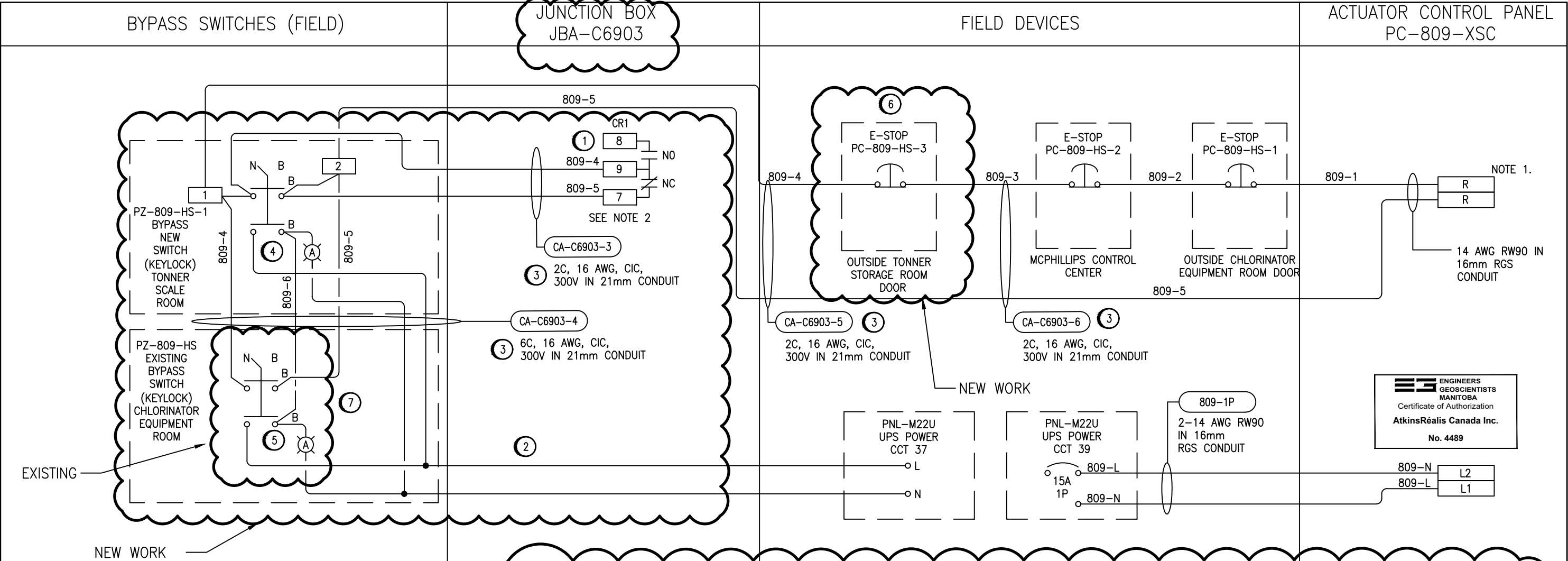


B SIZE - 279mm x 432mm



EQUIPMENT SCHEDULE		
EQUIP. TAG	DESCRIPTION	MANUFACTURER
PC-809-HS-1	NORMALLY CLOSED MUSHROOM EMERGENCY STOP PUSHBUTTON	VENDOR SUPPLIED
PC-809-HS-2	NORMALLY CLOSED MUSHROOM EMERGENCY STOP PUSHBUTTON	VENDOR SUPPLIED
PC-809-XSC	ECLIPSE HEXAGON MODEL II CONTROLLER	HALOGEN

CONSTRUCTION NOTES:

- OPERATION OF CR1 IS CONTROLLED BY CHLORINE GAS DETECTION HEADS AIT-C6903-1, AIT-C6903-2, AND AIT-C6903-3. SEE DRAWING 1-0640C-A0015, A0016, AND A0017
- REUSE EXISTING CONDUIT AND WIRING FROM UPS PANEL CCT-27. PROVIDE ANY ADDITIONAL CONDUIT, WIRING, JUNCTION BOXES OR MATERIALS REQUIRED TO MODIFY THE EXISTING WIRING TO FACILITATE A DIRECT CONNECTION TO THE EXISTING KEYLOCK BYPASS SWITCH AS SHOWN.
- PROVIDE NEW CABLE IN CONDUIT TO ACCOMMODATE NEW CHLORINE SYSTEM, NEW BYPASS CONTROLLER, AND NEW EMERGENCY E-STOP SWITCH.
- PROVIDE NEW BYPASS SWITCH C/W WITH PILOT LIGHT LOCATED IN THE TONNER SCALE ROOM. BYPASS SWITCH AND LIGHT TO BE HOUSED IN NEMA 4X ENCLOSURE. BOTH BYPASS SWITCHES ARE TO BE WIRED IN PARALLEL SUCH THAT CHLORINE CONTROLLER CAN BE BYPASS FROM THE ACTUATOR PANEL FROM EITHER ROOM.
- BYPASS SWITCH PZ-809-HS IS EXISTING.
- PROVIDE NEW E-STOP SWITCH FOR EMERGENCY ISOLATION FROM THE TONNER STORAGE ROOM ENTRANCE. E-STOP SHALL BE EQUIPPED WITH A PLASTIC COVER TO AVOID ACCIDENTAL ACTIVATION. PROVIDE LAMACOIDS SIMILAR TO EXISTING SWITCH. PROVIDE NEW CABLING FOR THE SYSTEM TO FACILITATE CONNECTION
- EXISTING BYPASS PANEL PROVIDES STATUS TO MAIN CONTROL PANEL AS PER SITE INVESTIGATION. EXISTING DRAWING DOES NOT SHOW THE WIRING. CONTRACTOR TO VERIFY WIRING ON SITE. NEW BYPASS PANEL IN TONNER SHALL BE WIRED IN PARALLEL TO EXISTING STATUS SIGNAL TO THE MAIN CONTROL PANEL. NEW CONTROL RELAY SHALL BE PROVIDED IN NEW BYPASS PANEL AS SHOWN ON ELEVATION DRAWING TO FACILITATE PLC CONNECTION. CONTRACTOR TO PROVIDE AS BUILT MARKUPS SHOWING THE FULL WIRING.

NOTES

- SETTED JUMPER JP2 ON ACTUATOR CONTROL PANEL PC-809-XSC TO ACCEPT 'NORMALLY CLOSED' DEVICES (JUMPER ON PINS 1 AND 2).
- ALARMS CONTACTS TO BE CONFIGURED FAIL SAFE
- THIS IS A NEW DRAWING OF AN EXISTING SYSTEM THAT IS BEING MODIFIED AS PART OF THE CHLORINE UPGRADES. EXISTING DRAWING OF THE SYSTEM COULD NOT BE LOCATED AND SIMILAR SYSTEM AT OTHER STATIONS WERE USED TO ILLUSTRATE THE SYSTEM CONFIGURATION. THE REVISION CLOUDS ILLUSTRATE THE MODIFIED SCOPE. IN ADDITION, THE CONTRACTOR IS TO CONFIRM THE EXISTING INFORMATION ON THE DRAWING AND PROVIDE AS-BUILT MARKUPS TO ENSURE DRAWING IS ACCURATE.
- REFER TO DRAWING 1-0640M-A0023 FOR JBA-C6903 LAYOUT DRAWING.
- REFER TO DRAWING 1-0640M-A0025 FOR BYPASS SWITCH PZ-809-HS-1 LAYOUT DRAWING.



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ENGINEER'S SEAL



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

MCPHILLIPS PUMPING STATION

LOOP DIAGRAM
CHLORINE EMERGENCY ISOLATION SYSTEM
PC-809-XSC MANUAL/AUTOMATIC SHUTDOWN

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0640C-A0026	001	00	B

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER AND CONSTRUCTION	2025/04/30	VE	VE

DESIGNED BY: V. ELIMBAN	CHECKED BY: V. ELIMBAN
DRAWN BY: B. WILKS	APPROVED BY: V. ELIMBAN
SCALE: NTS	DATE: 2023-09-30
ISSUED FOR CONSTRUCTION	
BY: M. SKINNER	DATE: 2025/04/30
CONSULTANT NO.:	