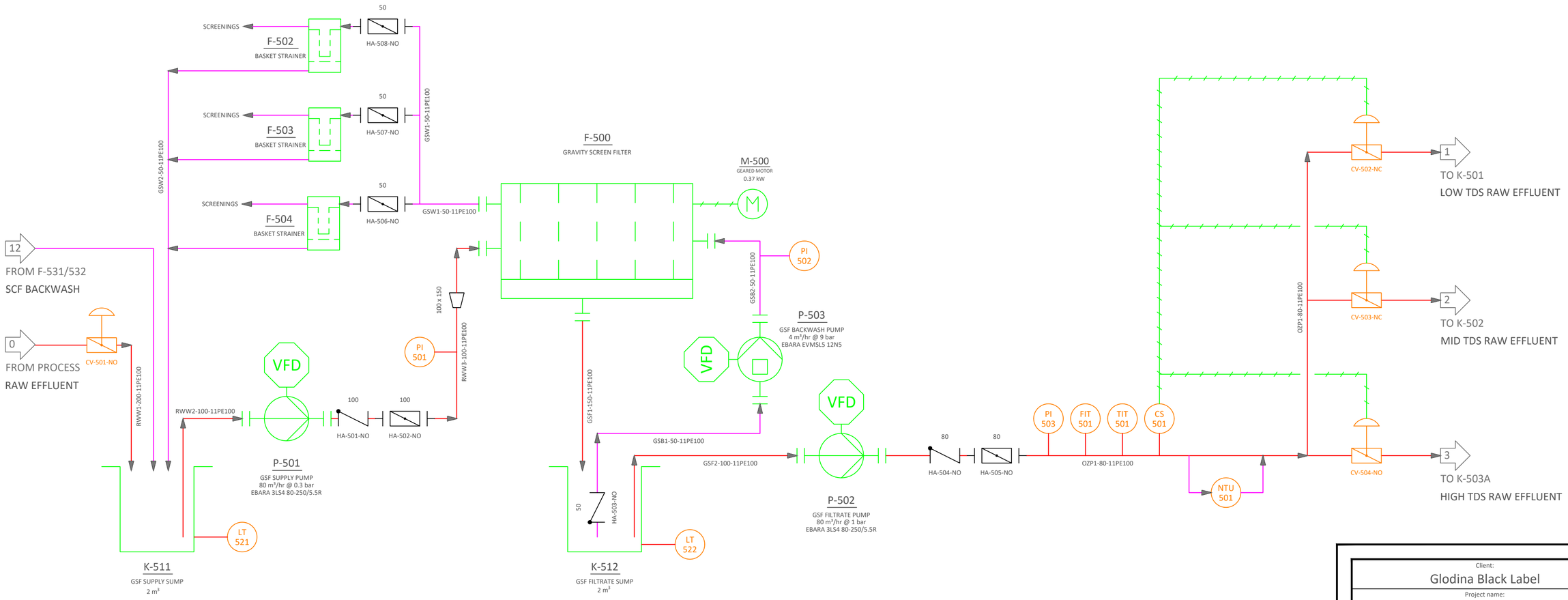


LINE DESCRIPTIONS	
RWW	RAW WASTE WATER
GSF	GRAVITY SCREEN FILTRATE
GSB	GRAVITY SCREEN BACKWASH
GSW	GRAVITY SCREEN WASTE

SYMBOLS	
	BUTTERFLY VALVE
	CHECK VALVE
	CONTROL VALVE
PI	PRESSURE INDICATOR
FIT	FLOW INDICATOR TRANSMITTER
TIT	TEMPERATURE INDICATOR TRANSMITTER
CS	CONDUCTIVITY SENSOR
PH	PH SENSOR
	REDUCER

LINES	
	PRIMARY PROCESS STREAM
	SECONDARY PROCESS STREAM
	ELECTRICAL SIGNAL

Client:
Glodina Black Label

Project name:
Glodina Effluent Treatment

Project number:	Project Manager:	Project Engineer:
2018088	Christ van Schaijk	C ROSSOUW

Drawing number:
2018088-P&ID01

Drawing description:
P&ID - PREFILTRATION

Measure:	Size:
mm	ISO A2

Revision:	Revision by:	Revision date:
D	C ROSSOUW	13/05/2021

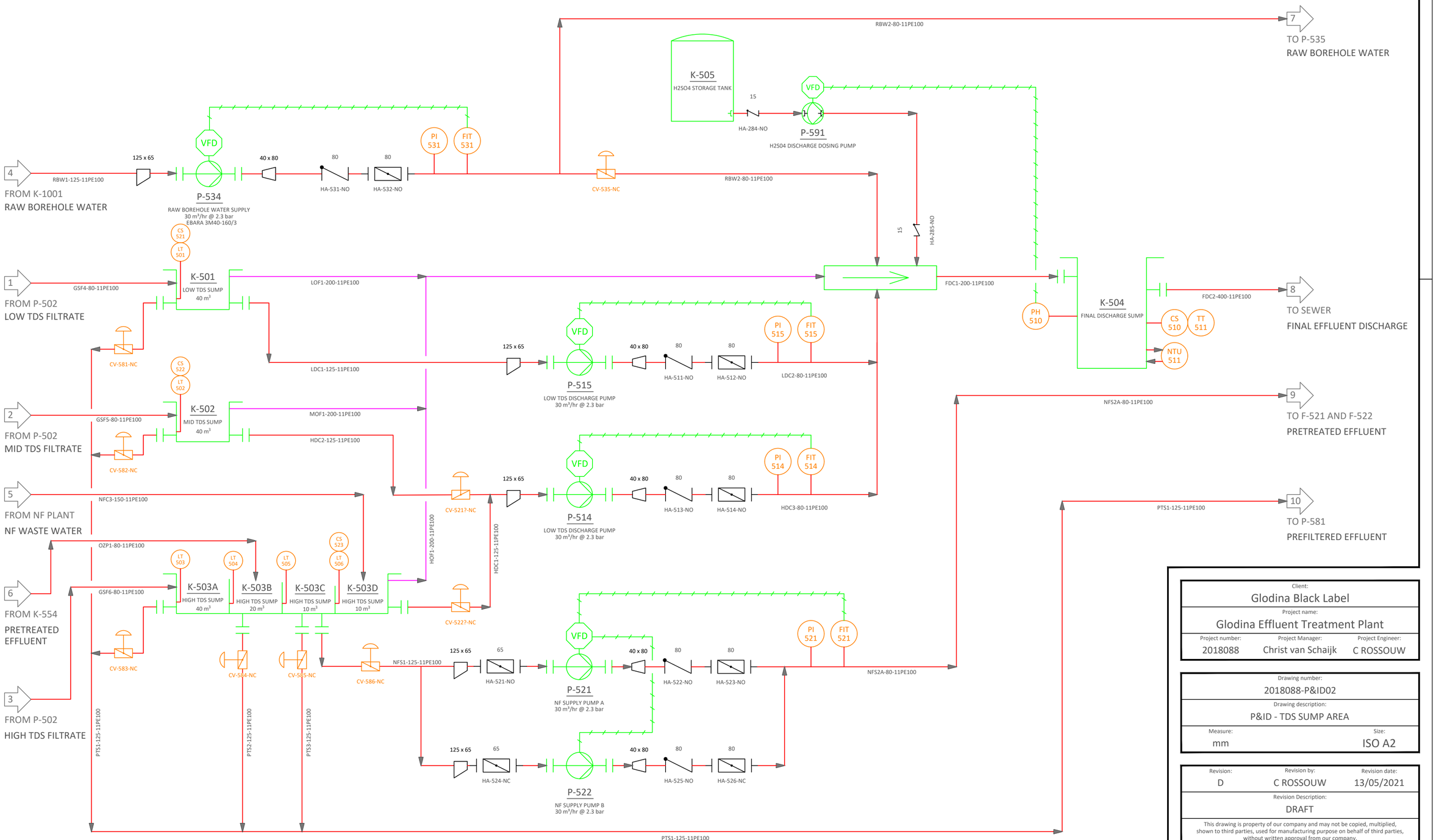
Revision Description:
First Draft

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Member Colsen:	**Signature:**
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LINE DESCRIPTIONS	
RBW	RAW BOREHOLE WATER
GSF	GRAVITY SCREEN FILTRATE
HOF	HIGH TDS OVERFLOW
MOF	MEDIUM TDS OVERFLOW
LOF	LOW TDS OVERFLOW
NFC	NF CONCENTRATE
NFS	NF SUPPLY
PTS	PRETREATMENT SUPPLY
LDC	LOW TDS DISCHARGE
HDC	HIGH TDS DISCHARGE
FDC	FINAL DISCHARGE

Client:
Glodina Black Label

Project name:
Glodina Effluent Treatment Plant

Project number:	Project Manager:	Project Engineer:
2018088	Christ van Schaijk	C ROSSOUW

Drawing number:
2018088-P&ID02

Drawing description:
P&ID - TDS SUMP AREA

Measure:	Size:
mm	ISO A2

Revision:	Revision by:	Revision date:
D	C ROSSOUW	13/05/2021

Revision Description:
DRAFT

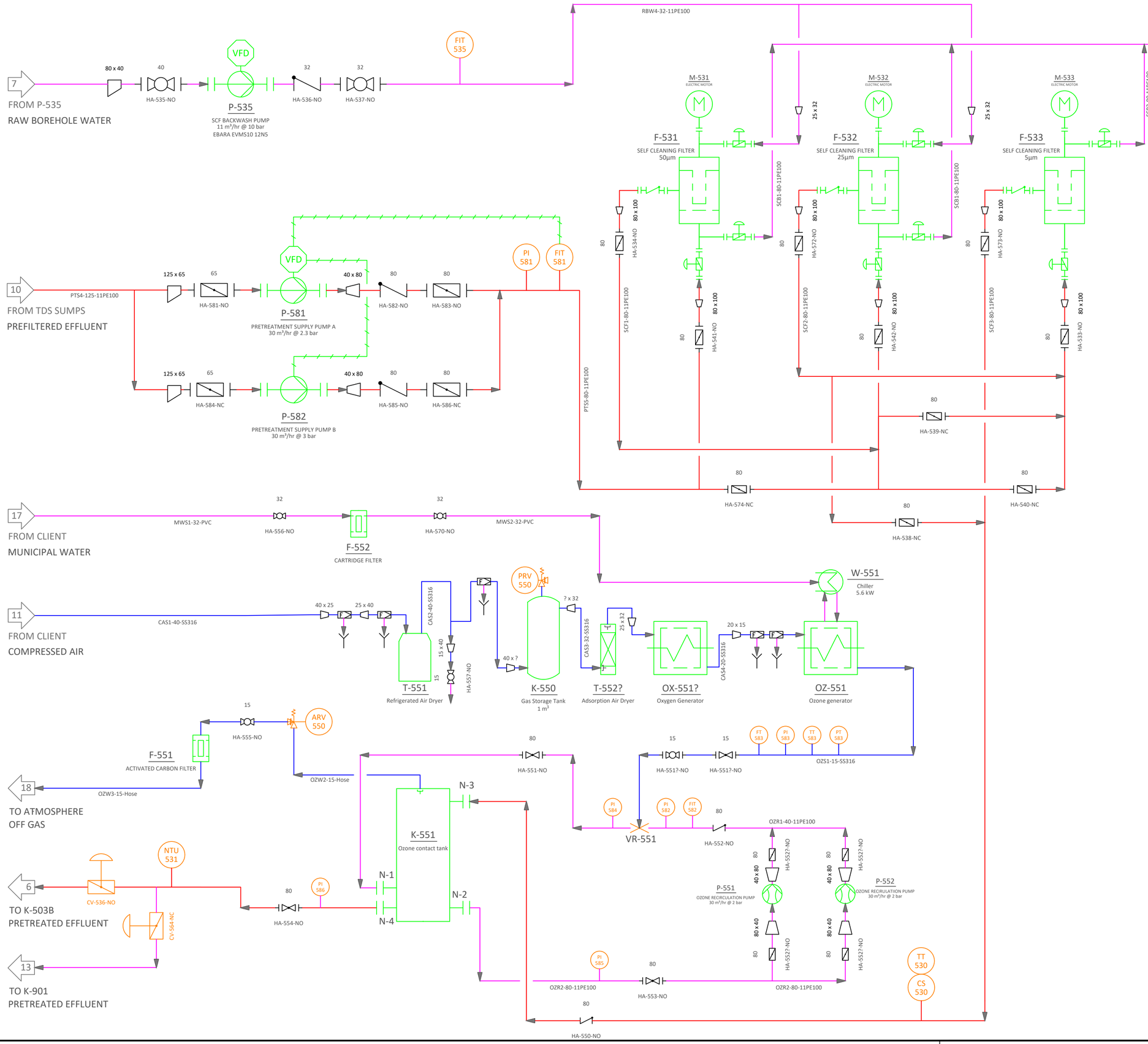
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LINE DESCRIPTIONS	
RBW	RAW BOREHOLE WATER
SCF	SELF CLEANING FILTER FEED
SCB	SELF CLEANING FILTER BACKWASH
OZF	OZONE FEED WATER
OZR	OZONE RECIRCULATION WATER
OZS	OZONE SUPPLY GAS
CAS	COMPRESSED AIR SUPPLY
PTS	PRETREATMENT SUPPLY
MWS	MUNICIPAL WATER SUPPLY

Client:
Glodina Black Label

Project name:
Glodina Effluent Treatment Plant

Project number:	Project Manager:	Project Engineer:
2018088	Christ van Schaijk	C ROSSOUW

Drawing number:
2018088-P&ID03

Drawing description:
P&ID - PRETREATMENT

Measure:	Size:
mm	ISO A2

Revision:	Revision by:	Revision date:
D	C ROSSOUW	13/05/2021

Revision Description:
Draft

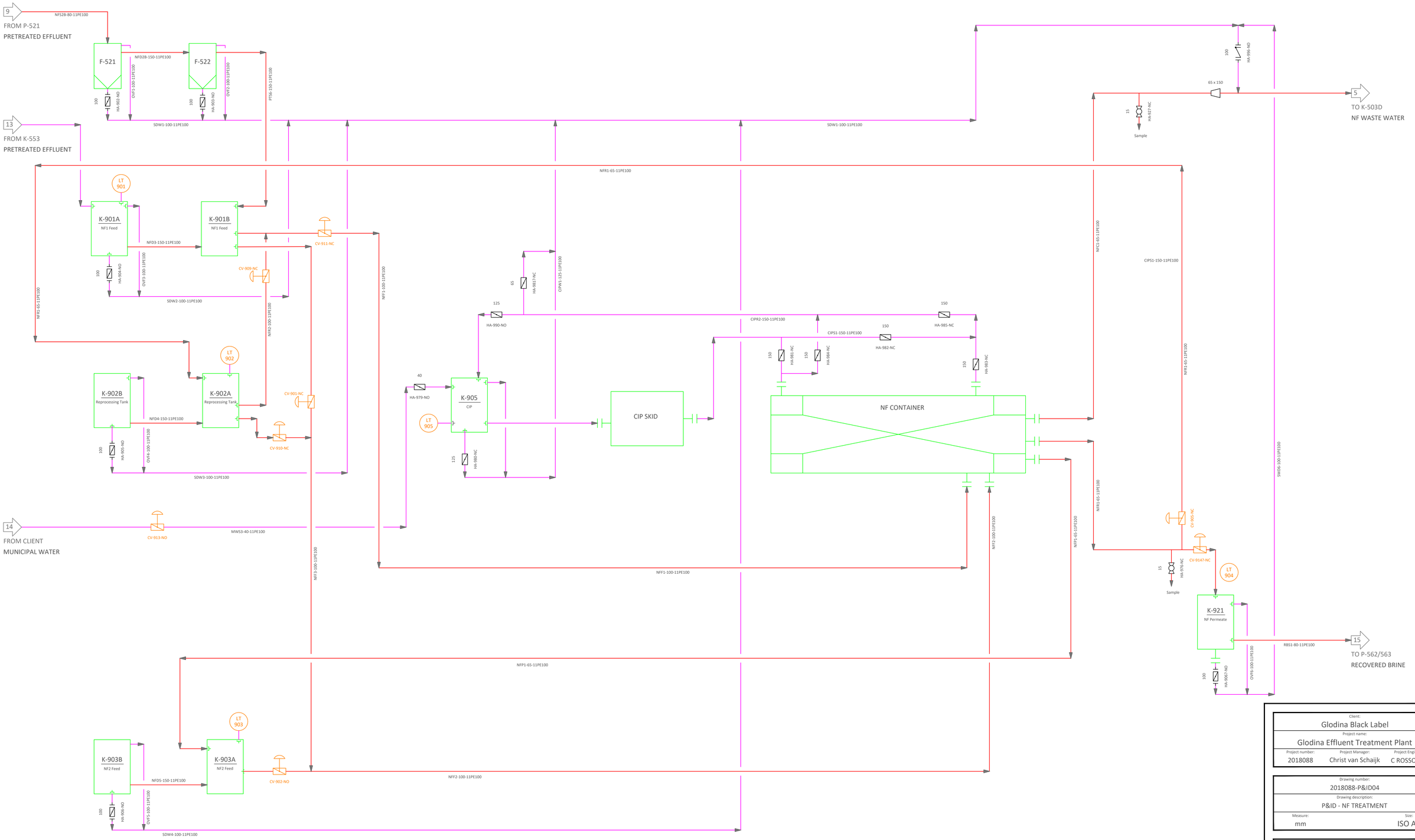
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LINE DESCRIPTIONS	
RBS	RECOVERED BRINE SUPPLY
CIPF	CIP FEED
CIPR	CIP RETURN
CIPW	CIP WASTE DISCHARGE
MWS	MUNICIPAL WATER SUPPLY
NFP	NF PERMEATE
NFC	NF CONCENTRATE
NFS	NF SUPPLY
NFR	NF PERMEATE RECIRCULATION
PTS	PRETREATMENT SUPPLY
SDW	SLUDGE DISCHARGE WATER

Client:
Glodina Black Label

Project name:
Glodina Effluent Treatment Plant

Project number:	Project Manager:	Project Engineer:
2018088	Christ van Schaijk	C ROSSOUW

Drawing number:
2018088-P&ID04

Drawing description:
P&ID - NF TREATMENT

Measure:	Size:
mm	ISO A1

Revision:	Revision by:	Revision date:
D	C ROSSOUW	13/05/2021

Revision Description:
Draft

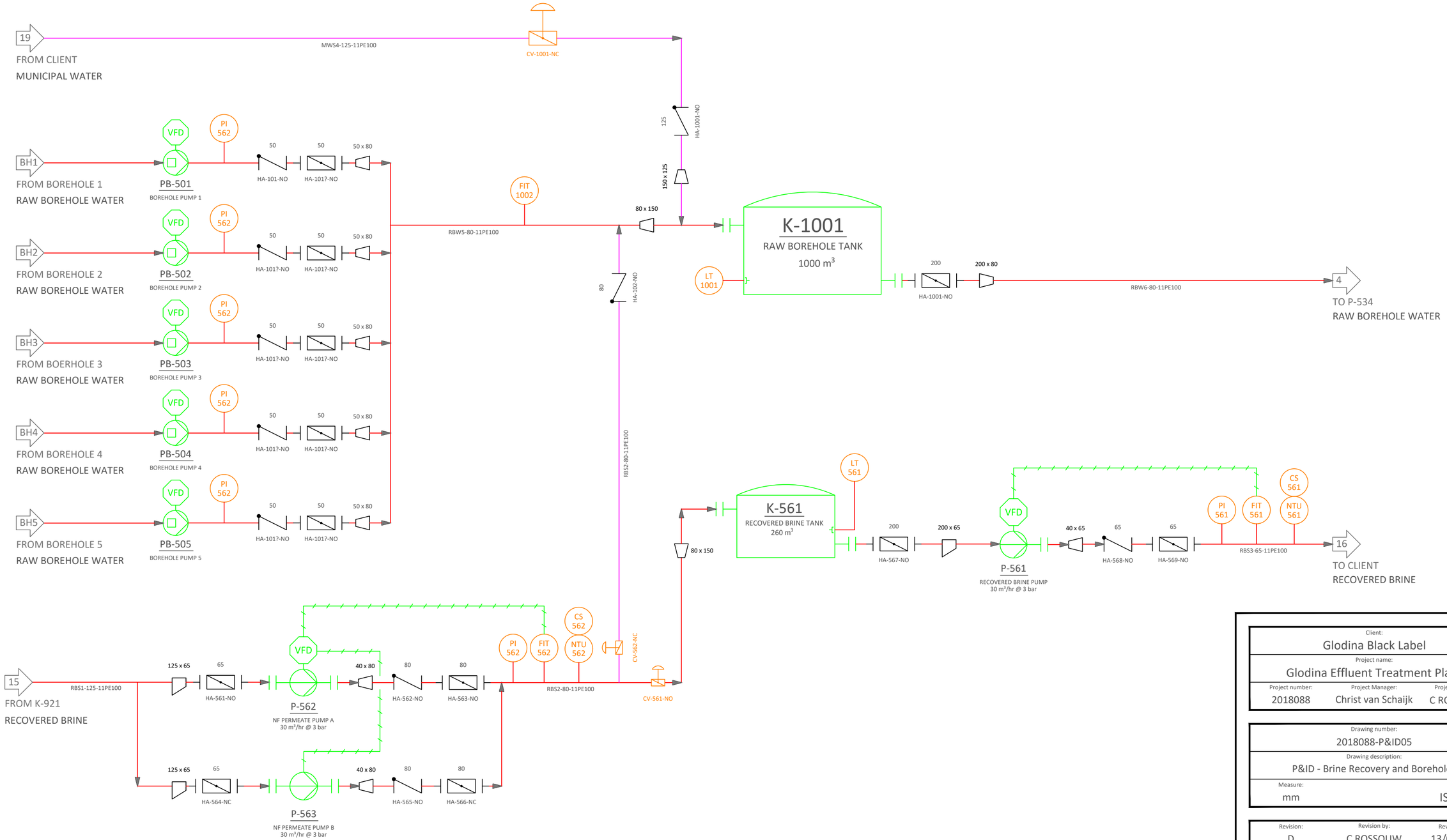
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LINE DESCRIPTIONS	
RBW	RAW BOREHOLE WATER
RBS	RECOVERED BRINE SUPPLE

Client:
Glodina Black Label

Project name:
Glodina Effluent Treatment Plant

Project number:	Project Manager:	Project Engineer:
2018088	Christ van Schaijk	C ROSSOUW

Drawing number:
2018088-P&ID05

Drawing description:
P&ID - Brine Recovery and Boreholes

Measure:	Size:
mm	ISO A2

Revision:	Revision by:	Revision date:
D	C ROSSOUW	13/05/2021

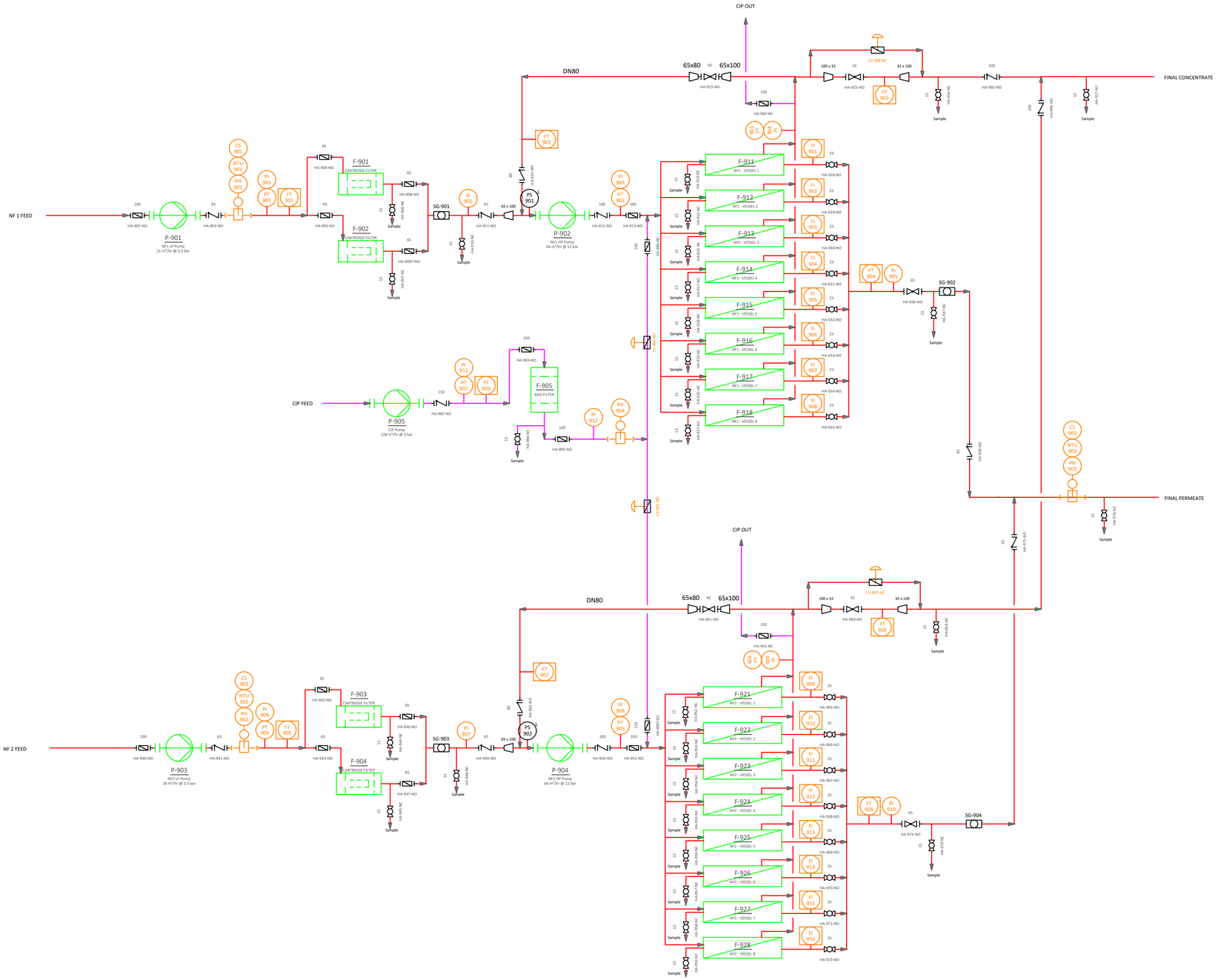
Revision Description:
Draft

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Client:	Glodina Black Label
Project name:	Glodina Effluent Treatment Plant
Project number:	2018088
Project Manager:	Christ van Schaijk
Project Engineer:	C ROSSOUW
Drawing number:	2018088-P&ID-NFSKID
Drawing description:	P&ID - Brine Recovery and Boreholes
Measure:	mm
Size:	ISO A2

Revision:	Revision by:	Revision date:
D	C ROSSOUW	13/05/2021

Revision Description: Draft

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Signature:	
Member Colsen:	####
Signature:	

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