NOTE:
INSTRUMENTATION SUPPLIER TO PROVIDE ALL CONNECTIONS TO EXISTING A/B DATA HIGHWAY PLUS PLC NETWORK.

REFER TO DRAWING I-8 FOR CONTINUATION OF PLC-2 I/O.

I/O

FROM EF-1 TO EF-5 FROM DWG I-4

FROM EF-6 FROM DWG I-4

FROM EF-7 FROM DWG I-4

PRESSURE

VIBRATION

COMMON ALARM

RUNNING

RUN

SPEED FAULT

SPEED

AMPERAGE

VFD FAIL

HAND

REMOTE

E-STOP ACTIVATED

PIT 200

PLENUM

DCF-1

LOOP 200
ODOR CONTROL FAN

CHLORINE RESIDUAL

DIFFERENTIAL PRESSURE

HIGH

LOW

LOW LOW

DPT 210

S-1

LSH 210

LSL 210

LSLL 210

LOOP 210
ODOR CONTROL SCRUBBER
STAGE 1

ATMOSPHERE

CHLORINE RESIDUAL

DIFFERENTIAL PRESSURE

DPT 220

S-2

LSH 220

LSL 220

LSLL 220

LOOP 220
ODOR CONTROL SCRUBBER
STAGE 2

OPT-2

ODOR CONTROL PLC

PLC 2

OPEN

FLOW

PE 260

FIT 260

PW

LOOP 260
PLANT WATER FEED
STAGE 2

FLOW

OPEN

FIT 250

PE 250

PW

LOOP 250
PLANT WATER FEED
STAGE 1

ORP

PH

AIT 270B

AE 270B

AIT 270A

AE 270A

LOOP 270
CHEMICAL MONITORING
STAGE 1

COMMON ALARM

RUNNING

RUN

MOTOR OVERLOAD

HAND

REMOTE

E-STOP ACTIVATED

MS 230

RP-1

LOOP 230
RECIRCULATION PUMP NO.1

ORP

PH

AIT 280B

AE 280B

AIT 280A

AE 280A

LOOP 280
CHEMICAL MONITORING
STAGE 2

COMMON ALARM

RUNNING

RUN

MOTOR OVERLOAD

HAND

REMOTE

E-STOP ACTIVATED

MS 240

RP-2

LOOP 240
RECIRCULATION PUMP NO.2

FROM NaOH PUMPS NaOH-1/2
FROM DWG I-6

FROM NaOCl PUMPS NaOCl-1/2
FROM DWG I-6

FROM NaOCL PUMPS NaOCl-2/3
FROM DWG I-8

FROM NaOH PUMPS NaOH-2/3
FROM DWG I-8

PROGRESS PRINTS
ISSUED FOR REVIEW: 4-5-01
ISSUED FOR BIDDING: 5-4-01
WALT LUDEMA
LAST REVISED ON
FILENAME:

NO | DATE | APP'D | REVISIONS

DRAWN BY: FINAL
CHECKED BY: PFR
DATE: 5-4-01
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DATE: 5-4-01
BOOK NO.
PROJECT NO. 2106.14
SCALE:

Wright-Pierce
99 Main Street Topsham, Maine USA 04086
TEL (207) 725-8721 FAX (207) 729-8414

PORTLAND WATER DISTRICT
PORTLAND, MAINE
PRIMARY SEDIMENTATION BASINS
UPGRADE WITH ODOR CONTROL FACILITIES
INSTRUMENTATION LOOPS
200,210,220,230,240,250,260,270, AND 280

DWG I-5
62 OF 79