5.442
85.600	29.372	31.288	0.189	1.311	1170.289	5.423
85.800	29.309	31.224	0.189	1.311	1170.289	5.405
86.000	29.247	31.159	0.188	1.312	1170.288	5.387
86.200	29.185	31.094	0.188	1.312	1170.288	5.368
86.400	29.123	31.029	0.188	1.312	1170.288	5.350
86.600	29.061	30.964	0.188	1.312	1170.288	5.332
86.800	28.992	30.900	0.187	1.313	1170.287	5.309
87.000	28.915	30.819	0.187	1.313	1170.287	5.286
87.200	28.839	30.738	0.186	1.314	1170.286	5.263
87.400	28.762	30.657	0.186	1.314	1170.286	5.241
87.600	28.686	30.576	0.186	1.314	1170.286	5.218
87.800	28.606	30.495	0.185	1.315	1170.285	5.196
88.000	28.524	30.398	0.185	1.315	1170.285	5.173
88.200	28.441	30.317	0.185	1.315	1170.285	5.146
88.400	28.358	30.236	0.184	1.316	1170.284	5.124
88.600	28.275	30.139	0.184	1.316	1170.284	5.097
88.800	28.193	30.058	0.183	1.317	1170.283	5.075
89.000	28.110	29.960	0.183	1.317	1170.283	5.052
89.200	28.027	29.879	0.183	1.318	1170.283	5.026
89.400	27.944	29.798	0.182	1.318	1170.282	5.004
89.600	27.861	29.701	0.182	1.318	1170.282	4.977
89.800	27.779	29.620	0.181	1.319	1170.281	4.955
90.000	27.696	29.523	0.181	1.319	1170.281	4.933
90.200	27.613	29.442	0.180	1.320	1170.280	4.907
90.400	27.530	29.361	0.180	1.320	1170.280	4.885
90.600	27.448	29.264	0.180	1.320	1170.280	4.859
90.800	27.365	29.183	0.179	1.321	1170.279	4.837
91.000	27.282	29.086	0.179	1.321	1170.279	4.815
91.200	27.199	29.005	0.178	1.322	1170.278	4.789
91.400	27.116	28.924	0.178	1.322	1170.278	4.768
91.600	27.034	28.827	0.178	1.322	1170.278	4.746
91.800	26.951	28.746	0.177	1.323	1170.277	4.721
92.000	26.868	28.649	0.177	1.323	1170.277	4.699
92.200	26.785	28.568	0.176	1.324	1170.276	4.673
92.400	26.703	28.487	0.176	1.324	1170.276	4.652
92.600	26.620	28.390	0.176	1.324	1170.276	4.631
92.800	26.537	28.309	0.175	1.325	1170.275	4.606
93.000	26.454	28.211	0.175	1.325	1170.275	4.584
93.200	26.372	28.130	0.174	1.326	1170.274	4.559
93.400	26.289	28.050	0.174	1.326	1170.274	4.538
93.600	26.206	27.952	0.174	1.326	1170.274	4.517
93.800	26.123	27.871	0.173	1.327	1170.273	4.492
94.000	26.040	27.774	0.173	1.327	1170.273	4.471
94.200	25.958	27.693	0.172	1.328	1170.272	4.446
94.400	25.875	27.612	0.172	1.328	1170.272	4.425
94.600	25.786	27.515	0.172	1.328	1170.272	4.401
94.800	25.697	27.418	0.171	1.329	1170.271	4.376
95.000	25.607	27.321	0.171	1.329	1170.271	4.355
95.200	25.518	27.240	0.170	1.330	1170.270	4.331

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
95.400	25.429	27.143	0.170	1.330	1170.270	4.306
95.600	25.340	27.045	0.169	1.331	1170.269	4.282
95.800	25.251	26.948	0.169	1.331	1170.269	4.257
96.000	25.162	26.851	0.169	1.331	1170.269	4.237
96.200	25.073	26.770	0.168	1.332	1170.268	4.213
96.400	24.984	26.673	0.168	1.332	1170.268	4.188
96.600	24.894	26.576	0.167	1.333	1170.267	4.164
96.800	24.805	26.479	0.167	1.333	1170.267	4.140
97.000	24.716	26.382	0.166	1.334	1170.266	4.116
97.200	24.627	26.301	0.166	1.334	1170.266	4.096
97.400	24.538	26.203	0.166	1.334	1170.266	4.073
97.600	24.449	26.106	0.165	1.335	1170.265	4.049
97.800	24.360	26.009	0.165	1.335	1170.265	4.025
98.000	24.270	25.912	0.164	1.336	1170.264	4.002
98.200	24.181	25.831	0.164	1.336	1170.264	3.982
98.400	24.092	25.734	0.163	1.337	1170.263	3.958
98.600	24.003	25.637	0.163	1.337	1170.263	3.935
98.800	23.914	25.539	0.163	1.337	1170.263	3.912
99.000	23.825	25.442	0.162	1.338	1170.262	3.888
99.200	23.732	25.345	0.162	1.338	1170.262	3.865
99.400	23.637	25.248	0.161	1.339	1170.261	3.842
99.600	23.541	25.151	0.161	1.339	1170.261	3.819
99.800	23.446	25.054	0.160	1.340	1170.260	3.796
100.000	23.350	24.956	0.160	1.340	1170.260	3.773
100.200	23.255	24.859	0.159	1.341	1170.259	3.750
100.400	23.159	24.762	0.159	1.341	1170.259	3.728
100.600	23.064	24.665	0.159	1.341	1170.259	3.705
100.800	22.968	24.568	0.158	1.342	1170.258	3.682
101.000	22.873	24.471	0.158	1.342	1170.258	3.660
101.200	22.777	24.373	0.157	1.343	1170.257	3.637
101.400	22.682	24.276	0.157	1.343	1170.257	3.615
101.600	22.586	24.179	0.156	1.344	1170.256	3.593
101.800	22.482	24.082	0.156	1.344	1170.256	3.571
102.000	22.344	23.985	0.155	1.345	1170.255	3.548
102.200	22.205	23.888	0.155	1.345	1170.255	3.526
102.400	22.067	23.790	0.155	1.345	1170.255	3.504
102.600	21.929	23.693	0.154	1.346	1170.254	3.482
102.800	21.790	23.596	0.154	1.346	1170.254	3.460
103.000	21.652	23.499	0.153	1.347	1170.253	3.439
103.200	21.509	23.402	0.153	1.347	1170.253	3.417
103.400	21.361	23.305	0.152	1.348	1170.252	3.395
103.600	21.214	23.227	0.152	1.348	1170.252	3.374
103.800	21.066	23.159	0.151	1.349	1170.251	3.349
104.000	20.919	23.068	0.151	1.349	1170.251	3.320
104.200	20.771	22.977	0.150	1.350	1170.250	3.292
104.400	20.623	22.886	0.150	1.350	1170.250	3.264
104.600	20.476	22.795	0.149	1.351	1170.249	3.235
104.800	20.328	22.704	0.148	1.352	1170.248	3.207
105.000	20.181	22.613	0.148	1.352	1170.248	3.179
105.200	20.033	22.522	0.147	1.353	1170.247	3.152
105.400	19.885	22.431	0.147	1.353	1170.247	3.124
105.600	19.738	22.340	0.146	1.354	1170.246	3.093
105.800	19.590	22.227	0.145	1.355	1170.245	3.059
106.000	19.443	22.113	0.144	1.356	1170.244	3.025
106.200	19.295	22.000	0.144	1.356	1170.244	2.991
106.400	19.147	21.886	0.143	1.357	1170.243	2.958
106.600	19.000	21.772	0.142	1.358	1170.242	2.924
106.800	18.852	21.659	0.141	1.359	1170.241	2.891
107.000	18.705	21.545	0.141	1.359	1170.241	2.858
107.200	18.557	21.431	0.140	1.360	1170.240	2.825
107.400	18.410	21.318	0.139	1.361	1170.239	2.793
107.600	18.262	21.204	0.138	1.362	1170.238	2.760
107.800	18.105	21.079	0.138	1.362	1170.238	2.722
108.000	17.948	20.943	0.137	1.363	1170.237	2.683
108.200	17.791	20.806	0.136	1.364	1170.236	2.645
108.400	17.635	20.670	0.135	1.365	1170.235	2.608
108.600	17.478	20.534	0.134	1.366	1170.234	2.570
108.800	17.321	20.397	0.133	1.367	1170.233	2.533
109.000	17.164	20.261	0.132	1.368	1170.232	2.496
109.200	17.007	20.125	0.131	1.369	1170.231	2.459
109.400	16.851	19.988	0.130	1.370	1170.230	2.423
109.600	16.694	19.852	0.130	1.370	1170.230	2.387
109.800	16.537	19.716	0.129	1.371	1170.229	2.351
110.000	16.380	19.579	0.128	1.372	1170.228	2.316
110.200	16.223	19.431	0.127	1.373	1170.227	2.275
110.400	16.066	19.272	0.126	1.374	1170.226	2.234
110.600	15.905	19.113	0.125	1.375	1170.225	2.194
110.800	15.739	18.954	0.124	1.376	1170.224	2.154
111.000	15.573	18.795	0.123	1.377	1170.223	2.114
111.200	15.407	18.636	0.121	1.379	1170.221	2.075
111.400	15.241	18.477	0.120	1.380	1170.220	2.037
111.600	15.075	18.318	0.119	1.381	1170.219	1.998
111.800	14.909	18.159	0.118	1.382	1170.218	1.960

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
112.000	14.743	18.000	0.117	1.383	1170.217	1.923
112.200	14.577	17.841	0.116	1.384	1170.216	1.886
112.400	14.411	17.681	0.115	1.385	1170.215	1.849
112.600	14.245	17.511	0.114	1.386	1170.214	1.807
112.800	14.069	17.329	0.113	1.387	1170.213	1.766
113.000	13.894	17.147	0.112	1.388	1170.212	1.726
113.200	13.719	16.966	0.110	1.390	1170.210	1.686
113.400	13.543	16.784	0.109	1.391	1170.209	1.646
113.600	13.368	16.602	0.108	1.392	1170.208	1.607
113.800	13.193	16.420	0.107	1.393	1170.207	1.569
114.000	13.000	16.238	0.106	1.394	1170.206	1.531
114.200	12.758	16.056	0.105	1.395	1170.205	1.494
114.400	12.509	15.863	0.103	1.397	1170.203	1.452
114.600	12.254	15.659	0.102	1.398	1170.202	1.411
114.800	11.999	15.454	0.101	1.400	1170.201	1.371
115.000	11.743	15.250	0.099	1.401	1170.199	1.329
115.200	11.488	15.022	0.098	1.402	1170.198	1.286
115.400	11.233	14.795	0.096	1.404	1170.196	1.243
115.600	10.978	14.568	0.095	1.405	1170.195	1.202
115.800	10.723	14.341	0.093	1.407	1170.193	1.159
116.000	10.468	14.091	0.091	1.409	1170.191	1.114
116.200	10.212	13.841	0.090	1.410	1170.190	1.071
116.400	9.957	13.591	0.088	1.412	1170.188	1.029
116.600	9.702	13.341	0.086	1.414	1170.186	0.986
116.800	9.447	13.068	0.085	1.415	1170.185	0.942
117.000	9.192	12.795	0.083	1.417	1170.183	0.899
117.200	8.937	12.522	0.081	1.419	1170.181	0.857
117.400	8.669	12.238	0.079	1.421	1170.179	0.813
117.600	8.401	11.943	0.077	1.423	1170.177	0.770
117.800	8.133	11.647	0.075	1.425	1170.175	0.729
118.000	7.865	11.352	0.073	1.427	1170.173	0.687
118.200	7.597	11.034	0.071	1.429	1170.171	0.646
118.400	7.329	10.716	0.069	1.431	1170.169	0.606
118.600	7.061	10.398	0.067	1.433	1170.167	0.567
118.800	6.793	10.068	0.065	1.435	1170.165	0.527
119.000	6.513	9.727	0.063	1.437	1170.163	0.489
119.200	6.232	9.386	0.060	1.440	1170.160	0.452
119.400	5.951	9.023	0.058	1.442	1170.158	0.415
119.600	5.671	8.659	0.055	1.445	1170.155	0.380
119.800	5.384	8.284	0.053	1.447	1170.153	0.345
120.000	5.090	7.898	0.050	1.450	1170.150	0.312
120.200	4.797	7.488	0.048	1.452	1170.148	0.279
120.400	4.491	7.079	0.045	1.455	1170.145	0.249
120.600	4.184	6.670	0.042	1.458	1170.142	0.220
120.800	3.878	6.261	0.040	1.460	1170.140	0.193
121.000	3.579	5.852	0.037	1.463	1170.137	0.169
121.200	3.285	5.466	0.034	1.466	1170.134	0.146
121.400	3.004	5.079	0.032	1.468	1170.132	0.126
121.600	2.737	4.693	0.029	1.471	1170.129	0.107
121.800	2.475	4.307	0.027	1.473	1170.127	0.090
122.000	2.226	3.943	0.025	1.475	1170.125	0.074
122.200	1.990	3.579	0.022	1.478	1170.122	0.061
122.400	1.767	3.227	0.020	1.480	1170.120	0.049
122.600	1.556	2.886	0.018	1.482	1170.118	0.039
122.800	1.359	2.568	0.016	1.484	1170.116	0.030
123.000	1.180	2.261	0.014	1.486	1170.114	0.023
123.200	1.021	1.977	0.012	1.488	1170.112	0.018
123.400	0.874	1.716	0.010	1.490	1170.110	0.013
123.600	0.740	1.477	0.009	1.491	1170.109	0.010
123.800	0.625	1.261	0.008	1.492	1170.108	0.007
124.000	0.523	1.068	0.006	1.494	1170.106	0.005
124.200	0.434	0.898	0.005	1.495	1170.105	0.003
124.400	0.357	0.750	0.004	1.496	1170.104	0.002
124.600	0.293	0.625	0.004	1.496	1170.104	0.002
124.800	0.242	0.511	0.003	1.497	1170.103	0.001
125.000	0.198	0.420	0.002	1.498	1170.102	0.001
125.200	0.159	0.341	0.002	1.498	1170.102	0.000
125.400	0.128	0.273	0.002	1.498	1170.102	0.000
125.600	0.102	0.227	0.001	1.499	1170.101	0.000
125.800	0.083	0.182	0.001	1.499	1170.101	0.000
126.000	0.070	0.148	0.001	1.499	1170.101	0.000
126.200	0.057	0.125	0.001	1.499	1170.101	0.000
126.400	0.045	0.102	0.001	1.499	1170.101	0.000
126.600	0.032	0.000	0.000	1.500	1170.100	0.000





ARQUITETURA + URBANISMO
 CLN nº 8, B, S.L. 900 - CEP 70.743-900
 BRASÍLIA - DF - FONE: 01 3034 3700

CANAL: PO-12

DATA: 18.12.2019

IMPULT DE DADOS: 18.12.2019

VERSÃO_V002

CÁLCULO DE DIMENSIONAMENTO DOS CANAIS

VARIÁVEL	TEMPO (min)	VALOR	COTA DE CRISTA JUSANTE (m)			
VAZÃO DE ENTRADA MAX. (l/s)	15.00	493.175	COTA DE FUNDO JUSANTE (m)	1165.850		
VAZÃO DE SAÍDA MAX. (l/s)	20.60	309.293	COTA VERTEDOIRO (m)	1164.350		
PROFUNDIDADE MAX. (m)	20.60	1.015	COTA DO ORIFÍCIO (m)	1164.350		
FREEBOARD MIN. (m)	20.60	0.485	VERTEDOIRO DE CONTROLE (cm)	15.00		
NA MAX. (m)	20.60	1,165.365	VERTEDOIRO DE DESCARGA (cm)	400.00		
VOLUME MAX (m ³)	20.60	181.91	DRENO DE FUNDO 3X ø (mm)	150.00		
VOLUME TOTAL (m ³)		336.20	COEF. DE DESCARGA DO VERTEDOIRO	1.660		
PROFUNDIDADE TOTAL. (m)		1.50	COEF. DE DESCARGA DO DRENO DE FUNDO	0.130		
TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
0.000	0.000	0.000	0.000	1.500	1164.350	0.000
0.200	6.576	0.330	0.007	1.493	1164.357	0.010
0.400	13.151	2.080	0.020	1.480	1164.370	0.078
0.600	19.727	4.102	0.034	1.466	1164.384	0.216
0.800	26.303	6.159	0.047	1.453	1164.397	0.426
1.000	32.878	8.227	0.060	1.440	1164.410	0.703
1.200	39.454	10.227	0.073	1.427	1164.423	1.037
1.400	46.030	12.170	0.086	1.414	1164.436	1.426
1.600	52.605	14.068	0.098	1.402	1164.448	1.869
1.800	59.181	15.954	0.111	1.389	1164.461	2.370
2.000	65.757	17.818	0.123	1.377	1164.473	2.926
2.200	72.332	19.659	0.135	1.365	1164.485	3.538
2.400	78.908	21.500	0.147	1.353	1164.497	4.209
2.600	85.484	23.369	0.159	1.341	1164.509	4.935
2.800	92.059	25.960	0.171	1.329	1164.521	5.712
3.000	98.635	28.519	0.182	1.318	1164.532	6.536
3.200	105.211	31.045	0.194	1.306	1164.544	7.407
3.400	111.786	33.539	0.205	1.295	1164.555	8.327
3.600	118.362	36.033	0.217	1.283	1164.567	9.298
3.800	124.938	38.495	0.228	1.272	1164.578	10.318
4.000	131.513	40.956	0.239	1.261	1164.589	11.386
4.200	138.089	43.385	0.250	1.250	1164.600	12.501
4.400	144.665	45.814	0.262	1.238	1164.612	13.671
4.600	151.240	48.244	0.273	1.227	1164.623	14.888
4.800	157.816	50.640	0.284	1.216	1164.634	16.151
5.000	164.392	53.037	0.295	1.205	1164.645	17.468
5.200	170.967	55.434	0.306	1.194	1164.656	18.840
5.400	177.543	58.085	0.317	1.183	1164.667	20.257
5.600	184.119	60.882	0.327	1.173	1164.677	21.718
5.800	190.694	63.679	0.338	1.162	1164.688	23.223
6.000	197.270	66.438	0.349	1.151	1164.699	24.771
6.200	203.846	69.197	0.360	1.140	1164.710	26.371
6.400	210.421	71.955	0.370	1.130	1164.720	28.014
6.600	216.997	74.676	0.381	1.119	1164.731	29.698
6.800	223.572	77.396	0.391	1.109	1164.741	31.435
7.000	230.148	80.117	0.402	1.098	1164.752	33.224
7.200	236.724	82.837	0.413	1.087	1164.763	35.053
7.400	243.299	85.519	0.423	1.077	1164.773	36.922
7.600	249.875	88.201	0.433	1.067	1164.783	38.844
7.800	256.451	90.883	0.444	1.056	1164.794	40.817
8.000	263.026	93.565	0.454	1.046	1164.804	42.843
8.200	269.602	96.330	0.465	1.035	1164.815	44.903
8.400	276.178	99.355	0.475	1.025	1164.825	46.995
8.600	282.753	102.380	0.485	1.015	1164.835	49.134
8.800	289.329	105.405	0.495	1.005	1164.845	51.319
9.000	295.905	108.429	0.506	0.994	1164.856	53.546
9.200	302.480	111.454	0.516	0.984	1164.866	55.808
9.400	309.056	114.523	0.526	0.974	1164.876	58.116
9.600	315.632	117.635	0.537	0.963	1164.887	60.472
9.800	322.207	120.792	0.548	0.952	1164.898	62.860
10.000	328.783	123.970	0.559	0.941	1164.909	65.296
10.200	335.359	127.170	0.570	0.930	1164.920	67.766
10.400	341.934	130.414	0.581	0.919	1164.931	70.268
10.600	348.510	133.680	0.592	0.908	1164.942	72.821
10.800	355.086	136.968	0.603	0.897	1164.953	75.407
11.000	361.661	140.300	0.614	0.886	1164.964	78.028
11.200	368.237	144.004	0.626	0.874	1164.976	80.700
11.400	374.813	147.763	0.637	0.863	1164.987	83.391
11.600	381.388	151.547	0.649	0.851	1164.999	86.134
11.800	387.964	155.355	0.660	0.840	1165.010	88.895
12.000	394.540	159.187	0.672	0.828	1165.022	91.710
12.200	401.115	163.043	0.684	0.816	1165.034	94.543
12.400	407.691	166.900	0.696	0.804	1165.046	97.396
12.600	414.267	170.781	0.708	0.792	1165.058	100.303
12.800	420.842	174.687	0.720	0.780	1165.070	103.229
13.000	427.418	178.592	0.732	0.768	1165.082	106.192
13.200	433.994	182.546	0.744	0.756	1165.094	109.194

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
13.400	440.569	186.501	0.756	0.744	1165.106	112.214
13.600	447.145	190.455	0.768	0.732	1165.118	115.274
13.800	453.721	194.821	0.780	0.720	1165.130	118.372
14.000	460.296	199.197	0.792	0.708	1165.142	121.490
14.200	466.872	203.573	0.804	0.696	1165.154	124.627
14.400	473.448	207.949	0.817	0.683	1165.167	127.785
14.600	480.023	212.325	0.829	0.671	1165.179	130.963
14.800	486.599	216.700	0.841	0.659	1165.191	134.181
15.000	493.175	221.129	0.853	0.647	1165.203	137.438
15.200	486.600	225.532	0.866	0.635	1165.216	140.637
15.400	480.024	229.748	0.877	0.623	1165.227	143.696
15.600	473.448	233.750	0.888	0.612	1165.238	146.612
15.800	466.873	237.565	0.898	0.602	1165.248	149.424
16.000	460.297	241.194	0.908	0.592	1165.258	152.108
16.200	453.721	244.662	0.918	0.582	1165.268	154.663
16.400	447.146	248.116	0.926	0.574	1165.276	157.108
16.600	440.570	251.432	0.935	0.565	1165.285	159.440
16.800	433.994	254.550	0.943	0.557	1165.293	161.638
17.000	427.419	257.498	0.950	0.550	1165.300	163.721
17.200	420.843	260.276	0.957	0.543	1165.307	165.686
17.400	414.267	262.912	0.964	0.536	1165.314	167.555
17.600	407.692	265.379	0.970	0.530	1165.320	169.304
17.800	401.116	267.675	0.976	0.524	1165.326	170.954
18.000	394.540	269.829	0.982	0.518	1165.332	172.483
18.200	387.965	271.841	0.987	0.513	1165.337	173.932
18.400	381.389	273.712	0.992	0.508	1165.342	175.258
18.600	374.813	275.441	0.996	0.504	1165.346	176.502
18.800	368.238	277.057	1.000	0.500	1165.350	177.643
19.000	361.662	281.712	1.004	0.496	1165.354	178.660
19.200	355.086	288.607	1.007	0.493	1165.357	179.508
19.400	348.511	294.249	1.009	0.491	1165.359	180.208
19.600	341.935	298.950	1.011	0.489	1165.361	180.782
19.800	335.359	302.711	1.013	0.487	1165.363	181.229
20.000	328.784	305.532	1.014	0.486	1165.364	181.548
20.200	322.208	307.569	1.014	0.486	1165.364	181.783
20.400	315.632	308.823	1.015	0.485	1165.365	181.889
20.600	309.057	309.293	1.015	0.485	1165.365	181.910
20.800	302.481	309.137	1.015	0.485	1165.365	181.868
21.000	295.905	308.666	1.014	0.486	1165.364	181.761
21.200	289.330	307.569	1.014	0.486	1165.364	181.570
21.400	282.754	306.002	1.013	0.487	1165.363	181.335
21.600	276.179	303.965	1.012	0.488	1165.362	181.038
21.800	269.603	301.614	1.011	0.489	1165.361	180.676
22.000	263.027	298.794	1.009	0.491	1165.359	180.272
22.200	256.452	295.659	1.008	0.492	1165.358	179.826
22.400	249.876	292.212	1.006	0.494	1165.356	179.338
22.600	243.300	288.451	1.004	0.496	1165.354	178.829
22.800	236.725	284.533	1.002	0.498	1165.352	178.278
23.000	230.149	280.458	1.000	0.500	1165.350	177.707
23.200	223.573	277.482	0.998	0.502	1165.348	177.094
23.400	216.998	276.604	0.996	0.504	1165.346	176.418
23.600	210.422	275.668	0.993	0.507	1165.343	175.679
23.800	203.846	274.619	0.990	0.510	1165.340	174.858
24.000	197.271	273.486	0.987	0.513	1165.337	173.995
24.200	190.695	272.267	0.984	0.516	1165.334	173.050
24.400	184.119	270.934	0.980	0.520	1165.330	172.043
24.600	177.544	269.545	0.976	0.524	1165.326	170.975
24.800	170.968	268.043	0.972	0.528	1165.322	169.847
25.000	164.392	266.484	0.968	0.532	1165.318	168.658
25.200	157.817	264.812	0.964	0.536	1165.314	167.409
25.400	151.241	263.083	0.959	0.541	1165.309	166.101
25.600	144.665	261.240	0.954	0.546	1165.304	164.734
25.800	138.090	259.341	0.949	0.551	1165.299	163.308
26.000	131.514	257.357	0.944	0.556	1165.294	161.844
26.200	124.938	255.287	0.938	0.562	1165.288	160.302
26.400	118.363	253.133	0.932	0.568	1165.282	158.723
26.600	111.787	250.894	0.926	0.574	1165.276	157.087
26.800	105.211	248.598	0.920	0.580	1165.270	155.396
27.000	98.636	246.217	0.914	0.586	1165.264	153.668
27.200	92.060	243.835	0.907	0.593	1165.257	151.886
27.400	85.484	241.461	0.901	0.599	1165.251	150.048
27.600	78.909	238.979	0.894	0.606	1165.244	148.157
27.800	72.333	236.445	0.886	0.614	1165.236	146.212
28.000	65.757	233.830	0.879	0.621	1165.229	144.234
28.200	59.182	231.135	0.871	0.629	1165.221	142.204
28.400	52.606	228.387	0.864	0.636	1165.214	140.122
28.600	46.030	225.559	0.856	0.644	1165.206	138.009
28.800	39.455	222.650	0.847	0.653	1165.197	135.846
29.000	32.879	219.689	0.839	0.661	1165.189	133.633
29.200	26.303	216.647	0.830	0.670	1165.180	131.391
29.400	19.728	213.525	0.822	0.678	1165.172	129.101
29.600	13.152	210.350	0.813	0.687	1165.163	126.763
29.800	6.576	207.095	0.804	0.696	1165.154	124.397

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m³)
1	2	3	4	5	6	7
30.000	0.001	203.760	0.794	0.706	1165.144	121.986
30.200	0.000	200.371	0.785	0.715	1165.135	119.567
30.400	0.000	197.009	0.775	0.725	1165.125	117.198
30.600	0.000	193.701	0.766	0.734	1165.116	114.860
30.800	0.000	190.430	0.757	0.743	1165.107	112.570
31.000	0.000	187.452	0.748	0.752	1165.098	110.310
31.200	0.000	184.523	0.739	0.761	1165.089	108.080
31.400	0.000	181.619	0.730	0.770	1165.080	105.897
31.600	0.000	178.738	0.722	0.778	1165.072	103.743
31.800	0.000	175.907	0.713	0.787	1165.063	101.617
32.000	0.000	173.100	0.705	0.795	1165.055	99.538
32.200	0.000	170.317	0.696	0.804	1165.046	97.486
32.400	0.000	167.584	0.688	0.812	1165.038	95.462
32.600	0.000	164.874	0.680	0.820	1165.030	93.483
32.800	0.000	162.189	0.672	0.829	1165.022	91.531
33.000	0.000	159.553	0.663	0.837	1165.013	89.606
33.200	0.000	156.941	0.656	0.844	1165.006	87.725
33.400	0.000	154.354	0.648	0.852	1164.998	85.869
33.600	0.000	151.815	0.640	0.860	1164.990	84.040
33.800	0.000	149.301	0.632	0.868	1164.982	82.253
34.000	0.000	146.811	0.625	0.875	1164.975	80.474
34.200	0.000	144.346	0.617	0.883	1164.967	78.738
34.400	0.000	141.905	0.610	0.890	1164.960	77.026
34.600	0.000	139.620	0.603	0.897	1164.953	75.338
34.800	0.000	137.494	0.596	0.904	1164.946	73.692
35.000	0.000	135.390	0.588	0.912	1164.938	72.053
35.200	0.000	133.308	0.581	0.919	1164.931	70.455
35.400	0.000	131.247	0.575	0.925	1164.925	68.880
35.600	0.000	129.231	0.568	0.932	1164.918	67.328
35.800	0.000	127.214	0.561	0.939	1164.911	65.799
36.000	0.000	125.241	0.554	0.946	1164.904	64.293
36.200	0.000	123.269	0.548	0.952	1164.898	62.810
36.400	0.000	121.340	0.541	0.959	1164.891	61.349
36.600	0.000	119.411	0.535	0.965	1164.885	59.910
36.800	0.000	117.526	0.528	0.972	1164.878	58.494
37.000	0.000	115.641	0.522	0.978	1164.872	57.099
37.200	0.000	113.800	0.516	0.984	1164.866	55.726
37.400	0.000	111.958	0.509	0.991	1164.859	54.374
37.600	0.000	110.161	0.503	0.997	1164.853	53.044
37.800	0.000	108.386	0.497	1.003	1164.847	51.752
38.000	0.000	106.632	0.491	1.009	1164.841	50.474
38.200	0.000	104.879	0.485	1.015	1164.835	49.212
38.400	0.000	103.125	0.480	1.020	1164.830	47.965
38.600	0.000	101.372	0.474	1.026	1164.824	46.735
38.800	0.000	99.640	0.468	1.032	1164.818	45.550
39.000	0.000	97.930	0.462	1.038	1164.812	44.380
39.200	0.000	96.221	0.456	1.044	1164.806	43.225
39.400	0.000	94.657	0.450	1.050	1164.800	42.085
39.600	0.000	93.163	0.445	1.055	1164.795	40.960
39.800	0.000	91.669	0.439	1.061	1164.789	39.852
40.000	0.000	90.174	0.433	1.067	1164.783	38.760
40.200	0.000	88.680	0.427	1.073	1164.777	37.684
40.400	0.000	87.186	0.421	1.079	1164.771	36.625
40.600	0.000	85.711	0.416	1.084	1164.766	35.608
40.800	0.000	84.255	0.410	1.090	1164.760	34.607
41.000	0.000	82.799	0.404	1.096	1164.754	33.621
41.200	0.000	81.343	0.399	1.101	1164.749	32.651
41.400	0.000	79.887	0.393	1.107	1164.743	31.696
41.600	0.000	78.431	0.387	1.113	1164.737	30.756
41.800	0.000	76.975	0.382	1.118	1164.732	29.831
42.000	0.000	75.519	0.376	1.124	1164.726	28.921
42.200	0.000	74.063	0.370	1.130	1164.720	28.026
42.400	0.000	72.607	0.365	1.135	1164.715	27.146
42.600	0.000	71.151	0.359	1.141	1164.709	26.281
42.800	0.000	69.714	0.354	1.146	1164.704	25.453
43.000	0.000	68.296	0.348	1.152	1164.698	24.640
43.200	0.000	66.879	0.343	1.157	1164.693	23.840
43.400	0.000	65.461	0.337	1.163	1164.687	23.055
43.600	0.000	64.043	0.332	1.168	1164.682	22.283
43.800	0.000	62.626	0.326	1.174	1164.676	21.525
44.000	0.000	61.208	0.321	1.179	1164.671	20.781
44.200	0.000	59.810	0.315	1.185	1164.665	20.071
44.400	0.000	58.430	0.310	1.190	1164.660	19.373
44.600	0.000	57.051	0.304	1.196	1164.654	18.689
44.800	0.000	55.790	0.299	1.201	1164.649	18.018
45.000	0.000	54.624	0.294	1.206	1164.644	17.360
45.200	0.000	53.458	0.288	1.212	1164.638	16.714
45.400	0.000	52.292	0.283	1.217	1164.633	16.081
45.600	0.000	51.126	0.278	1.222	1164.628	15.462
45.800	0.000	49.960	0.272	1.228	1164.622	14.855
46.000	0.000	48.794	0.267	1.233	1164.617	14.268
46.200	0.000	47.661	0.262	1.238	1164.612	13.703
46.400	0.000	46.527	0.257	1.243	1164.607	13.149

TEMPO (min)	VAZÃO DE ENTRADA (l/s)	VAZÃO DE SAÍDA (l/s)	PROFUND. (m)	FREEBOARD (m)	NA (m)	VOLUME (m ³)
1	2	3	4	5	6	7
46.600	0.000	45.393	0.251	1.249	1164.601	12.608
46.800	0.000	44.260	0.246	1.254	1164.596	12.078
47.000	0.000	43.126	0.241	1.259	1164.591	11.561
47.200	0.000	41.993	0.236	1.264	1164.586	11.055
47.400	0.000	40.859	0.231	1.269	1164.581	10.560
47.600	0.000	39.725	0.225	1.275	1164.575	10.078
47.800	0.000	38.592	0.220	1.280	1164.570	9.614
48.000	0.000	37.491	0.215	1.285	1164.565	9.168
48.200	0.000	36.389	0.210	1.290	1164.560	8.733
48.400	0.000	35.288	0.205	1.295	1164.555	8.309
48.600	0.000	34.187	0.200	1.300	1164.550	7.896
48.800	0.000	33.086	0.195	1.305	1164.545	7.494
49.000	0.000	32.001	0.190	1.310	1164.540	7.114
49.200	0.000	30.932	0.185	1.315	1164.535	6.745
49.400	0.000	29.863	0.180	1.320	1164.530	6.385
49.600	0.000	28.794	0.175	1.325	1164.525	6.036
49.800	0.000	27.726	0.170	1.330	1164.520	5.702
50.000	0.000	26.689	0.166	1.334	1164.516	5.382
50.200	0.000	25.653	0.161	1.339	1164.511	5.072
50.400	0.000	24.616	0.156	1.344	1164.506	4.777
50.600	0.000	23.612	0.152	1.348	1164.502	4.495
50.800	0.000	22.806	0.147	1.353	1164.497	4.222
51.000	0.000	22.102	0.142	1.358	1164.492	3.958
51.200	0.000	21.397	0.138	1.362	1164.488	3.702
51.400	0.000	20.693	0.133	1.367	1164.483	3.455
51.600	0.000	19.988	0.129	1.371	1164.479	3.217
51.800	0.000	19.284	0.124	1.376	1164.474	2.987
52.000	0.000	18.579	0.119	1.381	1164.469	2.767
52.200	0.000	17.875	0.115	1.385	1164.465	2.554
52.400	0.000	17.170	0.110	1.390	1164.460	2.351
52.600	0.000	16.466	0.106	1.394	1164.456	2.156
52.800	0.000	15.761	0.101	1.399	1164.451	1.967
53.000	0.000	15.034	0.096	1.404	1164.446	1.785
53.200	0.000	14.307	0.091	1.409	1164.441	1.611
53.400	0.000	13.579	0.087	1.413	1164.437	1.446
53.600	0.000	12.852	0.082	1.418	1164.432	1.290
53.800	0.000	12.125	0.077	1.423	1164.427	1.143
54.000	0.000	11.397	0.072	1.428	1164.422	1.005
54.200	0.000	10.670	0.067	1.433	1164.417	0.876
54.400	0.000	9.943	0.063	1.437	1164.413	0.756
54.600	0.000	9.216	0.058	1.442	1164.408	0.645
54.800	0.000	8.488	0.053	1.447	1164.403	0.543
55.000	0.000	7.761	0.048	1.452	1164.398	0.450
55.200	0.000	7.034	0.044	1.456	1164.394	0.367
55.400	0.000	6.329	0.039	1.461	1164.389	0.294
55.600	0.000	5.636	0.035	1.465	1164.385	0.231
55.800	0.000	4.966	0.030	1.470	1164.380	0.178
56.000	0.000	4.329	0.026	1.474	1164.376	0.133
56.200	0.000	3.727	0.022	1.478	1164.372	0.097
56.400	0.000	3.148	0.019	1.481	1164.369	0.068
56.600	0.000	2.614	0.015	1.485	1164.365	0.046
56.800	0.000	2.125	0.012	1.488	1164.362	0.030
57.000	0.000	1.682	0.010	1.490	1164.360	0.018
57.200	0.000	1.307	0.007	1.493	1164.357	0.011
57.400	0.000	0.989	0.006	1.494	1164.356	0.006
57.600	0.000	0.727	0.004	1.496	1164.354	0.003
57.800	0.000	0.511	0.003	1.497	1164.353	0.002
58.000	0.000	0.364	0.002	1.498	1164.352	0.001
58.200	0.000	0.250	0.001	1.499	1164.351	0.000
58.400	0.000	0.170	0.001	1.499	1164.351	0.000
58.600	0.000	0.114	0.001	1.499	1164.351	0.000
58.800	0.000	0.000	0.000	1.500	1164.350	0.000

ANEXO 02 – DIMENSIONAMENTO DAS REDES



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 61 3274.3299

RD-01A

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO			ÁREA DE CONT.	C	C*A	C*A (ACUMUL.)	TC	INTENS. DA CHUVA	MAX. VAZÃO	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR	DECLIVIDADE DO COLETOR	VEL.	LAMINA D'ÁGUA	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU	OBS
		MONT.	JUS.	EXTEN.													MONT.	JUS.	MONT.	JUS.	MONT.	JUS.		
1	2	3 (m)	4 (m)	5 (m)	6 (ha)	7	8	9	10 (min)	11 (mm/h)	12 (l/s)	13	14 (mm)	15 (%)	16 (m/s)	17 (%)	18 (m)	19 (m)	20 (m)	21 (m)	22 (m)	23 (m)	24 (m)	25
RD-01A	PV-1.1->PV-1.2	1.240,30	1.239,64	53,42	0,5058	0,90	0,4552	0,4552	15,00	142,35	177,20	CIRCULAR	600	0,50	1,45	44,59	1.240,30	1.239,53	1,38	0,88	1.238,92	1.238,65	-	Nota 01
RD-01A	PV-1.2->	1.239,64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.239,53	-	0,88	-	1.238,65	-	-	Nota 02

Nota 01 - Estrutura de montante: CCS + TCC01
 Nota 02 - Estrutura de montante: DAD3 + DEB3 / Ajustar o talude às alas da boca do BSTC / Posicionar o dissipador na cota de fundo do canal (1239,64 m).



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 01 3274 3209

RD-01B

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO			EXTEN.	ÁREA DE CONT.	C	C*A	C*A (ACUMUL.)	TC	INTENS. DA CHUVA	MAX. VAZÃO	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR	DECLIVIDADE DO COLETOR	VEL.	LAMINA D'ÁGUA	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU	OBS
		MONT.	JUS.															MONT.	JUS.	MONT.	JUS.	MONT.	JUS.		
1	2	(m)	(m)	(m)	(ha)				(min)	(mm/h)	(l/s)		(mm)	(%)	(m/s)	(%)	(m)	(m)	(m)	(m)	(m)	(m)	(m)		25
RD-01B	PV-1.1->PV-1.2	1.237,76	1.239,55	6,50	-	-	-	-	15,00	142,35	274,36	CIRCULAR	600	0,50	1,62	57,68	1.238,76	1.239,55	1,61	2,43	1.237,15	1.237,12	-	Nota 01 e 02	
RD-01B	PV-1.2->PV-1.3	1.239,55	1.238,91	33,12	-	-	-	-	15,07	142,03	273,74	CIRCULAR	600	0,50	1,62	57,60	1.239,55	1.238,91	2,43	1,95	1.237,12	1.236,95	-		
RD-01B	PV-1.3->PV-1.4	1.238,91	1.238,71	10,00	-	-	-	-	15,41	140,41	270,62	CIRCULAR	600	0,50	-	0,00	1.238,91	1.237,78	1,95	0,88	1.236,95	1.236,90	-	Nota 03	
RD-01B	PV-1.4->	1.238,71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.237,78	-	0,88	-	1.236,90	-	-		

Nota 01 - Vazão de saída da canal PO-01B (274,36 l/s).

Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1237,76 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.

Nota 03 - Estrutura de montante: DEB3 / Ajustar o talude às alas da boca do BSTC.



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 61 3274 3209

RD-02A

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO		EXTEN.	ÁREA DE CONT.	C	C*A	C*A (ACUMUL.)	TC	INTENS. DA CHUVA	MAX. VAZÃO	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR	DECLIVIDADE DO COLETOR	VEL.	LAMINA D'ÁGUA	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU	OBS	
		MONT.	JUS.														MONT.	JUS.	MONT.	JUS.	MONT.	JUS.			
1	2	(m)	(m)	(m)	(ha)				(min)	(mm/h)	(l/s)		(mm)	(%)	(m/s)	(%)	(m)	(m)	(m)	(m)	(m)	(m)	(m)		25
RD-02A	PV-1.1->PV-1.2	1.235,85	1.237,42	6,50	-	-	-	-	15,00	142,35	219,61	CIRCULAR	600	0,50	1,54	50,34	1.236,85	1.237,42	1,60	2,20	1.235,25	1.235,22	0,00	Nota 01 e 02	
RD-02A	PV-1.2->PV-1.3	1.237,42	1.236,93	33,09	-	-	-	-	15,07	142,01	219,09	CIRCULAR	600	0,50	1,54	50,27	1.237,42	1.236,93	2,20	1,88	1.235,22	1.235,05	-		
RD-02A	PV-1.3->PV-1.4	1.236,93	1.236,71	10,00	-	-	-	-	15,43	140,31	216,46	CIRCULAR	600	0,50	-	0,00	1.236,93	1.235,88	1,88	0,88	1.235,05	1.235,00	-	Nota 03	
RD-02A	PV-1.4->	1.236,71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.235,88	-	0,88	-	1.235,00	-	-		

Nota 01 - Vazão de saída da canal PO-02A (219,61 l/s).

Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1235,85 m), prever abertura de 20 x 100 cm na lateral da estrutura conforme indicado no detalhamento.

Nota 03 - Estrutura de montante: DEB3 / Ajustar o talude às alas da boca do BSTC.



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 61 3274 3299

RD-03A

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO		EXTEN. (m)	ÁREA DE CONT. (ha)	C	C*A	C*A (ACUMUL.)	TC (min)	INTENS. DA CHUVA (mm/h)	MAX. VAZÃO (l/s)	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR (mm)	DECLIVIDADE DO COLETOR (%)	VEL. (m/s)	LAMINA D'ÁGUA (%)	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU (m)	OBS
		MONT. (m)	JUS. (m)														MONT. (m)	JUS. (m)	MONT. (m)	JUS. (m)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
RD-03A	PV-1.1->PV-1.2	1.233,96	1.235,71	6,50	-	-	-	-	15,00	142,35	200,05	CIRCULAR	600	0,50	1,50	47,67	1.234,96	1.235,71	1,60	2,38	1.233,36	1.233,33	-	Nota 01 e 02
RD-03A	PV-1.2->PV-1.3	1.235,71	1.234,86	33,12	-	-	-	-	15,07	142,00	199,56	CIRCULAR	600	0,50	1,50	47,61	1.235,71	1.234,86	2,38	1,70	1.233,33	1.233,16	-	
RD-03A	PV-1.3->PV-1.4	1.234,86	1.234,79	10,00	-	-	-	-	15,44	140,26	197,11	CIRCULAR	600	0,50	-	0,00	1.234,86	1.233,99	1,70	0,88	1.233,16	1.233,11	-	
RD-03A	PV-1.4->	1.234,79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.233,99	-	0,88	-	1.233,11	-	-	Nota 03

Nota 01 - Vazão de saída da canal PO-03A (200,05 l/s).
 Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1233,96 m), prever abertura de 20 x 100 cm na lateral da estrutura conforme indicado no detalhamento.
 Nota 03 - Estrutura de montante: DEB3 / Ajustar o talude às alas da boca do BSTC.



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 61 3274 3209

RD-04A

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO		EXTEN.	ÁREA DE CONT.	C	C*A	C*A (ACUMUL.)	TC	INTENS. DA CHUVA	MAX. VAZÃO	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR	DECLIVIDADE DO COLETOR	VEL.	LAMINA D'ÁGUA	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU	OBS	
		MONT.	JUS.														MONT.	JUS.	MONT.	JUS.	MONT.	JUS.			
1	2	(m)	(m)	(m)	(ha)				(min)	(mm/h)	(l/s)		(mm)	(%)	(m/s)	(%)	(m)	(m)	(m)	(m)	(m)	(m)	(m)		25
RD-04A	PV-1.1->PV-1.2	1.232,16	1.232,50	11,70	-	-	-	-	15,00	142,35	235,32	CIRCULAR	600	1,28	2,22	40,10	1.233,16	1.232,28	1,61	0,88	1.231,55	1.231,40	-	-	Nota 01 e 02
RD-04A	PV-1.2->	1.232,50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.232,28	-	0,88	-	1.231,40	-	-	-	Nota 03

Nota 01 - Vazão de saída da canal PO-04A (235,32 l/s).

Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1232,16 m), prever abertura de 20 x 100 cm na lateral da estrutura conforme indicado no detalhamento.

Nota 03 - Estrutura de montante: DAD3 + DEB3 / Ajustar o talude às alas da boca do BSTC / Posicionar o dissipador na cotal de fundo do canal (1232,5 m).



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 01 3274 3209

RD-04B

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO			EXTEN.	ÁREA DE CONT.	C	C*A	C*A (ACUMUL.)	TC	INTENS. DA CHUVA	MAX. VAZÃO	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR	DECLIVIDADE DO COLETOR	VEL.	LAMINA D'ÁGUA	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU	OBS
		MONT.	JUS.																MONT.	JUS.	MONT.	JUS.			
1	2	3 (m)	4 (m)	5 (m)	6 (ha)	7	8	9	10 (min)	11 (mm/h)	12 (l/s)	13	14 (mm)	15 (%)	16 (m/s)	17 (%)	18 (m)	19 (m)	20 (m)	21 (m)	22 (m)	23 (m)	24 (m)	25	
RD-04B	PV-1.1->PV-1.2	1.230,70	1.231,89	8,00	-	-	-	-	15,00	142,35	226,49	CIRCULAR	600	0,50	1,55	51,27	1.231,70	1.231,89	1,60	1,83	1.230,10	1.230,06	0,00	Nota 01 e 02	
RD-04B	PV-1.2->PV-1.3	1.231,89	1.231,48	33,10	-	-	-	-	15,09	141,94	225,83	CIRCULAR	600	0,50	1,55	51,18	1.231,89	1.231,48	1,83	1,58	1.230,06	1.229,89	-		
RD-04B	PV-1.3->PV-1.4	1.231,48	1.231,16	10,01	-	-	-	-	15,44	140,25	223,14	CIRCULAR	600	0,50	-	0,00	1.231,48	1.230,72	1,58	0,88	1.229,89	1.229,84	-		
RD-04B	PV-1.4->	1.231,16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.230,72	-	0,88	-	1.229,84	-	-	Nota 03	

Nota 01 - Vazão de saída da canal PO-04B (226,49 l/s).

Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1230,7 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.

Nota 03 - Estrutura de montante: DEB3 / Ajustar o talude às alas da boca do BSTC.



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 01 3274.3209

RD-05A

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO			EXTEN. (m)	ÁREA DE CONT. (ha)	C	C*A	C*A (ACUMUL.)	TC (min)	INTENS. DA CHUVA (mm/h)	MAX. VAZÃO (l/s)	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR (mm)	DECLIVIDADE DO COLETOR (%)	VEL. (m/s)	LAMINA D'ÁGUA (%)	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU (m)	OBS
		MONT. (m)	JUS. (m)	JUS. (m)														MONT. (m)	MONT. (m)	JUS. (m)	MONT. (m)	JUS. (m)			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
RD-05A	PV-1.1->PV-1.2	1.229,01	1.230,50	6,50	-	-	-	-	15,00	142,35	147,01	CIRCULAR	600	0,50	1,39	40,10	1.230,01	1.230,50	1,61	2,13	1.228,40	1.228,37	-	Nota 01 e 02	
RD-05A	PV-1.2->PV-1.3	1.230,50	1.229,47	33,10	-	-	-	-	15,08	141,97	146,62	CIRCULAR	600	0,50	1,39	40,05	1.230,50	1.229,47	2,13	1,27	1.228,37	1.228,20	-		
RD-05A	PV-1.3->PV-1.4	1.229,47	1.229,35	10,00	-	-	-	-	15,48	140,09	144,67	CIRCULAR	600	0,50	-	0,00	1.229,47	1.229,03	1,27	0,88	1.228,20	1.228,15	-		
RD-05A	PV-1.4->	1.229,35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.229,03	-	0,88	-	1.228,15	-	-	Nota 03	

Nota 01 - Vazão de saída da canal PO-05A (147,01 l/s).

Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1229,01 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.

Nota 03 - Estrutura de montante: DEB3 / Ajustar o talude às alas da boca do BSTC.

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO		EXTEN. (m)	ÁREA DE CONT. (ha)	C	C*A	C*A (ACUMUL.)	TC (min)	INTENS. DA CHUVA (mm/h)	MAX. VAZÃO (l/s)	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR (mm)	DECLIVIDADE DO COLETOR (%)	VEL. (m/s)	LAMINA D'ÁGUA (%)	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU (m)	OBS
		MONT. (m)	JUS. (m)														MONT. (m)	JUS. (m)	MONT. (m)	JUS. (m)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
RD-06A	PV-1.1->PV-1.2	1.214,75	1.213,84	11,61	-	-	-	-	15,00	142,35	556,34	CIRCULAR	600	2,58	3,60	53,72	1.215,75	1.214,03	2,30	0,88	1.213,45	1.213,15	-	Nota 01 e 02
RD-06A	PV-1.2->	1.213,84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.214,03	-	0,88	-	1.213,15	-	-	Nota 03

Nota 01 - Vazão de saída da canal PO-06A (556,34 l/s).

Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1214,75 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.

Nota 03 - Estrutura de montante: DAD3 + DEB3 / Ajustar o talude às alas da boca do BSTC / Posicionar o dissipador na cotal de fundo do canal (1213,84 m).



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 61 3274 3209

RD-06B

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO			EXTEN. (m)	ÁREA DE CONT. (ha)	C	C*A	C*A (ACUMUL.)	TC (min)	INTENS. DA CHUVA (mm/h)	MAX. VAZÃO (l/s)	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR (mm)	DECLIVIDADE DO COLETOR (%)	VEL. (m/s)	LAMINA D'ÁGUA (%)	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU (m)	OBS	
		MONT. (m)	JUS. (m)	MONT. (m)														JUS. (m)	MONT. (m)	JUS. (m)	MONT. (m)	JUS. (m)				
		3	4	5														6	7	8	9	10	11			12
RD-06B	PV-1.1->PV-1.2	1.211,95	1.211,59	11,61	-	-	-	-	15,00	142,35	525,65	CIRCULAR	600	1,72	3,04	58,86	1.212,95	1.211,78	1,85	0,88	1.211,10	1.210,90	-	Nota 01 e 02		
RD-06B	PV-1.2->	1.211,59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.211,78	-	0,88	-	1.210,90	-	-	Nota 03		

Nota 01 - Vazão de saída da canal PO-06B (525,65 l/s).
 Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1211,95 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.
 Nota 03 - Estrutura de montante: DAD3 + DEB3 / Ajustar o talude às alas da boca do BSTC / Posicionar o dissipador na cotal de fundo do canal (1211,59 m).



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 01 3274 3209

RD-06C

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO		EXTEN.	ÁREA DE CONT.	C	C*A	C*A (ACUMUL.)	TC	INTENS. DA CHUVA	MAX. VAZÃO	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR	DECLIVIDADE DO COLETOR	VEL.	LAMINA D'ÁGUA	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU	OBS	
		MONT.	JUS.														MONT.	JUS.	MONT.	JUS.	MONT.	JUS.			
1	2	(m)	(m)	(m)	(ha)				(min)	(mm/h)	(l/s)		(mm)	(%)	(m/s)	(%)	(m)	(m)	(m)	(m)	(m)	(m)	(m)		25
RD-06C	PV-1.1->PV-1.2	1.209,71	1.210,91	6,50	-	-	-	-	15,00	142,35	227,56	CIRCULAR	600	0,50	1,55	51,42	1.210,71	1.210,91	1,61	1,84	1.209,10	1.209,07	-	Nota 01 e 02	
RD-06C	PV-1.2->PV-1.3	1.210,91	1.210,11	33,10	-	-	-	-	15,07	142,01	227,02	CIRCULAR	600	0,50	1,55	51,34	1.210,91	1.210,11	1,84	1,21	1.209,07	1.208,90	-		
RD-06C	PV-1.3->PV-1.4	1.210,11	1.209,94	10,00	-	-	-	-	15,43	140,33	224,32	CIRCULAR	600	0,50	1,55	50,98	1.210,11	1.209,73	1,21	0,88	1.208,90	1.208,85	-		
RD-06C	PV-1.4->	1.209,94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.209,73	-	0,88	-	1.208,85	-	-	Nota 03	

Nota 01 - Vazão de saída da canal PO-06C (227,56 l/s).

Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1209,71 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.

Nota 03 - Estrutura de montante: DAD3 + DEB3 / Ajustar o talude às alas da boca do BSTC / Posicionar o dissipador na cotal de fundo do canal (1209,94 m).



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 61 3274 3299

RD-07A

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO		EXTEN. (m)	ÁREA DE CONT. (ha)	C	C*A	C*A (ACUMUL.)	TC (min)	INTENS. DA CHUVA (mm/h)	MAX. VAZÃO (l/s)	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR (mm)	DECLIVIDADE DO COLETOR (%)	VEL. (m/s)	LAMINA D'ÁGUA (%)	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU (m)	OBS
		MONT. (m)	JUS. (m)														MONT. (m)	JUS. (m)	MONT. (m)	JUS. (m)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
RD-07A	PV-1.1->PV-1.2	1.203,90	1.203,89	11,61	-	-	-	-	15,00	142,35	189,76	CIRCULAR	600	1,72	2,33	33,02	1.204,90	1.203,98	1,60	0,88	1.203,30	1.203,10	(0,00)	Nota 01 e 02
RD-07A	PV-1.2->	1.203,89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.203,98	-	0,88	-	1.203,10	-	-	Nota 03

Nota 01 - Vazão de saída da canal PO-07A (189,76 l/s).

Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1203,9 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.

Nota 03 - Estrutura de montante: DAD3 + DEB3 / Ajustar o talude às alas da boca do BSTC / Posicionar o dissipador na cotal de fundo do canal (1203,89 m).



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 61 3274 3299

RD-07B

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO		EXTEN.	ÁREA DE CONT.	C	C*A	C*A (ACUMUL.)	TC	INTENS. DA CHUVA	MAX. VAZÃO	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR	DECLIVIDADE DO COLETOR	VEL.	LAMINA D'ÁGUA	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU	OBS		
		MONT.	JUS.														MONT.	JUS.	MONT.	JUS.	MONT.	JUS.				
1	2	(m)	(m)	(m)	(ha)				(min)	(mm/h)	(l/s)		(mm)	(%)	(m/s)	(%)	(m)	(m)	(m)	(m)	(m)	(m)	(m)		25	
RD-07B	PV-1.1->PV-1.2	1.202,00	1.201,44	11,61	-	-	-	-	15,00	142,35	96,44	CIRCULAR	600	3,88	2,56	19,10	1.203,00	1.201,63	1,80	0,88	1.201,20	1.200,75	-	-	Nota 01 e 02	
RD-07B	PV-1.2->	1.201,44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.201,63	-	0,88	-	1.200,75	-	-	-	Nota 03	

Nota 01 - Vazão de saída da canal PO-07B (96,44 l/s).
 Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1202 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.
 Nota 03 - Estrutura de montante: DAD3 + DEB3 / Ajustar o talude às alas da boca do BSTC / Posicionar o dissipador na cotal de fundo do canal (1201,44 m).



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 01 3274 3200

RD-000

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO			EXTEN.	ÁREA DE CONT.	C	C*A	C*A (ACUMUL.)	TC	INTENS. DA CHUVA	MAX. VAZÃO	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR	DECLIVIDADE DO COLETOR	VEL.	LAMINA D'ÁGUA	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU	OBS
		MONT.	JUS.																MONT.	JUS.	MONT.	JUS.			
1	2	(m)	(m)	(m)	(ha)				(min)	(mm/h)	(l/s)		(mm)	(%)	(m/s)	(%)	(m)	(m)	(m)	(m)	(m)	(m)	(m)		25
RD-000	PV-1.1->PV-1.2	1.199,55	1.200,97	6,50	-	-	-	-	15,00	142,35	132,06	CIRCULAR	600	0,50	1,35	37,84	1.200,55	1.200,97	1,60	2,05	1.198,95	1.198,92	-	Nota 01 e 02	
RD-000	PV-1.2->PV-1.3	1.200,97	1.200,32	33,10	-	-	-	-	15,08	141,96	131,70	CIRCULAR	600	0,50	1,35	37,78	1.200,97	1.200,32	2,05	1,57	1.198,92	1.198,75	-		
RD-000	PV-1.3->PV-1.4	1.200,32	1.199,96	10,00	-	-	-	-	15,49	140,02	129,90	CIRCULAR	600	0,50	1,34	37,50	1.200,32	1.199,58	1,57	0,88	1.198,75	1.198,70	-		
RD-000	PV-1.4->	1.199,96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.199,58	-	0,88	-	1.198,70	-	-	Nota 03	

Nota 01 - Vazão de saída da canal PO-000 (132,06 l/s).

Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1199,55 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.

Nota 03 - Estrutura de montante: DEB3 / Ajustar o talude às alas da boca do BSTC.



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 01 3274 3299

RD-000

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO		EXTEN. (m)	ÁREA DE CONT. (ha)	C	C*A	C*A (ACUMUL.)	TC (min)	INTENS. DA CHUVA (mm/h)	MAX. VAZÃO (l/s)	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR (mm)	DECLIVIDADE DO COLETOR (%)	VEL. (m/s)	LAMINA D'ÁGUA (%)	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU (m)	OBS
		MONT. (m)	JUS. (m)														MONT. (m)	JUS. (m)	MONT. (m)	JUS. (m)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
RD-000	PV-1.1->PV-1.2	1.194,65	1.193,99	11,61	-	-	-	-	15,00	142,35	43,67	CIRCULAR	600	1,72	1,52	15,81	1.195,65	1.194,18	2,15	0,88	1.193,50	1.193,30	(0,00)	Nota 01 e 02
RD-000	PV-1.2->	1.193,99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.194,18	-	0,88	-	1.193,30	-	-	Nota 03

Nota 01 - Vazão de saída da canal PO-000 (43,67 l/s).

Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1194,65 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.

Nota 03 - Estrutura de montante: DAD3 + DEB3 / Ajustar o talude às alas da boca do BSTC / Posicionar o dissipador na cotal de fundo do canal (1193,99 m).



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASILIA - DF FONE 01 3274.3200

RD-08B

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO			EXTEN.	ÁREA DE CONT.	C	C*A	C*A (ACUMUL.)	TC	INTENS. DA CHUVA	MAX. VAZÃO	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR	DECLIVIDADE DO COLETOR	VEL.	LAMINA D'ÁGUA	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU	OBS		
		MONT.	JUS.															MONT.	JUS.	MONT.	JUS.	MONT.	JUS.				
1	2	(m)	(m)	(m)	(ha)				(min)	(mm/h)	(l/s)		(mm)	(%)	(m/s)	(%)	(m)	(m)	(m)	(m)	(m)	(m)	(m)		25		
RD-08B	PV-1.1->PV-1.2	1.192,10	1.191,49	11,61	-	-	-	-	15,00	142,35	40,87	CIRCULAR	600	1,72	1,49	15,31	1.193,10	1.191,68	2,10	0,88	1.191,00	1.190,80	(0,00)		Nota 01 e 02		
RD-08B	PV-1.2->	1.191,49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.191,68	-	0,88	-	1.190,80	-	-		Nota 03		

Nota 01 - Vazão de saída da canal PO-08B (40,87 l/s).
 Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1192,1 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.
 Nota 03 - Estrutura de montante: DAD3 + DEB3 / Ajustar o talude às alas da boca do BSTC / Posicionar o dissipador na cotal de fundo do canal (1191,49 m).



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 61 3274.3209

RD-000

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO		EXTEN.	ÁREA DE CONT.	C	C*A	C*A (ACUMUL.)	TC	INTENS. DA CHUVA	MAX. VAZÃO	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR	DECLIVIDADE DO COLETOR	VEL.	LAMINA D'ÁGUA	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU	OBS	
		MONT.	JUS.														MONT.	JUS.	MONT.	JUS.	MONT.	JUS.			
1	2	3 (m)	4 (m)	5 (m)	6 (ha)	7	8	9	10 (min)	11 (mm/h)	12 (l/s)	13	14 (mm)	15 (%)	16 (m/s)	17 (%)	18 (m)	19 (m)	20 (m)	21 (m)	22 (m)	23 (m)	24 (m)	25	
RD-000	PV-1.1->PV-1.2	1.189,60	1.190,93	6,50	-	-	-	-	15,00	142,35	118,40	CIRCULAR	600	0,50	1,31	35,68	1.190,60	1.190,93	1,60	1,96	1.189,00	1.188,97	-	Nota 01 e 02	
RD-000	PV-1.2->PV-1.3	1.190,93	1.189,70	33,10	-	-	-	-	15,08	141,95	118,07	CIRCULAR	600	0,50	1,31	35,63	1.190,93	1.189,70	1,96	0,90	1.188,97	1.188,80	-		
RD-000	PV-1.3->PV-1.4	1.189,70	1.189,41	10,00	-	-	-	-	15,51	139,95	116,40	CIRCULAR	600	0,50	1,30	35,36	1.189,70	1.189,63	0,90	0,88	1.188,80	1.188,75	-		
RD-000	PV-1.4->	1.189,41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.189,63	-	0,88	-	1.188,75	-	-	Nota 03	

Nota 01 - Vazão de saída da canal PO-000 (118,4 l/s).

Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1189,6 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.

Nota 03 - Estrutura de montante: DEB3 / Ajustar o talude às alas da boca do BSTC.



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 61 3274 3209

RD-09A

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO		EXTEN.	ÁREA DE CONT.	C	C*A	C*A (ACUMUL.)	TC	INTENS. DA CHUVA	MAX. VAZÃO	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR	DECLIVIDADE DO COLETOR	VEL.	LAMINA D'ÁGUA	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU	OBS		
		MONT.	JUS.														MONT.	JUS.	MONT.	JUS.	MONT.	JUS.				
1	2	(m)	(m)	(m)	(ha)				(min)	(mm/h)	(l/s)		(mm)	(%)	(m/s)	(%)	(m)	(m)	(m)	(m)	(m)	(m)	(m)		25	
RD-09A	PV-1.1->PV-1.2	1.183,65	1.183,44	11,61	-	-	-	-	15,00	142,35	31,49	CIRCULAR	600	1,72	1,38	13,50	1.184,65	1.183,63	1,70	0,88	1.182,95	1.182,75	(0,00)		Nota 01 e 02	
RD-09A	PV-1.2->	1.183,44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.183,63	-	0,88	-	1.182,75	-	-		Nota 03	

Nota 01 - Vazão de saída da canal PO-09A (31,49 l/s).
 Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1183,65 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.
 Nota 03 - Estrutura de montante: DAD3 + DEB3 / Ajustar o talude às alas da boca do BSTC / Posicionar o dissipador na cotal de fundo do canal (1183,44 m).



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 01 3274 3209

RD-09B

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IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO			EXTEN.	ÁREA DE CONT.	C	C*A	C*A (ACUMUL.)	TC	INTENS. DA CHUVA	MAX. VAZÃO	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR	DECLIVIDADE DO COLETOR	VEL.	LAMINA D'ÁGUA	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU	OBS	
		MONT.	JUS.															MONT.	JUS.	MONT.	JUS.	MONT.	JUS.			
1	2	(m) 3	(m) 4	(m) 5	(ha) 6				(min) 10	(mm/h) 11	(l/s) 12		(mm) 14	(%) 15	(m/s) 16	(%) 17	(m) 18	(m) 19	(m) 20	(m) 21	(m) 22	(m) 23	(m) 24	25		
RD-09B	PV-1.1->PV-1.2	1.181,55	1.181,14	11,61	-	-	-	-	15,00	142,35	32,38	CIRCULAR	600	1,72	1,39	13,68	1.182,55	1.181,33	1,90	0,88	1.180,65	1.180,45	-	Nota 01 e 02		
RD-09B	PV-1.2->	1.181,14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.181,33	-	0,88	-	1.180,45	-	-	Nota 03		

Nota 01 - Vazão de saída da canal PO-09B (32,38 l/s).

Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1181,55 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.

Nota 03 - Estrutura de montante: DAD3 + DEB3 / Ajustar o talude às alas da boca do BSTC / Posicionar o dissipador na cotal de fundo do canal (1181,14 m).



ARQUITETURA + URBANISMO
 CLN 107 BL. B SL. 210 - CEP 70.743-520
 BRASÍLIA - DF FONE 61 3274 3209

RD-09C

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IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO		EXTEN. (m)	ÁREA DE CONT. (ha)	C	C*A	C*A (ACUMUL.)	TC (min)	INTENS. DA CHUVA (mm/h)	MAX. VAZÃO (l/s)	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR (mm)	DECLIVIDADE DO COLETOR (%)	VEL. (m/s)	LAMINA D'ÁGUA (%)	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU (m)	OBS	
		MONT. (m)	JUS. (m)														MONT. (m)	JUS. (m)	MONT. (m)	JUS. (m)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
RD-09C	PV-1.1->PV-1.2	1.179,25	1.180,86	6,50	-	-	-	-	15,00	142,35	88,30	CIRCULAR	600	0,50	1,20	30,59	1.180,25	1.180,86	1,60	2,25	1.178,65	1.178,62	-	Nota 01 e 02	
RD-09C	PV-1.2->PV-1.3	1.180,86	1.179,02	33,10	-	-	-	-	15,09	141,92	88,03	CIRCULAR	600	0,50	1,20	30,54	1.180,86	1.179,11	2,25	0,65	1.178,62	1.178,45	-		
RD-09C	PV-1.3->PV-1.4	1.179,02	1.179,13	10,01	-	-	-	-	15,55	139,75	86,69	CIRCULAR	600	0,50	1,20	30,30	1.179,11	1.179,28	0,65	0,88	1.178,45	1.178,40	0,00		
RD-09C	PV-1.4->	1.179,13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.179,28	-	0,88	-	1.178,40	-	-	Nota 03	

Nota 01 - Vazão de saída da canal PO-09C (88,3 l/s).
 Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1179,25 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.
 Nota 03 - Estrutura de montante: DEB3 / Ajustar o talude às alas da boca do BSTC.

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO			EXTEN. (m)	ÁREA DE CONT. (ha)	C	C*A	C*A (ACUMUL.)	TC (min)	INTENS. DA CHUVA (mm/h)	MAX. VAZÃO (l/s)	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR (mm)	DECLIVIDADE DO COLETOR (%)	VEL. (m/s)	LAMINA D'ÁGUA (%)	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU (m)	OBS
		MONT. (m)	JUS. (m)	MONT. (m)														JUS. (m)	MONT. (m)	JUS. (m)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
RD-10A	PV-1.1->PV-1.2	1.176,90	1.176,74	11,61	-	-	-	-	15,00	142,35	38,62	CIRCULAR	600	1,72	1,47	14,90	1.177,90	1.176,93	1,65	0,88	1.176,25	1.176,05	(0,00)	Nota 01 e 02	
RD-10A	PV-1.2->	1.176,74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.176,93	-	0,88	-	1.176,05	-	-	Nota 03	

Nota 01 - Vazão de saída da canal PO-10A (38,62 l/s).
 Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1176,9 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.
 Nota 03 - Estrutura de montante: DAD3 + DEB3 / Ajustar o talude às alas da boca do BSTC / Posicionar o dissipador na cotal de fundo do canal (1176,74 m).



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 01 3274 3209

RD-000

DATA: 20.01.2020

IMPUT DE DADOS: 20.01.2020

VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO			EXTEN. (m)	ÁREA DE CONT. (ha)	C	C*A	C*A (ACUMUL.)	TC (min)	INTENS. DA CHUVA (mm/h)	MAX. VAZÃO (l/s)	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR (mm)	DECLIVIDADE DO COLETOR (%)	VEL. (m/s)	LAMINA D'ÁGUA (%)	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU (m)	OBS
		MONT. (m)	JUS. (m)	MONT. (m)														JUS. (m)	MONT. (m)	JUS. (m)	MONT. (m)	JUS. (m)			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
RD-000	PV-1.1->PV-1.2	1.174,85	1.176,32	6,50	-	-	-	-	15,00	142,35	121,69	CIRCULAR	600	0,50	1,32	36,21	1.175,85	1.176,32	1,60	2,10	1.174,25	1.174,22	-	Nota 01 e 02	
RD-000	PV-1.2->PV-1.3	1.176,32	1.174,78	33,10	-	-	-	-	15,08	141,95	121,35	CIRCULAR	600	0,50	1,32	36,16	1.176,32	1.174,78	2,10	0,73	1.174,22	1.174,05	-		
RD-000	PV-1.3->PV-1.4	1.174,78	1.174,58	10,01	-	-	-	-	15,50	139,97	119,65	CIRCULAR	600	0,50	1,31	35,89	1.174,78	1.174,88	0,73	0,88	1.174,05	1.174,00	-		
RD-000	PV-1.4->	1.174,58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.174,88	-	0,88	-	1.174,00	-	-	Nota 03	

Nota 01 - Vazão de saída da canal PO-000 (121,69 l/s).
 Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1174,85 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.
 Nota 03 - Estrutura de montante: DEB3 / Ajustar o talude às alas da boca do BSTC.



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 61 3274 3209

RD-11A

DATA: 20.01.2020

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VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO			EXTEN. (m)	ÁREA DE CONT. (ha)	C	C*A	C*A (ACUMUL.)	TC (min)	INTENS. DA CHUVA (mm/h)	MAX. VAZÃO (l/s)	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR (mm)	DECLIVIDADE DO COLETOR (%)	VEL. (m/s)	LAMINA D'ÁGUA (%)	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU (m)	OBS
		MONT. (m)	JUS. (m)	MONT. (m)														JUS. (m)	MONT. (m)	JUS. (m)	MONT. (m)	JUS. (m)			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
RD-11A	PV-1.1->PV-1.2	1.171,71	1.171,99	11,61	-	-	-	-	15,00	142,35	112,58	CIRCULAR	600	1,72	2,01	25,25	1.172,71	1.171,78	1,61	0,88	1.171,10	1.170,90	-	Nota 01 e 02	
RD-11A	PV-1.2->	1.171,99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.171,78	-	0,88	-	1.170,90	-	-	Nota 03	

Nota 01 - Vazão de saída da canal PO-11A (112,58 l/s).
 Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1171,71 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.
 Nota 03 - Estrutura de montante: DAD3 + DEB3 / Ajustar o talude às alas da boca do BSTC / Posicionar o dissipador na cotal de fundo do canal (1171,99 m).



ARQUITETURA + URBANISMO

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BRASÍLIA - DF FONE 01 3274 3209

RD-11B

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VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO			EXTEN.	ÁREA DE CONT.	C	C*A	C*A (ACUMUL.)	TC	INTENS. DA CHUVA	MAX. VAZÃO	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR	DECLIVIDADE DO COLETOR	VEL.	LAMINA D'ÁGUA	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU	OBS
		MONT.	JUS.																MONT.	JUS.	MONT.	JUS.			
1	2	(m)	(m)	(m)	(ha)				(min)	(mm/h)	(l/s)		(mm)	(%)	(m/s)	(%)	(m)	(m)	(m)	(m)	(m)	(m)	(m)		25
RD-11B	PV-1.1->PV-1.2	1.170,11	1.171,54	6,50	-	-	-	-	15,00	142,35	132,74	CIRCULAR	600	0,50	1,35	37,94	1.170,16	1.171,54	0,65	2,07	1.169,50	1.169,47	-	Nota 01 e 02	
RD-11B	PV-1.2->PV-1.3	1.171,54	1.170,25	33,10	-	-	-	-	15,08	141,96	132,38	CIRCULAR	600	0,50	1,35	37,88	1.171,54	1.170,25	2,07	0,95	1.169,47	1.169,30	-		
RD-11B	PV-1.3->PV-1.4	1.170,25	1.169,99	10,01	-	-	-	-	15,49	140,02	130,57	CIRCULAR	600	0,50	1,34	37,60	1.170,25	1.170,13	0,95	0,88	1.169,30	1.169,25	-		
RD-11B	PV-1.4->	1.169,99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.170,13	-	0,88	-	1.169,25	-	-	Nota 03	

Nota 01 - Vazão de saída da canal PO-11B (132,74 l/s).

Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1170,11 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.

Nota 03 - Estrutura de montante: DEB3 / Ajustar o talude às alas da boca do BSTC.



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
BRASÍLIA - DF FONE 01 3274 3200

RD-12A

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VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO			EXTEN. (m)	ÁREA DE CONT. (ha)	C	C*A	C*A (ACUMUL.)	TC (min)	INTENS. DA CHUVA (mm/h)	MAX. VAZÃO (l/s)	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR (mm)	DECLIVIDADE DO COLETOR (%)	VEL. (m/s)	LAMINA D'ÁGUA (%)	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU (m)	OBS
		MONT. (m)	JUS. (m)	EXTEN. (m)														MONT. (m)	JUS. (m)	MONT. (m)	JUS. (m)	MONT. (m)	JUS. (m)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
RD-12A	PV-1.1->PV-1.2	1.165,91	1.164,90	75,44	-	-	-	-	15,00	142,35	309,29	CIRCULAR	600	0,75	1,95	54,76	1.165,91	1.164,90	2,17	1,73	1.163,74	1.163,17	-	Nota 01 e 02	
RD-12A	PV-1.2->PV-1.3	1.164,90	1.163,51	73,76	0,1378 0,0494 0,0884	0,42 0,90 0,15	0,0577	0,0577	15,64	139,30	325,02	CIRCULAR	600	1,00	2,20	51,72	1.164,90	1.163,51	1,73	1,08	1.163,17	1.162,44	-		
RD-12A	PV-1.3->PV-1.4	1.163,51	1.162,67	9,97	0,1171 0,0442 0,0729	0,43 0,90 0,15	0,0507	0,1085	16,20	136,77	338,39	CIRCULAR	600	1,00	2,22	52,99	1.163,51	1.163,19	1,08	0,86	1.162,44	1.162,34	-		
RD-12A	PV-1.4->	1.162,67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.163,19	-	0,86	-	1.162,34	-	-	Nota 03	

Nota 01 - Vazão de saída da canal PO-12A (309,29 l/s).

Nota 02 - Estrutura de montante: CCS + TCC01 / Acima da cota de fundo do canal (1165,91 m), prever abertura de 15 x 100 cm na lateral da estrutura conforme indicado no detalhamento.

Nota 03 - Estrutura de montante: DEB3 / Ajustar o talude às alas da boca do BSTC.



ARQUITETURA + URBANISMO

CLN 107 BL. B SL. 210 - CEP 70.743-520
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RD-13A

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VERSÃO_V003

CÁLCULO DE DIMENSIONAMENTO DE REDE

REDE	TRECHO PV MONT. > PV JUS.	COTA DO TERRENO			EXTEN. (m)	ÁREA DE CONT. (ha)	C	C*A	C*A (ACUMUL.)	TC (min)	INTENS. DA CHUVA (mm/h)	MAX. VAZÃO (l/s)	SEÇÃO DO COLETOR	DIMENSÃO DO COLETOR (mm)	DECLIVIDADE DO COLETOR (%)	VEL. (m/s)	LAMINA D'ÁGUA (%)	COTA DE TOPO		ALTURA		COTA DE SOLEIRA		DEGRAU (m)	OBS
		MONT. (m)	JUS. (m)	EXTEN. (m)														MONT. (m)	JUS. (m)	MONT. (m)	JUS. (m)	MONT. (m)	JUS. (m)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
RD-13A	PV-1.1->PV-1.2	1.222,21	1.221,18	73,32	3,5767	0,27	0,9539	0,9539	15,00	142,35	377,17	CIRCULAR	600	1,50	2,66	50,09	1.222,21	1.221,18	1,78	1,85	1.220,43	1.219,33	-		
-	-	-	-	-	0,5565	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	3,0203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
RD-13A	PV-1.2->PV-1.3	1.221,18	1.219,73	61,11	0,3059	0,90	0,2753	1,2292	15,46	140,17	478,58	CIRCULAR	600	2,00	3,15	52,99	1.221,18	1.219,73	1,85	1,62	1.219,33	1.218,11	-		
RD-13A	PV-1.3->PV-1.4	1.219,73	1.218,40	73,62	-	-	-	1,2292	15,78	138,67	473,46	CIRCULAR	600	2,00	3,14	52,65	1.219,73	1.218,40	1,62	2,29	1.218,11	1.216,11	0,53		
RD-13A	PV-1.4->PV-1.5	1.218,40	1.216,14	6,43	-	-	-	1,2292	16,17	136,90	467,44	CIRCULAR	600	2,43	3,37	49,30	1.218,40	1.216,83	2,29	0,88	1.216,11	1.215,95	-		
RD-13A	PV-1.5->	1.216,14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.216,83	-	0,88	-	1.215,95	-	-	Nota 01	

Nota 01 - Estrutura de montante: DAD3 + DEB3 / Ajustar o talude às alas da boca do BSTC / Posicionar o dissipador na cotal de fundo do canal (1216,14 m).



ARQUITETURA + URBANISMO
CLN 607 - BL. B - SL. 710 - CEP 710.743-950
BRASILIA - DF - FONE 61 3374-9500

ANEXO 03 – QUANTITATIVOS ORÇAMENTO

ITEM	FONTE	CPU/INS	SERVIÇO	UNID	QUANTIDADE TOTAL
3			OBRAS DE DRENAGEM DE ÁGUAS PLUVIAIS		
3.1	SICRO	5502985	Limpeza mecanizada da camada vegetal	M2	25.564,00
3.2	SICRO	2003355	Sarjeta de canteiro central de concreto - SCC 04 - areia e brita comerciais	M	985,00
3.3	SICRO	2003939	Meio fio de concreto - MFC 01 moldado no local com extrusora e concreto usinado - areia e brita comerciais	M	406,56
3.4	SICRO	2003947	Meio fio de concreto - MFC 05 moldado no local com extrusora e concreto usinado - areia e brita comerciais	M	623,68
3.5	SICRO	2003363	Transposição de segmentos de sarjeta - TSS 04 - areia e brita comerciais	M	6,00
3.6	SICRO	2003678	Poço de visita - PVI 01 - areia e brita comerciais	UN	24,00
3.7	SICRO	2003714	Chaminé dos poços de visita - CPV 01 - areia e brita comerciais	UN	24,00
3.8	SICRO	2003618	Boca de lobo simples - BLS 01 - areia e brita comerciais	UN	2,00
3.9	SICRO	2003515	Caixa coletora de sarjeta - CCS 20 - com grelha de concreto - TCC 01 - areia e brita comerciais	M	29,00
3.10	SICRO	2003409	Descida d'água de aterros em degraus - DAD 03 - areia e brita comerciais	M	72,00
3.11	SICRO	2003453	Dissipador de energia - DEB 03 - areia e pedra de mão comerciais	UN	25,00
3.12	SICRO	5502113	Escavação, carga e transporte de material de 1ª categoria - DMT de 800 a 1.000 m - caminho de serviço em leito natural - com escavadeira e caminhão basculante de 14 m³	M3	28.170,50
3.13	SICRO	4805757	Escavação mecânica de vala em material de 1ª categoria	M3	3.053,21
3.14	SICRO	4915671	Reaterro e compactação com soquete vibratório	M3	2.827,04
3.15	SICRO	804019	Corpo de BSTC D = 0,40 m CA1 - areia, brita e pedra de mão comerciais	M	46,16
3.16	SICRO	804021	Corpo de BSTC D = 0,60 m CA1 - areia, brita e pedra de mão comerciais	UN	1.066,80
3.17	SICRO	804081	Boca BSTC D = 0,60 m - esconsidade 0° - areia e brita comerciais - alas retas	UN	25,00
3.18	SICRO	3205864	Gabião caixa 2 x 1 x 0,50 m - Zn/Al + PVC - D = 2,4 mm - pedra de mão comercial - fornecimento e assentamento	M3	360,00
3.19	SICRO	3205874	Gabião colchão espessura 0,23 m - Zn/Al + PVC - D = 2,0 mm - pedra de mão comercial - fornecimento e assentamento	M2	1.617,71
3.20	SICRO	2003925	Dreno sub-superficial - DSS 04 - tubo de concreto perfurado e brita comercial	M2	2.090,00
3.21	SICRO	4413996	Enleivamento	M2	16.382,89

ANEXO 04 – OPERAÇÃO DAS CCS-20 E SUPORTE DO BUEIRO DA DF-290

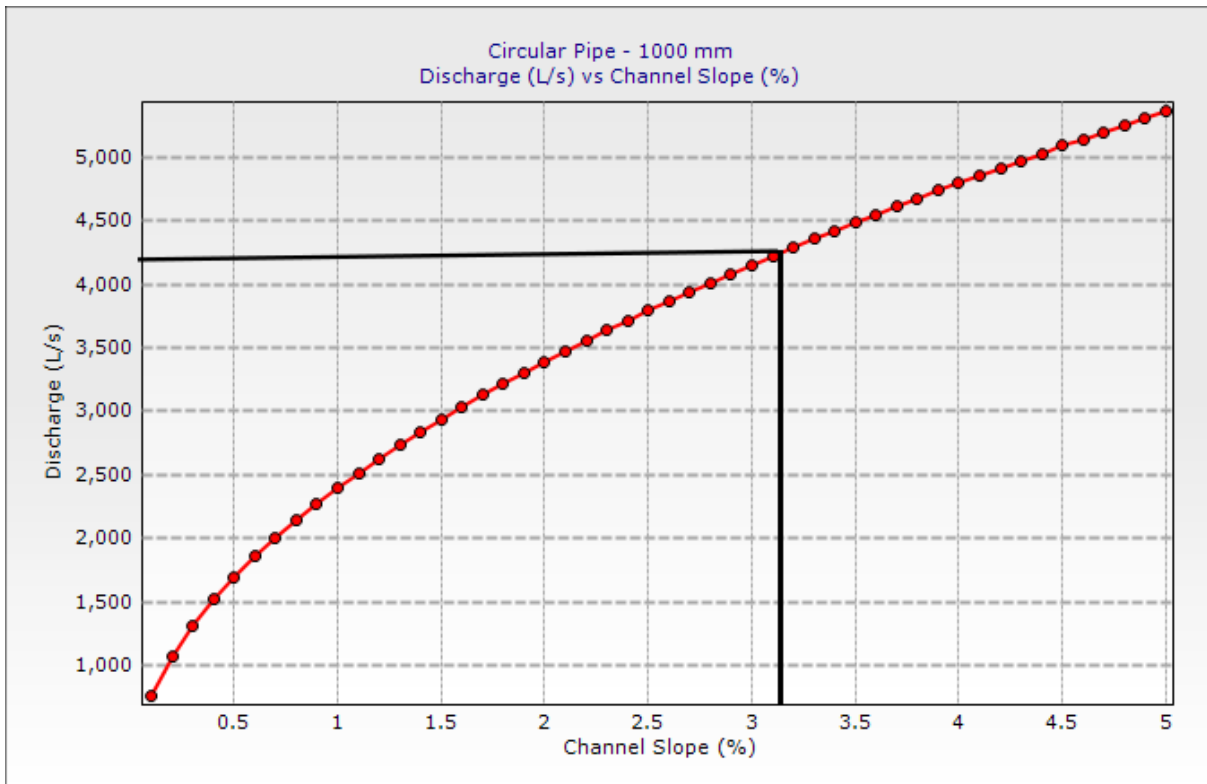
Capacidade de descarga - DN-1000 mm

Project Description

Friction Method	Manning
	Formula
Solve For	Discharge

Input Data

Roughness Coefficient	0.013
Channel Slope	1.000 %
Normal Depth	820.0 mm
Diameter	1,000.0 mm



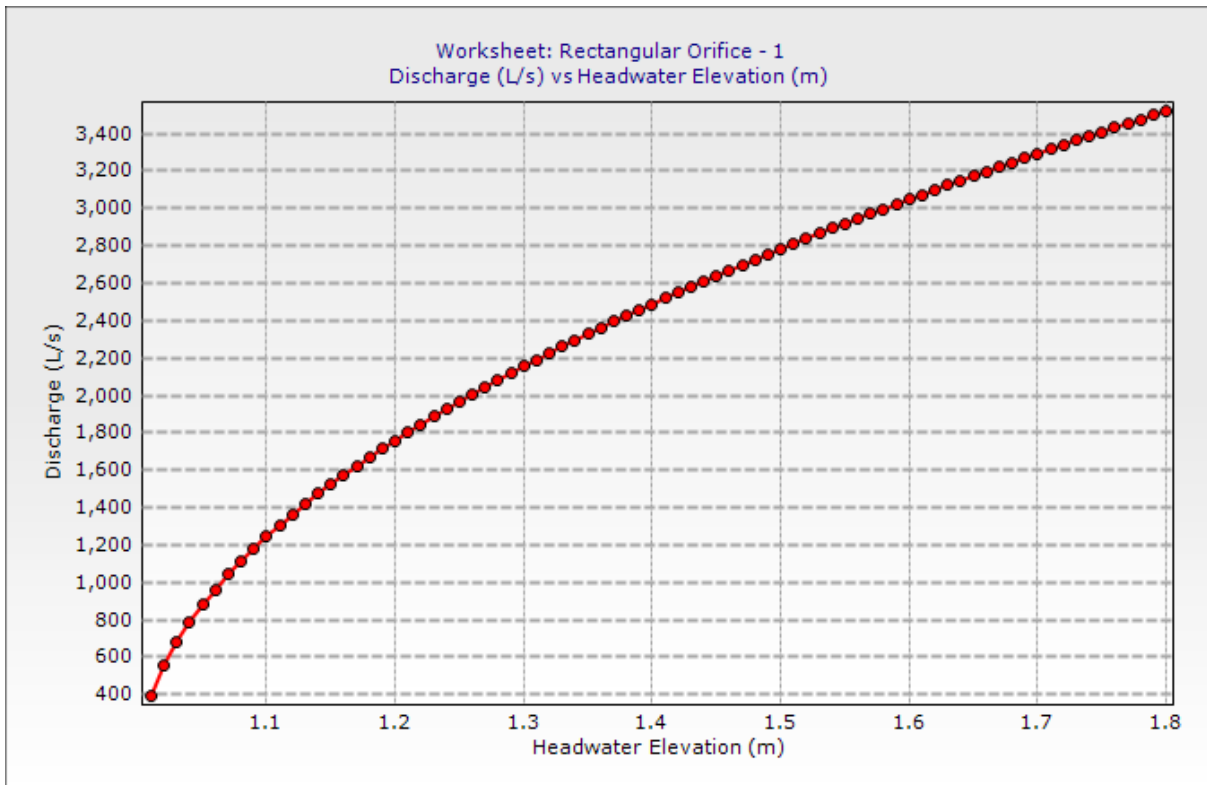
CAIXA COLETORA CCS-20 (ORIFÍCIO)

Project Description

Solve For Discharge

Input Data

Headwater Elevation	1.50 m
Centroid Elevation	1.00 m
Tailwater Elevation	0.00 m
Discharge Coefficient	0.626
Opening Width	1.42 m
Opening Height	1.0 m



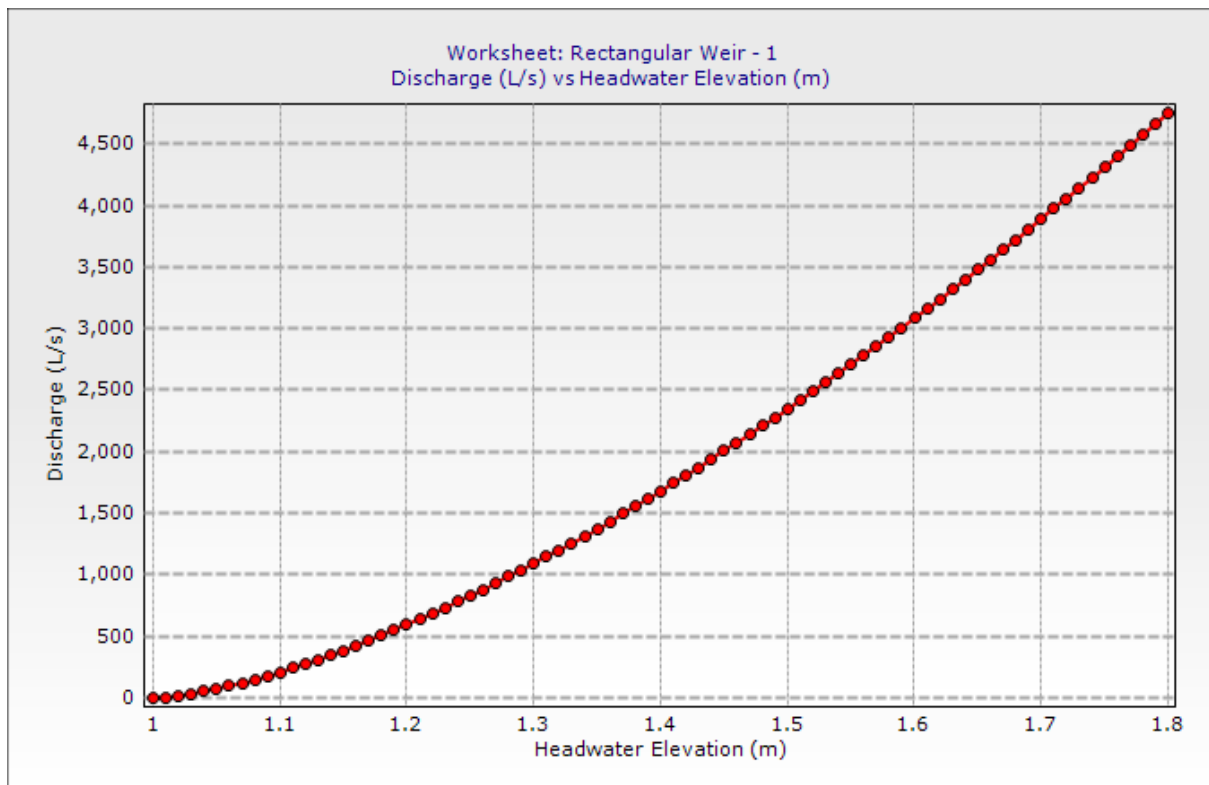
CAIXA COLETORA CCS-20 (VERTEDOIRO)

Project Description

Solve For Discharge

Input Data

Headwater Elevation	1.50 m
Crest Elevation	1.00 m
Tailwater Elevation	0.00 m
Weir Coefficient	$1.66 \text{ m}^{(1/2)}/\text{s}$
Crest Length	4.0 m
Number Of Contractions	0



ANEXO 05 – COMPRIMENTO CRÍTICO DE MEIOS-FIOS DE CONCRETO



ARQUITETURA + URBANISMO
CLN 107 BL. B SL. 210 - CEP 70.743-920
BRASILIA - DF FONE 01 3274 3200

PROJETO DE DRENAGEM - VC371

RODOVIA : VC371

TRECHO 01 : Estaca 28+11.00 até 33+00 (LD e LE) e Rotatória

CÁLCULO PELA FÓRMULA PÁG. 179 IPR724

COMPRIMENTO CRÍTICO DE MEIOS-FIOS DE CONCRETO COM SARJETA

TIPO: MFC01

Fórmula de Manning

Am = 0.025 m²

Pm = 1.005 m

Rh = 0.025 m 0.085

n = 0.013

POSTO: BSB - NOVACAP (NOVA)

Tr = 10 anos

Tc = 5 minutos

I = 218.65 mm/h

Geometria	Declividades (%)											
	0.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	6.00	7.00
Tangente	17.7	25.0	30.6	35.3	39.5	43.3	46.7	50.0	53.0	55.9	61.2	66.1
Curva	17.7	25.0	30.6	35.3	39.5	43.3	46.7	50.0	53.0	55.9	61.2	66.1

$$L = 269.6 \times \sqrt{i} / (0.90 \times Lp)$$

L = Comprimento crítico (m)

i = Declividade da sarjeta (%)

Lp = Largura da pista - em tangente (m) 12.00

Lp = Largura da pista - em curva (m) 12.00