



TERMINATION PANEL WIRING DETAIL

Signal Name	Terminal	Terminal	Terminal
FRONT GATE OPEN STATUS	1	2	3
FRONT GATE CLOSED STATUS	4	5	6
END GATE OPEN STATUS	7	8	9
END GATE CLOSED STATUS	10	11	12
END GATE PROXIMITY SENSOR	13	14	15
HOLDING TANK No.1 HIGH LEVEL	16	17	18
HOLDING TANK No.1 LOW LEVEL	19	20	21
HOLDING TANK No.2 HIGH LEVEL	22	23	24
HOLDING TANK No.2 LOW LEVEL	25	26	27
BUILDING FLOOD ALARM	28	29	30
BUILDING LOW TEMPERATURE ALARM	31	32	33
BUILDING INTRUSION ALARM	34	35	36
VALVE SBV1 OPEN STATUS	37	38	39
VALVE SBV1 CLOSED STATUS	40	41	42
VALVE SBV2 OPEN STATUS	43	44	45
VALVE SBV2 CLOSED STATUS	46	47	48
SAMPLER 1 RUN STATUS	49	50	51
SAMPLER 1 FAULT STATUS	52	53	54
SAMPLER 1 HOA SWITCH IN HAND	55	56	57
SAMPLER 1 HOA SWITCH IN AUTO	58	59	60
SAMPLER 2 RUN STATUS	61	62	63
SAMPLER 2 FAULT STATUS	64	65	66
SAMPLER 2 HOA SWITCH IN HAND	67	68	69
SAMPLER 2 HOA SWITCH IN AUTO	70	71	72
SUMP PIT HIGH LEVEL	73	74	75
BOILER B-1a RUN STATUS	76	77	78
BOILER B-1b RUN STATUS	79	80	81
HRV-1 FILTER HIGH DIFF. PRESS.	82	83	84
HRV-1 RETURN FILTER HIGH DIFF. PRESS.	85	86	87
HRV-1 SUPPLY AIR FLOW SWITCH	88	89	90
HYDRONIC SYSTEM PUMP P-1a RUN STATUS			
HYDRONIC SYSTEM PUMP P-1a FAULT STATUS			
HYDRONIC SYSTEM PUMP P-1b RUN STATUS			
HYDRONIC SYSTEM PUMP P-1b FAULT STATUS			
HYDRONIC SYSTEM PUMP P-2 RUN STATUS			
HYDRONIC SYSTEM PUMP P-2 FAULT STATUS			
SAMPLING CARUSEL POSITION SWITCH 1			
SAMPLING CARUSEL POSITION SWITCH 2			

TERMINATION PANEL TB1 STRIP (DI)

ADMIN BLDG. CONTROL ROOM
ABB BAILEY #IMDS102 DI CARD

Signal Name	Terminal	Terminal	Terminal
FRONT GATE OPEN COMMAND	1	2	3
END GATE OPEN COMMAND	4	5	6
SAMPLER 1 START/STOP	7	8	9
SAMPLER 2 START/STOP	10	11	12
VALVE SBV1 OPEN	13	14	15
VALVE SBV1 CLOSE	16	17	18
VALVE SBV2 OPEN	19	20	21
VALVE SBV2 CLOSE	22	23	24
COMMON ALARM	25	26	27
HRV-1 HIGH SPEED	28	29	30
HRV-1 LOW SPEED			
HYDRONIC SYSTEM PUMP P-1a RUN			
HYDRONIC SYSTEM PUMP P-1b RUN			
SAMPLING CARUSEL MOTOR START			

TERMINATION PANEL TB2 STRIP (DO)

ADMIN BLDG. CONTROL ROOM
ABB BAILEY #IMDS014 DO CARD

Signal Name	Terminal	Terminal	Terminal
LINE No.1 FLOW METER	1	2	3
LINE No.2 FLOW METER	4	5	6
HOLDING TANK No.1 LEVEL TRANSMITTER	7	8	9
HOLDING TANK No.2 LEVEL TRANSMITTER	10	11	12
LINE No.1 HYDROCARBON DETECTOR	13	14	15
LINE No.2 HYDROCARBON DETECTOR	16	17	18
HRV-1 OUTSIDE AIR TEMPERATURE	19	20	21
HRV-1 SUPPLY AIR TEMPERATURE	22	23	24
HYDRONIC SYSTEM GHS GLYCOL TEMPERATURE	25	26	27
	28	29	30
	31	32	33
	34	35	36

TERMINATION PANEL TB3 STRIP (AI)

ADMIN BLDG. CONTROL ROOM
ABB BAILEY #IMFEC12 AI CARD

Signal Name	Terminal	Terminal	Terminal
CONTROL VALVE CV-2 CONTROL	1	2	3
	4	5	6

TERMINATION PANEL TB4 STRIP (AO)

ADMIN BLDG. CONTROL ROOM
ABB BAILEY #MAS001 AO CARD

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO.	REVISIONS	DATE	BY
A	ISSUED FOR TENDER	10.02.16	S.T.

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DESIGNED BY: S.T.	CHECKED BY: D.D.
DRAWN BY: S.T.	APPROVED BY: —
HOR. SCALE: —	RELEASED FOR CONSTRUCTION: —
VERTICAL: —	DATE: 09.11.20

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

Winnipeg

**SOUTH END WATER POLLUTION CONTROL CENTRE
HAULED WASTEWATER RECEIVING FACILITIES
HAULED WASTEWATER RECEIVING BUILDING**

DCS I/Os

TENDER NO. 822-2009 CITY DRAWING NUMBER 1-0102A-A0016-001 SHEET 1 OF 1



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METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES