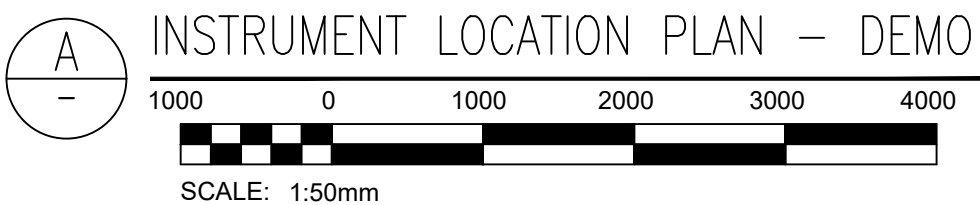


GENERAL NOTES:

- ELECTRICAL SUB CONTRACTOR TO VISIT SITE PRIOR TO SUBMITTING BID, REVIEW EXISTING SITE THOROUGHLY AND CONFIRM EXISTING DEVICES LOCATIONS, EXISTING WIRING ROUTING AND FAMILIARIZE WITH SCOPE OF DEMOLITION AND RENOVATION WORK. NO ADDITIONAL COST WILL BE CONSIDERED FOR ITEMS THAT WOULD HAVE BEEN OBSERVABLE ON SITE.
- EXISTING WIRING INSTALLED THROUGH PROPOSED DEMOLITION AND RENOVATION AREA BUT FEEDING OTHER EXISTING ADJACENT AREAS SHALL REMAIN OPERATIONAL. WHERE CONFLICT CANNOT BE AVOIDED, THE NEW WIRING SHALL BE MODIFIED AS NECESSARY TO SUIT THE SITE CONDITIONS. THE MODIFICATION SHALL COMPLY WITH LATEST EDITION OF CEC AND LOCAL REGULATIONS.
- DISRUPT THE FUNCTIONALITY OF SYSTEMS ONLY AS ACCEPTABLE BY THE CONTRACT ADMINISTRATOR. PROVIDE NOTICE AND COORDINATE WORK WITH ALL PARTIES TO MINIMIZE DISRUPTION.
- POWER INTERRUPTION SHALL BE KEPT TO A MINIMUM. ELECTRICAL SUB CONTRACTOR SHALL ADVISE CONTRACT ADMINISTRATOR PRIOR TO ANY SHUTDOWN NECESSARY FOR WORK AND COORDINATE SUITABLE TIME FOR WORK.
- ANY MATERIALS BEING REMOVED SHALL BE OFFERED TO THE CONTRACT ADMINISTRATOR. ACCEPTED MATERIALS SHALL BE PLACED ON SITE AT CONTRACT ADMINISTRATORS DIRECTION. DECLINED MATERIALS SHALL BE REMOVED FROM SITE TO APPROPRIATE RECYCLING FACILITY BY ELECTRICAL SUB CONTRACTOR. NO ADDITIONAL COST WILL BE CONSIDERED FOR AN ITEM THAT IS REQUIRED TO BE DISPOSED.
- WHERE 'TYPICAL' IS USED, IT APPLIES TO ALL SIMILAR DEVICES ALSO INDICATED ON PLANS.
- ONGOING NEWPCC DCS UPGRADE PROJECT WILL IMPACT CONTROL ROOM LAYOUT AND CONTENTS. SITE CONDITIONS MAY VARY FROM THOSE SHOWN. COORDINATE WITH NEW PCS INSTALLATION WHERE REFERENCED DCS EQUIPMENT HAS ALREADY BEEN REPLACED.

KEYNOTES:

- DEMOLISH, CUT BACK AND MAKE SAFE ALL INSTRUMENTATION AND CONTROLS ASSOCIATED WITH EXISTING BOILER 5 INCLUDING ALL FIELD INSTRUMENTS AND CONTROL WIRING TO BOILER 5 CONTROL PANEL AND DCS CABINET 'DA' IN CONTROL ROOM. REFER TO P&ID DRAWINGS FOR DETAILS.
- DEMOLISH, CUT BACK AND MAKE SAFE ALL INSTRUMENTATION AND CONTROL ASSOCIATED WITH PUMPS B551-1BP35 AND B551-1BP36, INCLUDING LOCK-OUT SWITCH (LOS) AND E-STOP BUTTON.
- DEMOLISH, CUT BACK AND MAKE SAFE ALL ELECTRICAL ASSOCIATED WITH INTERIM BOILERS B-5A AND B-5B.
- RELOCATE THE EXISTING HOT WATER SUPPLY TEMPERATURE DISPLAY PANEL B500-TCIA AND B501-TIA. EXISTING MOUNTING SUPPORT SHALL BE REUSED. EXTEND THE EXISTING 2 PR 16 AWG, BELDEN ACIC CABLE AND PROVIDE TERMINATION JUNCTION BOX C/W TERMINAL BLOCKS AS REQUIRED. REFER TO REFERENCE DRAWING 1 FOR NEW LOCATION.
- EXISTING BP-5D AND ASSOCIATED HAND SWITCH SHALL BE RELOCATED AND RE-TAGGED. REFER TO RENOVATION DRAWING, REF DRAWING 1, FOR NEW LOCATION.
- EXISTING SUSPENDED ALUMINUM CABLE TRAY AND ASSOCIATED POWER CONTROL CABLES FROM BOILER CONTROL PANEL TO EXISTING PCU 'DA' AND DISTRIBUTION PANEL SHALL BE REMOVED.
- EXISTING POWER AND CONTROL CABLES FOR THE EXISTING BOILER PLANT'S HOT WATER TEMPERATURE AND METHANE GAS DETECTOR TRANSMITTERS LOCATED ON CABLE TRAY WHICH IS TO BE DEMOLISHED, SHALL BE RELOCATED. MOUNT CABLES TO THE CEILING AND EXTEND CABLES AS REQUIRED.
- EXISTING MCC-1B AND MCC-2B TO BE DEMOLISHED ENTIRELY. DISCONNECT EXISTING AUTOMATION CONNECTIONS AND RECONNECT TO NEW MCCS. EXTEND CABLING AS FIELD CONDITIONS REQUIRE. STAGE DEMOLITION SUCH THAT ONE MCC REMAINS OPERATIONAL AT ALL TIMES. SECOND MCC MUST REMAIN IN OPERATION UNTIL FIRST REPLACEMENT MCC AND ITS SUPPLIED LOADS ARE FULLY OPERATIONAL TO THE SATISFACTION OF THE OWNER.
- EXISTING NATURAL GAS SAFETY SHUT-OFF AND SOLENOID VALVES SHALL BE REPLACED WITH NEW. DISCONNECT AND RETAIN EXISTING WIRING FOR THE NEW INSTALLATION.
- EXISTING DIGESTER GAS SAFETY SHUT-OFF AND SOLENOID VALVES SHALL BE REPLACED WITH NEW. DISCONNECT AND RETAIN EXISTING WIRING FOR THE NEW INSTALLATION.
- RELOCATE THE EXISTING JUNCTION BOX FOR SPHERE LEVEL. REFER TO DRAWING REFERENCE DRAWING 1 FOR THE NEW LOCATION.
- EXISTING DIGESTER GAS PROCESS PIPING TO BE REPLACED. EXISTING FLOW METER, PRESSURE SWITCH, AND ASSOCIATED CONTROL WIRING TO REMAIN. REINSTALL INSTRUMENTS AND WIRING AFTER NEW PIPING IS INSTALLED.



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2	1-0101-EGAD-B001-001	ELECTRICAL — EQUIPMENT LAYOUT
1	1-0101-AGAD-B001-001	AUTOMATION — INSTRUMENT LOCATION PLAN
NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
REFERENCE DRAWINGS		

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

**ENGINEERS
GEOSCIENTISTS
MANITOBA**
Certificate of Authorization
KGS Group
No. 245

B.M. ELEV.			
CONSTRUCTION COMPLETION DATE: YYYY MM DD			
1	RE-ISSUED FOR CONSTRUCTION	2025 04 30	
0	ISSUED FOR CONSTRUCTION	2025 03 25	CLR
NO.	REVISIONS	DATE	BY

KGS GROUP			
DESIGNED BY	DG	CHECKED BY	CLR
DRAWN BY	DIS	APPROVED BY	CLR
SCALE:	AS SHOWN		
DATE	2025 02 20	DATE	

ENGINEER'S SEAL	
CONSULTANT DRAWING NUMBER	
23-0107-010_PB_AD1-01	

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION	
NORTH END SEWAGE TREATMENT PLANT (NEWPCC) NEWPCC BOILER REPLACEMENT 2025-2026 AREA B — BOILER ROOM	
AUTOMATION INSTRUMENT LOCATION PLAN — DEMOLITION	
CITY DRAWING NUMBER	1-0101-AGAD-BD01-001
SHEET	1 OF 1

PLOT DATE: 2025 04 30

BID OPPORTUNITY: 277-2025
CONTRACT NUMBER:

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