

June 12, 2018

Dear Sir:

Attached is Addendum No. 1 dated June 12, 2018 to the Specifications for The Manitoba Water Services Board Contract No. M.W.S.B. 1419, Prairie View Municipality, Birtle Water Supply System, Birtle WTP and Associated Works. Please verify receipt of this Addendum for our records by fax to (204) 726-6290.



**ACKNOWLEDGEMENT OF RECEIPT OF ALL ADDENDUMS
MUST BE INCLUDED IN THE TENDER SUBMISSION.**

Failure to include acknowledgement shall cause the tender to be rejected. If Tender is submitted before Addendum is issued, the Board will accept a faxed acknowledgement prior to the tender closing.

Yours truly,

R. Lytle
Construction Manager

The Manitoba Water Services Board
Unit #1A - 2010 Currie Blvd.
Brandon, MB R7B 4E7

Dear Sir:

We have received Addendum No. 1 dated June 12, 2018 to the Specifications for The Manitoba Water Services Board Contract No. M.W.S.B. 1419, Prairie View Municipality, Birtle Water Supply System, Birtle WTP and Associated Works.

Yours truly,

Company

Per

THE MANITOBA WATER SERVICES BOARD

CONTRACT NO. M.W.S.B. 1419

**PRAIRIE VIEW MUNICIPALITY
BIRTLE WATER SUPPLY SYSTEM**

BIRTLE WTP AND ASSOCIATED WORKS

ADDENDUM NO. 1

To the tender documents for the Prairie View Municipality, Birtle Water Supply System, Birtle WTP and Associated Works

June 12, 2018

PRECEDENCE

This addendum forms an integral part of the specifications describing all aspects of the work and is to be read in conjunction therewith.

SCOPE

The purpose of this addendum is to amend the following sections of the Tender Documents:

1.1 SECTION 40 05 51 - PROCESS VALVES

- .1 Item 2.8 - Hydraulically Operated Globe Valve
 - .1 Revise CV-7100; delete remote pilot sensing.
 - .2 Revise CV-7681; model shall be Cla-Val 643-01, with solenoid control.
- .2 Item 2.11 - Air Release-Well Service Valve
 - .1 Revised Size: 25 mm threaded or flanged connection
 - .2 Standard of Acceptance: Valmatic 101ST, or equals by Cla-Val, Apco and Crispin
- .3 Add Item 2.19 - Well Seal
 - .1 To be used to seal the concrete pump base around the drop pipe for the submersible jockey pump.
 - .2 Cast iron, split top and bottom plate.
 - .3 Single drop pipe model, with grommet kit for pass through of power cable.
 - .4 Standard of Acceptance: Boshart, or equal.

1.2 DRAWING 4977-03-A-102

- .1 Clarification of wall types:
 - .1 Revise the common wall between the Vestibule Room 101 and Office Room 104 to Wall Type 3.
 - .2 Revise the common wall between the Office Room 104 and Unisex Locker Room 106 to Wall Type 9.
 - .3 Revise the common wall between the Shower Room 107 and Unisex W/C Room 108 to all Wall Type 5.
 - .4 Revise the common wall between the Unisex W/C Room 108 and Process Area Room 102 to Wall Type 3.

1.3 DRAWING 4977-03-A-601

- .1 Clarification of Wall Type Schedule:
 - .1 Delete all references to “Batt Insulation” for interior walls.
 - .2 Soundproofing insulation **is** required for the common walls of Office Room 104.
 - .1 Standard of Acceptance: Rockwool Safe’N’Sound or equal.
- .2 Revise Wall Type 4:
 - .1 Delete Type X gypsum board from under the metal liner panel.
- .3 Revise Wall Type 6:
 - .1 Add “16 Moisture Resistance Type X G.B.” to one side **only**, between metal liner panel and plywood.
- .4 Revise Wall Type 7:
 - .1 Use **152** Steel Studs @ 400 O/C.
- .5 Delete revision notes from Titleblock.

1.4 DRAWING 4977-03-D-601/602 - EQUIPMENT SCHEDULE

- .1 Replace the drawings noted above with the attached revision 1, dated June 11, 2018.

1.5 DRAWING 4977-03-D-603/604 - VALVE SCHEDULE

- .1 Replace the drawings noted above with the attached revision 1, dated June 11, 2018.

END OF ADDENDUM #1

IF NOT 50 mm ADJUST SCALES

SCALES SHOWN ARE INTENDED FOR ANSI D (2204) SIZE DRAWINGS. TABLOID (11X17) SIZE DRAWINGS ARE 1/2 OF SCALES SHOWN UNLESS NOTED OTHERWISE

P:\2017\4977\00_MWSSB_Birtle\Working_Dwg\400_Process_Mech\400_Mech\4077-03-4601-604.dwg
 DATE: 2018-06-11, Designer: Pastorn

EQUIPMENT SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	SIZE	SUPPLIED BY	COMMENTS
FTR-2100	GREENSAND FILTER	DELCO	-	EQUIP. SUPPLIER	1-2 L/SEC
MTU-3101	MTU SKID 1	DELCO	-	EQUIP. SUPPLIER	5.5 L/SEC
MTU-3102	MTU SKID 2	DELCO	-	EQUIP. SUPPLIER	5.5 L/SEC
BLO-2200	FILTER AIR SCOUR	-	-	EQUIP. SUPPLIER	
CV-2002	RAW WATER CONTROL VALVE (OPEN/CLOSE)	-	200	EQUIP. SUPPLIER	CLOSES ON WTP SHUT DOWN
FV-2101	FILTER CONTROL VALVE	-	100	EQUIP. SUPPLIER	RAW IN
FV-2103	FILTER CONTROL VALVE	-	100	EQUIP. SUPPLIER	TREATED EFFLUENT
FV-2104	FILTER CONTROL VALVE	-	150	EQUIP. SUPPLIER	BACKWASH WASTE
FV-2105	FILTER CONTROL VALVE	-	50	EQUIP. SUPPLIER	FILTER PARTIAL DRAIN
FV-2106	FILTER CONTROL VALVE	-	150	EQUIP. SUPPLIER	BACKWASH SUPPLY
FV-2107	FILTER CONTROL VALVE	-	100	EQUIP. SUPPLIER	FILTER TO WASTE
FCV-2110	FLOW CONTROL VALVE	-	100	EQUIP. SUPPLIER	MODULATING FILTER EFFLUENT
FV-2120	CONTROL VALVE	-	50	EQUIP. SUPPLIER	AIR SCOUR SUPPLY
ARV-2292	AIR SCOUR ARV	-	80	EQUIP. SUPPLIER	AIR RELEASE VALVE
CV-2701	RAW TURB. FLOW CONTROL (OPEN/CLOSE)	-	25	EQUIP. SUPPLIER	CLOSES ON WTP SHUT DOWN
CV-2711	TREATED TURB. FLOW CONTROL (OPEN/CLOSE)	-	25	EQUIP. SUPPLIER	CLOSES ON WTP SHUT DOWN
CV-7100	VALLEY PRESSURE REDUCING VALVE	-	150	GC	REDUCES PRESSURE TO VALLEY SUPPLY
CV-7681	TRUCK FILL VALVE	-	80	GC	TRUCK FILL CONTROLS
CV-7682	DRAIN VALVE	-	25	GC	TRUCK FILL CONTROLS
FE-2001	RAW WATER MAGMETER	-	100	GC	
FIT-2001	RAW WATER MAGMETER	-	-	GC	REMOTE DISPLAY
PI-2002	PRESSURE INDICATING / ELEMENT	-	-	GC	
PIT-2002	PRESSURE INDICATING TRANSMITTER	-	-	GC	DISPLAY IN PSI
PI-2003	PRESSURE GAUGE	ASHCROFT	-	GC	100mm FACE
PG-2011	PRESSURE GAUGE	ASHCROFT	-	GC	100mm FACE
AE-2101	RAW WATER TURBIDIMETER	HACH	-	EQUIP. SUPPLIER	COMPLETE WITH AUTOMATIC CLEANER
FIT-2101	FILTER EFFLUENT FLOW METER	-	100	EQUIP. SUPPLIER	
AE-2105	TREATED WATER TURBIDIMETER	-	-	EQUIP. SUPPLIER	
PIT-2111	PRESSURE INDICATING / ELEMENT	-	-	EQUIP. SUPPLIER	
PIT-2112	PRESSURE INDICATING / ELEMENT	-	-	EQUIP. SUPPLIER	
PI-2121	PRESSURE GAUGE	-	-	GC	100mm FACE
PI-2122	PRESSURE GAUGE	-	-	GC	100mm FACE
FE-2701	BACKWASH FLOW METER	-	150	GC	
FIT-2701	MAGNETIC	-	150	GC	
FI-2705	ROTAMETER - TURBIDIMETER	-	12	EQUIP. SUPPLIER	TREATED EFFLUENT
FI-2105	ROTAMETER - TURBIDIMETER	-	12	EQUIP. SUPPLIER	RAW IN
FE-4302	BLENDED FLOW METER	-	100	GC	
FIT-4302	BLENDED FLOW METER	-	100	GC	REMOTE DISPLAY
LIT-6001	ULTRASONIC	-	-	GC	WASTE PIT
LAHH-6010	HIGH LEVEL ALARM FLOAT SWITCH	-	-	GC	WASTE PIT

EQUIPMENT SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	SIZE	SUPPLIED BY	COMMENTS
LALL-6012	LOW LEVEL ALARM FLOAT SWITCH	-	-	GC	WASTE PIT
TS-6015	TEMP SWITCH	-	-	EQUIP. SUPPLIER	CIP TANK
LSH-6019	FLOAT SWITCH	-	-	EQUIP. SUPPLIER	CIP TANK
LSL-6020	FLOAT SWITCH	-	-	EQUIP. SUPPLIER	CIP TANK
LE-6100	ULTRASONIC	-	-	GC	WASTE PIT
LIT-6100	ULTRASONIC REMOTE DISPLAY	-	-	GC	WASTE PIT
FI-6101	PROCESS WASTEWATER FLOW	-	100	GC	
FIT-6101	PROCESS WASTEWATER FLOW	-	100	GC	Remote Display
PG-7011	PRESSURE GAUGE	ASHCROFT	-	GC	100mm FACE
PG-7031	PRESSURE GAUGE	ASHCROFT	-	GC	100mm FACE
PG-7021	PRESSURE GAUGE	ASHCROFT	-	GC	100mm FACE
PG-7041	PRESSURE GAUGE	ASHCROFT	-	GC	100mm FACE
PG-7051	PRESSURE GAUGE	ASHCROFT	-	GC	100mm FACE
FE-7101	LUNDY SUPPLY FLOW METER	-	100	GC	
FIT-7101	LUNDY SUPPLY FLOW METER	-	100	GC	REMOTE DISPLAY
PE-7103	PRESSURE CONTROL	-	-	GC	VFD CONTROL FOR PUMPS
PI-7103	PRESSURE CONTROL	-	-	GC	DISPLAYS IN PSI
PIT-7103	PRESSURE CONTROL	-	-	GC	VFD CONTROL FOR PUMPS
PG-7111	PRESSURE GAUGE	ASHCROFT	-	GC	100mm FACE
PG-7123	PRESSURE GAUGE	ASHCROFT	-	GC	100mm FACE
AE-7200	CHLORINE ANALYZER	-	-	GC	DISTRIBUTION RESIDUAL
FE-7201	VALLEY FLOW METER	-	100	GC	
FIT-7201	VALLEY FLOW METER	-	100	GC	REMOTE DISPLAY
PE-7203	PRESSURE MONITOR	-	-	GC	VALLEY PRESSURE MONITOR
PI-7203	PRESSURE MONITOR	-	-	GC	DISPLAY IN PSI
PIT-7203	PRESSURE MONITOR	-	-	GC	VALLEY PRESSURE MONITOR
PG-7211	PRESSURE GAUGE	ASHCROFT	-	GC	100mm FACE
PG-7222	PRESSURE GAUGE	ASHCROFT	-	GC	100mm FACE
PG-7223	PRESSURE GAUGE	ASHCROFT	-	GC	100mm FACE
PG-7600	PRESSURE GAUGE	ASHCROFT	-	GC	100mm FACE
FE-7602	TRUCK FILL FLOW METER	-	80	GC	TRUCK FILL CONTROLS
FIT-7602	TRUCK FILL FLOW METER	-	80	GC	SET TO 5 L/SEC
PG-7700	PRESSURE GAUGE	ASHCROFT	-	GC	100mm FACE
FI-7701	TURBINE METER (DOMESTIC WATER)	-	32	GC	
LIT-8001	ULTRASONIC DISPLAY	-	-	GC	RESERVOIR CELL 2
LE-8001	ULTRASONIC	-	-	GC	RESERVOIR CELL 1
LIT-8002	ULTRASONIC DISPLAY	-	-	GC	RESERVOIR CELL 2
LE-8002	ULTRASONIC	-	-	GC	RESERVOIR CELL 2
LAHH-8011	RESERVOIR HIGH LEVEL ALARM	-	-	GC	RESERVOIR CELL 2
LALL-8031	RESERVOIR PUMP LOCK OUT	-	-	GC	RESERVOIR CELL 3

REV	DATE	DESIGN	DRAWN	DESCRIPTION
1	2018JUN11	K. ANDERSON	D. PASTORIN	REVISED FOR ADDENDUM #1
0	2018JUN05	K. ANDERSON	T. DYCHKO	ISSUED FOR TENDER



**PRAIRIE VIEW MUNICIPALITY
 BIRTLE WATER SUPPLY SYSTEM**

**BIRTLE WTP & ASSOC. WORKS
 M.W.S.B. # 1419
 20174977-03**

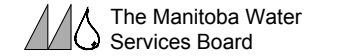
SCALE: N/A
 PROCESS
 EQUIPMENT SCHEDULE
 SHEET 1

DRAWING	REVISION	SHEET
4977-03-D-601	1	50 / 83

IF NOT 50 mm ADJUST SCALES

SCALES SHOWN ARE INTENDED FOR ANSI D (22X4) SIZE DRAWINGS. TABLOID (11X17) SIZE DRAWINGS ARE 1/2 OF SCALES SHOWN UNLESS NOTED OTHERWISE

P:\2017\4977\00_MWSS_Birtle\Working_Dwg\400_Process_Mech\400_Process_Mech\400_Process_Mech\400_Process_Mech.dwg
DATE: 2018-06-11, Designer: Pastorin



EQUIPMENT SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	SIZE	SUPPLIED BY	COMMENTS
AE-8100	PH PROBE	-	25	EQUIP. SUPPLIER	POST-CAUSTIC FEED TREATED
ASC-3201	ANTISCALANT FEED PUMP	GRUNDFOS DDA 7-16	-	EQUIP. SUPPLIER	
ASC-3202	ANTISCALANT FEED PUMP	GRUNDFOS DDA 7-16	-	EQUIP. SUPPLIER	
TK-3203	170 L DAY TANK	-	-	EQUIP. SUPPLIER	ANTISCALANT
CAU-5101	PH FEED PUMP	GRUNDFOS DDA 7-16	-	EQUIP. SUPPLIER	
CAU-5102	PH ADJUST FEED PUMP	GRUNDFOS DDA 7-16	-	EQUIP. SUPPLIER	
SHS-5201	CHLORINE FEED PUMP	GRUNDFOS DDA 7-16	-	EQUIP. SUPPLIER	
SHS-5202	CHLORINE FEED PUMP	GRUNDFOS DDA 7-16	-	EQUIP. SUPPLIER	
SHS-5203	CHLORINE FEED PUMP	GRUNDFOS DDA 7-16	-	EQUIP. SUPPLIER	
CIH-5301	CORR. INHIB. FEED PUMP	GRUNDFOS DDA 7-16	-	EQUIP. SUPPLIER	
SBS-5401	SODIUM METABISULFITE FEED PUMP	GRUNDFOS DDA 7-16	-	EQUIP. SUPPLIER	
SBS-5402	SODIUM METABISULFITE FEED PUMP	GRUNDFOS DDA 7-16	-	EQUIP. SUPPLIER	
TK-6010	CIP / FLUSH TANK	-		EQUIP. SUPPLIER	
HTR-6015	CIP TANK HEATER	-	18 KW	EQUIP. SUPPLIER	IMMERSION STYLE
CIP-6030	CIP PUMP	-	5 HP	EQUIP. SUPPLIER	
IQ-2101	CHLORINE RAW INJECTION QUILL	SAF-T-FLO	25	GC	
IQ-2501	CHLORINE RAW INJECTION QUILL	SAF-T-FLO	25	GC	
IQ-5100	CAUSTIC INJECTION	SAF-T-FLO	25	GC	
IQ-5200	CHLORINE INJECTION QUILL	SAF-T-FLO	25	GC	
IQ-5300	CORROSION INHIBITOR INJECTION QUILL	SAF-T-FLO	25	GC	
IQ-6301	SBS INJECTION QUILL	SAF-T-FLO	25	GC	
MX-2222	STATIC MIXER	KO-FLO	80	GC	
MX-5101	STATIC MIXER (ORIFICE PLATE)	-	100	EQUIP. SUPPLIER	CAUSTIC MIXING
RWP-1100	WELLPUMP	GRUNDFOS	25 HP	EXISTING	BY OTHERS
RWP-1200	WELLPUMP	GRUNDFOS	25 HP	EXISTING	BY OTHERS
BWP-2100	BACKWASH PUMP	GOULDS	10 HP	GC	VFD CONTROL
WP-6100	PROCESS WASTE PUMP	FLYGT/ZOELLER	5 HP	GC	SOFT START
WP-6200	PROCESS WASTE PUMP	FLYGT/ZOELLER	5 HP	GC	SOFT START
DP-7100	TOWN JOCKEY PUMP	GOULDS	1 HP	GC	VFD CONTROL
DP-7200	TOWN DUTY PUMP	GOULDS	5 HP	GC	VFD CONTROL
DP-7300	TOWN DUTY PUMP	GOULDS	10 HP	GC	VFD CONTROL
DP-7400	DUTY PUMP	GOULDS	10 HP	GC	VFD CONTROL
DP-7500	STANDBY PUMP	GOULDS	25 HP	GC	VFD CONTROL

REV	DATE	DESIGN	DRAWN	DESCRIPTION
1	2018JUN11	K. ANDERSON	D. PASTORIN	REVISED FOR ADDENDUM #1
0	2018JUN05	K. ANDERSON	T. DYCHKO	ISSUED FOR TENDER



**PRAIRIE VIEW MUNICIPALITY
BIRTLE WATER SUPPLY SYSTEM**

**BIRTLE WTP & ASSOC. WORKS
M.W.S.B. # 1419
20174977-03**

SCALE: N/A

PROCESS
EQUIPMENT SCHEDULE
SHEET 2

DRAWING	REVISION	SHEET
4977-03-D-602	1	51 / 83

P:\2017\497700_MWSS_Birtle\Working_Dwg\400_Process_Mech\400_mech\400_4977-03-d-601-604.dwg
DATE: 2018-06-11, Designer: Pastorn

IF NOT 50 mm ADJUST SCALES 50 mm
SCALES SHOWN ARE INTENDED FOR ANSI D (220x) SIZE DRAWINGS. TABLOID (11x17) SIZE DRAWINGS ARE 1/2 OF SCALES SHOWN UNLESS NOTED OTHERWISE

VALVE SCHEDULE

TAG	SIZE	SPEC	DESCRIPTION	SUPPLIED BY	COMMENTS
BUV-2000	200	E1	BUTTERFLY VALVE	GC	
CHV-2001	150	E1	CHECK VALVE	GC	
CV-2002	100	E1	CONTROL VALVE	GC	
BAV-2022	25	H1	BALL VALVE	GC	
BUV-2090	100	E1	BUTTERFLY VALVE	GC	
CAV-2092	25	E1	COMB. AIR/VACUUM	GC	
BAV-2093	25	E1	BALL VALVE	GC	
BUV-2095	100	E1	BUTTERFLY VALVE	GC	
BUV-2100	80	E1	BUTTERFLY VALVE	GC	
BUV-2101	80	E1	BUTTERFLY VALVE	GC	
FV-2101	100	H1	RAW INFLUENT	EQUIP. SUPPLIER	
FV-2103	100	H1	TREATED TO BLEND	EQUIP. SUPPLIER	
FV-2104	150	H1	BACKWASH WASTE	EQUIP. SUPPLIER	
FV-2105	50	H1	FILTER DRAIN DOWN	EQUIP. SUPPLIER	
FV-2106	150	H1	BACKWASH SUPPLY	EQUIP. SUPPLIER	
FV-2107	50	H1	FILTER TO WASTE	EQUIP. SUPPLIER	
BUV-2109	100	H1	BUTTERFLY VALVE	GC	
FCV-2110	100	H1	FLOW CONTROL BALL VALVE	EQUIP. SUPPLIER	FILTER EFFLUENT RATE
BUV-2114	150	E1	BUTTERFLY VALVE	GC	
BAV-2120	8	E1	BALL VALVE	GC	
FV-2120	50	H1	AIR SCOUR	EQUIP. SUPPLIER	
BAV-2171	20	E5	BALL VALVE	GC	
BPV-2172	20	E5	BACK PRESSURE VALVE	GC	INJECTION BPV - CHEMLINE SB-11
CAV-2182	25	E1	FILTER ARV	EQUIP. SUPPLIER	
BAV-2183	25	H1	BALL VALVE	EQUIP. SUPPLIER	
CAV-2192	25	H1	COMB. AIR/VACUUM	GC	
BAV-2192	10	H1	BALL VALVE	GC	FILTER RAW WATER SAMPLE
BAV-2193	25	H1	BALL VALVE	GC	
CHV-2201	50	H1	CHECK VALVE	EQUIP. SUPPLIER	AIR SCOUR
BAV-2202	50	H1	BALL VALVE	GC	AIR SCOUR
ARV-2292	25	H1	AIR SCOUR ARV	EQUIP. SUPPLIER	AIR SCOUR
BAV-2309	8	H1	BALL VALVE	GC	PRESSURE GAUGE
CHV-2311	150	H1	CHECK VALVE	GC	
BUV-2313	150	H1	BUTTERFLY VALVE	GC	
ARV-2391	25	H1	WELL SERVICE ARV	GC	
BAV-2513	15	E5	BALL VALVE	GC	
BPV-2514	15	E5	BACK PRESSURE VALVE	GC	INJECTION BPV - CHEMLINE SB-11
CV-2701	8	H1	SOLENOID VALVE	EQUIP. SUPPLIER	RAW TURB OPEN/CLOSE
GLV-2702	8	H1	GLOBE VALVE - TURBIDIMETER	EQUIP. SUPPLIER	

VALVE SCHEDULE

TAG	SIZE	SPEC	DESCRIPTION	SUPPLIED BY	COMMENTS
BAV-2703	8	H1	BALL VALVE	GC	RAW TURB
CV-2711	8	H1	SOLENOID VALVE	EQUIP. SUPPLIER	TREATED TURB OPEN/CLOSE
GLV-2712	8	E1	GLOBE VALVE - TURBIDIMETER	EQUIP. SUPPLIER	
BAV-2751	8	E1	BALL VALVE	GC	PRESSURE GAUGE
BAV-2771	8	H1	BALL VALVE	GC	PRESSURE GAUGE
BAV-2772	8	H1	BALL VALVE	GC	PRESSURE GAUGE
BBV-2801	8	H1	BLOCK AND BLEED	GC	INSTRUMENT
BAV-2803	8	H1	BALL VALVE	GC	PRESSURE GAUGE
BAV-2805	8	E1	BALL VALVE	GC	PRESSURE GAUGE
BUV-3101	100	E1	BUTTERFLY VALVE	GC	
FV-3201	8	E5	FOOT VALVE	EQUIP. SUPPLIER	WITH CHEM PUMPS
FV-3202	8	E5	FOOT VALVE	EQUIP. SUPPLIER	WITH CHEM PUMPS
BAV-3211	15	E5	BALL VALVE	GC	
BAV-3212	15	E5	BALL VALVE	GC	
CAV-4101	25	H1	COMB. AIR/VACUUM	GC	
CAV-4109	25	H1	COMB. AIR/VACUUM	GC	
BAV-4117	25	H1	BALL VALVE	GC	
BAV-4119	25	H1	BALL VALVE	GC	
BUV-4121	100	E1	BUTTERFLY VALVE	GC	
CAV-4200	25	H1	COMB. AIR/VACUUM	GC	
BAV-4201	25	H1	BALL VALVE	GC	
BUV-4299	100	E1	BUTTERFLY VALVE	GC	
BUV-4301	150	E1	BUTTERFLY VALVE	GC	
BUV-4302	150	E1	BUTTERFLY VALVE	GC	
FV-5101	8	E5	FOOT VALVE	EQUIP. SUPPLIER	WITH CHEM PUMPS
FV-5102	8	E5	FOOT VALVE	EQUIP. SUPPLIER	WITH CHEM PUMPS
BAV-5110	15	E5	BALL VALVE	GC	
FV-5201	8	E5	FOOT VALVE	EQUIP. SUPPLIER	WITH CHEM PUMPS
FV-5202	8	E5	FOOT VALVE	EQUIP. SUPPLIER	WITH CHEM PUMPS
FV-5203	8	E5	FOOT VALVE	EQUIP. SUPPLIER	WITH CHEM PUMPS
BAV-5210	15	E5	BALL VALVE	GC	
FV-5301	8	E5	FOOT VALVE	EQUIP. SUPPLIER	WITH CHEM PUMPS
BAV-5310	15	E5	BALL VALVE	GC	
FV-5401	8	E5	FOOT VALVE	EQUIP. SUPPLIER	WITH CHEM PUMPS
FV-5402	8	E5	FOOT VALVE	EQUIP. SUPPLIER	WITH CHEM PUMPS
CHV-6110	150	H1	CHECK VALVE	GC	
PLV-6120	150	H1	PLUG VALVE	GC	
CHV-6210	150	H1	CHECK VALVE	GC	
PLV-6220	150	H1	PLUG VALVE	GC	



REV	DATE	DESIGN	DRAWN	DESCRIPTION
1	2018JUN11	K. ANDERSON	D. PASTORIN	REVISED FOR ADDENDUM #1
0	2018JUN05	K. ANDERSON	T. DYCHKO	ISSUED FOR TENDER



**PRAIRIE VIEW MUNICIPALITY
BIRTLE WATER SUPPLY SYSTEM**

**BIRTLE WTP & ASSOC. WORKS
M.W.S.B. # 1419
20174977-03**

SCALE: N/A
PROCESS
VALVE SCHEDULE
SHEET 1

DRAWING	REVISION	SHEET
4977-03-D-603	1	52 / 83

P:\2017\4977\00_MWSS_Birtle\Working_Dwg\400_Process_Mech\400_Process_Mech\400_Process_Mech\400_Process_Mech.dwg
DATE: 2018-06-11, Designer: Pastorin

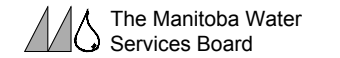
IF NOT 50 mm ADJUST SCALES
30 mm
SCALES SHOWN ARE INTENDED FOR ANSI D (2204) SIZE DRAWINGS. TABLOID (11X17) SIZE DRAWINGS ARE 1/2 OF SCALES SHOWN UNLESS NOTED OTHERWISE

VALVE SCHEDULE

TAG	SIZE	SPEC	DESCRIPTION	SUPPLIED BY	COMMENTS
BUV-6300	150	H1	BUTTERFLY VALVE	GC	
BAV-6309	15	E5	BALL VALVE	GC	
BPV-6319	15	E5	BACK PRESSURE VALVE	GC	INJECTION BPV - CHEMLINE SB-11
CAV-6705	25	H1	COMB. AIR/VACUUM	GC	
BAV-6709	25	H1	BALL VALVE	GC	
CHV-7011	80	H1	CHECK VALVE	GC	
BUV-7012	80	H1	BUTTERFLY VALVE	GC	
CHV-7021	100	H1	CHECK VALVE	GC	
BUV-7022	100	H1	BUTTERFLY VALVE	GC	
ARV-7028	25	H1	WELL SERVICE ARV	GC	
CHV-7031	100	H1	CHECK VALVE	GC	
BUV-7032	100	H1	BUTTERFLY VALVE	GC	
ARV-7038	25	H1	WELL SERVICE ARV	GC	
BAV-7037	25	H1	BALL VALVE	GC	
CHV-7041	100	H1	CHECK VALVE	GC	
BUV-7042	100	H1	BUTTERFLY VALVE	GC	
ARV-7048	25	H1	WELL SERVICE ARV	GC	
BAV-7047	25	H1	BALL VALVE	GC	
CHV-7051	150	H1	CHECK VALVE	GC	
BUV-7052	150	H1	BUTTERFLY VALVE	GC	
ARV-7058	25	H1	WELL SERVICE ARV	GC	
CAV-7090	25	H1	COMB. AIR/VACUUM	GC	
BAV-7091	25	H1	BALL VALVE	GC	
BAV-7094	25	H1	BALL VALVE	GC	
CAV-7095	25	H1	COMB. AIR/VACUUM	GC	
PRV-7100	150	H1	PRESSURE REDUCING VALVE	GC	REDUCES 55 65 TO 20 PSI (VALLEY)
BUV-7102	150	H1	BUTTERFLY VALVE	GC	
BUV-7103	150	H1	BUTTERFLY VALVE	GC	
BUV-7105	200	H1	BUTTERFLY VALVE	GC	
BAV-7108	8	H1	BALL VALVE	GC	PRESSURE GAUGE
BBV-7109	8	H1	BLOCK AND BLEED	GC	INSTRUMENT
BAV-7110	8	H1	BALL VALVE	GC	PRESSURE GAUGE
BAV-7119	8	H1	BALL VALVE	GC	PRESSURE GAUGE
BUV-7180	100	H1	BUTTERFLY VALVE	GC	
PRV-7181	100	H1	PRESSURE RELIEF	GC	65 PSI SETPOINT
BUV-7201	150	H1	BUTTERFLY VALVE	GC	
BUV-7202	150	H1	BUTTERFLY VALVE	GC	
BUV-7205	200	H1	BUTTERFLY VALVE	GC	
BBV-7209	8	H1	BLOCK AND BLEED	GC	INSTRUMENT
BAV-7222	15	E1	BALL VALVE	GC	
BAV-7260	8	H1	BALL VALVE	GC	PRESSURE GAUGE
BAV-7270	8	H1	BALL VALVE	GC	PRESSURE GAUGE

VALVE SCHEDULE

TAG	SIZE	SPEC	DESCRIPTION	SUPPLIED BY	COMMENTS
BUV-7280	150	H1	BUTTERFLY VALVE	GC	
PRV-7281	150	H1	PRESSURE RELIEF	GC	27 PSI SETPOINT
BAV-7298	50	H1	BALL VALVE	GC	
BAV-7057	25	H1	BALL VALVE	GC	
BAV-7027	25	H1	BALL VALVE	GC	
CAV-7590	25	H1	COMB. AIR/VACUUM	GC	
BAV-7591	25	H1	BALL VALVE	GC	
BAV-7598	50	H1	BALL VALVE	GC	
BUV-7601	80	H1	BUTTERFLY VALVE	GC	
BAV-7609	8	H1	BALL VALVE	GC	
BFP-7611	80	H1	BFP RPP	GC	
CV-7681	80	H1	TRUCK FILL VALVE	GC	TRUCK FILL CONTROLS
CV-7682	25	H1	DRAIN VALVE	GC	TRUCK FILL CONTROLS
BAV-7701	32	G1	BALL VALVE	GC	
BFP-7702	32	G1	BFP RPP	GC	
BAV-7704	32	G1	BALL VALVE	GC	
BAV-7709	8	G1	BALL VALVE	GC	
BUV-7777	200	H1	BUTTERFLY VALVE	GC	
BAV-7811	8	H1	BALL VALVE	GC	PRESSURE GAUGE
BAV-7821	8	H1	BALL VALVE	GC	PRESSURE GAUGE
BAV-7831	8	H1	BALL VALVE	GC	PRESSURE GAUGE
BAV-7841	8	H1	BALL VALVE	GC	PRESSURE GAUGE
BAV-7851	8	H1	BALL VALVE	GC	PRESSURE GAUGE
BUV-8000	150	E1	BUTTERFLY VALVE	GC	
BUV-8001	150	E1	BUTTERFLY VALVE	GC	
BUV-8002	150	E1	BUTTERFLY VALVE	GC	
BUV-8014	250	H1	BUTTERFLY VALVE	GC	
BUV-8023	250	H1	BUTTERFLY VALVE	GC	
BUV-8034	250	H1	BUTTERFLY VALVE	GC	
BUV-8102	250	H1	BUTTERFLY VALVE	GC	
BUV-8201	250	H1	BUTTERFLY VALVE	GC	
BUV-8202	250	H1	BUTTERFLY VALVE	GC	
NEV-9001	15	E1	NEEDLE VALVE	GC	WITH EQUIP.
BAV-9201	10	H1	SAMPLE TAP	GC	RAW WATER
BAV-9208	10	H1	SAMPLE TAP	GC	FILTER EFFLUENT
BAV-9210	10	H1	SAMPLE TAP	GC	FILTER RAW WATER SAMPLE
BAV-9214	25	H1	SAMPLE TAP	GC	BACKWASH WASTE SAMPLE
BAV-9240	10	E1	SAMPLE TAP	GC	BLENDED PRE-CHLORINE
BAV-9501	8	E1	SAMPLE TAP	GC	BLENDED TREATED
BAV-9705	50	H1	SAMPLE TAP	GC	DISTRIBUTION DRAIN
BAV-9707	50	H1	SAMPLE TAP	GC	DISTRIBUTION DRAIN



REV	DATE	DESIGN	DRAWN	DESCRIPTION
1	2018JUN11	K. ANDERSON	D. PASTORIN	REVISED FOR ADDENDUM #1
0	2018JUN05	K. ANDERSON	T. DYCHKO	ISSUED FOR TENDER



**PRAIRIE VIEW MUNICIPALITY
BIRTLE WATER SUPPLY SYSTEM**

**BIRTLE WTP & ASSOC. WORKS
M.W.S.B. # 1419
20174977-03**

SCALE: N/A
PROCESS
VALVE SCHEDULE
SHEET 2

DRAWING	REVISION	SHEET
4977-03-D-604	1	53 / 83