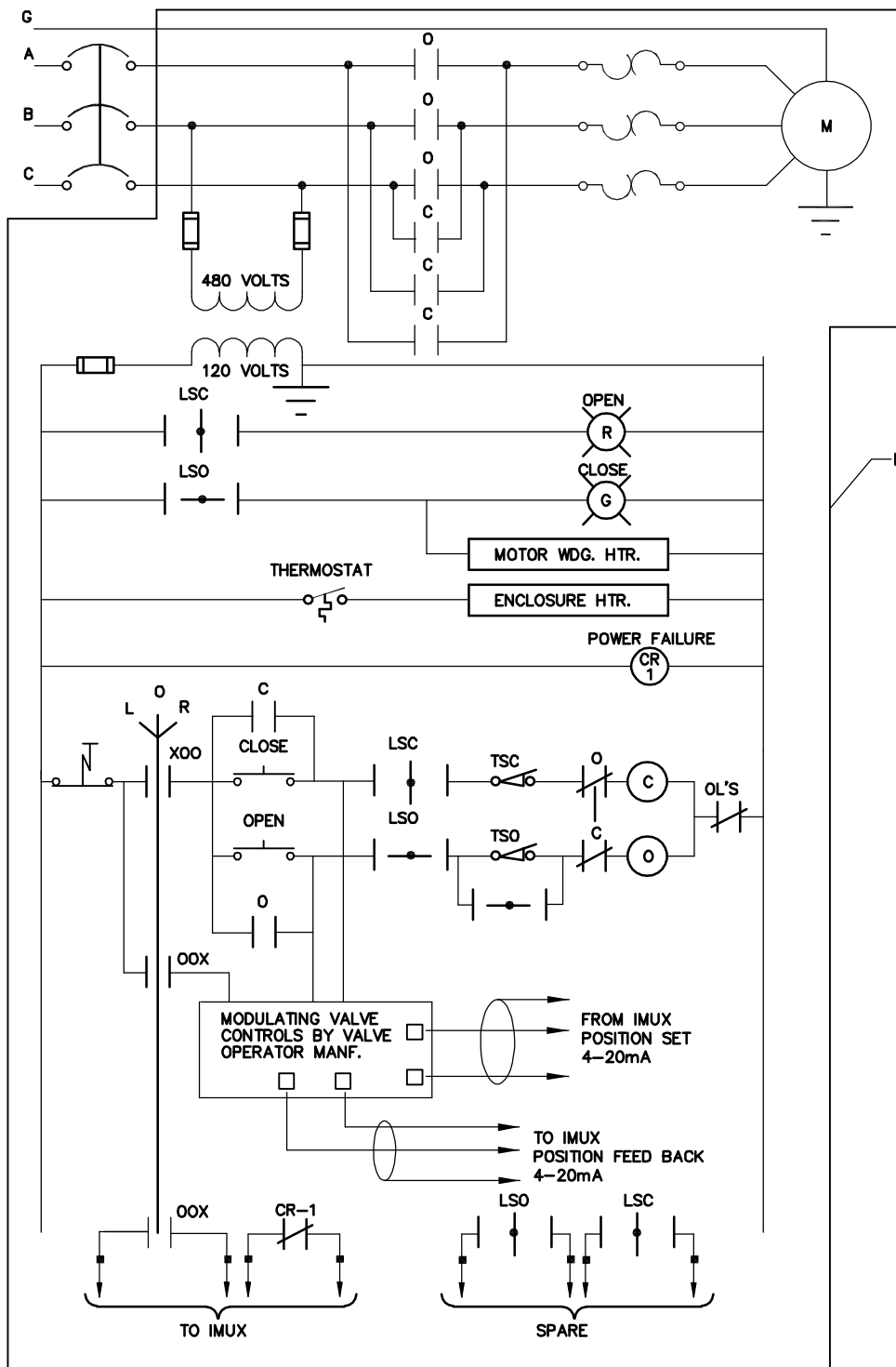


EQUIP. NO.	LOOP NO.	LOCATION	POWER	CONTROLLED BY
CV 22111	2100	INFLUENT AND CONTROL VALVE MANHOLE	PANEL IVPP-1	INUX-6



LEGEND

- EXTERNAL DEVICE TERMINAL CONNECTIONS
- ▣ DEVICE LOCATED IN FIELD

MODULATING VALVE
SCHEMATIC

1
-
N.T.S

LOOP NO.	EQUIPMENT DESCRIPTION AND TAG	FIELD WIRING	IMUX
2050	GRIT COLLECTOR EFFLUENT CHANNEL HIGH LEVEL REF SHT E-8	LSHH FLOAT SWITCH 4#14, 3/4" C (2#14 ARE SPARE) ICM-03	IMUX2-36B
2100	PLANT 1 PRIMARY EFFLUENT LINE CONTROL VALVE CV 22111 REF SHT E-10	L/R FAIL MOV 2#14 2#14 2#14 2-PR#16TSW, 1" C J BOX 14#14, 1" C (4#14 ARE SPARE) ICM-02 ICM-01 1-PR#16TSW 8#14 FROM LOOP 4006	IMUX6-01 IMUX6-02 1/1 6
2100	INFLUENT FLOW FROM PLANT 1 REF SHT E-10	PIT 1-PR#16TSW ICM-01	
2200	INTERMEDIATE CLARIFIER #2 SCUM PUMP P 22204 REF SHT E-13	L/R RUN/STOP FAIL MCC C 2#14 2#14 2#14 2#14 10#14, 1" C (2#14 ARE SPARE)	IMUX6-03

LEGEND:

- 1/1 INDICATES CONDUCTORS SHALL BE ISOLATED FROM IMUX VIA CURRENT TO CURRENT ISOLATOR LOCATED AT THE IMUX.

IMUX INTERFACE DIAGRAM

2
-
N.T.S

PANEL-IVPP-1 REF SHT E-10		480V, 3Ø, 3W NEMA 4 60A MAIN BREAKER		
CIRCUIT	SERVES	C/B	WIRE	COND.
1,3,5	FAN F 29206	20/3	#12	3/4"
2,4,6	EXIST SERVICE	20/3	#12	3/4"
7,9,11	CV 22111	20/3	#12	3/4"
8,10	PANEL IVLP-1	40/2	#8	3/4"
12,13	SPACE	-	-	-
14,16,18	SPACE	20/3	-	-
15	SPACE	-	-	-

PANEL SCHEDULE

3
-
N.T.S

FROM CDM 2000 SEWAGE TREATMENT PLANT
NO.2 IMPROVEMENTS CITY OF WICHITA

FOR REFERENCE ONLY

ALTERNATE #2
ENTIRE SHEET



CITY OF WICHITA, KANSAS
WASTEWATER TREATMENT PLANT #2
HEADWORKS IMPROVEMENTS

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CV-22111 WIRING DIAGRAMS	
PROJECT NO.	1401010275
DATE	07/31/14
SCALE	N.T.S.
DESIGNED	DAS
DRAWN	OS
CHECKED	MAS
ISSUED FOR CONSTRUCTION	09/18/14
NO.	REVISION
	DATE
SHEET NO.	
19 OF 19	