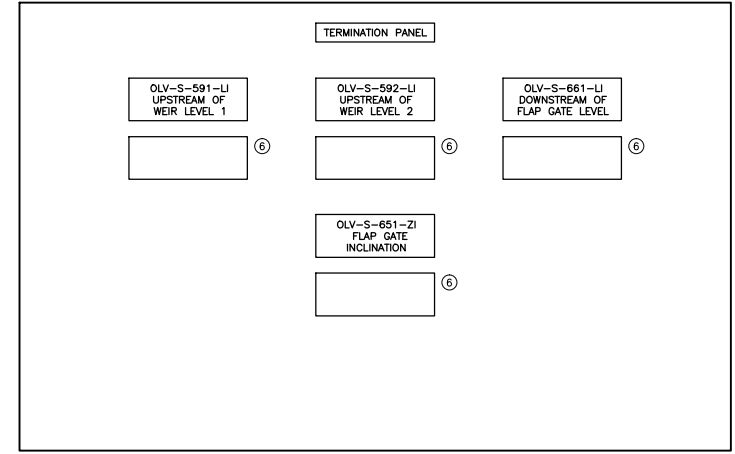
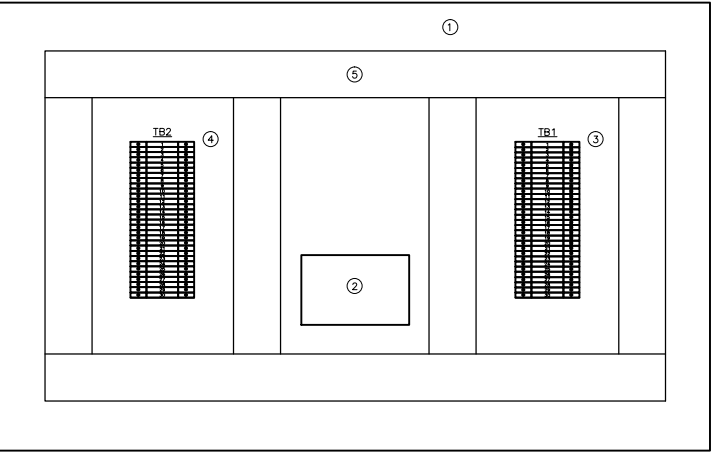
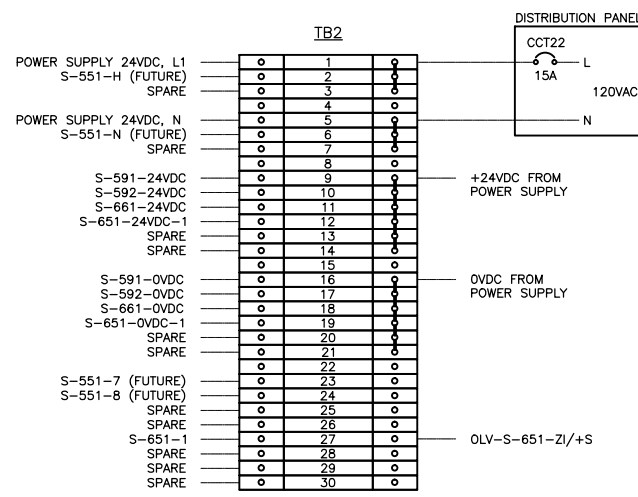
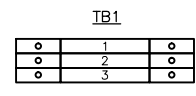


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 2013/08/22 10:20 AM By: Betker, Kyle



**NOTES**

- 1) TERMINAL BLOCKS WEIDMULLER #WDU4
- 2) FUSED TERMINAL BLOCKS WEIDMULLER #WSI6:
- TERMINAL BLOCK 1, C/W FUSE 1A
- TERMINAL BLOCK 2, C/W FUSE 1A
- TERMINAL BLOCK 3, C/W FUSE 1A
- TERMINAL BLOCK 9, C/W FUSE 500mA
- TERMINAL BLOCK 10, C/W FUSE 500mA
- TERMINAL BLOCK 11, C/W FUSE 500mA
- TERMINAL BLOCK 12, C/W FUSE 500mA
- TERMINAL BLOCK 13, C/W FUSE 500mA
- TERMINAL BLOCK 14, C/W FUSE 500mA
- 3) JUMPERS: 1-3; 5-7; 9-14; 16-21

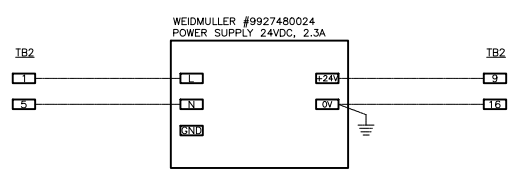


- 1) FUSED TERMINAL BLOCKS WEIDMULLER #WSI6, C/W 500mA FUSE
- 2) FEED-THROUGH TERMINAL BLOCKS WEIDMULLER #WDU4
- 3) FEED-THROUGH TERMINAL BLOCKS WEIDMULLER #WDU4
- 4) REPEAT FOR ALL AIs AND AOs.

**TB2 STRIP DETAIL**

**TB1 STRIP DETAIL**

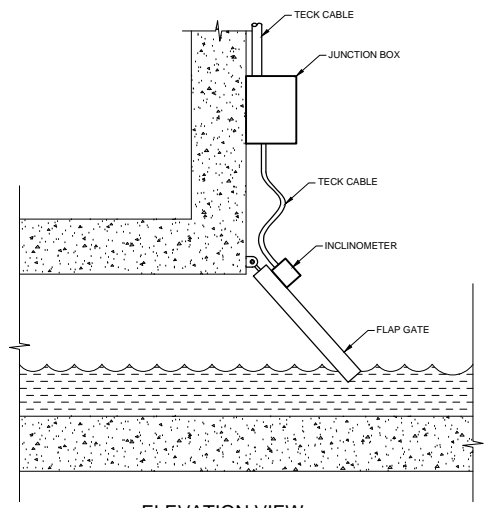
**TERMINATION PANEL DETAIL**



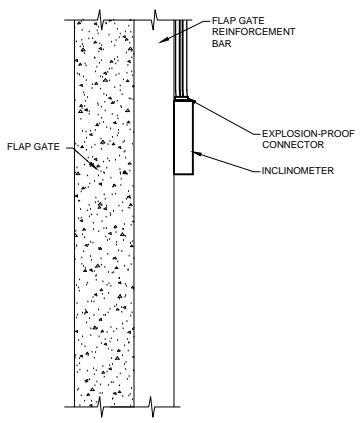
**POWER SUPPLY 24VDC WIRING DETAIL**

**LEGEND**

- 1) HOFFMAN #CSD20248 TYPE 12 ENCLOSURE C/W PANEL #CP2420
- 2) WEIDMULLER #9927480024 POWER SUPPLY 24VDC, 2.3A
- 3) TB1 TERMINAL BLOCKS STRIP. SEE DETAIL.
- 4) TB2 TERMINAL BLOCKS STRIP. SEE DETAIL.
- 5) PANDUIT #E1X2LG6 WIRE DUCT C/W COVER #C1LG6
- 6) SIEMENS #7ML5741 DIGITAL INDICATOR



**ELEVATION VIEW**



**PLAN VIEW**

**GENERAL NOTES**

- 1) CABLE SHALL BE SECURED ON THE FLAP GATE CHAMBER WALL AND FLAP GATE.
- 2) EXTRA CABLE SHALL BE PROVIDED TO RELIEVE CABLE STRESS AT THE JUNCTION OF THE FLAP GATE AND THE CHAMBER WALL.
- 3) INSTRUMENT AND JUNCTION BOX MOUNTING BRACKET NEED TO BE ADJUSTED ACCORDING TO FLAP GATE DESIGN.
- 4) EXPLOSION-PROOF CONNECTOR SHALL BE SEALED WITH EPOXY TO PREVENT GAS MIGRATION.

**RST INSTRUMENTS INCLINOMETER INSTALLATION DETAIL**

No.	INSTRUMENT TAG	DESCRIPTION	MANUFACTURER	MODEL	PLC I/O TYPE	POWER SUPPLY	LOCATION
1	OLV-S-591-LIT	HYDROSTATIC LEVEL TRANSMITTER	ENDRESS+HAUSER	FMX21	1X AI	24VDC	UPSTREAM OF WEIR 1
2	OLV-S-592-LIT	HYDROSTATIC LEVEL TRANSMITTER	ENDRESS+HAUSER	FMX21	1X AI	24VDC	UPSTREAM OF WEIR 2
3	OLV-S-661-LIT	HYDROSTATIC LEVEL TRANSMITTER	ENDRESS+HAUSER	FMX21	1X AI	24VDC	DOWNSTREAM OF FLAP GATE
4	OLV-S-651-ZT	INCLINATION TRANSMITTER	RST INSTRUMENTS	ICEX360A	1X AI	24VDC	FLAP GATE

**INSTRUMENT LIST**

No.	CABLE TAG	FROM	TO	DESCRIPTION	MANUFACTURER	CATALOG No.	NOTE
1	S-591-LIT/L-S-591-TP	OLV-S-591-LIT	OLV-S-591-LX	#16 AWG, 2-PAIR, TWISTED, SHIELDED, TECK 90	TEXCAN	C3-9326-1602-19	4-20mA
2	S-592-LIT/L-S-592-TP	OLV-S-592-LIT	OLV-S-592-LX	#16 AWG, 2-PAIR, TWISTED, SHIELDED, TECK 90	TEXCAN	C3-9326-1602-19	4-20mA
3	S-661-LIT/L-S-661-TP	OLV-S-661-LIT	OLV-S-661-LX	#16 AWG, 2-PAIR, TWISTED, SHIELDED, TECK 90	TEXCAN	C3-9326-1602-19	4-20mA
4	S-651-ZT/S-TBN2-JB/L-S-651-TP	OLV-S-651-ZT	TERMINATION PANEL	#16 AWG, 2-PAIR, TWISTED, SHIELDED, TECK 90	TEXCAN	C3-9326-1602-19	4-20mA
5		DISTRIBUTION PANEL	TERMINATION PANEL	#12 AWG, 2C, TECK 90	TEXCAN	05002-01-010	POWER 120VAC

**CABLE LIST**

**WARNING**

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

- 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
- 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

SEE PROVINCIAL REGULATION 140/92 FOR DETAILS

**METRIC**

WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**APEGM**  
Certificate of Authorization  
Stantec Consulting Ltd.  
No. 1301

LOCATION APPROVED UNDERGROUND STRUCTURES			
SUPV. U/G STRUCTURES COMMITTEE	DATE		
F	AS-BUILT DRAWING	13.07.24	S.T.
E	ISSUED FOR CLIENT REVIEW	13.05.31	S.T.
D	ISSUED FOR CLIENT REVIEW	13.04.15	J.C.
C	ISSUED FOR CLIENT REVIEW	13.04.01	J.C.
B	ISSUED FOR CLIENT REVIEW	12.07.13	J.C.
A	ISSUED FOR CLIENT REVIEW	12.06.08	J.C.
NO.	REVISIONS	DATE	BY

**Stantec Consulting Ltd.**  
905 Waverley Street, Winnipeg, Manitoba  
Tel 204-489-5900 Fax 204-453-9012

DESIGNED BY	S.T.	CHECKED BY	B.J.
DRAWN BY	S.T.	APPROVED BY	B.J.
HOR. SCALE:	N.T.S.	RELEASED FOR CONSTRUCTION:	
VERTICAL:		DATE	2012.06.06

ENGINEER'S SEAL

CONSULTANT DRAWING NO.  
**E-2202**

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

**CSO OUTFALL MONITORING**  
OLIVE STREET

TERMINATION PANEL LAYOUT  
INSTRUMENT LIST, CABLE LIST

SHEET	OF
1	1
CAD FILE DRAWING NUMBER 13650e-2202-olv.dwg	
CITY DRAWING NUMBER <b>I-0169-A-A0203-001-00</b>	