



**DEMOLITION NOTES:**

1. PROVIDE DEMOLITION OF THE EXISTING LEVEL TRANSMITTERS AND LEVEL SENSORS (QUANTITY 16, NOT SHOWN). DEMOLISH ALL EXISTING CABLING, CONDUIT, AND SUPPORTS. RETAIN EXISTING LEVEL TRANSMITTER SUPPORT ANGLES.

**CONSTRUCTION NOTES:**

1. PROVIDE AND INSTALL NEW SLUDGE BLANKET LEVEL TRANSMITTERS AND SENSORS. REFER TO INSTALLATION DETAILS DRAWING 1-0101-ADTL-S001. REFER TO TABLE 1 FOR LEVEL INSTRUMENT TAGS. SENSORS SHALL BE POSITIONED TO AVOID EFFLUENT TROUGHS.
2. PROVIDE AND INSTALL NEW BRIDGE POSITION PROXIMITY SWITCHES AND GALVANIZED STEEL BRIDGE POSITION SENSING PLATES. REFER TO INSTALLATION DETAILS DRAWING 1-0101-ADTL-S002. REFER TO TABLE 2 FOR ASSOCIATED CLARIFIER NUMBERS AND PROXIMITY SWITCH TAGS.
3. INSTALL THE GALVANIZED STEEL PLATE FOR SENSING BRIDGE POSITION TO ALLOW FOR THE CONTROL SYSTEM TO SAMPLE THE SLUDGE LEVEL WHEN THE BRIDGE IS IN THE MID-TRAVEL POSITION ALONG THE LENGTH OF THE CLARIFIER. COORDINATE WITH THE CONTRACT ADMINISTRATOR FOR THE EXACT LOCATION OF THE GALVANIZED STEEL PLATE.

**TABLE 1 - LEVEL INSTRUMENT TAGS**

BRIDGE NO.	CLARIFIER NO.	LEVEL INSTRUMENT TAG
1	11	LE/LIT-S711
1	12	LE/LIT-S712
2	13	LE/LIT-S713
2	14	LE/LIT-S714
3	15	LE/LIT-S715
3	16	LE/LIT-S716
4	17	LE/LIT-S717
4	18	LE/LIT-S718
5	19	LE/LIT-S719
5	20	LE/LIT-S720
6	21	LE/LIT-S721
6	22	LE/LIT-S722
7	23	LE/LIT-S723
7	24	LE/LIT-S724
8	25	LE/LIT-S725
8	26	LE/LIT-S726

**TABLE 2 - PROXIMITY SWITCH TAGS**

BRIDGE NO.	CLARIFIER NO.	PROXIMITY SWITCH TAG
1	12	ZS-S712
2	13	ZS-S713
3	16	ZS-S716
4	17	ZS-S717
5	20	ZS-S720
6	21	ZS-S721
7	24	ZS-S724
8	25	ZS-S725

**INSTRUMENT LOCATION PLAN**

SCALE: 1:40

METRIC  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES



1 : 40

**ENGINEERS  
GEOSCIENTISTS  
MANITOBA**  
Certificate of Authorization  
**AtkinsRéalis Canada Inc.**  
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DATE: 2025/06/06  
DATE: 2026/01/30

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR CONSTRUCTION	2026/01/30	SW	BC

ENGINEER'S SEAL

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

NORTH END SEWAGE TREATMENT PLANT  
SECONDARY CLARIFIERS SLUDGE BLANKET LEVEL DETECTION  
INSTRUMENT LOCATION PLAN

CITY DRAWING NUMBER: 1-0101-AGAD-S001  
SHEET: 00  
REV.: 00  
SIZE: A1

1-0101-DAAA-S002	DRAWING INDEX
DRAWING NUMBER	REFERENCE DRAWINGS