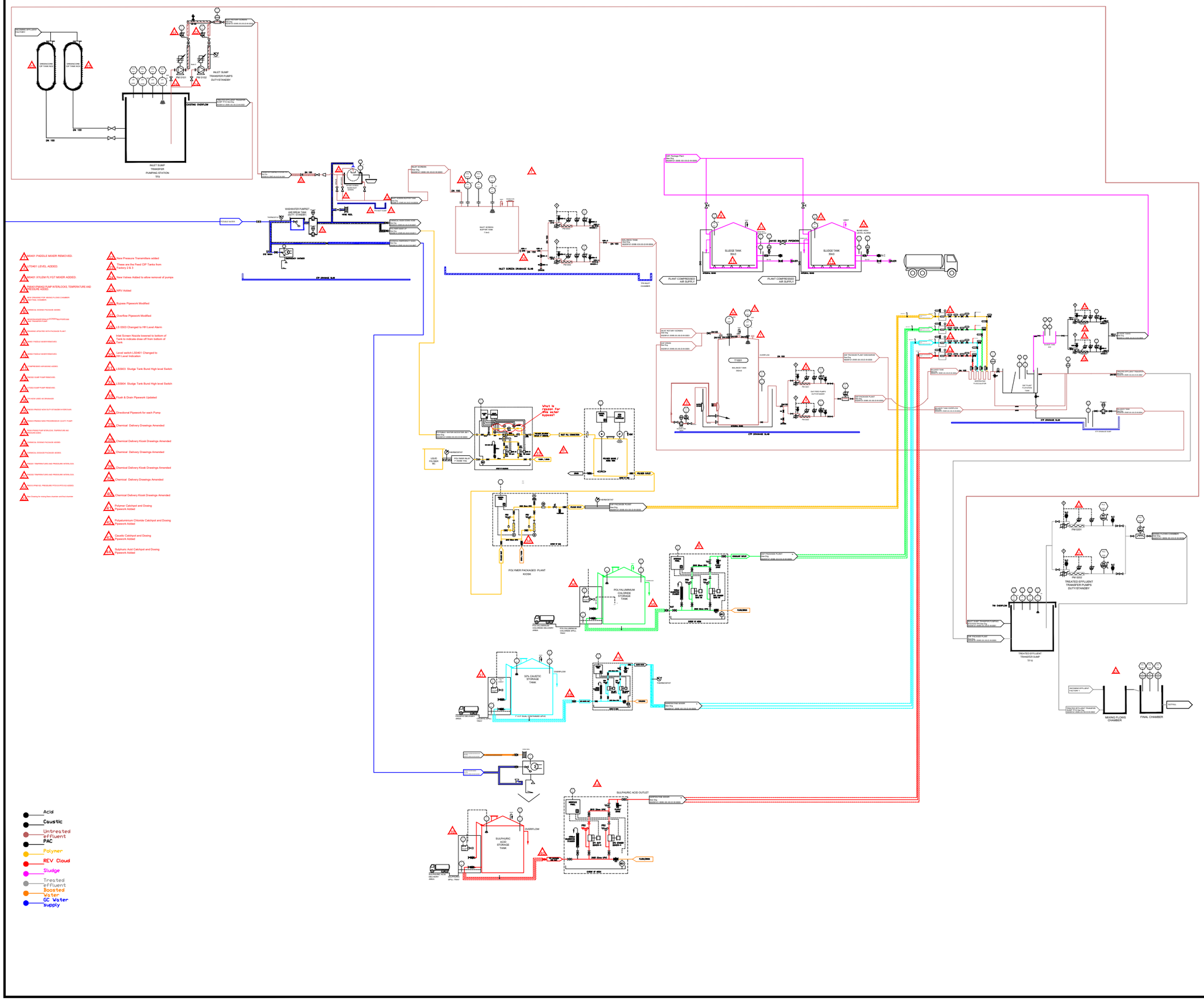

- ADM01 PADDLE MIXER REMOVED.
- LT0401 LEVEL ADDED.
- ADM01 XYLEM FLYGT MIXER ADDED.
- ADM01 PHASED PUMP INTERLOCKS, TEMPERATURE AND PRESSURE ADDED.
- ADD DRAWING FOR MAGNOLIA DAS CHAMBER FACTORIAL CHAMBER
- CHEMICAL DOSING PACKAGE ADDED.
- ADD DRAWING DETAILING EXISTING EQUIPMENT TO BE REMOVED AS PART OF TRANSFER SYSTEM
- ADD NEW UPGRADED EQUIPMENT WITH PHOTOS
- ADD PADDLE MIXER REMOVED.
- ADD PADDLE MIXER REMOVED.
- ADD PRESSURE AIR MAINS ADDED.
- ADD SUMP PUMP REMOVED.
- ADD SUMP PUMP REMOVED.
- ADD NEW USED OIL DRAINAGE
- ADD CRUSHED NON OILY EQUIPMENT/SYSTEMS
- ADD NEW PRESS WITH PROGRESSIVE CAVITY PUMP
- ADD PRESS PUMP WITH BOOSTER PUMP AND PRESSURE VESSEL
- CHEMICAL DOSING PACKAGE ADDED.
- CHEMICAL DOSING PACKAGE ADDED.
- ADD TEMPERATURE AND PRESSURE INTERLOCK
- ADD TEMPERATURE AND PRESSURE INTERLOCK
- ADD OPERATE PRESSURE PI/CO/PT/TO ADDED
- Note Drawing No. missing Sand chamber and final chamber

- New Pressure Transmitters added
- These are the Feed CIP Tanks from Factory 2 & 3
- New Valves Added to allow removal of pumps
- MRV Added
- Bypass Pipework Modified
- Overflow Pipework Modified
- LS 0303 Changed to HH Level Alarm
- Inlet Screen Nozzle lowered to bottom of Tank to indicate draw off from bottom of Tank
- Level switch LS0401 Changed to HH Level Indication
- LS0303 Sludge Tank Bund High level Switch
- LS0304 Sludge Tank Bund High level Switch
- Flush & Drain Pipework Updated
- Directional Pipework for each Pump
- Chemical Delivery Drawings Amended
- Chemical Delivery Kiosk Drawings Amended
- Chemical Delivery Drawings Amended
- Chemical Delivery Kiosk Drawings Amended
- Chemical Delivery Drawings Amended
- Chemical Delivery Kiosk Drawings Amended
- Polymer Catchpot and Dosing Pipework Added
- Polyaluminium Chloride Catchpot and Dosing Pipework Added
- Caustic Catchpot and Dosing Pipework Added
- Sulphuric Acid Catchpot and Dosing Pipework Added

- Acid
- Caustic
- Untreated effluent
- PAC
- Polymer
- REV Cloud
- Sludge
- Treated effluent
- Boosted Water
- GC Water Supply

DISCLAIMERS & NOTES:

This document should not be relied on or used in circumstances other than those for which it was originally prepared and for which SBu was commissioned. SBu accepts no responsibility for this document to any party other than the person by whom it was commissioned.

1. All dimensions are in millimeters unless otherwise stated.

P1	FIRST ISSUE	C.B	A.K	M.F	06.11.2023
Status Rev:	Description:	Drawn:	Check:	App'd:	Output Date:

Construction Date:

Contractor:

S & B Utilities Limited,
Kestia House, Market Flat Lane, Scotton,
Knaresborough, North Yorkshire HG5 9JA
Tel: 01423 866180 Fax: 01423 865679 www.sb-utilities.com

Client: aquaoperations industrial solutions

Site: GREENCORE WARRINGTON

Drawing Title: P&ID

Job No:	Size:	Scale:
S&B UTILITIES	A3	VARIES
Status Description:	Revision:	
PRELIMINARY	P1	
Drawing Number:	Sheet No:	
2023 1023 016	1 OF 1	