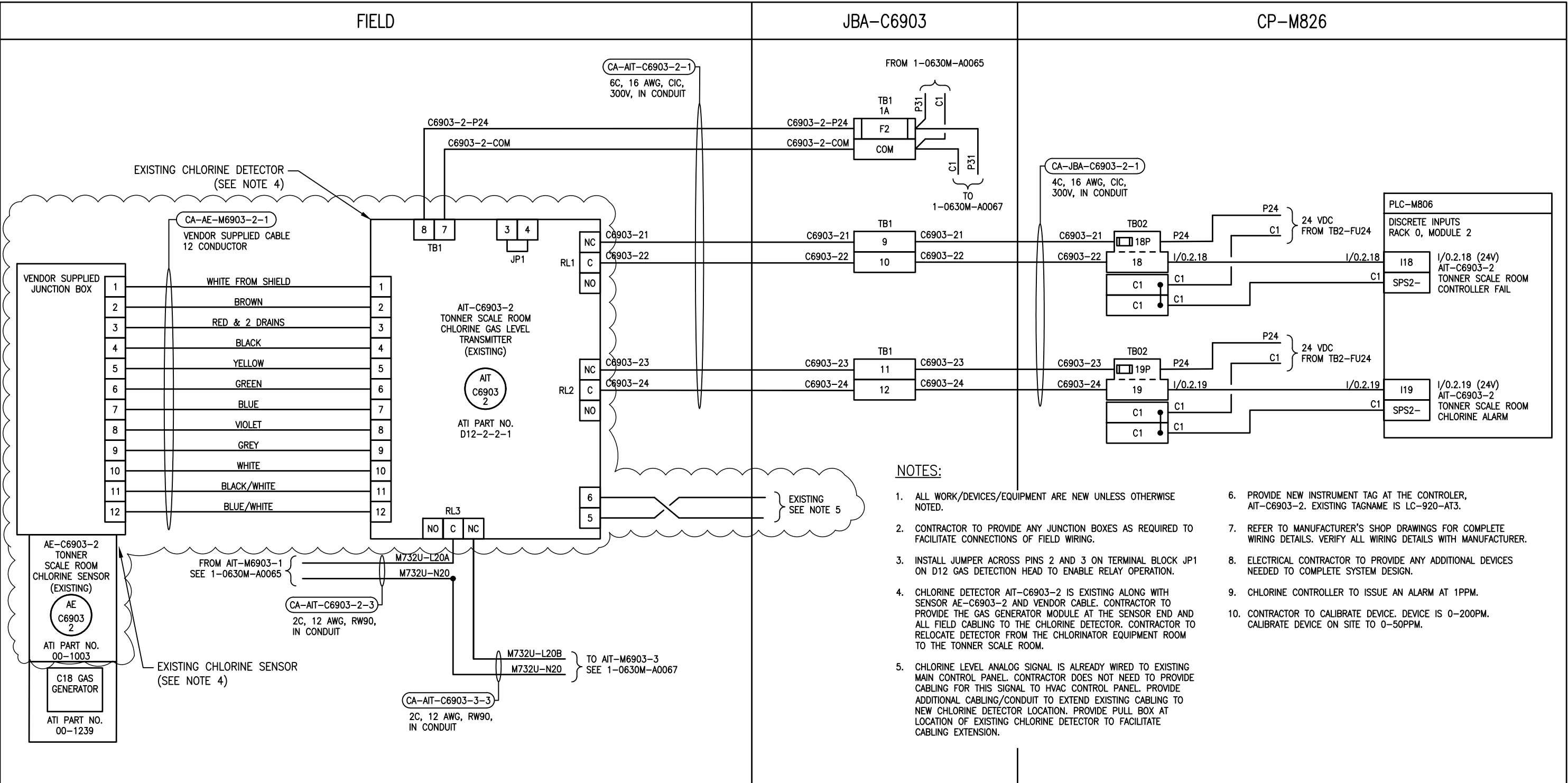


B SIZE - 279mm x 432mm



NOTES:

- ALL WORK/DEVICES/EQUIPMENT ARE NEW UNLESS OTHERWISE NOTED.
- CONTRACTOR TO PROVIDE ANY JUNCTION BOXES AS REQUIRED TO FACILITATE CONNECTIONS OF FIELD WIRING.
- INSTALL JUMPER ACROSS PINS 2 AND 3 ON TERMINAL BLOCK JP1 ON D12 GAS DETECTION HEAD TO ENABLE RELAY OPERATION.
- CHLORINE DETECTOR AIT-C6903-2 IS EXISTING ALONG WITH SENSOR AE-C6903-2 AND VENDOR CABLE. CONTRACTOR TO PROVIDE THE GAS GENERATOR MODULE AT THE SENSOR END AND ALL FIELD CABLING TO THE CHLORINE DETECTOR. CONTRACTOR TO RELOCATE DETECTOR FROM THE CHLORINATOR EQUIPMENT ROOM TO THE TONNER SCALE ROOM.
- CHLORINE LEVEL ANALOG SIGNAL IS ALREADY WIRED TO EXISTING MAIN CONTROL PANEL. CONTRACTOR DOES NOT NEED TO PROVIDE CABLING FOR THIS SIGNAL TO HVAC CONTROL PANEL. PROVIDE ADDITIONAL CABLING/CONDUIT TO EXTEND EXISTING CABLING TO NEW CHLORINE DETECTOR LOCATION. PROVIDE PULL BOX AT LOCATION OF EXISTING CHLORINE DETECTOR TO FACILITATE CABLING EXTENSION.
- PROVIDE NEW INSTRUMENT TAG AT THE CONTROLLER, AIT-C6903-2. EXISTING TAGNAME IS LC-920-AT3.
- REFER TO MANUFACTURER'S SHOP DRAWINGS FOR COMPLETE WIRING DETAILS. VERIFY ALL WIRING DETAILS WITH MANUFACTURER.
- ELECTRICAL CONTRACTOR TO PROVIDE ANY ADDITIONAL DEVICES NEEDED TO COMPLETE SYSTEM DESIGN.
- CHLORINE CONTROLLER TO ISSUE AN ALARM AT 1PPM.
- CONTRACTOR TO CALIBRATE DEVICE. DEVICE IS 0-200PM. CALIBRATE DEVICE ON SITE TO 0-50PPM.

ASSOCIATED REFERENCE DRAWINGS:
1-0630M-E0073
1-0630M-A0055
1-0630M-A0058



148 Nature Park Way
Winnipeg, Manitoba Canada R3P 0X7
204-786-8080

DESIGNED BY: B. WILKS	CHECKED BY: V. ELIMBAN
DRAWN BY: B. WILKS	APPROVED BY: V. ELIMBAN
SCALE: N.T.S.	DATE: 2023/06/11
ISSUED FOR CONSTRUCTION BY: M. SKINNER	DATE: 2025/04/30
CONSULTANT NO.:	

ENGINEER'S SEAL



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

MACLEAN PUMPING STATION
CHLORINE SYSTEM UPGRADES
LOOP DIAGRAM
CHLORINE DETECTION
AIT-C6903-2

CITY DRAWING NUMBER 1-0630M-A0066	SHEET 001	REV. 00	SIZE B
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NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER AND CONSTRUCTION	2025/04/30	VE	VE