

MCC UNIT 1A, MAIN PUMP NO. 1 STARTER TERMINAL CONNECTIONS

TERMINAL NO.	WIRE NO.	ORIGINATION	DESCRIPTION OF INPUT
M1A-29	M1A-29	MP1 CONTROL RECP	MOTOR TEMP/MOIST SENSOR
M1A-30	M1A-30	MP1 CONTROL RECP	MOTOR TEMP/MOIST SENSOR
M1A-2	M1A-2	MP1 LOCAL PUSH BUTTON STA.	START PUSH BUTTON
M1A-5	M1A-5	MP1 LOCAL PUSH BUTTON STA.	START PUSH BUTTON
M1A-7	M1A-7	MP1 LOCAL PUSH BUTTON STA.	STOP PUSH BUTTON
M1A-7A	M1A-7A	MP1 LOCAL PUSH BUTTON STA.	STOP PUSH BUTTON
M1A-5	M1A-5	MP1 LOCAL PUSH BUTTON STA.	MOTOR BUMP BUTTON
M1A-13	M1A-13	MP1 LOCAL PUSH BUTTON STA.	MOTOR BUMP BUTTON
M1A-2	M1A-2	CP-DO-4A	FLOAT PUMP CALL
M1A-9	M1A-9	CP-DO-4	FLOAT PUMP CALL
M1A-2	M1A-2	SP-DO-P1	SCADA PUMP CALL
M1A-9	M1A-9	SP-DO-P1X	SCADA PUMP CALL

TERMINAL NO.	WIRE NO.	OUTPUT DESTINATION	DESCRIPTION OF OUTPUT
M1A-6	CP-1	CP-DI-1	STARTER CONTACT NC
M1A-6A	CP-31	CP-DI-31	STARTER CONTACT NC
M1A-OD	CP-1	CP-DI-1	MOTOR OVERLOAD
M1A-OE	CP-259	CP-DI-259	MOTOR OVERLOAD
M1A-30A	CP-274	CP-DI-274	MP1 HI-TEMP/MOIST
M1A-30B	CP-275	CP-DI-275	MP1 HI-TEMP/MOIST
M1A-2	M1A-2	MP1 LOCAL PUSH BUTTON STA.	PUMP CALL LIGHT
M1A-X2	M1A-X2	MP1 LOCAL PUSH BUTTON STA.	PUMP CALL LIGHT
M1A-1	M1A-1	MP1 LOCAL PUSH BUTTON STA.	PUMP CALL LIGHT
M1A-19	M1A-19	MP1 LOCAL PUSH BUTTON STA.	PUMP RUN LIGHT
M1A-X2	M1A-X2	MP1 LOCAL PUSH BUTTON STA.	PUMP RUN LIGHT
M1A-1	M1A-1	MP1 LOCAL PUSH BUTTON STA.	PUMP RUN LIGHT
M1A-11	SP-1	SP-DI-1	PUMP #1 NOT IN AUTO CONTROL
M1A-11A	SP-1C	SP-DI-1C	PUMP #1 NOT IN AUTO CONTROL
M1A-4A	SP-6	SP-DI-6	STARTER CONTACT NO
M1A-4B	SP-6C	SP-DI-6C	STARTER CONTACT NO
M1A-O	SP-16	SP-DI-16	CIRCUIT BREAKER OPEN
M1A-OA	SP-16C	SP-DI-16C	CIRCUIT BREAKER OPEN
M1A-OB	SP-L1	SP-AI-L1	MOTOR CURRENT, PHASE B
M1A-OC	SP-L1C	SP-AI-L1C	MOTOR CURRENT, PHASE B
M1A-5A	M1A-5A	CP-DI-162	STARTER CONTACT NO
M1A-5B	M1A-5B	CP-DI-162A	STARTER CONTACT NO
M1A-7B	M1A-7B	CP-DI-418	STARTER CONTACT NC
M1A-7C	M1A-7C	CP-DI-418A	STARTER CONTACT NC
M24-A	SP-47	SP-DI-47	MOTOR HIGH TEMP/MOISTURE
M24-B	SP-47C	SP-DI-47C	MOTOR HIGH TEMP/MOISTURE

MCC UNIT 3A, MAIN PUMP NO. 3 STARTER TERMINAL CONNECTIONS

TERMINAL NO.	WIRE NO.	ORIGINATION	DESCRIPTION OF INPUT
M3A-29	M3A-29	MP3 CONTROL RECP	MOTOR TEMP/MOIST SENSOR
M3A-30	M3A-30	MP3 CONTROL RECP	MOTOR TEMP/MOIST SENSOR
M3A-2	M3A-2	MP3 LOCAL PUSH BUTTON STA.	START PUSH BUTTON
M3A-5	M3A-5	MP3 LOCAL PUSH BUTTON STA.	START PUSH BUTTON
M3A-7	M3A-7	MP3 LOCAL PUSH BUTTON STA.	STOP PUSH BUTTON
M3A-7A	M3A-7A	MP3 LOCAL PUSH BUTTON STA.	STOP PUSH BUTTON
M3A-5	M3A-5	MP3 LOCAL PUSH BUTTON STA.	MOTOR BUMP BUTTON
M3A-13	M3A-13	MP3 LOCAL PUSH BUTTON STA.	MOTOR BUMP BUTTON
M3A-2	M3A-2	CP-DO-16A	FLOAT PUMP CALL
M3A-9	M3A-9	CP-DO-16	FLOAT PUMP CALL
M3A-2	M3A-2	SP-DO-P3	SCADA PUMP CALL
M3A-9	M3A-9	SP-DO-P3X	SCADA PUMP CALL

TERMINAL NO.	WIRE NO.	OUTPUT DESTINATION	DESCRIPTION OF OUTPUT
M3A-6	CP-31A	CP-DI-31A	STARTER CONTACT NC
M3A-6A	CP-31B	CP-DI-31B	STARTER CONTACT NC
M3A-OD	CP-1	CP-DI-1	MOTOR OVERLOAD
M3A-OE	CP-265	CP-DI-265A	MOTOR OVERLOAD
M3A-30A	CP-280	CP-DI-280	MP3 HI-TEMP/MOIST
M3A-30B	CP-281	CP-DI-281	MP3 HI-TEMP/MOIST
M3A-2	M3A-2	MP3 LOCAL PUSH BUTTON STA.	PUMP CALL LIGHT
M3A-X2	M3A-X2	MP3 LOCAL PUSH BUTTON STA.	PUMP CALL LIGHT
M3A-1	M3A-1	MP3 LOCAL PUSH BUTTON STA.	PUMP CALL LIGHT
M3A-19	M3A-19	MP3 LOCAL PUSH BUTTON STA.	PUMP RUN LIGHT
M3A-X2	M3A-X2	MP3 LOCAL PUSH BUTTON STA.	PUMP RUN LIGHT
M3A-1	M3A-1	MP3 LOCAL PUSH BUTTON STA.	PUMP RUN LIGHT
M3A-11	SP-3	SP-DI-3	PUMP #3 NOT IN AUTO CONTROL
M3A-11A	SP-3C	SP-DI-3C	PUMP #3 NOT IN AUTO CONTROL
M3A-4A	SP-8	SP-DI-8	STARTER CONTACT NO
M3A-4B	SP-8C	SP-DI-8C	STARTER CONTACT NO
M3A-O	SP-18	SP-DI-18	CIRCUIT BREAKER OPEN
M3A-OA	SP-18C	SP-DI-18C	CIRCUIT BREAKER OPEN
M3A-OB	SP-L3	SP-AI-L3	MOTOR CURRENT, PHASE B
M3A-OC	SP-L3C	SP-AI-L3C	MOTOR CURRENT, PHASE B
M3A-5A	M3A-5A	CP-DI-162	STARTER CONTACT NO
M3A-5B	M3A-5B	CP-DI-162A	STARTER CONTACT NO
M3A-7B	M3A-7B	CP-DI-420	STARTER CONTACT NC
M3A-7C	M3A-7C	CP-DI-420A	STARTER CONTACT NC
M24-A	SP-47	SP-DI-47	MOTOR HIGH TEMP/MOISTURE
M24-B	SP-47C	SP-DI-47C	MOTOR HIGH TEMP/MOISTURE

MCC UNIT 2A, MAIN PUMP NO. 2 STARTER TERMINAL CONNECTIONS

TERMINAL NO.	WIRE NO.	ORIGINATION	DESCRIPTION OF INPUT
M2A-29	M2A-29	MP2 CONTROL RECP	MOTOR TEMP/MOIST SENSOR
M2A-30	M2A-30	MP2 CONTROL RECP	MOTOR TEMP/MOIST SENSOR
M2A-2	M2A-2	MP2 LOCAL PUSH BUTTON STA.	START PUSH BUTTON
M2A-5	M2A-5	MP2 LOCAL PUSH BUTTON STA.	START PUSH BUTTON
M2A-7	M2A-7	MP2 LOCAL PUSH BUTTON STA.	STOP PUSH BUTTON
M2A-7A	M2A-7A	MP2 LOCAL PUSH BUTTON STA.	STOP PUSH BUTTON
M2A-5	M2A-5	MP2 LOCAL PUSH BUTTON STA.	MOTOR BUMP BUTTON
M2A-13	M2A-13	MP2 LOCAL PUSH BUTTON STA.	MOTOR BUMP BUTTON
M2A-2	M2A-2	CP-DO-10A	FLOAT PUMP CALL
M2A-9	M2A-9	CP-DO-10	FLOAT PUMP CALL
M2A-2	M2A-2	SP-DO-P2	SCADA PUMP CALL
M2A-9	M2A-9	SP-DO-P2X	SCADA PUMP CALL

TERMINAL NO.	WIRE NO.	OUTPUT DESTINATION	DESCRIPTION OF OUTPUT
M2A-6	CP-31	CP-DI-31	STARTER CONTACT NC
M2A-6A	CP-31A	CP-DI-31A	STARTER CONTACT NC
M2A-OD	CP-1	CP-DI-1	MOTOR OVERLOAD
M2A-OE	CP-262A	CP-DI-262A	MOTOR OVERLOAD
M2A-30A	CP-277	CP-DI-277	MP2 HI-TEMP/MOIST
M2A-30B	CP-278	CP-DI-278	MP2 HI-TEMP/MOIST
M2A-2	M2A-2	MP2 LOCAL PUSH BUTTON STA.	PUMP CALL LIGHT
M2A-X2	M2A-X2	MP2 LOCAL PUSH BUTTON STA.	PUMP CALL LIGHT
M2A-1	M2A-1	MP2 LOCAL PUSH BUTTON STA.	PUMP CALL LIGHT
M2A-19	M2A-19	MP2 LOCAL PUSH BUTTON STA.	PUMP RUN LIGHT
M2A-X2	M2A-X2	MP2 LOCAL PUSH BUTTON STA.	PUMP RUN LIGHT
M2A-1	M2A-1	MP2 LOCAL PUSH BUTTON STA.	PUMP RUN LIGHT
M2A-11	SP-2	SP-DI-2	PUMP #3 NOT IN AUTO CONTROL
M2A-11A	SP-2C	SP-DI-2C	PUMP #3 NOT IN AUTO CONTROL
M2A-4A	SP-7	SP-DI-7	STARTER CONTACT NO
M2A-4B	SP-7C	SP-DI-7C	STARTER CONTACT NO
M2A-O	SP-17	SP-DI-17	CIRCUIT BREAKER OPEN
M2A-OA	SP-17C	SP-DI-17C	CIRCUIT BREAKER OPEN
M2A-OB	SP-L2	SP-AI-L2	MOTOR CURRENT, PHASE B
M2A-OC	SP-L2C	SP-AI-L2C	MOTOR CURRENT, PHASE B
M2A-5A	M2A-5A	CP-DI-162	STARTER CONTACT NO
M2A-5B	M2A-5B	CP-DI-162A	STARTER CONTACT NO
M2A-7B	M2A-7B	CP-DI-419	STARTER CONTACT NC
M2A-7C	M2A-7C	CP-DI-419A	STARTER CONTACT NC
M24-A	SP-47	SP-DI-47	MOTOR HIGH TEMP/MOISTURE
M24-B	SP-47C	SP-DI-47C	MOTOR HIGH TEMP/MOISTURE

MCC UNIT 4A, LOW FLOW PUMP NO. 4 STARTER TERMINAL CONNECTIONS

TERMINAL NO.	WIRE NO.	ORIGINATION	DESCRIPTION OF INPUT
M4A-29	M4A-29	LFP4 CONTROL RECP	MOTOR TEMP/MOIST SENSOR
M4A-30	M4A-30	LFP4 CONTROL RECP	MOTOR TEMP/MOIST SENSOR
M4A-2	M4A-2	LFP4 LOCAL PUSH BUTTON STA.	START PUSH BUTTON
M4A-5	M4A-5	LFP4 LOCAL PUSH BUTTON STA.	START PUSH BUTTON
M4A-7	M4A-7	LFP4 LOCAL PUSH BUTTON STA.	STOP PUSH BUTTON
M4A-7A	M4A-7A	LFP4 LOCAL PUSH BUTTON STA.	STOP PUSH BUTTON
M4A-5	M4A-5	LFP4 LOCAL PUSH BUTTON STA.	MOTOR BUMP BUTTON
M4A-13	M4A-13	LFP4 LOCAL PUSH BUTTON STA.	MOTOR BUMP BUTTON
M4A-2	M4A-2	CP-DO-32A	FLOAT PUMP CALL
M4A-9	M4A-9	CP-DO-32	FLOAT PUMP CALL
M4A-2	M4A-2	SP-DO-P12	SCADA PUMP CALL
M4A-9	M4A-9	SP-DO-P12X	SCADA PUMP CALL

TERMINAL NO.	WIRE NO.	OUTPUT DESTINATION	DESCRIPTION OF OUTPUT
M4A-6	-	-	STARTER CONTACT NC
M4A-6A	-	-	STARTER CONTACT NC
M4A-OD	CP-1	CP-DI-1	MOTOR OVERLOAD
M4A-OE	CP-268A	CP-DI-268A	MOTOR OVERLOAD
M4A-30A	CP-283	CP-DI-283	MP4 HI-TEMP/MOIST
M4A-30B	CP-284	CP-DI-284	MP4 HI-TEMP/MOIST
M4A-2	M4A-2	LFP4 LOCAL PUSH BUTTON STA.	PUMP CALL LIGHT
M4A-X2	M4A-X2	LFP4 LOCAL PUSH BUTTON STA.	PUMP CALL LIGHT
M4A-1	M4A-1	LFP4 LOCAL PUSH BUTTON STA.	PUMP CALL LIGHT
M4A-19	M4A-19	LFP4 LOCAL PUSH BUTTON STA.	PUMP RUN LIGHT
M4A-X2	M4A-X2	LFP4 LOCAL PUSH BUTTON STA.	PUMP RUN LIGHT
M4A-1	M4A-1	LFP4 LOCAL PUSH BUTTON STA.	PUMP RUN LIGHT
M4A-11	SP-34	SP-DI-34	LF PUMP #4 NOT IN AUTO CONTROL
M4A-11A	SP-34C	SP-DI-34C	LF PUMP #4 NOT IN AUTO CONTROL
M4A-4A	SP-35	SP-DI-35	LF PUMP #4 STARTER CONTACT NO
M4A-4B	SP-35C	SP-DI-35C	LF PUMP #4 STARTER CONTACT NO
M4A-O	SP-36	SP-DI-36	CIRCUIT BREAKER OPEN
M4A-OA	SP-36C	SP-DI-36C	CIRCUIT BREAKER OPEN
M4A-OB	SP-L17	SP-AI-L17	MOTOR CURRENT, PHASE B
M4A-OC	SP-L17C	SP-AI-L17C	MOTOR CURRENT, PHASE B
M4A-5A	M4A-5A	CP-DI-162	STARTER CONTACT NO
M4A-5B	M4A-5B	CP-DI-162A	STARTER CONTACT NO
M4A-7B	M4A-7B	CP-DI-421	STARTER CONTACT NC
M4A-7C	M4A-7C	CP-DI-421A	STARTER CONTACT NC
M24-A	SP-47	SP-DI-47	MOTOR HIGH TEMP/MOISTURE
M24-B	SP-47C	SP-DI-47C	MOTOR HIGH TEMP/MOISTURE

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PUMP STATION NO. 48
REHABILITATION
**MAIN PUMPS AND LOW FLOW
PUMP TERMINAL SCHEDULE**
SCALE: N/A
DATE: 03-10-11
DRAWN BY: HFF
CHECKED BY: MS

