







|  | NP－NO． | NP－1 | NP－2 | NP－3 |
| :---: | :---: | :---: | :---: | :---: |
| tas no． |  | W17LTR01 | W：7LPP01 | W17LR02 |
|  | $\begin{aligned} & \text { MITR } \\ & \text { CUTTHKK } \end{aligned}$ |  |  |  |
|  | cs | 1 |  | 1 |
|  | cos |  |  |  |
|  | PBS | LT，AR | LT，AR | LT，AR |
|  | Protection | 0c6x 1 | ${ }_{0} \mathrm{CO}_{3} 7$ | 0 Cbx 1 |
|  |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  |  | $\oplus$ | $\oplus$ | $\oplus$ |
|  | － |  |  |  |
| REMARKS ПРИМЕЦАНИЯ |  |  |  |  |




| NP－N0． | NP－4 | NP－5 | NP－6 |
| :---: | :---: | :---: | :---: |
| tag no． | W11LR0： | W11LPP01 | W11LR02 |
|  |  |  |  |
| 룰조 cs | 1 |  | 1 |
| 気気 ${ }^{\text {c }}$ |  |  |  |
| 昆害 PBS | LT，AR | ${ }_{\text {LTAR }}$ | LT，AR |
| Sta Prorction | OCC× 1 | 0 COxB | ${ }_{0} \mathrm{C} \times 1$ |
|  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | $\oplus$ | $\ominus$ | $\oplus$ |
|  |  |  |  |
| REMARKS пРИМЕЧАНИЯ |  |  |  |







NHON SUIDO CONSUITANTS

| -1 |  |
| :---: | :---: |

ASTANA WATER SUPPLY AND SEWERAGE PROUECT
ПРОЕКТ＂ВОДОССААБЖЕНИE И

$=1$
TiNE Slussimion a Pum
$\xrightarrow{3}$


| 4400 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 600 | 600 | 600 | 600 | 600 | 700 | 700 |
|  |  |  |  |  |  |  |
|  |  |  |  |  | $\cdots$ | 吅 |
| E-1 | 0-1 | c-1 | B-1 |  |  |  |
| E-2 | D-2 | c-2 | B-2 | A-1 |  |  |
| E-3 | 0-3 | c-3 | 8-3 |  | auxlarir | AUXILARY |
| E-4 | D-4 | C-4 | B-4 |  | relay panel | relay panel |
| E-5 | D-5 | C-5 | B-5 |  | Понеяь | Панель |
| E-6 | 0-6 | c-6 | 8-6 | A-2 | gnowuwnesuraeso pene |  |
| E-7 | 0-7 | c-7 | 8-7 |  |  |  |
| Tв | T B | TB | T8 | T ${ }^{\text {b }}$ |  |  |





SIDE MEW




Single Line Diagram of Intake Flow Control LCP Мономерная guaграмма контроля Всасавающего потака $L C P$


## 皆




$\perp$
$\frac{\text { SECTION C-C }}{\text { PABPEBCO }}$
PA3PE3C-C

$\triangle$
$\frac{\text { SECTION D-D }}{\text { PABPE3D-D }}$


CI: $\begin{gathered}\text { корпордиия развития } \\ \text { стопиив }\end{gathered}$

四
HE


$\angle$


A

SECTION F-F
PA3PE3 F-F











| NP-NO. | NP-3 | NP-1 | NP-5 | NP-2 | NP-4 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| tag no. | W47PT01 | W4717P01 | w47tipol | W471cP02 | W47P1P02 |
|  | (1) (4) |  |  |  | (v) (A) |
|  | 1 | 1 | 1 | 1 | 1 |
|  | V5x1, Asx1 |  |  |  | V5xi, $A 5 \times 1$ |
| 咎䆖 PES | LT,AR | LT,AR | LT,AR | LTM | LT,NR |
|  | $00 \times 3$, W |  |  |  | ${ }_{0 \times \times 3}$, w |
|  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 20 | $\oplus$ | $\oplus$ | $\oplus$ | $\oplus$ | $\oplus$ |
| $\stackrel{3}{3}$ |  |  |  |  |  |
| REMARKS ПPИMELAHIAT |  |  |  |  |  |



| NP-6 | NP-7 |
| :---: | :---: |
| W471cP03 | W47PTP03 |
|  | (1) (4) |
| 1 | 1 |
|  | V5x1, $15 \times 1$ |
| LT, AR | LT, AR |
|  | 0Cx3, in |
| $\bigcirc$ | $\bigcirc$ |
| $\oplus$ | $\oplus$ |
|  |  |
|  |  |







| NP-9 | NP-11 | NP-15 | NP-12 | Np-10 |
| :---: | :---: | :---: | :---: | :---: |
| W47: R 01 | W475TP01 | W47treot | W475TP02 | W47itro2 |
|  | (1) (4) |  | (1) (A) |  |
|  | 1 |  | 1 |  |
|  | WSx1, ASx |  | VSx1, A5x1 |  |
|  | LT,AR | LT,NR | LT,AR |  |
|  | OCx2, iv | $0 \mathrm{CG} \mathrm{\times 14}$ | 0Cx2, iv |  |
| $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| $\oplus$ | $\oplus$ | $\oplus$ | $\oplus$ | $\oplus$ |
|  |  |  |  |  |
|  |  |  |  |  |

Instill in WTP Substction
Yemorobive Ho mocmonuu Hoc


CIE $\underset{\text { коРпорация развития }}{\text { столиЦН }}$





Single Line Diagram of Distribution Chamber LCP Мономерная guaграмма распреgелительнои камеры LCP


корпорация развития
столицй JAPAN INTERNATOMC
COOPSRAION AGELCY

NHON Sulio consuliants




| 600 | 600 | 600 | 600 | 600 | 700 | 700 | 700 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  | - | - | 므제 |
| E-1 | D-1 | c-1 | 8-1 |  |  |  |  |
| E-2 | 0-2 | C-2 | 8-2 | A-1 |  |  |  |
| E-3 | D-3 | c-3 | 日-3 |  | auxllary | AUXILIARY | AUXILIARY |
| E-4 | D-4 | C-4 | 8-4 |  | relay panel | relay panel | relay panel |
| E-5 | D-5 | C-5 | 8-5 | A-2 | Понель | Понель | Панель |
| E-6 | D-6 | c-6 | 8-6 |  | gonomumentioeo | gonomitmeathoer | genonamentibuteo |
| E-7 | D-7 | C-7 | B-7 |  |  |  |  |
| T B | T8 | T 8 | T8 | T 8 |  |  |  |


Instoll in Administrotion Electrical Room





|  | DRECC LINE STWT | REVERSIELE STARTI Pebepeubind eryon |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \substack{m \times a d \\ \text { ansbor }} \end{aligned}$ |  | B | $C^{7.5}$ to 30kw | D |
|  |  |  |  |  |
| $\stackrel{\text { mim }}{\text { un }}$ |  | INEERIER | $\begin{aligned} & \text { CONTRO POMFR } \\ & \text { Konmpont mountocmu } \end{aligned}$ |  |
| $\begin{aligned} & \text { minex } \\ & \text { anmon } \end{aligned}$ | $E \quad \begin{aligned} & \text { above } 301 \mathrm{k}+ \\ & \text { cwoso } 30 \mathrm{k} \end{aligned}$ | $F$ | Z |  |
|  |  |  |  |  |


| - 5700 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| -600 | 600 | $600 \times 600$ |  | 600 | 600 | 700 | 700 | 700 |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | ■ | $\cdots$ |
| F-1 | E-1 | 0-1 | c-1 | B-1 | A-1 |  |  |  |
|  | E-2 | D-2 | C-2 | 8-2 |  |  |  |  |
|  | E-3 | 0-3 | c-3 | 8-3 |  |  | AUXILARY | auxillary |
|  | E-4 | 0-4 | C-4 | 8-4 |  |  | relay panel | relay panel |
| F-2 | E-5 | D-5 | C-5 | 8-5 |  |  | Понель | Понель |
|  | E-6 | D-6 | c-6 | B-6 | A-2 |  | gonomurnempeo |  |
| F-3 | E-7 | D-7 | C-7 | B-7 |  |  | pene | pere |
| т $\quad$ \% | T ${ }^{\text {B }}$ | TB | 「 ${ }^{\text {® }}$ | т $\quad$ B | T $\quad$ \% |  |  |  |

```
##ote Treatment MCC 
    Instoll in Administrotion Electricol Room
```



SIDE VEW

 Japan Mitenatonal
COOPERATIN ACENCT






曷



