City of Winnipeg Water Treatment Program Construction of Standby Generator Building Bid Opportunity No. 498-2006-Addendum 8

INSTRUMENT INDEX

RECORD	DEV	REV. TAG DESCRIPTION		DESCRIPTION				STRUMENT INDEX		CHDDLIED	INCTALLED		CDEC	DolD	INICTOLIMENT	INCTALLATION	LOCATION
		TAG			MANUFACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE			SUPPLY	RANGE		BY	ВҮ		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
1	0	LE-T101A	Level Element	Clearwell Cell No.1 Level						Contractor	Contractor		I120	WT-P001	WB-A0455	WB-A0401	
2	0	LT-T101A	Level Indicator Transmiiter	Clearwell Cell No.1 Level			120v			Contractor	Contractor		I120	WT-P001	WB-A0455	WB-A0402	\longrightarrow
3	0	LE-T101B	Level Element	Clearwell Cell No.1 Level						Contractor	Contractor		I120	WT-P001	WB-A0455	WB-A0401	
4	0	LT-T101B	Level Indicator Transmiiter	Clearwell Cell No.1 Level			120V			Contractor	Contractor		l120	WT-P001	WB-A0455	WB-A0402	
5	2	FI-T102A	Sample Flow Indicator	Clearwell Chloramination Analyzer Sample Flow								Deleted from bid opportunity 498- 2006					
6	2	AE-T102A	Analyzer Element	Clearwell Total Chlorine, Total Ammonia, Free Ammonia and Monochloramine								Deleted from bid opportunity 498- 2006					
7	2	AT-T102A	Analyzer/Transmitter	Clearwell Total Chlorine, Total Ammonia, Free Ammonia and Monochloramine								Deleted from bid opportunity 498- 2006					
8	2	FI-T103A	Sample Flow Indicator	Clearwell Free Chlorine Analyzer Sample Flow								Deleted from bid opportunity 498- 2006					
9	2	AE-T103A	Analyzer Element	Clearwell Free Chlorine								Deleted from bid opportunity 498- 2006					
10	2	AT-T103A	Free Chlorine Analyzer/Transmitter	Clearwell Free Chlorine								Deleted from bid opportunity 498- 2006					
11	2	FI-T104A	Sample Flow Indicator	Clearwell pH Analyzer Sample Flow								Deleted from bid opportunity 498- 2006					
12	2	AE-T104A	Analyzer Element	Clearwell pH								Deleted from bid opportunity 498- 2006					
13	2	AT-T104A	pH Analyzer/Transmitter	Clearwell pH								Deleted from bid opportunity 498- 2006					
14	2	FI-T105A	Sample Flow Indicator	Clearwell Turbidity Analyzer Sample Flow								Deleted from bid opportunity 498- 2006					
15	2	AE-T105A	Analyzer Element	Clearwell Turbidity								Deleted from bid opportunity 498- 2006					
16	2	AT-T105A	Turbidity Analyzer/Transmitter	Clearwell Turbidity								Deleted from bid opportunity 498- 2006					
17	0	LE-T201A	Level Element	Clearwell Cell No.2 Level						Contractor	Contractor		I120	WT-P001	WB-A0455	WB-A0401	
18	0	LT-T201A	Level Indicator Transmiiter	Clearwell Cell No.2 Level			120V			Contractor	Contractor		l120	WT-P001	WB-A0455	WB-A0402	
19	0	LE-T201B	Level Element	Clearwell Cell No.2 Level						Contractor	Contractor		l120	WT-P001	WB-A0455	WB-A0401	
20	0	LT-T201B	Level Indicator Transmiiter	Clearwell Cell No.2 Level			120V			Contractor	Contractor		l120	WT-P001	WB-A0455	WB-A0402	
21	2	FI-T202A	Sample Flow Indicator	Clearwell Chloramination Analyzer Sample Flow								Deleted from bid opportunity 498- 2006					
22	2	AE-T202A	Analyzer Element	Clearwell Total Chlorine, Total Ammonia, Free Ammonia and Monochloramine								Deleted from bid opportunity 498- 2006					
23	2	AT-T202A	Analyzer/Transmitter	Clearwell Total Chlorine, Total Ammonia, Free Ammonia and Monochloramine								Deleted from bid opportunity 498- 2006					
24	2	FI-T203A	Sample Flow Indicator	Clearwell Free Chlorine Analyzer Sample Flow								Deleted from bid opportunity 498- 2006					
25	2	AE-T203A	Analyzer Element	Clearwell Free Chlorine								Deleted from bid opportunity 498- 2006					
26	2	AT-T203A	Free Chlorine Analyzer/Transmitter	Clearwell Free Chlorine								Deleted from bid opportunity 498- 2006					
27	2	FI-T204A	Sample Flow Indicator	Clearwell pH Analyzer Sample Flow								Deleted from bid opportunity 498- 2006					
28	2	AE-T204A	Analyzer Element	Clearwell pH								Deleted from bid opportunity 498- 2006					
29	2	AT-T204A	pH Analyzer/Transmitter	Clearwell pH								Deleted from bid opportunity 498- 2006					
30	2	FI-T205A	Sample Flow Indicator	Clearwell Turbidity Analyzer Sample Flow								Deleted from bid opportunity 498- 2006					
31	2	AE-T205A	Analyzer Element	Clearwell Turbidity								Deleted from bid opportunity 498- 2006					

INSTRUMENT INDEX

RECORD REV. TAG		TAG				POWER	CALIBRATED		SUPPLIED	INSTALLED		SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION	
NO.	No.	NAME	INSTRUMENT TYPE	DESCRIPTION SERVICE	MANUFACTURER	MODEL	SUPPLY	RANGE	MOUNTING	BY	ВУ	COMMENTS	DATA SHEET		LOOP DIA.	DETAIL	DWG.
32	2		Turbidity Analyzer/Transmitter	Clearwell Turbidity			50.75					Deleted from bid opportunity 498- 2006			200.200		
33																	
34	0	1.0.110.204	Loyal Cuitab	Canacatas Duilding Cump Dit High Laugh Cuitah			1201/		Drooket	Contractor	Contractor		1125	WC D0001	WD 404/2	WD 4040/	—
35	0	LS-H920A	Level Switch	Generator Building Sump Pit High Level Switch			120V		Bracket	Contractor	Contractor	Wired to Fuel System Control Panel	l125	WG-P0001	WB-A0463	WB-A0406	
36	1	LE-E901A	Level Element	Generator GN-E901A Day Tank Leak Detection						Supply Contractor	Contractor	LCP-H908A		WG-P0002			WG-H0110
37	1	LS-E901B	Level Switch	Generator GN-E901A Day Tank Level						Supply Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
38	1	LS-E901D	Level Switch	Generator GN-E901A Day Tank Level						Supply Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
39	1	SOL-E901A	Solenoid Valve	Generator GN-E901A Day Tank Fill Valve						Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
40	1	LE-E902A	Level Element	Generator GN-E902A Day Tank Leak Detection						Supply Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
41	1	LS-E902B	Level Switch	Generator GN-E902A Day Tank Level						Supply Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
42	1	LS-E902D	Level Switch	Generator GN-E902A Day Tank Level						Supply Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
43	1	SOL-E902A	Solenoid Valve	Generator GN-E902A Day Tank Fill Valve						Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
44	1	LE-E903A	Level Element	Generator GN-E903A Day Tank Leak Detection						Supply Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
45	1	LS-E903B	Level Switch	Generator GN-E903A Day Tank Level						Supply Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
46	1	LS-E903D	Level Switch	Generator GN-E903A Day Tank Level						Supply Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
47	1	SOL-E903A	Solenoid Valve	Generator GN-E903A Day Tank Fill Valve						Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
48	1	LT-H901A	Level Transmitter	Bulk Fuel Storage Tank TNK-H901A Level						Supply Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
49	1	LE-H901A	Level Element	Bulk Fuel Storage Tank TNK-H901A Leak Detection						Supply Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
50	1	LT-H902A	Level Transmitter	Bulk Fuel Storage Tank TNK-H902A Level						Supply Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
51	1	LE-H902A	Level Element	Bulk Fuel Storage Tank TNK-H902A Leak Detection						Supply Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
52	2	LE-H904A	Level Element	Fuel Transfer System Leak Detection						Supply Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
53	2	LE-H905A	Level Element	Fuel Transfer System Leak Detection						Supply Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
	2	LE-H906A	Level Element	Fuel Transfer System Leak Detection						Supply Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
	2	LE-H907A	Level Element	Fuel Transfer System Leak Detection						Supply Contractor	Contractor	Wired to Fuel System Control Panel LCP-H908A		WG-P0002			WG-H0110
0890 0891	1		Level Switch Level Switch	Valve FV-T301A Chamber Flood Valve FV-T302A Chamber Flood			120V 120V		Bracket Bracket	Contractor Contractor	Contractor Contractor		I126 I126	WD-P0002 WD-P0002	WB-A0458 WB-A0458	WB-A0406 WB-A0406	+
0892	1			Cell 1 Raw Water Valve Chamber Air Gap Flooded			120V		Bracket	Contractor	Contractor	Switch to be mounted over plastic container. Container Connected to valve air gap with suitable pipework and valves	1126	VVD-1 0002	WB-A0458	WG-P0003	