

DIMENSION:

DIMENSION:

DIMENSION: 4

CAPACITY: 60 m³/h
HP POWER: 11 kW

DIMENSION: TBD

CAPACITY: TBD
 HP POWER: 1 MW

Client Number: 28C3-D-4IN-PID-034-0000-00-PR-0027							
Document Number: 12002-D-PR-PID-303-DWT-027		CLASS	SIZE	SCALE	SHEET NO.	REV.	
Library code: 303-E03-0000-00-PR-PID-027-06		FA	A3	AS SHOWN	1 OF 24	06	00
						CLIENT	VENDOR

FLOCCULATE SCPRW

ABBREV: SW
TAG NO: 3-34-2001-01
TYPE: TBD
CAPACITY: TBD
HD POWER: 1.1 kW

FLOCCULATE TANK

AGITATOR
ABBREV: AG
TAG NO: 3-34-2401-03~05
TYPE: TBD
CAPACITY: TBD
HD POWER: 5.5 kW

FLOCCULATE CONDITIONING

TANK
ABBREV: CT
TAG NO: 3-34-3233-03
TYPE: TBD
CAPACITY: 5 m3 (WFL)
DIMENSION: TBD

TRANSFER CHUTE

ABBREV: DS
TAG NO: 3-34-2601-08
TYPE: TBD
CAPACITY: TBD
DIMENSION: TBD

FLOCCULATE DOSING PUMP

ABBREV: PU
TAG NO: 3-34-1505-05/06
TYPE: HOSE PUMP
CAPACITY: 0.92 m³/h
HD POWER: 0.5 kW

EMERGENCY SHOWER

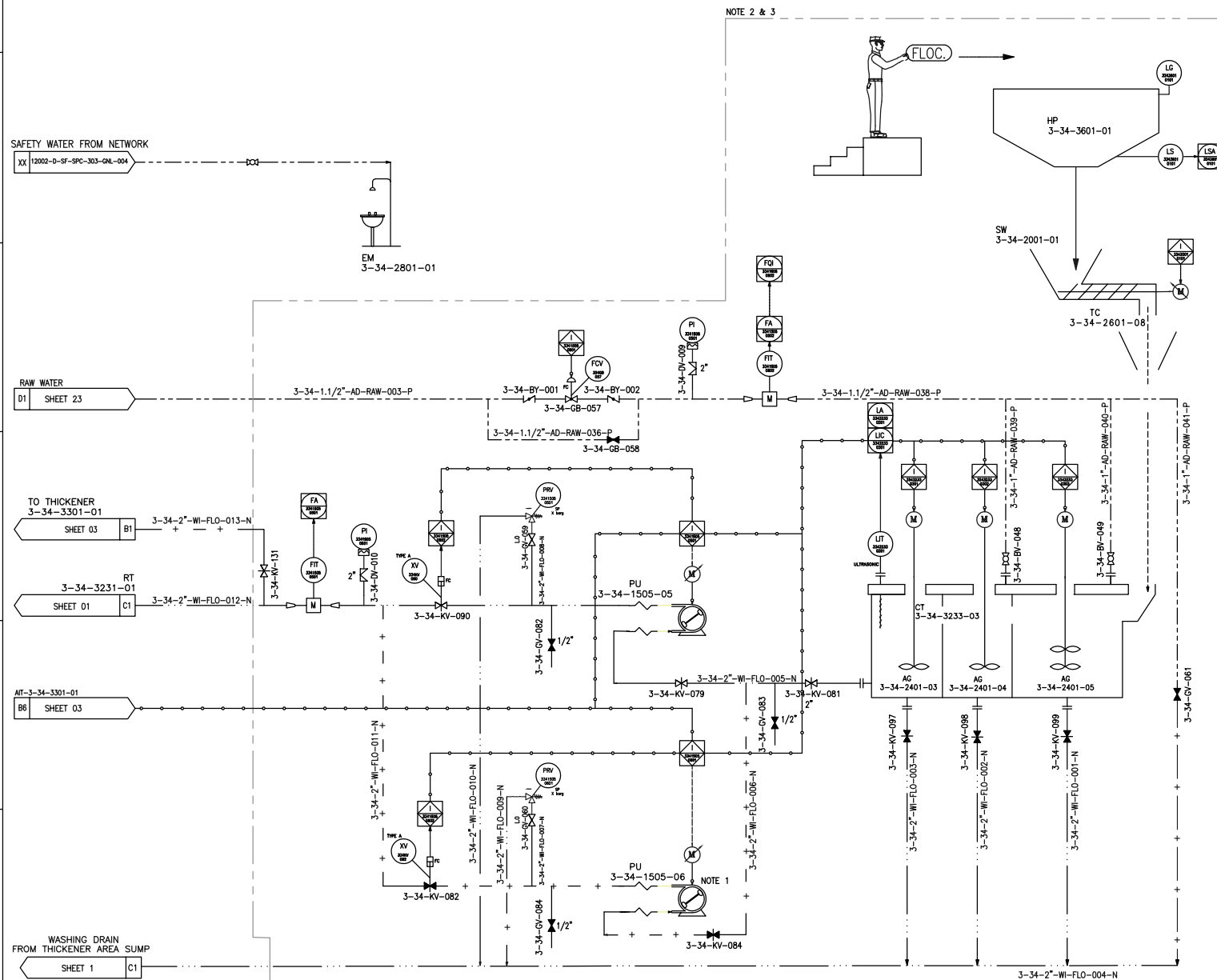
ABBREV: EM
TAG NO: 3-34-2801-01
TYPE: TBD
CAPACITY: TBD
DIMENSION: TBD

REFERENCE

REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFD FOR Cu CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

NOTES

- STAND-BY PUMP.
- DETAILS OF FLOCCULENT PREPARATION AND DOSING PACKAGE WILL BE FINALIZED BY VENDOR
- THE EQUIPMENT AND PIPING IN THE FLOCCULANT PACKAGE WILL BE FINALIZED BASED ON THE VENDOR DATA.

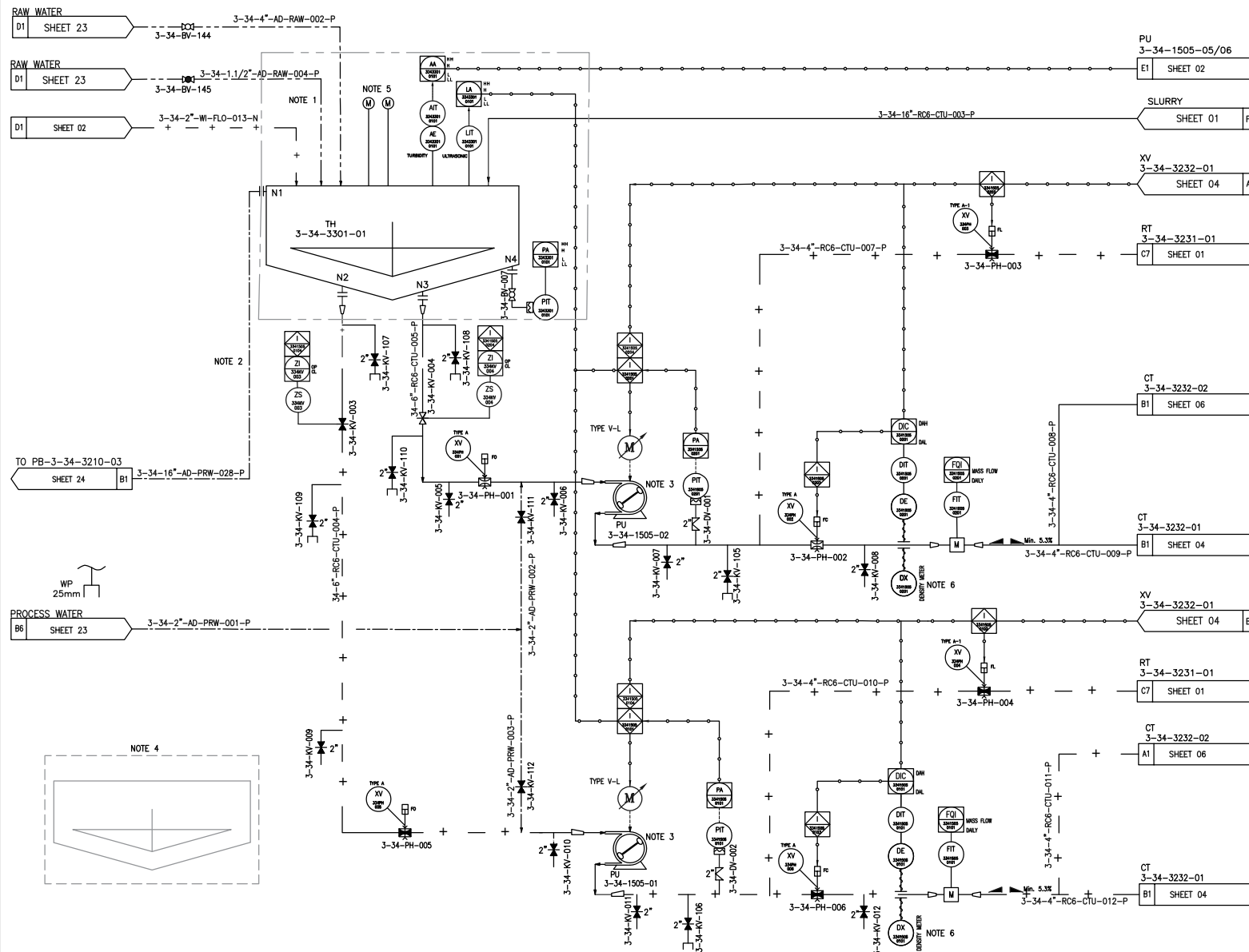
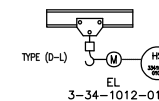


06	2028-06-08	ISSUED FOR CONSTRUCTION					
05	2028-04-11	ISSUED FOR APPROVAL					
04	2028-01-21	ISSUED FOR APPROVAL					
03	2028-12-27	ISSUED FOR APPROVAL					
02	2028-10-27	ISSUED FOR APPROVAL					
01	2028-09-17	ISSUED FOR APPROVAL					
00	2025-05-03	ISSUED FOR REVIEW					
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED	
Client:							
Consultant:			EPC Contractor:				
Project:							
Title:							
P&ID for Cu Concentrate Dewatering Area 34							
Client Number: 28C3-D-4IN-PID-034-0000-00-PR-0027							
Document Number: 12002-D-PR-PID-303-DWT-027							
Library code: 303-B03-0000-00-PR-PID-027-06							
CLASS	SIZE	SCALE	SHEET NO.	REV.	CLIENT VENDOR		
FA	A3	AS SHOWN	2 OF 24	06	00		

ABBREV: TH
TAG NO: 3-34-3301-01
TYPE: HIGHRATE
CAPACITY: 2500 m³
HD POWER: 22 kW

PUMP
ABBREV: PU
TAG NO: 3-34-1505-01/02
TYPE: HOSE
CAPACITY: 74 m³/h
HD POWER: 30 kW

UNDERFLOW PUMPS
ABBREV: EL
TAG NO: 3-34-1012-01
TYPE: ELECTRICAL WIRE
ROPE HOIST
CAPACITY: TBD
HD POWER: 4 kW



REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-000
PFD FOR Cu CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-02

1. WATER USED FOR FILLING OF THE CONCENTRATE THICKENER.
2. CONCENTRATE THICKENER OVERFLOW TO BE TRANSFERRED PROCESS WATER PONDS.
3. PUMPS TO BE OPERATED AS DUTY & STANDBY.
4. THE SIZE AND METHOD OF PROCESS WATER DELIVERY WILL BE DETERMINED.
5. THE TYPE OF THICKENER MOTOR WILL BE FINALIZED ACCORDING TO THE VENDOR'S DATA.
6. PRE -AND POST-DENSITY METER READINGS WILL BE COMMUNICATED IN DUE COURSE BASED ON VENDOR DATA AND INSTRUMENTATION REQUIREMENTS.

FUTURE PLAN

06	2026-06-06	ISSUED FOR CONSTRUCTION			
05	2026-04-11	ISSUED FOR APPROVAL			
04	2026-01-21	ISSUED FOR APPROVAL			
03	2025-12-27	ISSUED FOR APPROVAL			
02	2025-10-27	ISSUED FOR APPROVAL			
01	2023-09-17	ISSUED FOR APPROVAL			
00	2023-05-03	ISSUED FOR REVIEW			

REV.

Consultants:

Project: _____

P&ID for Cu Concentrate Dewatering Area 34

Client Number: 28C3-D-4IN-PID-034-0000-00-PR-0027									
Document Number: 12002-D-PR-PID-303-DWT-027				CLASS	SIZE	SCALE	SHEET NO.	REV.	
Library code: 303-R03-0000-00-PR-PID-027-06				FA	A3	AS SHOWN	3 OF 24	06	00

FILTER PRESS FEED TANK

ABBRIV: CT
TAG NO: 3-34-3232-01
TYPE: CYLINDRICAL, OPEN
TOP, FLAT BOTTOM
CAPACITY: 200 m³
DIMENSION: (WFL)

FILTER PRESS FEED TANK

ABBRIV: AG
TAG NO: 3-34-2401-01
TYPE: PITCH BLADE
CAPACITY: TBD
HD POWER: 30 kW

FILTER PRESS #3 FEED PUMP

ABBRIV: PU
TAG NO: 3-34-1501-07
TYPE: TBD
CAPACITY: 191.49 m³/h
HD POWER: 75 kW

CONDITONING AREA CLEAN UP SUMP

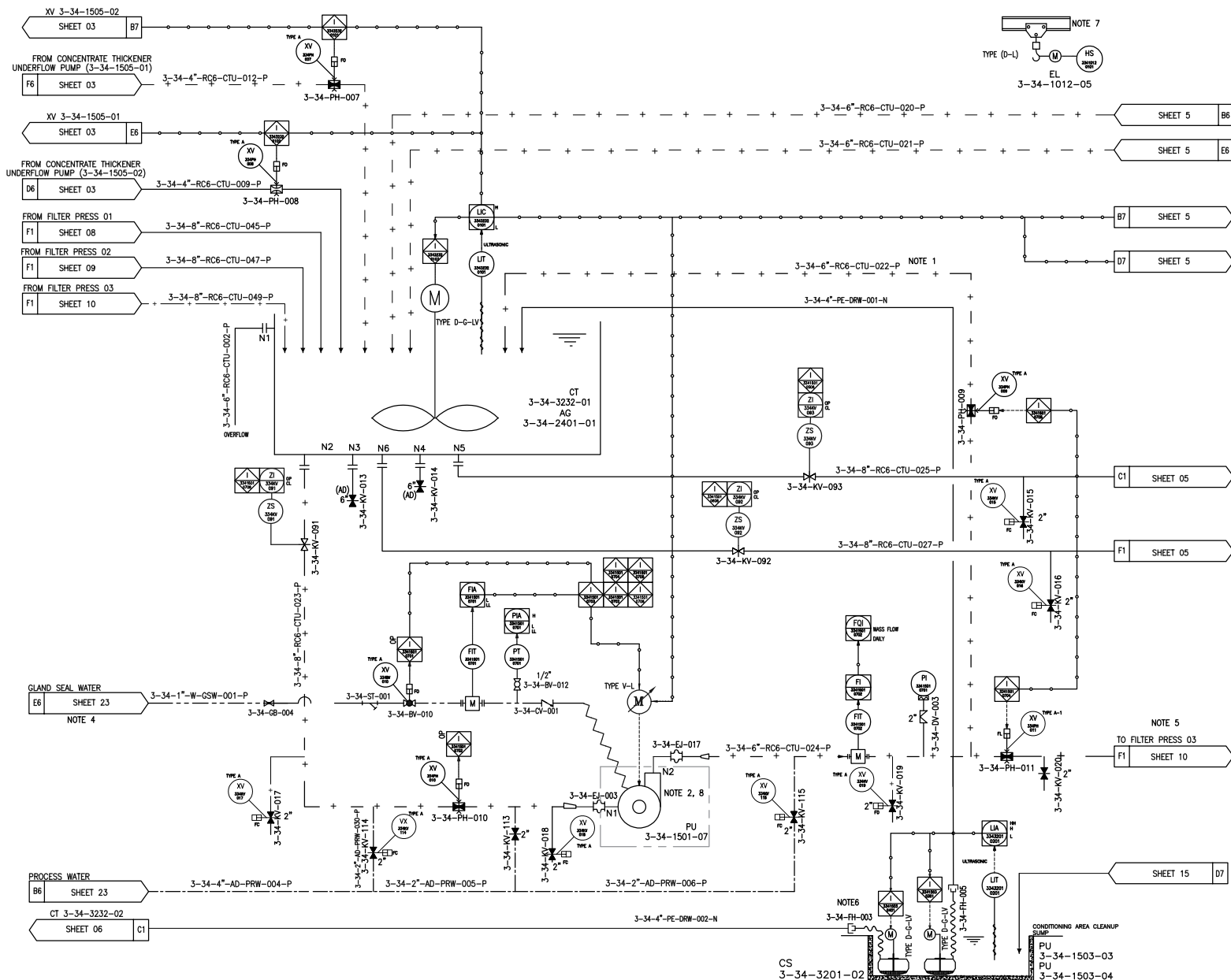
ABBRIV: CS
TAG NO: 3-34-3201-02
TYPE: FLOOR SUMP
CAPACITY: 84 m³ (WFL)
DIMENSION:

CONDITONING AREA CLEAN UP SUMP PUMP

ABBRIV: PU
TAG NO: 3-34-1503-03/04
TYPE: VERTICAL
SUSPENDED
CAPCITY: 40 m³/h
HD POWER: 11 kW

ELECTRIC HOIST-CONDITIONING AREA SUMP PUMP

ABBRIV: EL
TAG NO: 3-34-1012-05
TYPE: ELECTRICAL WIRE
ROPE HOIST
CAPACITY: TBD
HD POWER: 4 kW



REFERENCE

REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFD FOR Cu CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

NOTES

1. SLURRY FEED TO FILTER PRESS SLURRY TO BE RECYCLED BACK TO FILTER PRESS FEED TANK BETWEEN FILTER CYCLES.
2. FILTERS AND PUMPS TO BE OPERATED AS TWO DUTY & ONE STANDBY, BUT IN EMERGENCY MODE IT IS POSSIBLE TO USE FILTERS SIMULTANEOUSLY.
3. INTERLOCK AND CONTROL OF PUMPS TO BE SPECIFIED IN FILTER PRESS VENDOR PACKAGE.
4. IF THE PRESSURE OF GSW IS NOT NECESSARY, IT WILL BE INCREASE BY PUMP.
5. FILTER PRESS FEED LINE SIZE SHOULD BE FINALIZED DURING DETAIL DESIGN.
6. FLEXIBLE HOSE FOR EMERGENCY SITUATION.
7. ELECTRICAL HOIST HAS BEEN CONSIDERED FOR CONDITIONING AREA CLEAN UP SUMP PUMP TO FACILITATE MAINTENANCE OPERATIONS.
8. THE FILTER PRESS FEED PUMP CONSTITUTES AN INTEGRAL PART OF THE FILTER PRESS PACKAGE.

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED
06	2028-06-08	ISSUED FOR CONSTRUCTION				
05	2028-04-11	ISSUED FOR APPROVAL				
04	2028-01-21	ISSUED FOR APPROVAL				
03	2028-12-27	ISSUED FOR APPROVAL				
02	2028-10-27	ISSUED FOR APPROVAL				
01	2028-09-17	ISSUED FOR APPROVAL				
00	2028-09-03	ISSUED FOR REVIEW				

Client:	
Consultant:	EPC Contractor:
Project:	
Title:	

P&ID for Cu Concentrate Dewatering Area 34

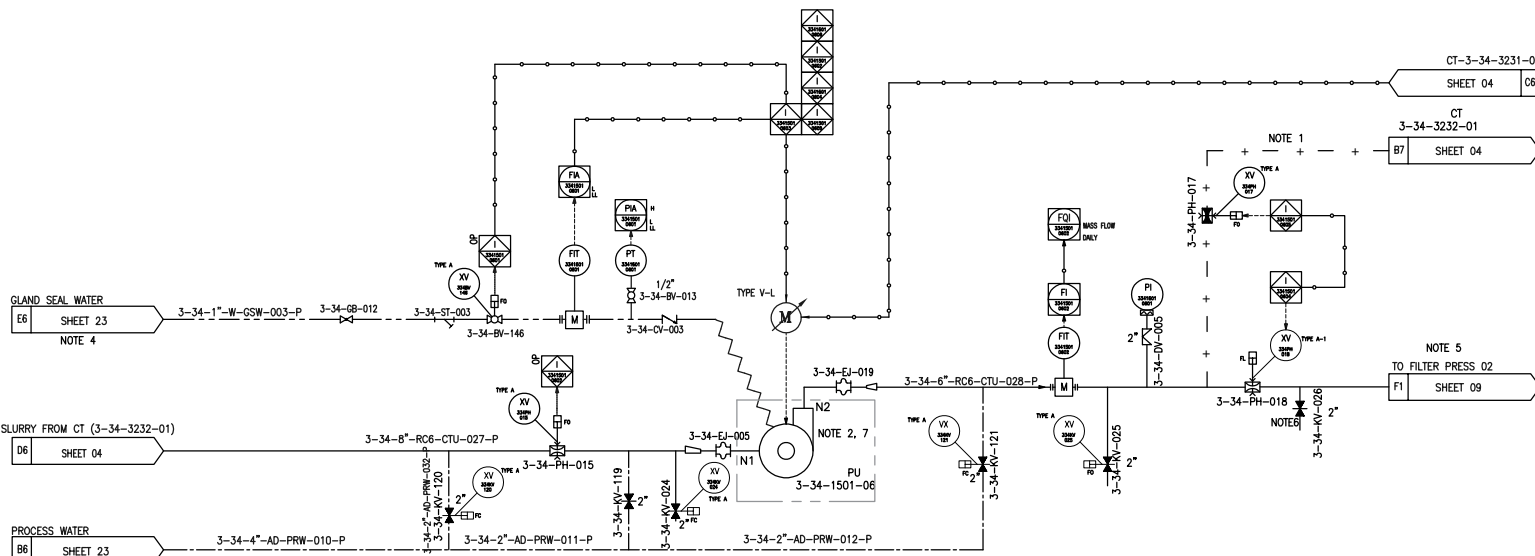
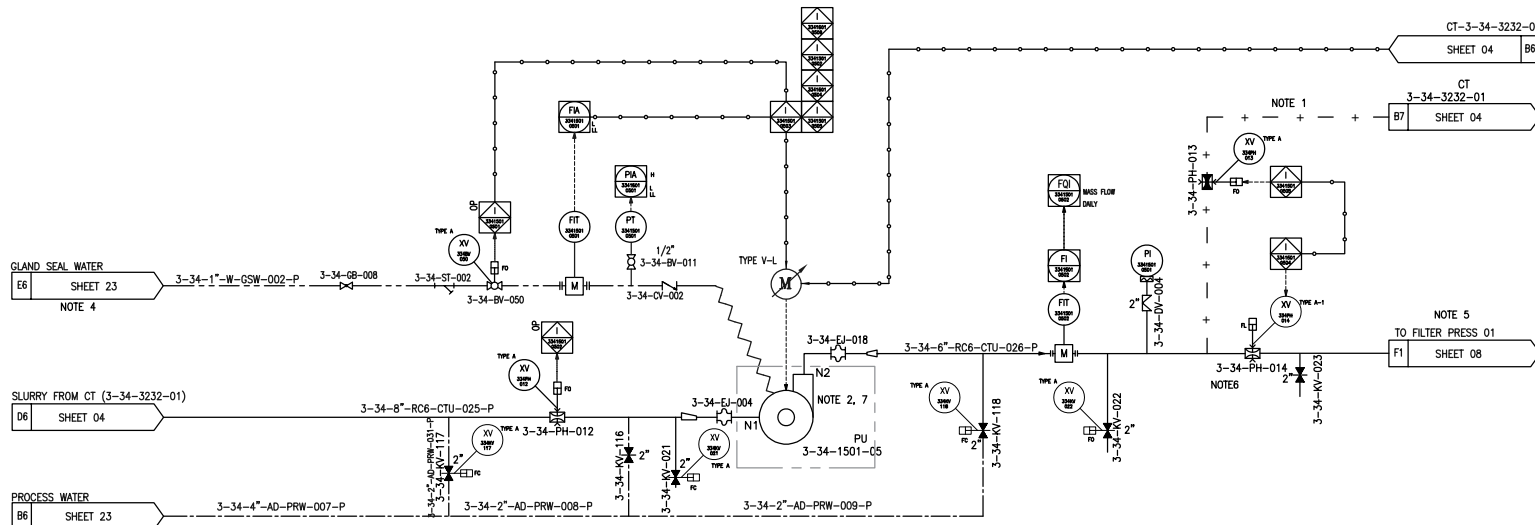
Client Number: 28C3-D-4IN-PID-034-0000-00-PR-0027						
Document Number: 12002-D-PR-PID-303-DWT-027		CLASS	SIZE	SCALE	SHEET NO.	REV.
Library code: 303-B03-0000-00-PR-PID-027-06		FA	A3	AS SHOWN	4 OF 24	06 00

FILTER PRESS #1 FEED PUMP

ABBRIV: PU
TAG NO: 3-34-1501-05
TYPE: TBD
CAPACITY: 191.49 m³/h
HD POWER: 75 kW

FILTER PRESS #2 FEED PUMP

ABBRIV: PU
TAG NO: 3-34-1501-06
TYPE: TBD
CAPACITY: 191.49 m³/h
HD POWER: 75 kW



REFERENCE

REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFD FOR CU CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

NOTES

- SLURRY FEED TO FILTER PRESS SLURRY TO BE RECYCLED BACK TO FILTER PRESS FEED TANK BETWEEN FILTER CYCLES.
- FILTERS AND PUMPS TO BE OPERATED AS TWO DUTY & ONE STANDBY, BUT IN EMERGENCY MODE IT IS POSSIBLE TO USE FILTERS SIMULTANEOUSLY.
- INTERLOCK AND CONTROL OF PUMPS TO BE SPECIFIED IN FILTER PRESS VENDOR PACKAGE.
- IF THE PRESSURE OF GSW IS NOT NECESSARY, IT WILL BE INCREASE BY PUMP.
- FILTER PRESS FEED LINE SIZE SHOULD BE FINALIZED DURING DETAIL DESIGN.
- FLEXIBLE HOSE FOR EMERGENCY SITUATION.
- THE FILTER PRESS FEED PUMP CONSTITUTES AN INTEGRAL PART OF THE FILTER PRESS PACKAGE.

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED
06	2025-06-08	ISSUED FOR CONSTRUCTION				
05	2025-04-11	ISSUED FOR APPROVAL				
04	2025-01-21	ISSUED FOR APPROVAL				
03	2025-12-27	ISSUED FOR APPROVAL				
02	2025-10-27	ISSUED FOR APPROVAL				
01	2025-09-17	ISSUED FOR APPROVAL				
00	2025-05-03	ISSUED FOR REVIEW				

Client:

Consultant: EPC Contractor:

Project:

Title:

P&ID for Cu Concentrate Dewatering Area 34

Client Number:	28C3-D-4IN-PID-034-0000-00-PR-0027	CLASS	SIZE	SCALE	SHEET NO.	REV.
Document Number:	12002-D-PR-PID-303-DWT-027	FA	A3	AS SHOWN	5 OF 24	06
Library code:	303-B03-0000-00-PR-PID-027-D6					00

FILTER PRESS FEED TANK

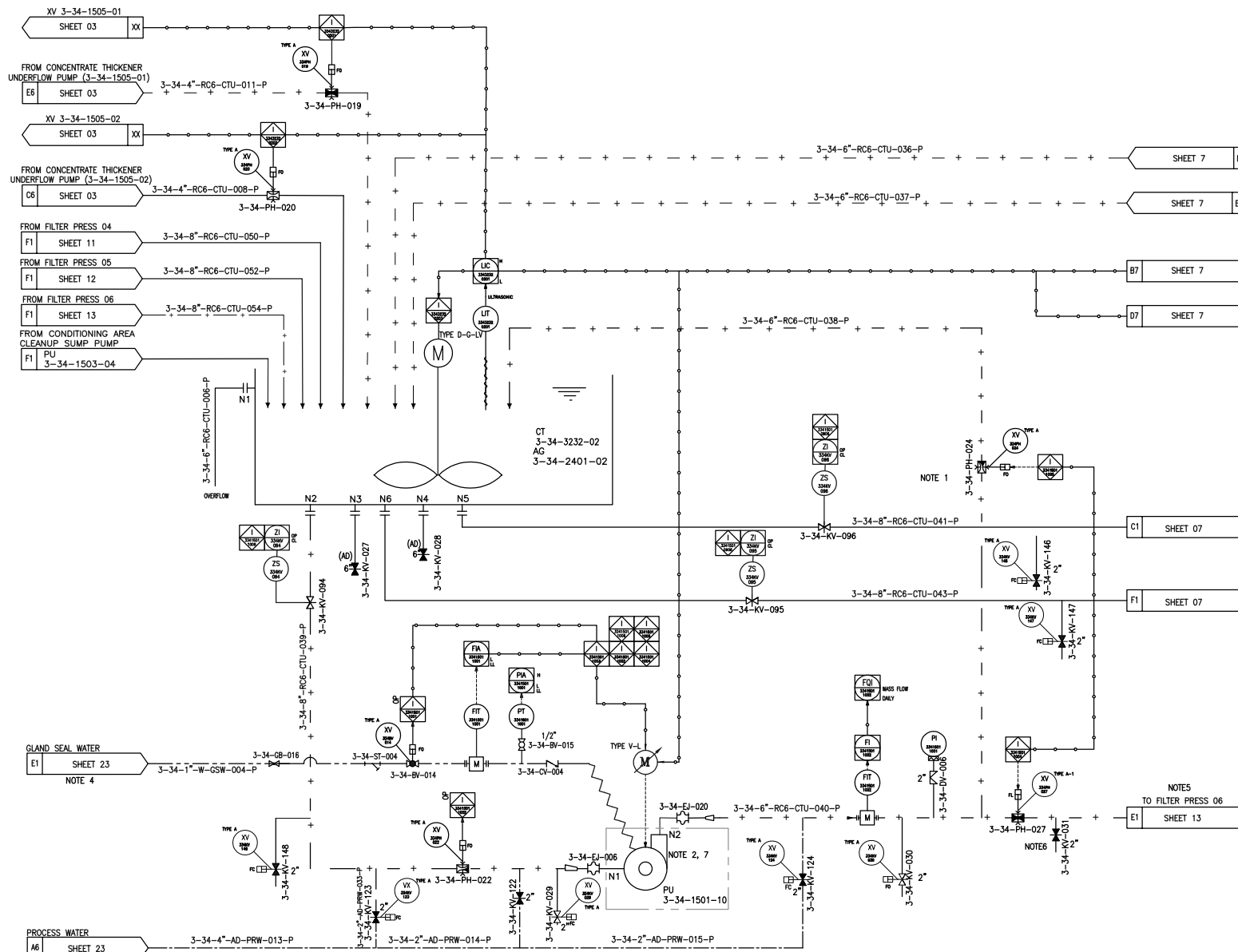
ABBRIV: CT
TAG NO: 3-34-3232-02
TYPE: CYLINDRICAL, OPEN TOP
CAPACITY: 200 m³
DIMENSION: 6.5m 6m(WFL)

FILTER PRESS FEED TANK AGITATOR

ABBRIV: AG
TAG NO: 3-34-2401-02
TYPE: PITCH BLADE
CAPACITY: TBD
HD POWER: 30 kW

FILTER PRESS #6 FEED PUMP

ABBRIV: PU
TAG NO: 3-34-1501-10
TYPE: TBD
CAPACITY: 191.49 m³/h
HD POWER: 75 kW



REFERENCE

REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFD FOR CU CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

NOTES

1. SLURRY FEED TO FILTER PRESS SLURRY TO BE RECYCLED BACK TO FILTER PRESS FEED TANK BETWEEN FILTER CYCLES.
2. FILTERS AND PUMPS TO BE OPERATED AS TWO DUTY & ONE STANDBY, BUT IN EMERGENCY MODE IT IS POSSIBLE TO USE FILTERS SIMULTANEOUSLY.
3. INTERLOCK AND CONTROL OF PUMPS TO BE SPECIFIED IN FILTER PRESS VENDOR PACKAGE.
4. IF THE PRESSURE OF GSW IS NOT NECESSARY, IT WILL BE INCREASE BY PUMP.
5. FILTER PRESS FEED LINE SIZE SHOULD BE FINALIZED DURING DETAIL DESIGN.
6. FLEXIBLE HOSE FOR EMERGENCY SITUATION.
7. THE FILTER PRESS FEED PUMP CONSTITUTES AN INTEGRAL PART OF THE FILTER PRESS PACKAGE.

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED
06	2023-06-08	ISSUED FOR CONSTRUCTION				
05	2023-04-11	ISSUED FOR APPROVAL				
04	2023-01-21	ISSUED FOR APPROVAL				
03	2023-12-27	ISSUED FOR APPROVAL				
02	2023-10-27	ISSUED FOR APPROVAL				
01	2023-09-17	ISSUED FOR APPROVAL				
00	2023-05-03	ISSUED FOR REVIEW				

Client: _____

Consultant: _____ EPC Contractor: _____

Project: _____

Title: _____

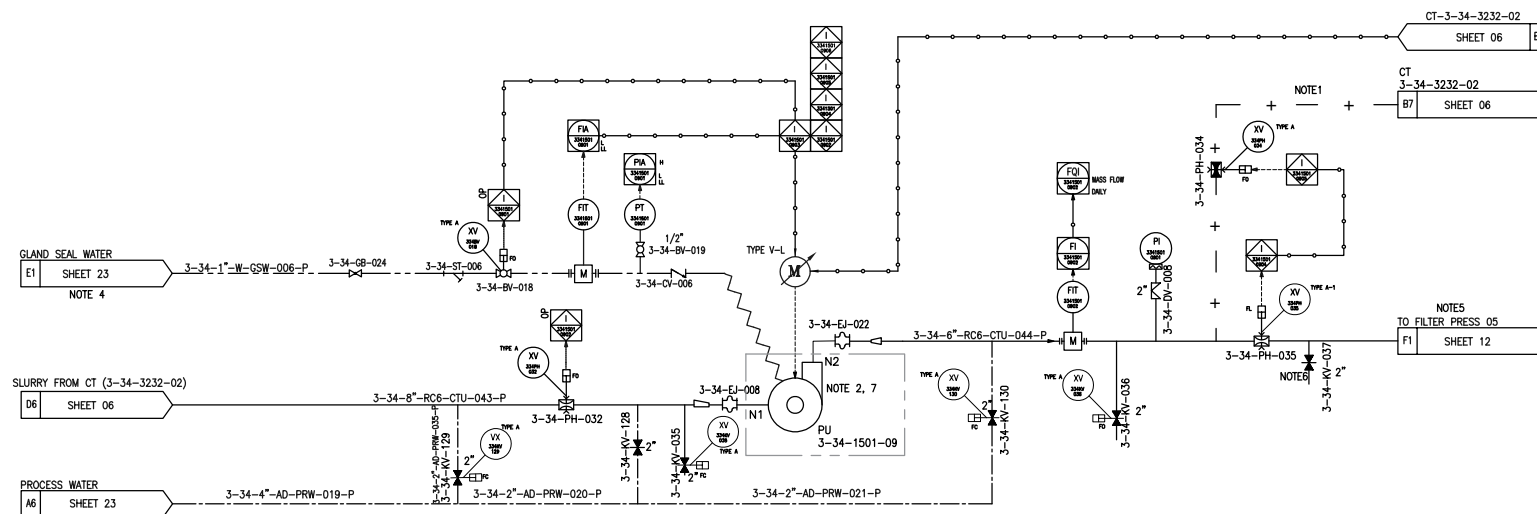
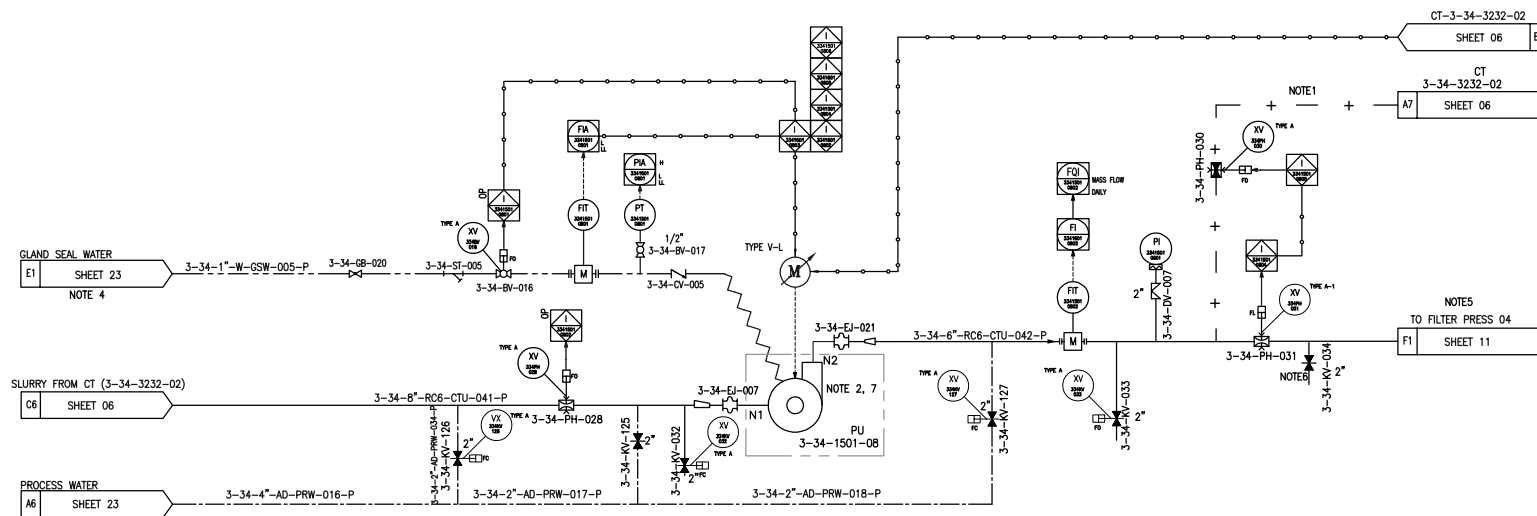
P&ID for Cu Concentrate Dewatering Area 34						
Client Number:	28C3-D-4IN-PID-034-0000-00-PR-0027	CLASS	SIZE	SCALE	SHEET NO.	REV.
Document Number:	12002-D-PR-PID-303-DWT-027	FA	A3	AS SHOWN	6 OF 24	06
Library code:	303-B03-0000-00-PR-PID-027-06					00

FILTER PRESS #4 FEED PUMP

ABBREV: PU
TAG NO: 3-34-1501-08
TYPE: TBD
CAPACITY: 191.49 m³/h
HD POWER: 75 kW

FILTER PRESS #5 FEED PUMP

ABBREV: PU
TAG NO: 3-34-1501-09
TYPE: TBD
CAPACITY: 191.49 m³/h
HD POWER: 75 kW



REFERENCE

REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFD FOR CU CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

NOTES

- SLURRY FEED TO FILTER PRESS SLURRY TO BE RECYCLED BACK TO FILTER PRESS FEED TANK BETWEEN FILTER CYCLES.
- FILTERS AND PUMPS TO BE OPERATED AS TWO DUTY & ONE STANDBY, BUT IN EMERGENCY MODE IT IS POSSIBLE TO USE FILTERS SIMULTANEOUSLY.
- INTERLOCK AND CONTROL OF PUMPS TO BE SPECIFIED IN FILTER PRESS VENDOR PACKAGE.
- IF THE PRESSURE OF GSW IS NOT NECESSARY, IT WILL BE INCREASE BY PUMP.
- FILTER PRESS FEED LINE SIZE SHOULD BE FINALIZED DURING DETAIL DESIGN.
- FLEXIBLE HOSE FOR EMERGENCY SITUATION.
- THE FILTER PRESS FEED PUMP CONSTITUTES AN INTEGRAL PART OF THE FILTER PRESS PACKAGE.

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED
06	2025-06-08	ISSUED FOR CONSTRUCTION				
05	2025-04-11	ISSUED FOR APPROVAL				
04	2025-01-21	ISSUED FOR APPROVAL				
03	2025-12-27	ISSUED FOR APPROVAL				
02	2025-10-27	ISSUED FOR APPROVAL				
01	2025-09-17	ISSUED FOR APPROVAL				
00	2025-05-03	ISSUED FOR REVIEW				

Client:

Consultant: EPC Contractor:

Project:

Title:

P&ID for Cu Concentrate Dewatering Area 34

Client Number: 28C3-D-4IN-PID-034-0000-00-PR-0027	CLASS	SIZE	SCALE	SHEET NO.	REV.
Document Number: 12002-D-PR-PID-303-DWT-027	FA	A3	AS SHOWN	7 OF 24	06
Library code: 303-B03-0000-00-PR-PID-027-06					00

ABBREV: FP
TAG NO: 3-34-2220-01
TYPE: PRESSURE FILTER, MEMBRANE
CAPACITY: 18.36 m³/h
HD POWER: 75 kW

ABBRIV:	TC
TAG NO:	3-34-2601-01
TYPE:	DISCHARGE CHUTE
CAPACITY:	TBD
DIMENSION:	TBD

ABBRIV: ST
TAG NO: 3-34-3211-16
TYPE: TBD
CAPACITY: TBD
DIMENSION: TBD

ABBREV: ST
TAG NO: 3-34-3211-10
TYPE: TBD
CAPACITY: TBD
DIMENSION: TBD



NOTES

1. FILTER PRESS SCHEMATIC AND DETAIL OF DRAWING WILL BE GIVEN IN SEPARATE P&ID BY VENDOR.
2. HYDRAULIC PACK P&ID WILL BE GIVEN IN SEPARATE SHEET BY VENDOR.
3. CORE SEPARATOR TANK USED TO BREAK VELOCITY AIR AND SLURRY IN CORE FLOW AND TO ALLOW FOR SEPARATION OF SLURRY TO BE FED BACK TO FILTER FEED TANK.
4. FILTER PRESSES TO BE OPERATED AS TWO DUTY AND ONE STANDBY.
5. OPERATION INTERLOCKS WILL BE SHOWN DURING DETAIL DESIGN.
6. IN EMERGENCY MODE IT IS POSSIBLE TO USE BOTH FILTERS SIMULTANEOUSLY.
7. THE FILTER PRESSES, DISCHARGE CHUTE AND ETC. SHALL BE FULLY AUTOMATIC.
8. IT WILL BE SPECIFIED ACCORDING TO THE VENDOR INFORMATION.
9. THE EQUIPMENT AND PIPING IN THE FILTER PRESS PACKAGE WILL BE FINALIZED BASED ON THE VENDOR DATA.
10. VALVE CONTROL INSIDE THE PACKAGE WILL BE BASED ON VENDOR DATA.

[illegible]

Consultant:	EPC Contractor:
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Project:	
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P&ID for Cu Concentrate Dewatering Area 34

Client Number: 28C3-D-4IN-PID-034-0000-00-PR-0027								
Document Number: 12002-D-PR-PID-303-DWT-027				CLASS	SIZE	SCALE	SHEET NO.	REV.
Library code: 303-E03-0000-00-PR-PID-027-06				FA	A3	AS SHOWN	8 OF 24	06 00

FILTER PRESS #2

ABBRIV: FP
TAG NO: 3-34-2220-02
TYPE: PRESSURE FILTER,
MEMBRANE
CAPACITY: 18.36 m³/h
HD POWER: 75 kW

FILTER PRESS #2 DISCHARGE CHUTE

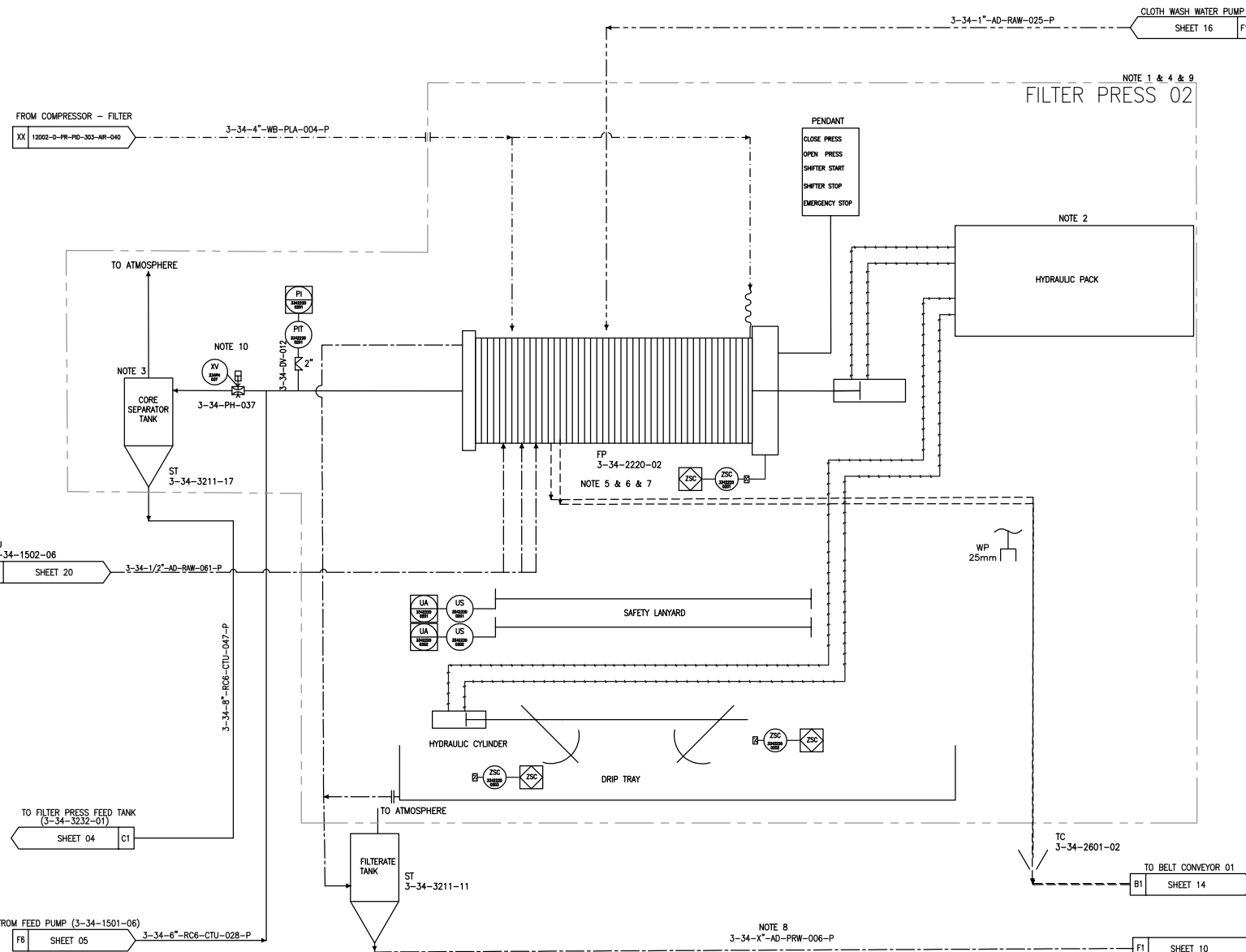
ABBRIV: TC
TAG NO: 3-34-2601-02
TYPE: DISCHARGE CHUTE
CAPACITY: TBD
DIMENSION: TBD

CORE SEPARATOR TANK

ABBRIV: ST
TAG NO: 3-34-3211-17
CAPACITY: TBD
DIMENSION: TBD

FILTERATE TANK

ABBRIV: ST
TAG NO: 3-34-3211-11
CAPACITY: TBD
DIMENSION: TBD



REFERENCE

REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFD FOR Cu CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

NOTES

1. FILTER PRESS SCHEMATIC AND DETAIL OF DRAWING WILL BE GIVEN IN SEPARATE P&ID BY VENDOR.
2. HYDRAULIC PACK P&ID WILL BE GIVEN IN SEPARATE SHEET BY VENDOR.
3. CORE SEPARATOR TANK USED TO BREAK VELOCITY AIR AND SLURRY IN CORE BLOW AND TO ALLOW FOR SEPARATION OF SLURRY TO BE FED BACK TO FILTER FEED TANK.
4. FILTER PRESSES TO BE OPERATED AS TWO DUTY AND ONE STANDBY.
5. OPERATION INTERLOCKS WILL BE SHOWN DURING DETAIL DESIGN.
6. IN EMERGENCY MODE IT IS POSSIBLE TO USE BOTH FILTERS SIMULTANEOUSLY.
7. THE FILTER PRESSES, DISCHARGE CHUTE AND ETC. SHALL BE FULLY AUTOMATIC.
8. IT WILL BE SPECIFIED ACCORDING TO THE VENDOR INFORMATION.
9. THE EQUIPMENT AND PIPING IN THE FILTER PRESS PACKAGE WILL BE FINALIZED BASED ON THE VENDOR DATA.
10. VALVE CONTROL INSIDE THE PACKAGE WILL BE BASED ON VENDOR DATA.

06	2028-06-08	ISSUED FOR CONSTRUCTION					
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04	2028-01-21	ISSUED FOR APPROVAL					
03	2028-12-27	ISSUED FOR APPROVAL					
02	2028-10-27	ISSUED FOR APPROVAL					
01	2028-09-17	ISSUED FOR APPROVAL					
00	2025-09-03	ISSUED FOR REVIEW					
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED	
Client:							
Consultant:			EPC Contractor:				
Project:							
Title:							
P&ID for Cu Concentrate Dewatering Area 34							
Client Number: 28C3-D-4IN-PID-034-0000-00-PR-0027							
Document Number: 12002-D-PR-PID-303-DWT-027							
Library code: 303-B03-0000-00-PR-PID-027-06							
		CLASS	SIZE	SCALE	SHEET NO.	REV.	
		FA	A3	AS SHOWN	9 OF 24	06	00

FILTER PRESS #3

ABBREV: FP
TAG NO: 3-34-2220-03
TYPE: PRESSURE FILTER,
MEMBRANE
CAPACITY: 18.36 m³/h
HD POWER: 75 kW

FILTER PRESS #3 DISCHARGE CHUTE

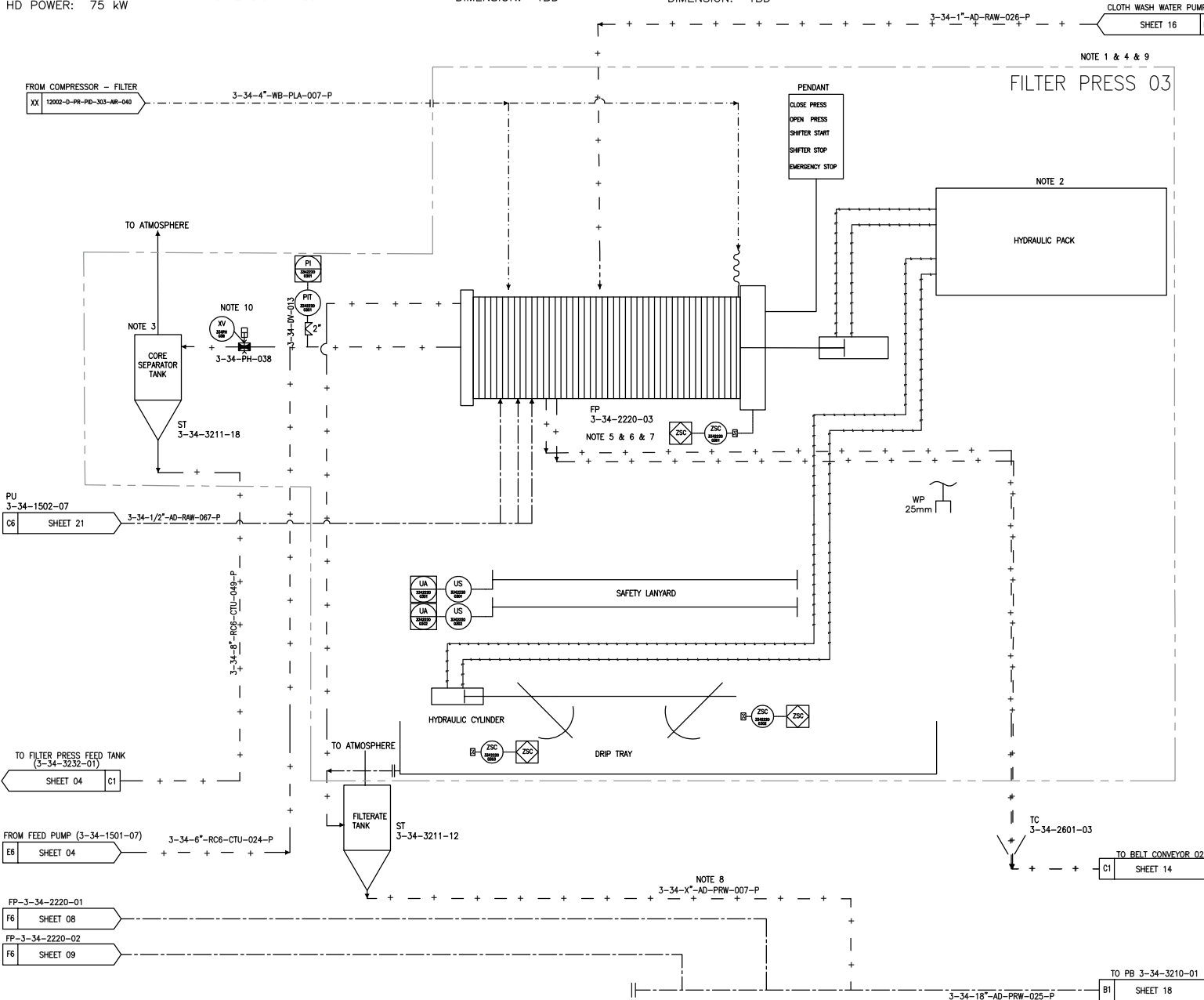
ABBREV: TC
TAG NO: 3-34-2601-03
TYPE: DISCHARGE CHUTE
CAPACITY: TBD
DIMENSION: TBD

CORE SEPARATOR TANK

ABBREV: ST
TAG NO: 3-34-3211-18
TYPE: TBD
CAPACITY: TBD
DIMENSION: TBD

FILTERATE TANK

ABBREV: ST
TAG NO: 3-34-3211-12
TYPE: TBD
CAPACITY: TBD
DIMENSION: TBD



REFERENCE

REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFD FOR CU CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

NOTES

1. FILTER PRESS SCHEMATIC AND DETAIL OF DRAWING WILL BE GIVEN IN SEPARATE P&ID BY VENDOR.
2. HYDRAULIC PACK P&ID WILL BE GIVEN IN SEPARATE SHEET BY VENDOR.
3. CORE SEPARATOR TANK USED TO BREAK VELOCITY AIR AND SLURRY IN CORE BLOW AND TO ALLOW FOR SEPARATION OF SLURRY TO BE FED BACK TO FILTER FEED TANK.
4. FILTER PRESSES TO BE OPERATED AS TWO DUTY AND ONE STANDBY.
5. OPERATION INTERLOCKS WILL BE SHOWN DURING DETAIL DESIGN.
6. IN EMERGENCY MODE IT IS POSSIBLE TO USE BOTH FILTERS SIMULTANEOUSLY.
7. THE FILTER PRESSES, DISCHARGE CHUTE AND ETC. SHALL BE FULLY AUTOMATIC.
8. IT WILL BE SPECIFIED ACCORDING TO THE VENDOR INFORMATION.
9. THE EQUIPMENT AND PIPING IN THE FILTER PRESS PACKAGE WILL BE FINALIZED BASED ON THE VENDOR DATA.
10. VALVE CONTROL INSIDE THE PACKAGE WILL BE BASED ON VENDOR DATA.

06	2028-06-08	ISSUED FOR CONSTRUCTION				
05	2028-04-11	ISSUED FOR APPROVAL				
04	2028-01-21	ISSUED FOR APPROVAL				
03	2028-12-27	ISSUED FOR APPROVAL				
02	2028-10-27	ISSUED FOR APPROVAL				
01	2028-08-17	ISSUED FOR APPROVAL				
00	2025-05-03	ISSUED FOR REVIEW				
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED
Client:						
Consultant:			EPC Contractor:			
Project:						
Title:						
P&ID for Cu Concentrate Dewatering Area 34						
Client Number: 28C3-D-4IN-PID-034-0000-00-PR-0027						
Document Number: 12002-D-FR-PID-303-DWT-027						
Library code: 303-803-0000-00-PR-PID-027-06						
CLASS		SIZE	SCALE	SHEET NO.	REV.	
FA		A3	AS SHOWN	10 OF 24	06	00

ABBREV: FP
TAG NO: 3-34-2220-04
TYPE: PRESSURE FILTER,
MEMBRANE
CAPACITY: 18.36 m³/h
HD POWER: 75 kW

ABBRIV: TC
TAG NO: 3-34-2601-04
TYPE: DISCHARGE CHUTE
CAPACITY: TBD
DIMENSION: TBD

ABBREV:	ST
TAG NO:	3-34-3211-19
TYPE:	TBD
CAPACITY:	TBD
DIMENSION:	TBD

ABBREV: ST
TAG NO: 3-34-3211-13
CAPACITY: TBD
DIMENSION: TBD



REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFID FOR Cu CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

1. FILTER PRESS SCHEMATIC AND DETAIL OF DRAWING WILL BE GIVEN IN SEPARATE P&ID BY VENDOR.
2. HYDRAULIC PACK P&ID WILL BE GIVEN IN SEPARATE SHEET BY VENDOR.
3. CORE SEPARATOR TANK USED TO BREAK VELOCITY AIR AND SLURRY IN CORE BLOW AND TO ALLOW FOR SEPARATION OF SLURRY TO BE FEED BACK TO FILTER FEED TANK.
4. FILTER PRESSES TO BE OPERATED AS TWO DUTY AND ONE STANDBY.
5. OPERATION INTERLOCKS WILL BE SHOWN DURING DETAIL DESIGN.
6. IN EMERGENCY MODE IT IS POSSIBLE TO USE BOTH FILTERS SIMULTANEOUSLY.
7. THE FILTER PRESSES, DISCHARGE CHUTE AND ETC. SHALL BE FULLY AUTOMATIC
8. IT WILL BE SPECIFIED ACCORDING TO THE VENDOR INFORMATION.
9. THE EQUIPMENT AND PIPING IN THE FILTER PRESS PACKAGE WILL BE FINALIZED BASED ON THE VENDOR DATA
10. VALVE CONTROL INSIDE THE PACKAGE WILL BE BASED ON VENDOR DATA.

04	2008-06-08	ISSUED FOR CONSTRUCTION					
05	2008-06-11	ISSUED FOR APPROVAL					
04	2008-01-01	ISSUED FOR APPROVAL					
03	2008-12-27	ISSUED FOR APPROVAL					
02	2008-10-27	ISSUED FOR APPROVAL					
01	2008-09-17	ISSUED FOR APPROVAL					
00	2008-05-08	ISSUED FOR REVIEW					
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED	

Client:

Consultant:	EPC Contractor:
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Project:

Title:

P&ID for Cu Concentrate Dewatering Area 34

Client Number: 280C3-D-MIN-PID-034-0000-00-PR-0027							
Document Number: 1200C2-D-PR-PID-303-DWT-027		CLASS	SIZE	SCALE	SHEET NO.	REV.	
Library code: 303-003-0000-00-PR-PID-027-06	PA	A3	AS SHOWN	11 OF 24	06	00	

FILTER PRESS #5

ABBRIV: FP
TAG NO: 3-34-2220-05
TYPE: PRESSURE FILTER, MEMBRANE
CAPACITY: 18.36 m³/h
HD POWER: 75 kW

FILTER PRESS #5 DISCHARGE CHUTE

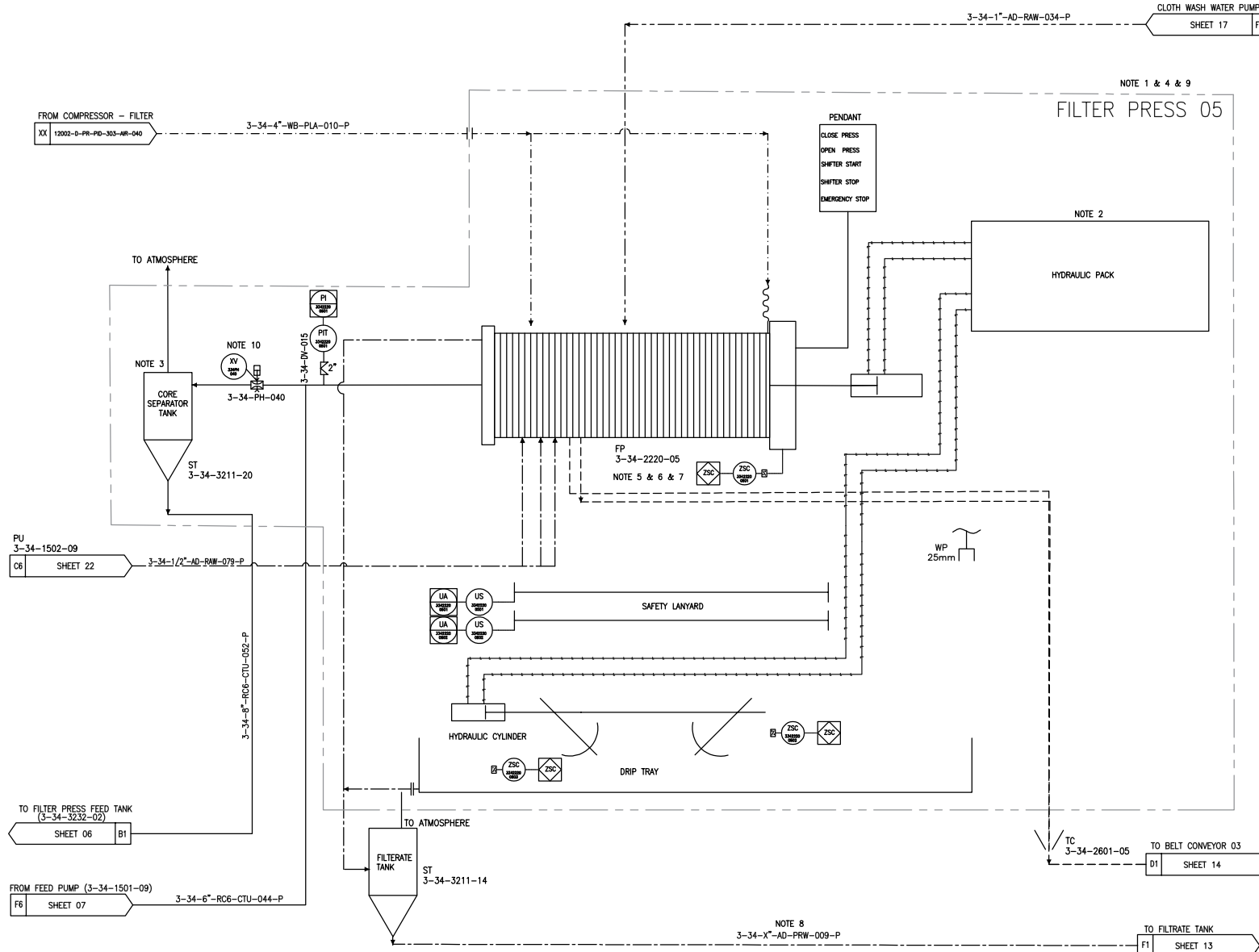
ABBRIV: TC
TAG NO: 3-34-2601-05
TYPE: DISCHARGE CHUTE
CAPACITY: TBD
DIMENSION: TBD

CORE SEPARATOR TANK

ABBRIV: ST
TAG NO: 3-34-3211-20
TYPE: TBD
CAPACITY: TBD
DIMENSION: TBD

FILTRATE TANK

ABBRIV: ST
TAG NO: 3-34-3211-14
TYPE: TBD
CAPACITY: TBD
DIMENSION: TBD



REFERENCE

REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFD FOR CU CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

NOTES

1. FILTER PRESS SCHEMATIC AND DETAIL OF DRAWING WILL BE GIVEN IN SEPARATE P&ID BY VENDOR.
2. HYDRAULIC PACK P&ID WILL BE GIVEN IN SEPARATE SHEET BY VENDOR.
3. CORE SEPARATOR TANK USED TO BREAK VELOCITY AIR AND SLURRY IN CORE BLOW AND TO ALLOW FOR SEPARATION OF SLURRY TO BE FED BACK TO FILTER FEED TANK.
4. FILTER PRESSES TO BE OPERATED AS TWO DUTY AND ONE STANDBY.
5. OPERATION INTERLOCKS WILL BE SHOWN DURING DETAIL DESIGN.
6. IN EMERGENCY MODE IT IS POSSIBLE TO USE BOTH FILTERS SIMULTANEOUSLY.
7. THE FILTER PRESSES, DISCHARGE CHUTE AND ETC. SHALL BE FULLY AUTOMATIC.
8. IT WILL BE SPECIFIED ACCORDING TO THE VENDOR INFORMATION.
9. THE EQUIPMENT AND PIPING IN THE FILTER PRESS PACKAGE WILL BE FINALIZED BASED ON THE VENDOR DATA
10. VALVE CONTROL INSIDE THE PACKAGE WILL BE BASED ON VENDOR DATA.

06	2028-06-08	ISSUED FOR CONSTRUCTION				
05	2028-04-11	ISSUED FOR APPROVAL				
04	2028-01-21	ISSUED FOR APPROVAL				
03	2028-12-27	ISSUED FOR APPROVAL				
02	2028-10-27	ISSUED FOR APPROVAL				
01	2028-09-17	ISSUED FOR APPROVAL				
00	2028-09-03	ISSUED FOR REVIEW				
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED
Client:						
Consultant:			EPC Contractor:			
Project:						
Title:						
P&ID for Cu Concentrate Dewatering Area 34						
Client Number: 28C3-D-4IN-PID-034-0000-00-PR-0027						
Document Number: 12002-D-PR-PID-303-DWT-027						
Library code: 303-B03-0000-00-PR-PID-027-06						
CLASS	SIZE	SCALE	SHEET NO.	REV.		
FA	A3	AS SHOWN	12 OF 24	06	00	

ABBRIV: FP
TAG NO: 3-34-2220-06
TYPE: PRESSURE FILTER, MEMBRANE
CAPACITY: 18.36 m³/h
HD POWER: 75 kW

ABBREV: TC
TAG NO: 3-34-2601-06
TYPE: DISCHARGE CHUTE
CAPACITY: TBD
DIMENSION: TBD

ABBREV: ST
TAG NO: 3-34-3211-21
TYPE: TBD
CAPACITY: TBD
DIMENSION: TBD

ABBRIV: ST
TAG NO: 3-34-3211-15
TYPE: TBD
CAPACITY: TBD
DIMENSION: TBD



REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFD FOR Cu CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

1. FILTER PRESS SCHEMATIC AND DETAIL OF DRAWING WILL BE GIVEN IN SEPARATE P&ID BY VENDOR.
2. HYDRAULIC PACK P&ID WILL BE GIVEN IN SEPARATE SHEET BY VENDOR.
3. CORE SEPARATOR TANK USED TO BREAK VELOCITY AIR AND SLURRY IN CORE BLOW AND TO ALLOW FOR SEPARATION OF DUTY TO BE FED BACK TO FILTER FEED TANK.
4. FILTER PRESSES TO BE OPERATED AS TWO DUTY AND ONE STANDBY.
5. OPERATION INTERLOCKS WILL BE SHOWN DURING DETAIL DESIGN.
6. IN EMERGENCY MODE IT IS POSSIBLE TO USE BOTH FILTERS SIMULTANEOUSLY.
7. THE FILTER PRESSES, DISCHARGE CHUTE AND ETC. SHALL BE FULLY AUTOMATIC.
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9. THE EQUIPMENT AND PIPING IN THE FILTER PRESS PACKAGE WILL BE FINALIZED BASED ON THE VENDOR DATA.
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06	2028-09-08	ISSUED FOR CONSTRUCTION				
05	2028-04-11	ISSUED FOR APPROVAL				
04	2028-01-31	ISSUED FOR APPROVAL				
03	2028-12-27	ISSUED FOR APPROVAL				
02	2028-10-27	ISSUED FOR APPROVAL				
01	2028-09-17	ISSUED FOR APPROVAL				
00	2028-05-05	ISSUED FOR REVIEW				
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED

Client:

Consultant:

EPC Contractor:	
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Project:

P&ID for Cu Concentrate Dewatering Area 34

Client Number: 28C3-D-4IN-PID-034-0000-00-PR-0027							
Document Number: 12002-D-PR-PID-303-DWT-027		CLASS	SIZE	SCALE	SHEET NO.	REV.	
Library code: 303-E03-0000-00-PR-PID-027-06		FA	A3	AS SHOWN	13 OF 24	06	00
						CLIENT	VENDOR

ELECTRICAL HOIST-TAIL OF BELT CONVEYOR
ABBREV: EL
TAG NO: 3-34-1012-02
TYPE: ELECTRICAL WIRE
ROPE HOIST
CAPACITY: TBD
HD POWER: 4 kW

ELECTRICAL HOIST-HEAD OF COLLECTING CONVEYOR
ABBREV: EL
TAG NO: 3-34-1012-03
TYPE: ELECTRICAL WIRE
ROPE HOIST
CAPACITY: TBD
HD POWER: 4 kW

OVERHEAD CRANE-SERVICING DEWATERING AREA
ABBREV: CR
TAG NO: 3-34-1001-01
TYPE: DOUBLE GIRDER
CAPACITY: 10t
HD POWER: 15 kW

ELECTRIC HOIST-STORAGE AREA SUMP PUMP
ABBREV: EL
TAG NO: 3-34-1012-06
TYPE: ELECTRICAL WIRE
ROPE HOIST
CAPACITY: TBD
HD POWER: 4 kW

COLLECTOR BELT CONVEYOR
ABBREV: BC
TAG NO: 3-34-2011-04
TYPE: TBD
CAPACITY: 620 t/h
HD POWER: 15 kW

STORAGE AREA CLEAN UP SUMP PUMP
ABBREV: PU
TAG NO: 3-34-1503-05
TYPE: VERTICAL SUSPENDED
CAPCITY: 40 m3/h (WFL)
HD POWER: 11 kW

FILTER PRESS COLLECTING CONVEYOR DISCHARGE CHUTE
ABBREV: TC
TAG NO: 3-34-2601-07
TYPE: DISCHARGE CHUTE
CAPACITY: TBD
DIMENSION: TBD

FILTER PRESS COLLECTING CONVEYOR BELT SCALE
ABBREV: BS
TAG NO: 3-34-3810-01
TYPE: BMP
CAPACITY: 104 t/h
HD POWER: 0.1 kW

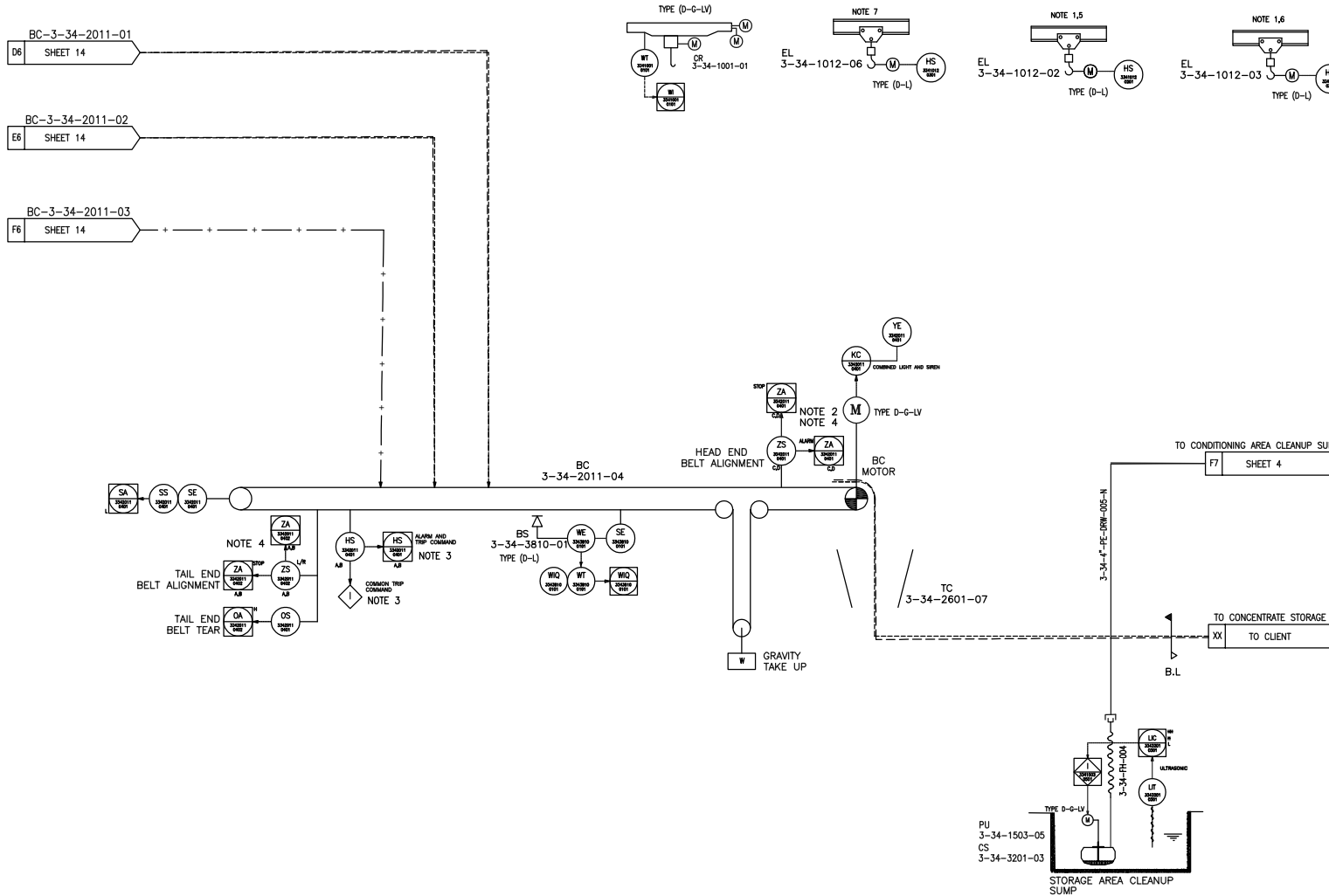
STORAGE AREA CLEAN UP SUMP
ABBREV: CS
TAG NO: 3-34-3201-03
TYPE: FLOOR SUMP
CAPACITY: 60 m3
DIMENSION: 5m

REFERENCE

REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFD FOR CU CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

NOTES

- MAINTENANCE HOIST (BY OTHERS).
- VFD USED FOR START UP AND MAINTENANCE PURPOSES WILL REQUIRE AN ADDITIONAL COOLING FAN.
- EACH BELT CONVEYOR ROPE SWITCH IS EQUIPPED WITH TWO CONTACT. FIRST CONTACT WILL BE SENT DIRECTLY TO CONTROL SYSTEM WHICH WILL BE RESULTED TO ALARM AND TRIP. SECOND CONTACT IS CONSIDERED FOR TRIP CONTACT DIRECTLY VIA MCC. IN THIS CASE , ALL ROPE SWITCHES SHOULD BE SERRIED WITH EACH OTHERS VIA AUXILIARY RELAYS AND ONLY ONE STOP COMMAND SENT TO MCC.
- MISALIGNMENTS CAN CONTROL UP TWO SEPARATE CIRCUIT. ONE FOR BELT SHUT DOWN AND ONE FOR AN ALARM.
- ELECTRICAL HOIST HAS BEEN CONSIDERED FOR THE TAIL BELT CONVEYOR TO FACILITATE MAINTENANCE OPERATIONS.
- ELECTRICAL HOIST HAS BEEN CONSIDERED FOR THE HEAD OF COLLECTING CONVEYOR TO FACILITATE MAINTENANCE OPERATIONS.
- ELECTRICAL HOIST HAS BEEN CONSIDERED FOR STORAGE AREA CLEAN UP SUMP PUMP TO FACILITATE MAINTENANCE OPERATIONS.

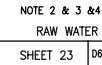


ABBRIV:	ST
TAG NO:	3-34-3211-01
TYPE:	CYLINDIRCAL, O
CAPACITY:	8 m ³ (WFL)
DIMENSION:	2m

ABBRIV: ST
TAG NO: 3-34-3211-01
TYPE: CYLINDRICAL, OPEN TOP, FLAT BOTTOM
CAPACITY: 8 m³ (WFL)
DIMENSION: 2m (WFL)

ABBREV:	PU
TAG NO:	3-34-1502-01/02
TYPE:	TBD
CAPACITY:	3.5 m ³ /h
HD POWER:	2.2 kW

ABBREV:	PU
TAG NO:	3-34-1502-01/02
TYPE:	TBD
CAPACITY:	3.5 m ³ /h
HD POWER:	2.2 kW



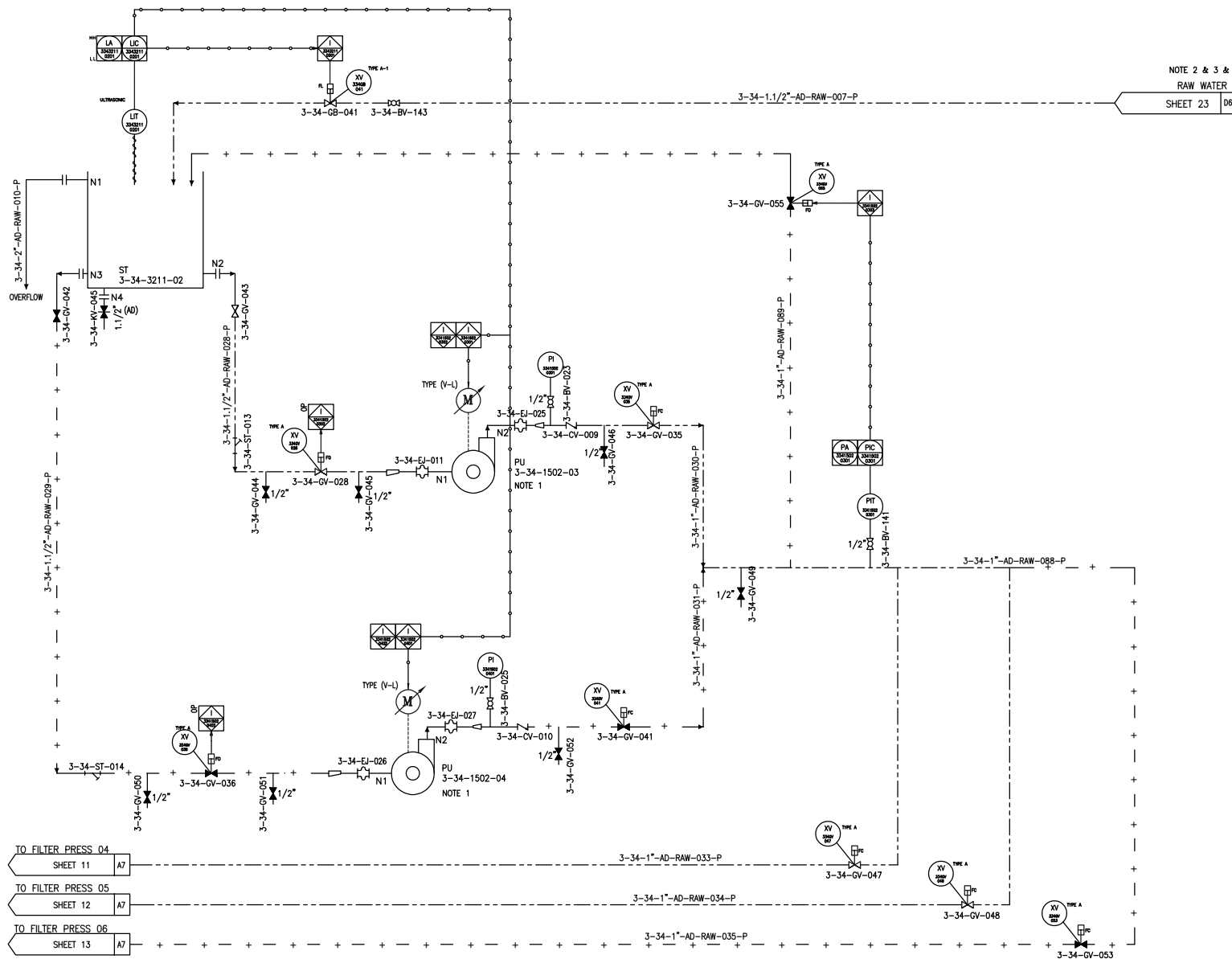
REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFD FOR Cu CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

1. PUMPS TO BE OPERATED AS DUTY & STANDBY.
- 2-THE OVERALL MASS BALANCE AND PFD WILL BE FINALIZED BY VENDOR BASED ON TEST WORK RESULTS.
- 3-THE QUANTITY OF CLOSE WASH WATER AND THE CAPACITY OF SYSTEM TO BE CONFIRMED BY VENDOR.
4. A PRESSURE REDUCING VALVE WILL BE USED IF REQUIRED.

06	2028-06-08	ISSUED FOR CONSTRUCTION					
05	2028-04-11	ISSUED FOR APPROVAL					
04	2028-01-31	ISSUED FOR APPROVAL					
03	2028-12-27	ISSUED FOR APPROVAL					
02	2028-10-27	ISSUED FOR APPROVAL					
01	2028-08-17	ISSUED FOR APPROVAL					
00	2028-09-06	ISSUED FOR REVIEW					
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED	
Client:							
Consultant:			EPC Contractor:				
Project:							
Title:							
P&ID for Cu Concentrate Dewatering Area 34							
Client Number:							
28C3-D-4IN-PID-034-0000-00-PR-0027							
Document Number:							
18002-D-PR-PID-303-DWT-027							
Library Code:							
303-E03-0000-00-PR-PID-027-06							
CLASS	SIZE	SCALE	SHEET NO.	REV.			
FA	A3	AS SHOWN	6 OF 24	CLIENT	VENDOR		
				06	00		

FILTER PRESS CLOTH WASH WATER TANK
ABBREV: ST
TAG NO: 3-34-3211-02
TYPE: CYLINDRICAL, OPEN TOP, FLAT BOTTOM
CAPACITY: 8 m³ (WFL)
DIMENSION: 2m (WFL)

FILTER PRESS WASH WATER PUMP
ABBREV: PU
TAG NO: 3-34-1502-03/04
TYPE: TBD
CAPACITY: 3.5 m³/h
HD POWER: 2.2 kW



NOTE 2 & 3 & 4
RAW WATER
SHEET 23 08

REFERENCE

REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFD FOR CU CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

NOTES

- PUMPS TO BE OPERATED AS DUTY & STANDBY.
- THE OVERALL MASS BALANCE AND PFD WILL BE FINALIZED BY VENDOR BASED ON TEST WORK RESULTS.
- THE QUANTITY OF CLOSE WASH WATER AND THE CAPACITY OF SYSTEM TO BE CONFIRMED BY VENDOR.
- A PRESSURE REDUCING VALVE WILL BE USED IF REQUIRED.

06	2028-06-08	ISSUED FOR CONSTRUCTION				
05	2028-04-11	ISSUED FOR APPROVAL				
04	2028-01-21	ISSUED FOR APPROVAL				
03	2028-12-27	ISSUED FOR APPROVAL				
02	2028-10-27	ISSUED FOR APPROVAL				
01	2028-09-17	ISSUED FOR APPROVAL				
00	2025-05-03	ISSUED FOR REVIEW				

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED
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Client:

Consultant: EPC Contractor:

Project:

Title:

P&ID for Cu Concentrate Dewatering Area 34

Client Number:	28C3-D-4IN-PID-034-0000-00-PR-0027	CLASS	SIZE	SCALE	SHEET NO.	REV.
Document Number:	12002-D-PR-PID-303-DWT-027	FA	A3	AS SHOWN	17 OF 24	06 00
Library code:	303-B03-0000-00-PR-PID-027-D6					

FILTRATE PUMP BOX

ABBRIV: PU
TAG NO: 3-34-3210-01
TYPE: CYLINDRICAL, OPEN TOP, CONICAL
BOTTOM
CAPACITY: 28 m³ (WFL)
DIMENSION: 3m 4.6m(WFL)

FILTRATE PUMP

ABBRIV: PU
TAG NO: 3-34-1501-01/02
TYPE: TBD
CAPACITY: 46 m³/h
HD POWER: 7.5 kW

FROM FILTER PRESS 01.02.03

FE SHEET 10

3-34-18"-AD-PRW-025-P

WP
25mm

PB
3-34-3210-01

OVERFLOW

3-34-KV-053

3-34-KV-054

3-34-KV-055

3-34-KV-056

3-34-KV-057

3-34-KV-058

3-34-KV-059

3-34-KV-060

3-34-KV-061

3-34-KV-062

3-34-KV-063

3-34-KV-064

3-34-KV-065

3-34-KV-066

3-34-KV-067

3-34-KV-068

3-34-KV-069

3-34-KV-070

3-34-KV-071

3-34-KV-072

3-34-KV-073

3-34-KV-074

3-34-KV-075

3-34-KV-076

3-34-KV-077

3-34-KV-078

3-34-KV-079

3-34-KV-080

3-34-KV-081

3-34-KV-082

3-34-KV-083

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3-34-KV-209

3-34-KV-210

3-34-KV-211

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3-34-KV-224

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3-34-KV-226

3-34-KV-227

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3-34-KV-263

3-34-KV-264

3-34-KV-265

3-34-KV-266

3-34-KV-267

3-34-KV-268

3-34-KV-269

3-34-KV-270

3-34-KV-271

3-34-KV-272

3-34-KV-273

3-34-KV-274

3-34-KV-275

3-34-KV-276

3-34-KV-277

3-34-KV-278

3-34-KV-279

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3-34-KV-285

3-34-KV-286

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3-34-KV-299

3-34-KV-300

3-34-KV-301

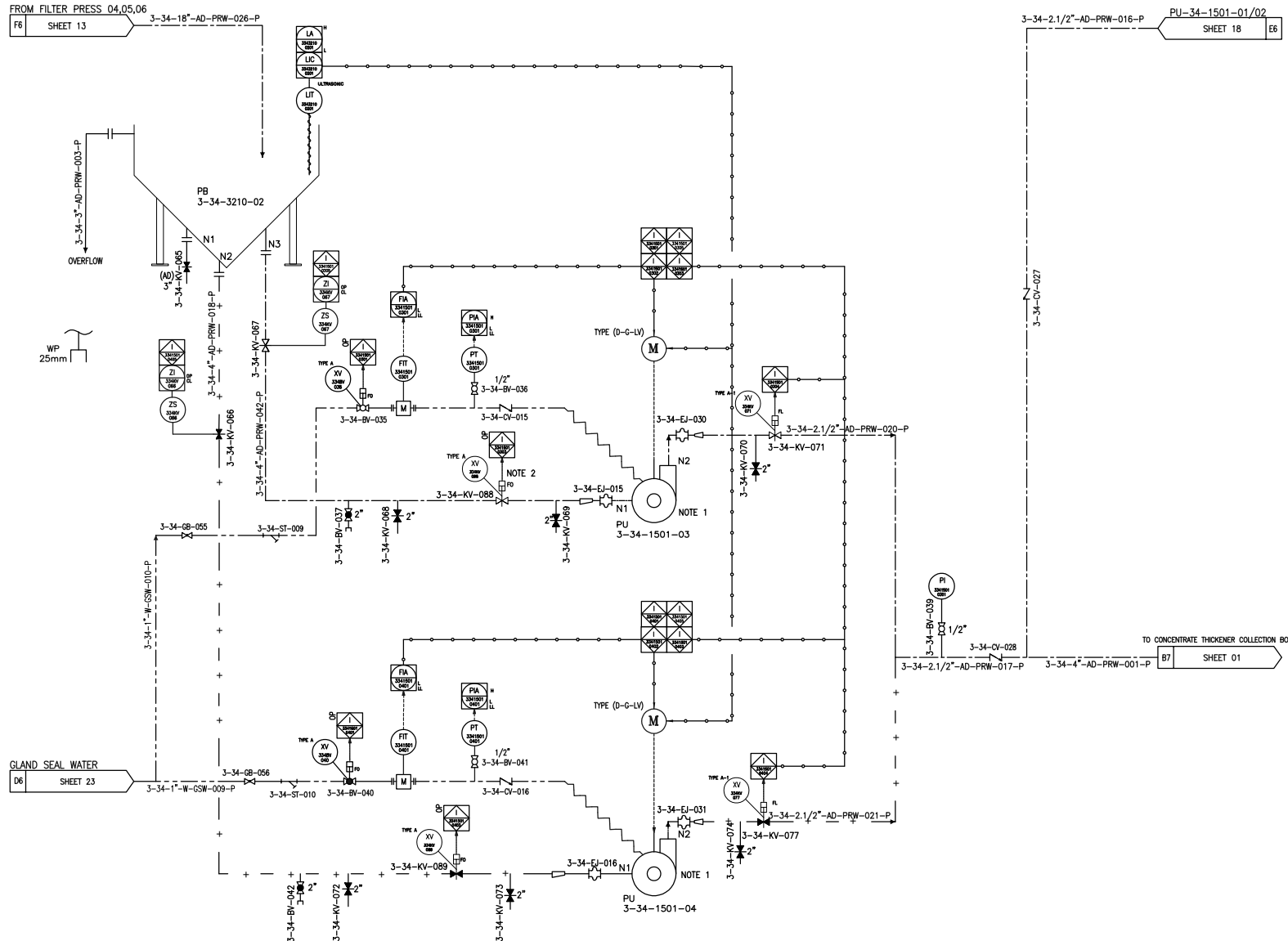
3-34-KV-302

FILTRATE PUMP BOX

ABBRIV: PU
TAG NO: 3-34-3210-02
TYPE: CYLINDRICAL, OPEN TOP, CONICAL
BOTTOM
CAPACITY: 28 m³ (WFL)
DIMENSION: 3m 4.6m(WFL)

FILTRATE PUMP

ABBRIV: PU
TAG NO: 3-34-1501-03/04
TYPE: TBD
CAPACITY: 46 m³/h
HD POWER: 7.5 kW



REFERENCE

REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFD FOR Cu CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

NOTES

- PUMPS TO BE OPERATED AS DUTY AND STANDBY.
- SLURRY PUMP SHALL BE CONSIDERED FOR FILTRATE.

06	2025-06-08	ISSUED FOR CONSTRUCTION				
05	2025-04-11	ISSUED FOR APPROVAL				
04	2025-01-21	ISSUED FOR APPROVAL				
03	2025-12-27	ISSUED FOR APPROVAL				
02	2025-10-27	ISSUED FOR APPROVAL				
01	2025-09-17	ISSUED FOR APPROVAL				
00	2025-05-03	ISSUED FOR REVIEW				
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED
Client:						
Consultant:			EPC Contractor:			
Project:						
Title:						
P&ID for Cu Concentrate Dewatering Area 34						
Client Number:						
28C3-D-4IN-PID-034-0000-00-PR-0027						
Document Number:						
12002-D-PR-PID-303-DWT-027						
Library code:						
303-B03-0000-00-PR-PID-027-D6						
	CLASS	SIZE	SCALE	SHEET NO.	REV.	
	FA	A3	AS SHOWN	19 OF 24	06	00

CLOTH WASH PUMP
 ABBRIV: PU
 TAG NO: 3-34-1502-05/06
 TYPE: VERTICAL SUSPENDED PUMP
 CAPACITY: TBD
 HD POWER: 2.2 kW

REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-000
PFD FOR Cu CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-02

1-THE PSV SET POINT PRESSURE WILL BE SPECIFIED BY THE VENDOR BASED ON THE FILTER PRESS REQUIREMENTS.

06	2026-06-06	ISSUED FOR CONSTRUCTION			
05	2026-04-11	ISSUED FOR APPROVAL			
04	2026-01-21	ISSUED FOR APPROVAL			
03	2025-12-27	ISSUED FOR APPROVAL			
02	2025-10-27	ISSUED FOR APPROVAL			
01	2023-09-17	ISSUED FOR APPROVAL			
00	2023-05-03	ISSUED FOR REVIEW			

Client

Consultant:

Proj	
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Title:

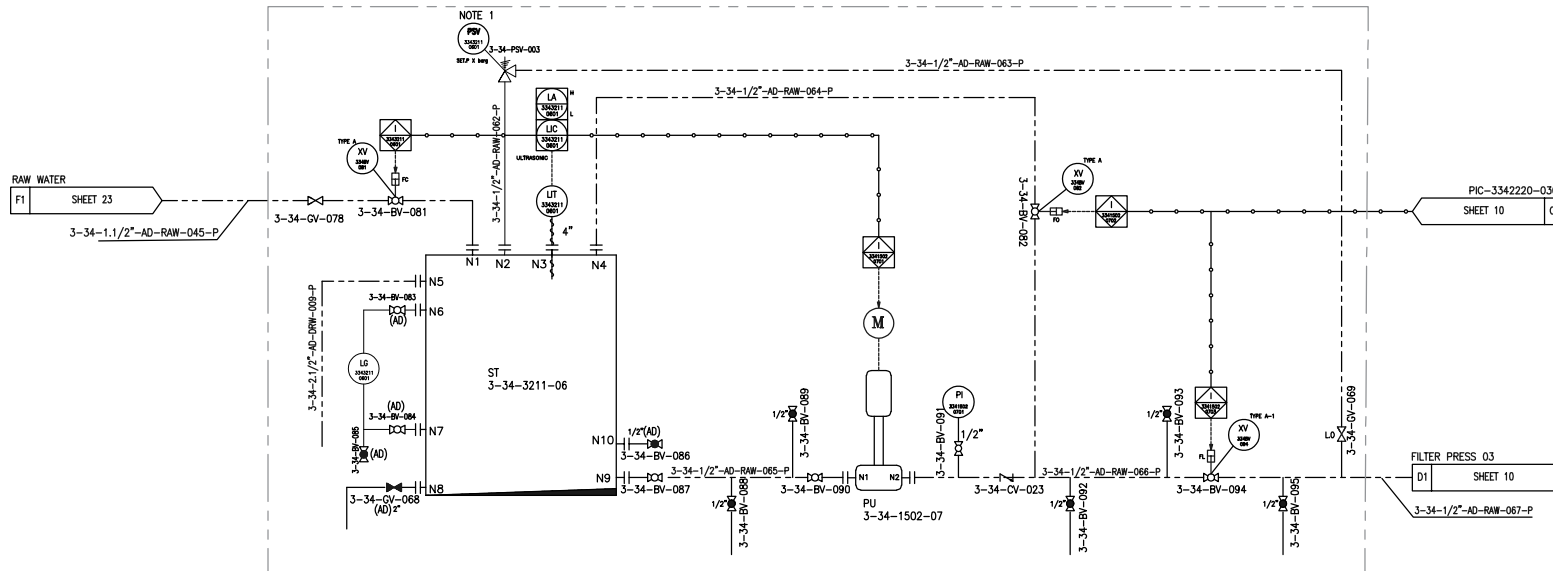
P&ID for Cu Concentrate Dewatering Area 34

Client Number: 28C3-D-4IN-PID-034-0000-00-PR-0027									
Document Number: 12002-D-PR-PID-303-DWT-027				CLASS	SIZE	SCALE	SHEET NO.	REV.	
Library code: 303-E03-0000-00-PR-PID-027-06				FA	A3	AS SHOWN	20 OF 24	06	00

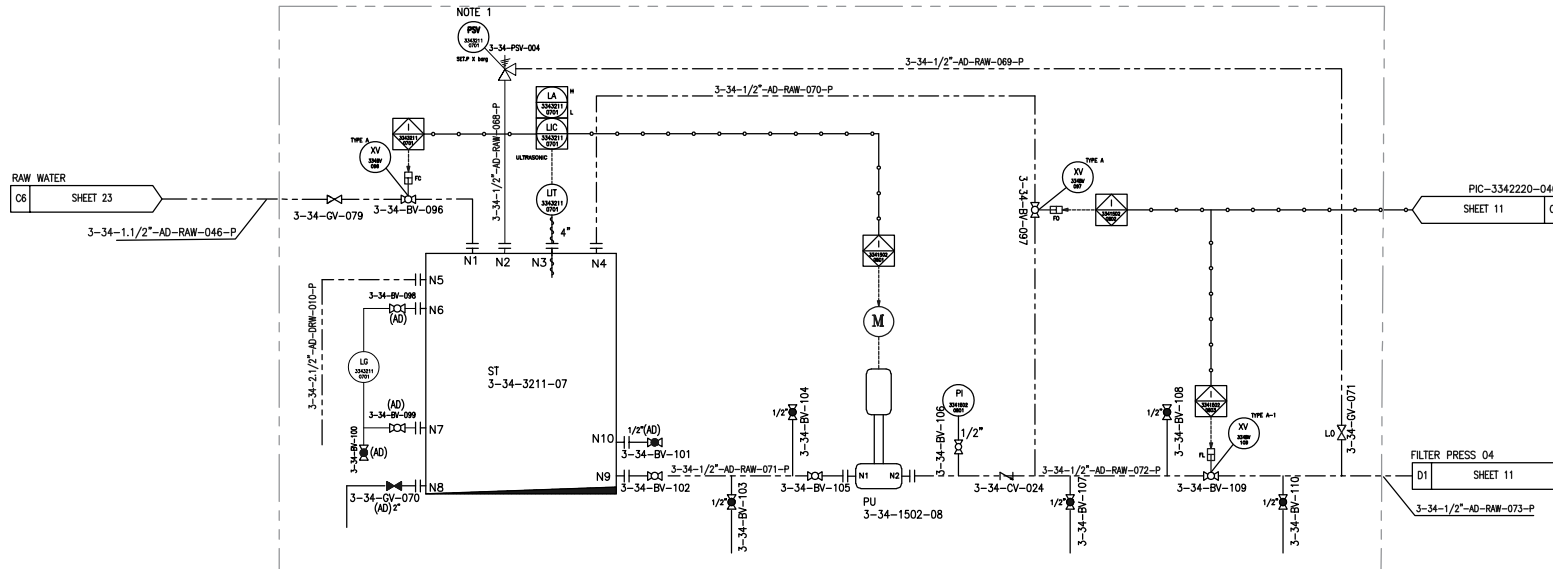
CLOTH WASH WATER TANK
ABBREV: ST
TAG NO: 3-34-3211-06/07
TYPE: CYLINDRICAL
CAPACITY: TBD
DIMENSION: TBD

CLOTH WASH PUMP
ABBREV: PU
TAG NO: 3-34-1502-07/08
TYPE: VERTICAL SUSPENDED PUMP
CAPACITY: TBD
HD POWER: 2.2 kW

MEMBRANE SQUEEZING UNIT



MEMBRANE SQUEEZING UNIT



REFERENCE

REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFD FOR Cu CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

NOTES

1-THE PSV SET POINT PRESSURE WILL BE SPECIFIED BY THE VENDOR BASED ON THE FILTER PRESS REQUIREMENTS.

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED
06	2025-08-08	ISSUED FOR CONSTRUCTION				
05	2025-04-11	ISSUED FOR APPROVAL				
04	2025-01-21	ISSUED FOR APPROVAL				
03	2025-12-27	ISSUED FOR APPROVAL				
02	2025-10-27	ISSUED FOR APPROVAL				
01	2025-09-17	ISSUED FOR APPROVAL				
00	2025-08-08	ISSUED FOR REVIEW				

Client: _____

Consultant: _____ EPC Contractor: _____

Project: _____

Title: _____

P&ID for Cu Concentrate Dewatering Area 34

Client Number: 2803-D-MIN-PID-034-0000-00-PR-0027

Document Number: 12002-D-PR-PID-303-DWT-027

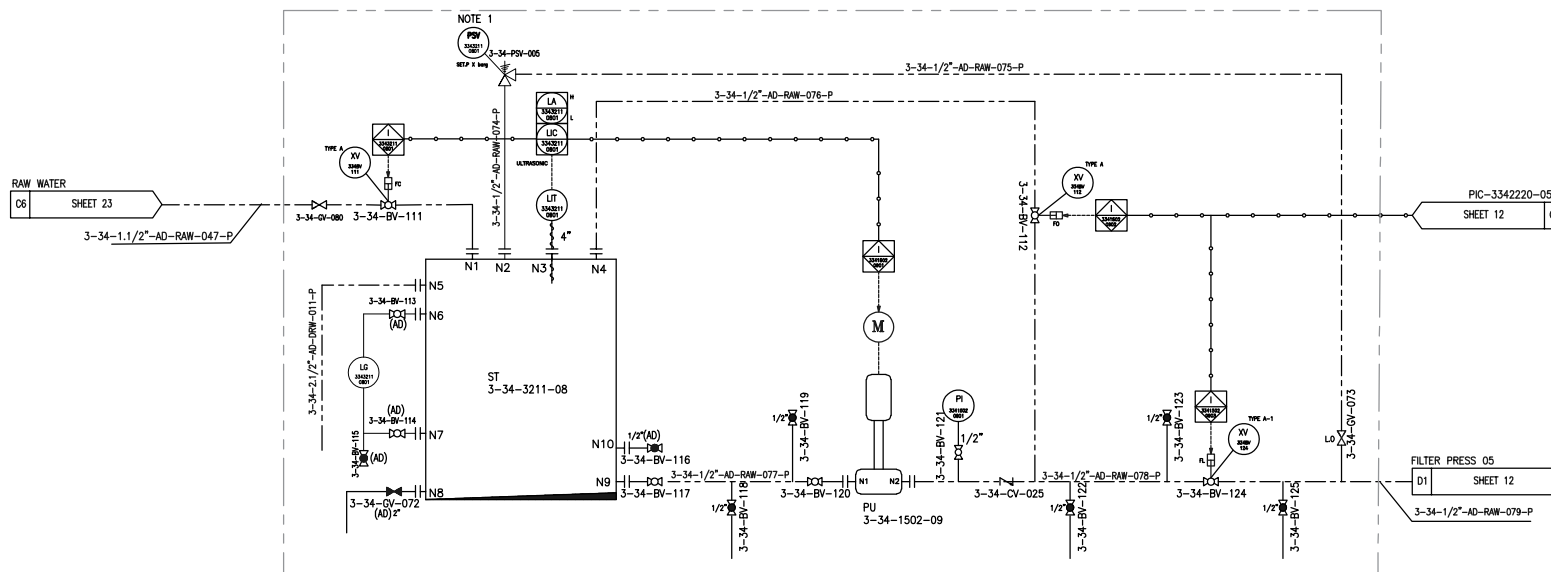
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FA	A3	AS SHOWN	21 OF 24	06

Library code: 303-003-0000-00-PR-PID-027-06

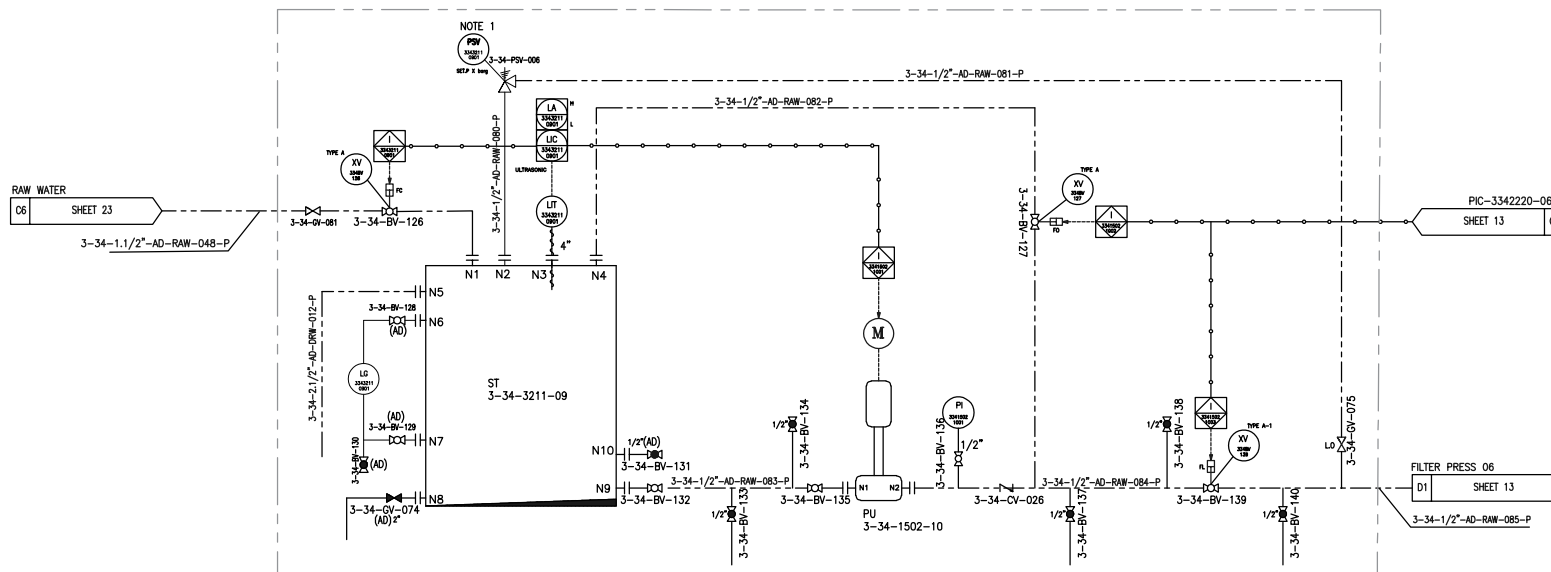
CLOTH WASH WATER TANK
ABBREV: ST
TAG NO: 3-34-3211-08/09
TYPE: CYLINDRICAL
CAPACITY: TBD
DIMENSION: TBD

CLOTH WASH PUMP
ABBREV: PU
TAG NO: 3-34-1502-09/10
TYPE: VERTICAL SUSPENDED PUMP
CAPACITY: TBD
HD POWER: 2.2 kW

MEMBRANE SQUEEZING UNIT



MEMBRANE SQUEEZING UNIT



REFERENCE

REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFD FOR Cu CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

NOTES

1-THE PSV SET POINT PRESSURE WILL BE SPECIFIED BY THE VENDOR BASED ON THE FILTER PRESS REQUIREMENTS.

06	2028-06-08	ISSUED FOR CONSTRUCTION				
05	2028-04-11	ISSUED FOR APPROVAL				
04	2028-01-21	ISSUED FOR APPROVAL				
03	2028-12-27	ISSUED FOR APPROVAL				
02	2028-10-27	ISSUED FOR APPROVAL				
01	2028-09-17	ISSUED FOR APPROVAL				
00	2025-05-03	ISSUED FOR REVIEW				

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED
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Client:

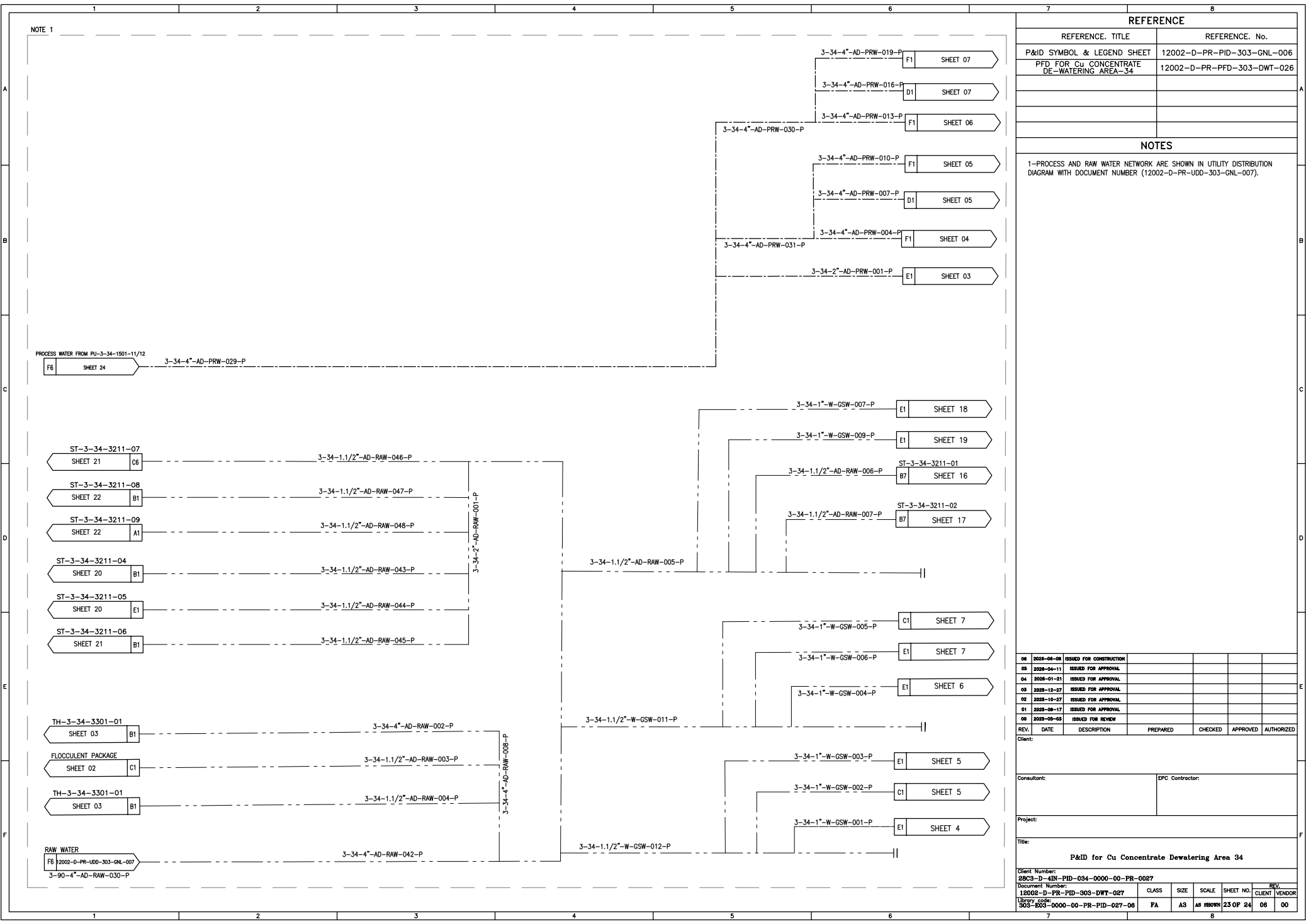
Consultant: EPC Contractor:

Project:

Title:

P&ID for Cu Concentrate Dewatering Area 34

Client Number:	28C3-D-4IN-PID-034-0000-00-PR-0027	CLASS	SIZE	SCALE	SHEET NO.	REV.
Document Number:	12002-D-PR-PID-303-DWT-027	FA	A3	AS SHOWN	22 OF 24	06
Library code:	303-B03-0000-00-PR-PID-027-06					00



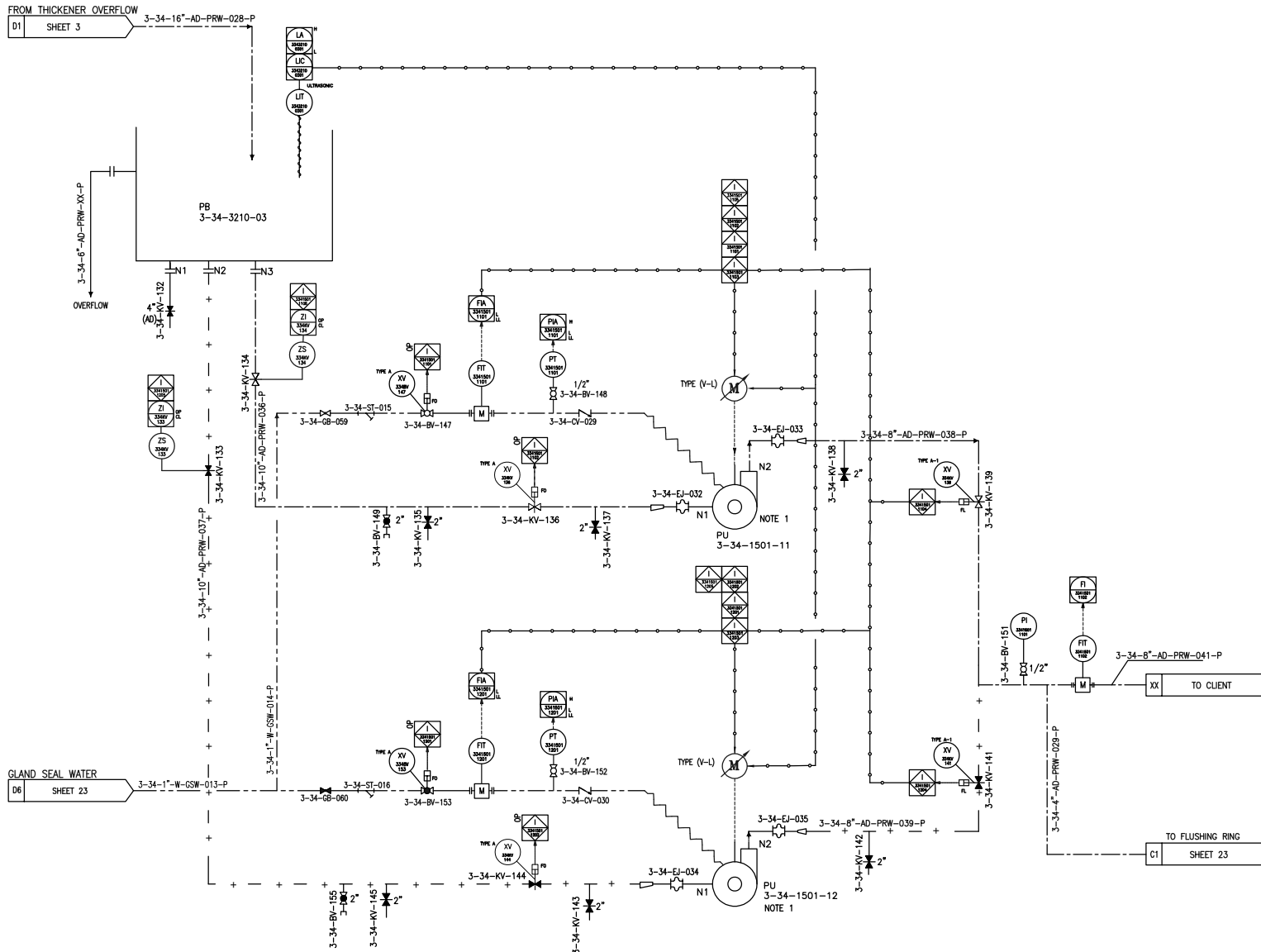
THICKENER OVERFLOW PUMP BOX

ABBREV: PU
TAG NO: 3-34-3210-03
TYPE: CYLINDRICAL
CAPACITY: 60 m³
DIMENSION: TBD

THICKENER OVERFLOW PUMP

ABBREV: PU
TAG NO: 3-34-1501-11/12
TYPE: TBD
CAPACITY: 365 m³/h
HD POWER: TBD

FROM THICKENER OVERFLOW
D1 SHEET 3



REFERENCE

REFERENCE. TITLE	REFERENCE. No.
P&ID SYMBOL & LEGEND SHEET	12002-D-PR-PID-303-GNL-006
PFD FOR Cu CONCENTRATE DE-WATERING AREA-34	12002-D-PR-PFD-303-DWT-026

NOTES

- PUMPS TO BE OPERATED AS DUTY AND STANDBY.

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED
06	2028-06-08	ISSUED FOR CONSTRUCTION				
05	2028-04-11	ISSUED FOR APPROVAL				
04	2028-01-21	ISSUED FOR APPROVAL				
03	2028-12-27	ISSUED FOR APPROVAL				
02	2028-10-27	ISSUED FOR APPROVAL				
01	2028-09-17	ISSUED FOR APPROVAL				
00	2025-09-03	ISSUED FOR REVIEW				

Client:	
Consultant:	EPC Contractor:
Project:	
Title:	

P&ID for Cu Concentrate Dewatering Area 34

Client Number:	28C3-D-4IN-PID-034-0000-00-PR-0027	CLASS	SIZE	SCALE	SHEET NO.	REV.
Document Number:	12002-D-PR-PID-303-DWT-027	FA	A3	AS SHOWN	24 OF 24	06
Library code:	303-B03-0000-00-PR-PID-027-06					00