



PUMP HOUSE AND CHLORINE BUILDING PLAN

SCALE: 1 : 100

1-0640C-E0012	ELECTRICAL - HAZARDOUS LOCATION, CHLORINE BLDG GROUND LEVEL
1-0640C-E0006	PANELBOARD SCHEDULE
1-0640C-E0015	ELECTRICAL EQUIPMENT AND INSTRUMENTATION PLAN
1-0640M-A0058	CONTROL SYSTEM ARCHITECTURE
DRAWING NUMBER	REFERENCE DRAWINGS

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

0.0 1.0 2.0 4.0 6.0

1:100

ENGINERS
GEOSCIENTISTS
MANITOBA
Certificate of Authorization
AtkinsRéalis Canada Inc.
No. 4489

GENERAL NOTES:

1. ALL CONDUIT AND CABLING IS NEW AND TO BE PROVIDED BY THE CONTRACTOR.
2. ALL EQUIPMENT SHOWN ON THIS DRAWING IS NEW UNLESS OTHERWISE INDICATED AS EXISTING. EXISTING EQUIPMENT IS SHOWN FOR REFERENCE.

SPECIFIC NOTES:

- 1 CONTRACTOR TO PROVIDE AND RUN FIBRE OPTIC CABLEING IN CONDUIT FROM EXISTING HVAC CONTROL PANEL CP-M826 IN PUMPHOUSE BUILDING MECHANICAL ROOM TO REMOTE I/O CONTROL PANEL CP-C827 IN CHLORINE BUILDING EQUIPMENT ROOM. REFER TO DRAWING 1-0640M-A0058. CABLE ROUTE SHOWN IS FOR ILLUSTRATION AND IS NOT NECESSARILY INDICATIVE OF THE ACTUAL ROUTE. CONTRACTOR TO DETERMINE BEST CABLE ROUTE BASED ON EXISTING EQUIPMENT INFRASTRUCTURE.
- 2 APPROXIMATE LOCATION OF EXISTING CHLORINE ALARM STROBES IN PUMPHOUSE FLOOR. CONTRACTOR TO TIE EXISTING STROBES TO NEW CHLORINE DETECTION SYSTEM IN CHLORINE BUILDING. PROVIDE AND MODIFY CABLING AND CONDUIT ACCORDINGLY.
- 3 REFER TO DRAWING 1-0640C-E0015 FOR ELECTRICAL EQUIPMENT LAYOUT.

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SCALE: 1:100 ISSUED FOR CONSTRUCTION
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DATE: 2024/03/11 DATE: 2025/04/30

NO. REVISIONS DATE DESIGN CHECK
CONSULTANT NO.:

ENGINEER'S SEAL

THE CITY OF WINNIPEG
Winnipeg WATER AND WASTE DEPARTMENT

MCPHILLIPS PUMPING STATION
ELECTRICAL AND HVAC UPGRADES, MCC REPLACEMENT
ELECTRICAL EQUIPMENT PLAN
PUMP HOUSE AND CHLORINE BUILDING
GROUND LEVEL AND SERVICE TUNNELS

CITY DRAWING NUMBER SHEET REV. SIZE
1-0640C-E0013 001 00 A1