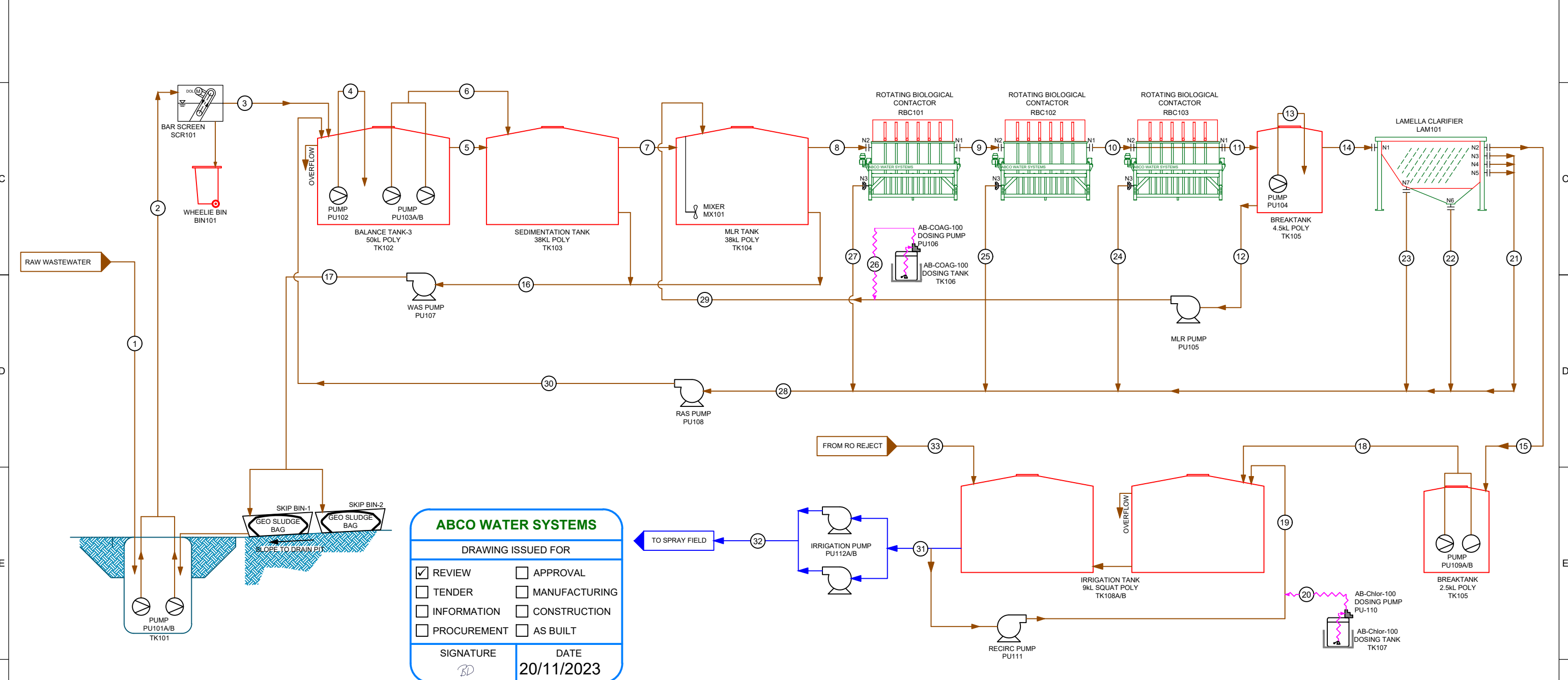


LINE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16 ^(a)	17 ^(a)	18	19	20	21	22 ^(b)	23	24	25	26 ^(c)	27	28	29	30	31	32	33	Remarks
FLOW (m ³ /hr)	17	17	17	10	17	2.84	3	5.7-11.4	5.7-11.4	5.7-11.4	5.7-11.4	2.9-8.6	10	2.84	2.84	20	20	8	8	12.5% SODIUM HYPOCHLORITE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	2.9-8.6	17.5	17.5	2.0	* Daily flow based on 220 person, 310 L/P/D	
FLOW (m ³ /day)	68.2	68.2	68.2	N/A	N/A	68.2	N/A	N/A	N/A	N/A	N/A	N/A	68.2	68.2	N/A	N/A	68.2	N/A	N/A		MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	N/A	68.2	68.2		* Hourly Peak Flow Rate: (6 times of average flow for 1 hr)	
PH	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	N/A	N/A	6.5-8.5	6.5-8.5		MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	6.5-8.5	6.5-8.5		* ^(a) : WAS Should be (1mins on & 59 mins off)		
BOD ₅ (ppm)	<300	<300	<300	<300	<300	<300	<210	<210	<210	<210	<210	<20	<20	<20	<20	N/A	N/A	<20	<20		MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	<20	<20		* ^(a) : The Best value for WAS Should be Found during normal operation.		
TSS (ppm)	<300	<300	<300	<300	<300	<300	<210	4000	4000	4000	4000	4000	4000	4000	<30	<100000	<100000	<30	<30		MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	4000	<30	<30		* ^(b) : RAS Should be (2mins on & 60 mins off) at Commissioning	
TN (ppm)	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<40	<40	<40	<40	N/A	N/A	<40	<40		MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	<40	<40		* ^(b) : RAS can be readjusted regarding to operation requirement		
TP (ppm)	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<10	N/A	N/A	<10	<10		MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	<15	<10	<10		* ^(b) : RAS working intervally depends on process condition	
FOG (ppm)	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	N/A	N/A	0	0		MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	<20	0	0		* ^(c) : PAC Needs to be adjusted at the time of commissioning	
CHLORINE (ppm)	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	N/A	N/A	N/A	0.5-2		MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	0.5-2	0.5-2			
E-COLI (cfu/100ml)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A	N/A	N/A	<1000		MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	MAINTENANCE LINE	<1000	<1000			



ABCO WATER SYSTEMS

DRAWING ISSUED FOR

<input checked="" type="checkbox"/> REVIEW	<input type="checkbox"/> APPROVAL
<input type="checkbox"/> TENDER	<input type="checkbox"/> MANUFACTURING
<input type="checkbox"/> INFORMATION	<input type="checkbox"/> CONSTRUCTION
<input type="checkbox"/> PROCUREMENT	<input type="checkbox"/> AS BUILT

SIGNATURE: *BD* DATE: 20/11/2023

BY	DATE	THIRD ANGLE PROJECTION
DESIGNED: RT	14-11-23	
DRAWN: SP	14-11-23	
CHECKED: BD	14-11-23	
APPROVED: BD	14-11-23	

REV	BY	DATE	DESCRIPTION
B	SP	20-11-23	DESIGN REVIEW COMMENTS
A	SP	10-11-23	ISSUED FOR REVIEW

REV	BY	DATE	DESCRIPTION	CHK	APP
B	SP	20-11-23	DESIGN REVIEW COMMENTS	RT	BD
A	SP	10-11-23	ISSUED FOR REVIEW	RT	BD

17 BRANT ROAD, KELMSCOTT
WESTERN AUSTRALIA 6111
www.abco.net.au (08) 9399 1662

TITLE: RIO TINTO RHODES RIDGE FEED W-RBC68 PROCESS FLOW DIAGRAM (PFD)			
JOB/PROJECT NO: 3025P01	DWG NO: 3025P01-AJ-000	SCALE: NTS	SHT SIZE: A3
SHEET: 1 OF 1	REV: B		