POLYMER FEED UNIT

TAG	NO.	POLYMER OUTPUT (GPH)			MAKE-UP WATER	CONNECTION		MOTOR	SPEC	DESCRIPTION
		MIN	AVG	MAX	GPM (AVG)	POLYMER	WATER	ELECTRICAL		
PF	A	0.9	5.5	15.2	15.4	1/2"	1"	120/1/60	11265	SERVICES BFP A
PF	B	0.9	5.5	15.2	15.4	1/2"	1"	120/1/60	11265	SERVICES BFP B
PF	C	0.9	5.5	15.2	15.4	1/2"	1"	120/1/60	11265	SERVICES BFP C
PF	D	0.9	5.5	15.2	15.4	1/2"	1"	120/1/60	11265	SERVICES BFP D

TANK MIXER

TAG	NO	LOCATION	IMPELLER TYPE	PUMPING RATE	RPM	MOTOR (HP)	VARIABLE SPEED	ELECTRICAL	PORT SIZE	FITTING	SPEC
TM	1	POLYMER FEED TANK NO. 1	AXIAL FLOW / LOW SHEAR	100 GPM	100	0.5	VFD	120/1/60	16"	FLANGE	11373
TM	2	POLYMER FEED TANK NO. 2	AXIAL FLOW / LOW SHEAR	100 GPM	100	0.5	VFD	120/1/60	16"	FLANGE	11373

POLYMER PIPING SCHEDULE

TAG	NO.	TYPE	SIZE	LINE DESCRIPTION	SPEC
PP	1	PVC	3"	NEAT POLYMER FILL LINE	11265
PP	2	PVC	6"	NEAT POLYMER TANK OVERFLOW	11265
PP	3	PVC	2"	NEAT POLYMER TO PP-5	11265
PP	4	PVC	2"	NEAT POLYMER TO PP-6	11265
PP	5	PVC	2"	NEAT POLYMER HEADER	11265
PP	6	PVC	1/2"	NEAT POLYMER TO PF-1	11265
PP	7	PVC	1/2"	NEAT POLYMER TO PF-2	11265
PP	8	PVC	1/2"	NEAT POLYMER TO PF-3	11265
PP	9	PVC	1/2"	NEAT POLYMER TO PF-4	11265
PP	10	PVC	1"	POLYMER SOLUTION TO BFP NO. 1	11265
PP	11	PVC	1"	POLYMER SOLUTION TO BFP NO. 2	11265
PP	12	PVC	1"	POLYMER SOLUTION TO BFP NO. 3	11265
PP	13	PVC	1"	POLYMER SOLUTION TO BFP NO. 4	11265
PP	14	PVC	3"	NEAT POLYMER FILL TO TANK A	11265
PP	15	PVC	3"	NEAT POLYMER FILL TO TANK B	11265

POLYMER STORAGE TANKS

TAG	NO.	MATERIAL	DIAMETER	HEIGHT	SPEC
TK	A	FRP	9'	10'	13420
TK	B	FRP	9'	10'	13420

BALL VALVE SCHEDULE

TAG	NO.	OPERATOR	SIZE	SPEC	DESCRIPTION
BLV	1	MANUAL	3"	11265	TO TK-A
BLV	2	MANUAL	3"	11265	TO TK-B
BLV	3	MANUAL	1"	11265	DRAIN
BLV	4	NOT USED			
BLV	5	MANUAL	2"	11265	DRAIN
BLV	6	MANUAL	2"	11265	DRAIN
BLV	7	MOTORIZED	2"	11265	TK-A TO FEEDERS
BLV	8	MOTORIZED	2"	11265	TK-B TO FEEDERS
BLV	9	MANUAL	1"	11265	TO PF-1
BLV	10	MANUAL	1"	11265	TO PF-2
BLV	11	MANUAL	1"	11265	TO PF-3
BLV	12	MANUAL	1"	11265	TO PF-4
BLV	13	MANUAL	1"	11265	PF-1 TO IR-1
BLV	14	MANUAL	1"	11265	PF-2 TO IR-2
BLV	15	MANUAL	1"	11265	PF-3 TO IR-3
BLV	16	MANUAL	1"	11265	PF-4 TO IR-4

POLYMER INJECTION RING

TAG	NO.	DESCRIPTION	SPEC
IR	1	TO BFP NO. A	11265
IR	2	TO BFP NO. B	11265
IR	3	TO BFP NO. C	11265
IR	4	TO BFP NO. D	11265

LEVEL INDICATOR

TAG	NO.	SPEC
LI	1	13150
LI	2	13150

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10104 LICENSED PROFESSIONAL ENGINEER KANSAS — 10-20

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION

P&ID SCHEDULES

SEWAGE TREATMENT PLANT NO. 2
POLYMER SYSTEM IMPROVEMENTS

WICHITA, KS

2020

drawn by: CJW
checked by: BRC
approved by: KLR
QA/QC by: KLR
project no.: 019-2051
drawing no.:
date:

SHEET
P-03

DWG: F:\2019\2001-2500\019-2051\40-Design\AutoCAD\Final Plans\Sheets\WTWW\200_Polymer\P_PID_0192051-P.dwg USER: nduncan
DATE: Jul 01, 2020 9:09pm XREFS: