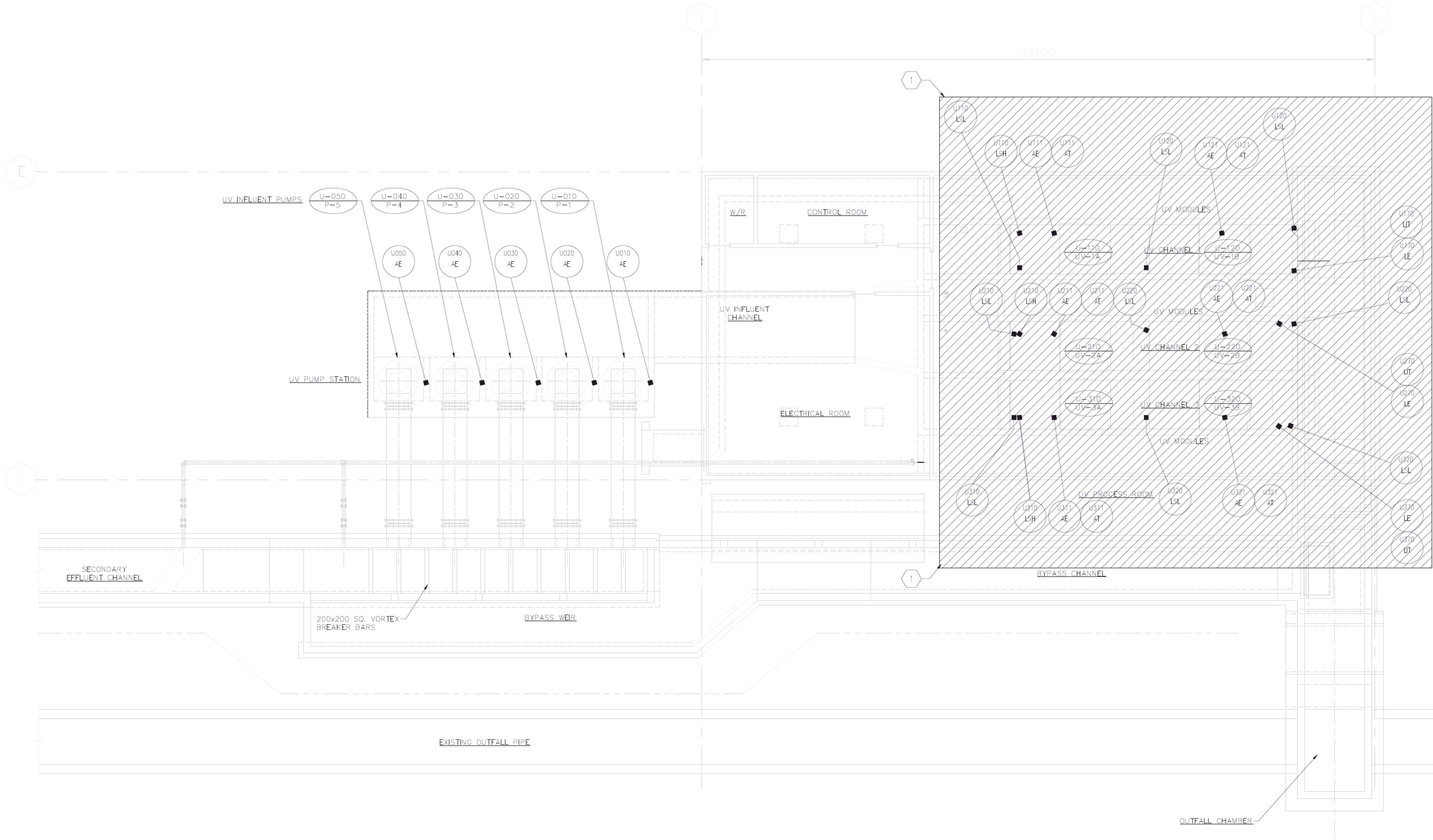


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PATH: C:\Users\Chavez\OneDrive\AECOM\City of Winnipeg - NEWPCC Upgrades 2023\Project Files\00 Design Collaboration\UV Upgrades\Automation\CAD\UD-A102.dwg



PLAN
SCALE 1:100

DEMOLITION NOTES:
1. INSTRUMENTS ASSOCIATED WITH EXISTING UV SYSTEM TO BE DEMOLISHED.



00 ISSUED FOR TENDER				2025-02-26	MS	SB
NO. REVISIONS				DATE	DESIGN	CHECK

AECOM

DESIGNED BY: CR
DRAWN BY: RC
SCALE: 1:50
DATE: 2023-07-24
CONSULTANT NO.: UD-A102

CHECKED BY: SB
APPROVED BY: SB
RELEASED FOR CONSTRUCTION BY:
DATE:



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

NEWPCC - SECONDARY EFFLUENT
UV DISINFECTION FACILITY
AUTOMATION
EXISTING UV DISINFECTION FACILITY
INSTRUMENT LOCATION PLAN - DEMOLITION ABOVE EL. 232.238

CITY DRAWING NUMBER

SHEET 00
REV. 00
SIZE A1

TENDER NO. 30-2025



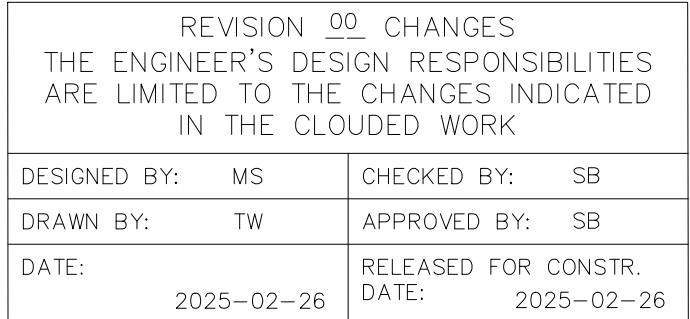
NOTES:

1. PORT NUMBERS ON NSW-U9110/9210 WILL BE SITE VERIFIED, CONTRACTOR TO REDLINE THE DRAWING ACCORDINGLY TO PROVIDE FINAL TERMINATION PORT NUMBER
2. REDUNDANT CONTROL NETWORK TERMINATION TO UV SYSTEM CONTROL CENTER SCC. PROVIDE A SEPARATE CONDUIT AND ROUTING FOR EACH CONNECTION.
3. PROVIDE AND INSTALL TEMPORARY NSW-U8002 IN EXISTING UV NETWORK PANEL NP-U9000, PROVIDE POWER AND INTERNAL TERMINATION AS PART OF UV UPGRADE PROJECT SCOPE. NSW-U8002 WITH ALL NETWORK TERMINATIONS WILL BE MOVED TO UV AREA PLC PANEL DURING DCS MIGRATION PROJECT OF UV AREA.
4. COORDINATE WITH CONTRACT ADMINISTRATOR AND THE CITY TO PROVIDE SUFFICIENT CABLE SLACK TO RE-ROUTE THE CABLES TO FUTURE INSTALLED PLC PANEL DURING UV AREA DCS MIGRATION PROJECT.

Customer Name/DC/Accountable/Company/Address/Telephone		
NO.	DRAWING TITLE	DRAWING NUMBER
REFERENCE DRAWING		



					AECOM		ENGINEER'S SEAL		Winnipeg THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT NEWPCC - SECONDARY EFFLUENT UV DISINFECTION FACILITY AUTOMATION NETWORK ARCHITECTURE DIAGRAM NP-U900					
							DESIGNED BY: MS CHECKED BY: SDS DRAWN BY: TW APPROVED BY: SRB SCALE: NONE RELEASED FOR CONSTRUCTION BY: DATE: 2025-07-24 DATE:		PROVINCE OF MANITOBA M. SARIO Member 46571 REGISTERED PROFESSIONAL ENGINEER 2025-02-28Rev. 00					
00	ISSUED FOR TENDER		2025-02-26	MS	SB	CONSULTANT NO.:		U0-A601		CITY DRAWING NUMBER		SHEET	REV.	SIZE
NO.	REVISIONS		DATE	DESIGN	CHECK							001	00	A1



- ENGINEERS
GEOSCIENTISTS
MANITOBA**
- Certificate of Authorization
- AECOM Canada ULC
- No. 4671

AECOM

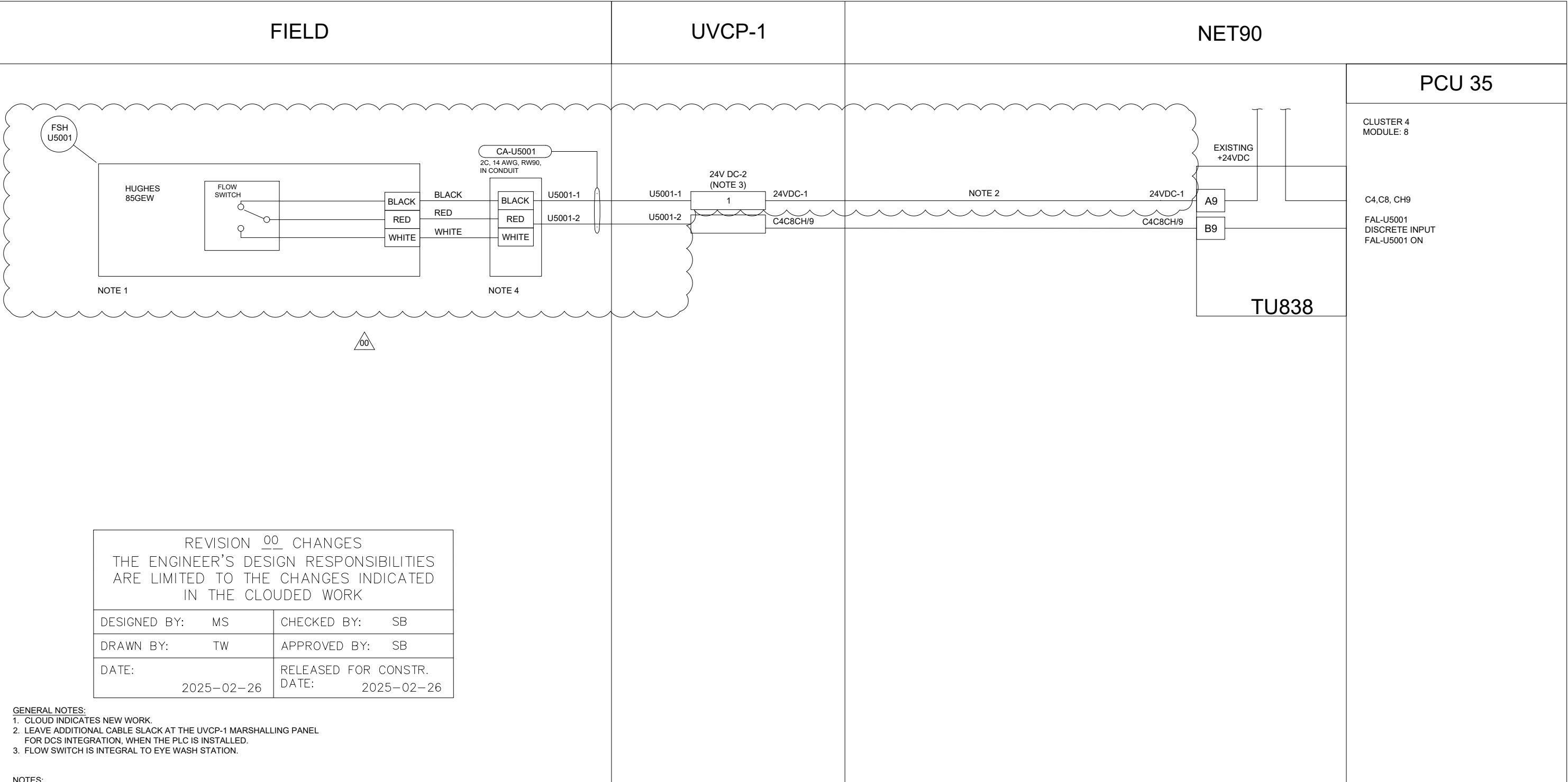


THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

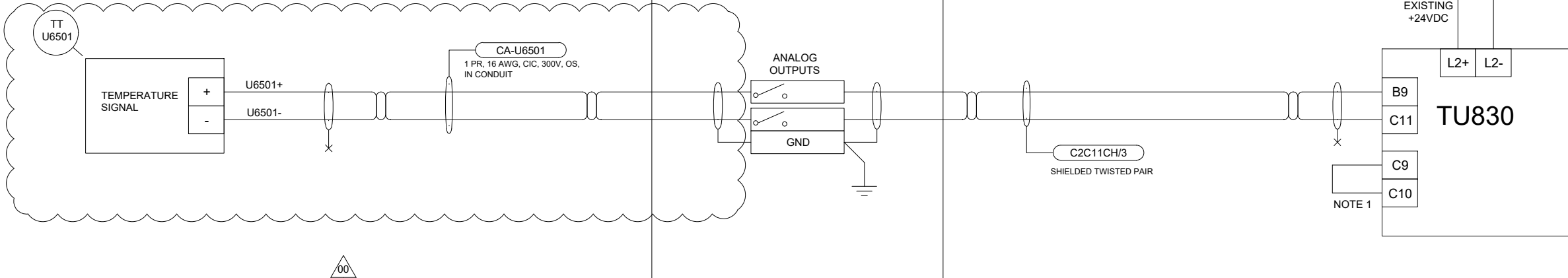
NORTH END SEWAGE TREATMENT PLANT
UV DISINFECTION FACILITY
AUTOMATION
LOOP DIAGRAM
GARAGE DOOR

CITY DRAWING NUMBER	SHEET 001	REV. 00	SIZE B
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B SIZE - 279mm x 432mm



B SIZE - 279mm x 432mm



REVISION <u>00</u> CHANGES THE ENGINEER'S DESIGN RESPONSIBILITIES ARE LIMITED TO THE CHANGES INDICATED IN THE CLOUDED WORK			
DESIGNED BY:	MS	CHECKED BY:	SB
DRAWN BY:	TW	APPROVED BY:	SB
DATE:	2025-02-26	RELEASED FOR CONSTR. DATE:	2025-02-26

GENERAL NOTES:

- CLOUD INDICATES NEW WORK.
- LEAVE ADDITIONAL CABLE SLACK AT THE UVCP-1 MARSHALLING PANEL FOR DCS INTEGRATION, WHEN THE PLC IS INSTALLED.
- ADD FERULES TO ALL STRANDED FIELD CONDUCTORS.

NOTES:

- ADD JUMPER.

**ENGINEERS
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MANITOBA**

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No. 4671

AECOM				
00	ISSUED FOR TENDER	2025-02-26	KA	MS
	REVISIONS	DATE	DESIGN	CHECK

DESIGNED BY:	CHECKED BY:
MS	SB
DRAWN BY:	APPROVED BY:
TW	SB
SCALE:	DATE:
NTS	2024-01-08
ISSUED FOR CONSTRUCTION	
BY:	DATE:
CONSULTANTNO.: U2-A003	

ENGINEER'S SEAL



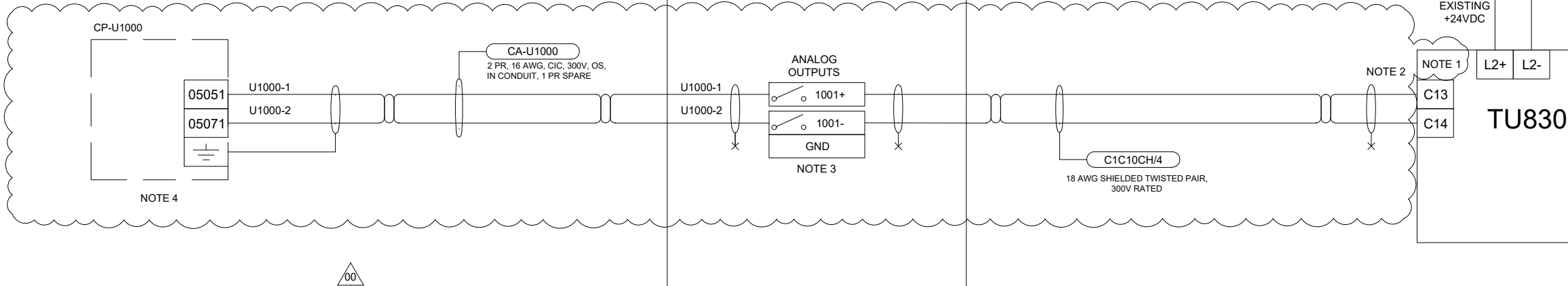
2025-02-28 Rev. 00

**THE CITY OF WINNIPEG**
WATER AND WASTE DEPARTMENT

NORTH END SEWAGE TREATMENT PLANT
UV DISINFECTION FACILITY
AUTOMATION
LOOP DIAGRAM
TT-U6501

CITY DRAWING NUMBER	SHEET	REV.	SIZE
	001	00	B

B SIZE - 279mm x 432mm



REVISION <u>00</u> CHANGES THE ENGINEER'S DESIGN RESPONSIBILITIES ARE LIMITED TO THE CHANGES INDICATED IN THE CLOUDED WORK			
DESIGNED BY:	MS	CHECKED BY:	SB
DRAWN BY:	TW	APPROVED BY:	SB
DATE:	2025-02-26	RELEASED FOR CONSTR. DATE:	2025-02-26

GENERAL NOTES:
1. CLOUD INDICATES NEW WORK.
2. LEAVE ADDITIONAL CABLE SLACK AT THE UVCP-1 MARSHALLING PANEL FOR DCS INTEGRATION, WHEN THE PLC IS INSTALLED.
3. ADD FERULES TO ALL STRANDED FIELD CONDUCTORS.

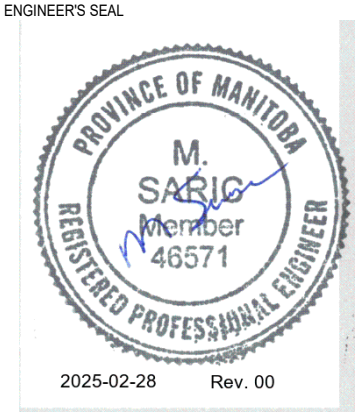
NOTES:
1. CONFIGURE AO820 MODULE FOR 4-20 mA CONTROL.
2. DISCONNECT EXISTING CABLE AT TU830 AND PROVIDE NEW.
3. INSTALL NEW TERMINAL BLOCKS AS DEPICTED, MATCH EXISTING MAKE.
4. REFER TO UV VENDOR DRAWINGS FOR GROUNDING LOCATION.

**ENGINEERS
GEOSCIENTISTS
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No. 4671

00	ISSUED FOR TENDER	2025-02-26	TW	MS
	REVISIONS	DATE	DESIGN	CHECK

AECOM

DESIGNED BY:	CHECKED BY:
MS	SB
DRAWN BY:	APPROVED BY:
TW	SB
SCALE:	DATE:
NTS	2024-01-08
ISSUED FOR CONSTRUCTION	
BY: DATE:	
CONSULTANTNO.: U2-A004	



**THE CITY OF WINNIPEG**
WATER AND WASTE DEPARTMENT

NORTH END SEWAGE TREATMENT PLANT
UV DISINFECTION FACILITY
AUTOMATION
LOOP DIAGRAM
FIC-U1001

CITY DRAWING NUMBER	SHEET	REV.	SIZE
	001	00	B