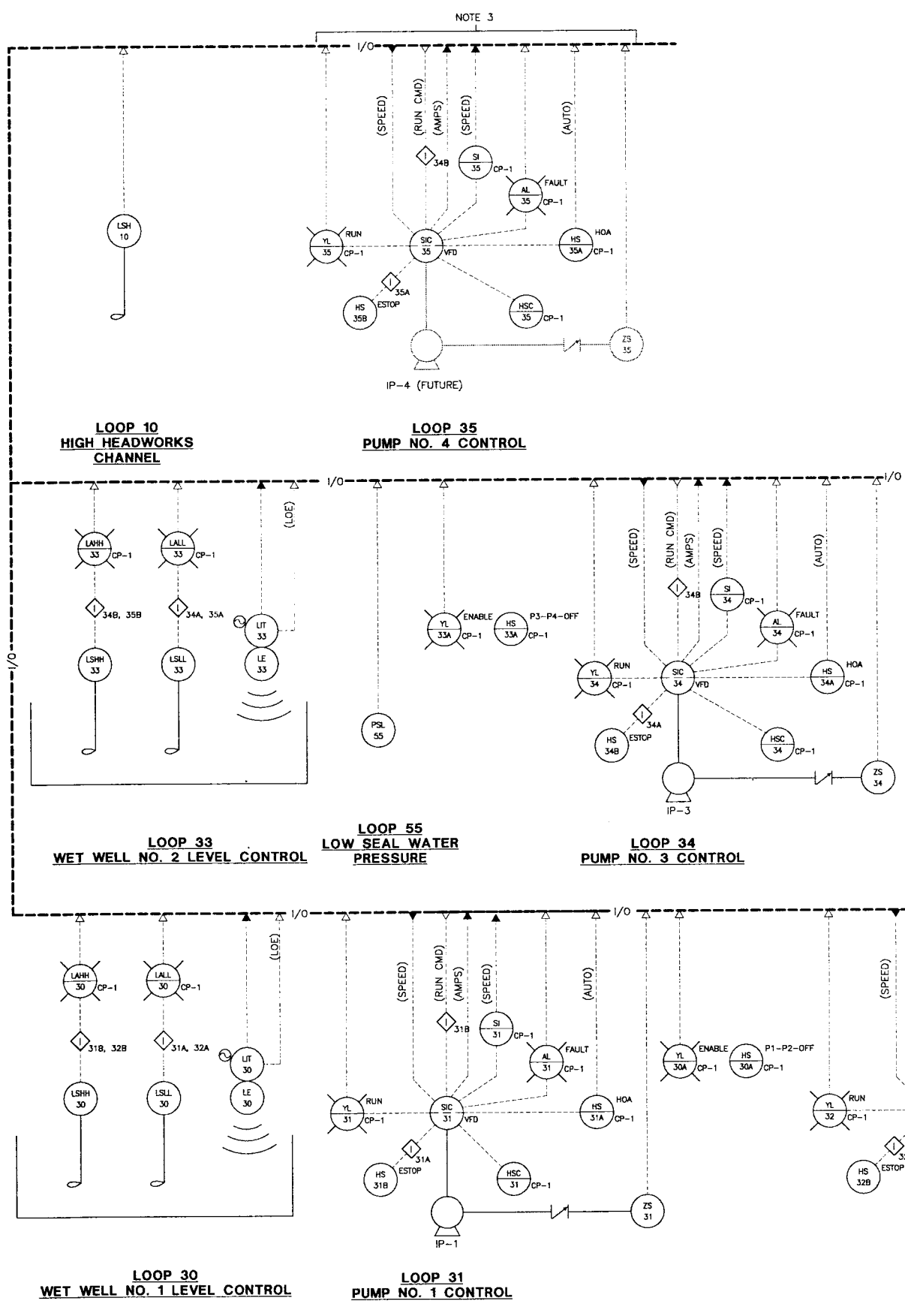
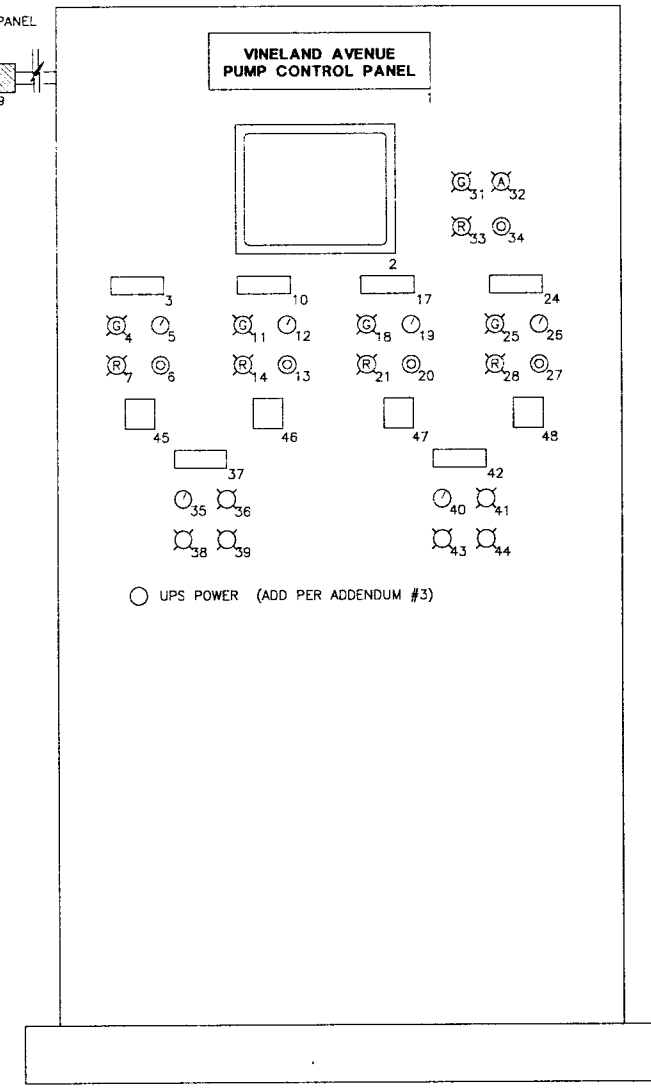




ITEM	TAG	DESCRIPTION
1	-	LABEL
2	OPT-1	OPERATOR TERMINAL INTERFACE
3	-	LABEL
4	YL-31	RUN STATUS LIGHT
5	HS-31A	HOA (3 POSITION) SELECTOR SWITCH
6	HSC-31	SPEED POTENTIOMETER
7	AL-31	VFD FAULT ALARM LIGHT
10	-	LABEL
11	YL-32	RUN STATUS LIGHT
12	HS-32A	HOA SELECTOR SWITCH
13	HSC-32	SPEED POTENTIOMETER
14	AL-32	VFD FAULT ALARM LIGHT
17	-	LABEL
18	YL-34	RUN STATUS LIGHT
19	HS-34A	HOA SELECTOR SWITCH
20	HSC-34	SPEED POTENTIOMETER
21	AL-34	VFD FAULT ALARM
24	-	LABEL
25	YL-35	RUN STATUS LIGHT
26	HS-35	HOA SELECTOR SWITCH
27	HSC-35	SPEED POTENTIOMETER
28	AL-35	VFD FAULT ALARM
31	YL-36B	CONTROL PANEL POWER STATUS LIGHT
32	AL-36B	UPS LOW BATTERY ALARM LIGHT
33	AL-36A	GENERAL ALARM LIGHT
34	HS-36A	RESET PUSHBUTTON
35	-	BACKUP PUMP 3 POSITION SELECTOR SWITCH
36	-	BACKUP PUMP ENABLE LIGHT
37	-	LABEL
38	LALL-30	LOW-LOW LEVEL ALARM
39	LAHH-30	HIGH-HIGH LEVEL ALARM
40	-	BACKUP PUMP 3 POSITION SELECTOR SWITCH
41	-	BACKUP PUMP ENABLE LIGHT
42	-	LABEL
43	LALL-33	LOW-LOW LEVEL ALARM
44	LAHH-33	HIGH-HIGH LEVEL ALARM
45	SI-31	SPEED INDICATOR
46	SI-32	SPEED INDICATOR
47	SI-33	SPEED INDICATOR
48	SI-34	SPEED INDICATOR
49	-	ALARM HORN

NAMEPLATE
VINELAND AVENUE PUMP CONTROL PANEL
INFLUENT PUMP NO. 1
RUN
HAND-OFF-AUTO
SPEED (0-100%)
VFD FAULT
INFLUENT PUMP NO. 2
RUN
HAND-OFF-AUTO
SPEED (0-100%)
VFD FAULT
INFLUENT PUMP NO. 3
RUN
HAND-OFF-AUTO
SPEED (0-100%)
VFD FAULT
INFLUENT PUMP NO. 4
RUN
HAND-OFF-AUTO
SPEED (0-100%)
VFD FAULT
POWER
LOW BATT
ALARM
RESET
PUMP 1-PUMP 2-OFF
ENABLE
WETWELL NO. 1 BACKUP PUMP
LOW-LOW LEVEL
HIGH-HIGH LEVEL
PUMP 3-PUMP 4-OFF
ENABLE
WETWELL NO. 2 BACKUP PUMP
LOW-LOW LEVEL
HIGH-HIGH LEVEL
-
-
-
-



PUMP CONTROL PANEL (CP-1)
LAYOUT DIAGRAM
NTS

NOTES:
1. WALL MOUNTED CIRCULAR CHART REORDER WITH INTEGRAL FLOW TOTALIZER LOCATED IN OFFICE.
2. RELOCATE TO NEW OFFICE.
3. PROVIDE PLC I/O AND CONTROL FOR THE FUTURE PUMP NO. 4.

REVISIONS	DATE	BY	DESCRIPTION
1	12-02		ISSUED FOR REVIEW
2	03		ISSUED FOR BIDDING
3			LAST MODIFIED
4			DATE
5			SCALE
6			PROJECT NO.
7			BOOK NO.
8			SCALE
9			SCALE
10			SCALE
11			SCALE
12			SCALE
13			SCALE
14			SCALE
15			SCALE
16			SCALE
17			SCALE
18			SCALE
19			SCALE
20			SCALE
21			SCALE
22			SCALE
23			SCALE
24			SCALE
25			SCALE
26			SCALE
27			SCALE
28			SCALE
29			SCALE
30			SCALE
31			SCALE
32			SCALE
33			SCALE
34			SCALE
35			SCALE
36			SCALE
37			SCALE
38			SCALE
39			SCALE
40			SCALE
41			SCALE
42			SCALE
43			SCALE
44			SCALE
45			SCALE
46			SCALE
47			SCALE
48			SCALE
49			SCALE

WRIGHT-PLERCE
169 Main Street, 700 Plaza Middlesex
Middlesex, Connecticut 06457
TEL (860) 343-0297 FAX (860) 343-9504

DEPARTMENT OF PUBLIC WORKS
TOWN OF EAST LONGMEADOW, MA
VINELAND AVENUE PUMP STATION
CONTRACTS NO. 1 AND NO. 2
INSTRUMENTATION
LOOP DIAGRAMS AND SCHEMATICS

DWG I-2
42 OF 49