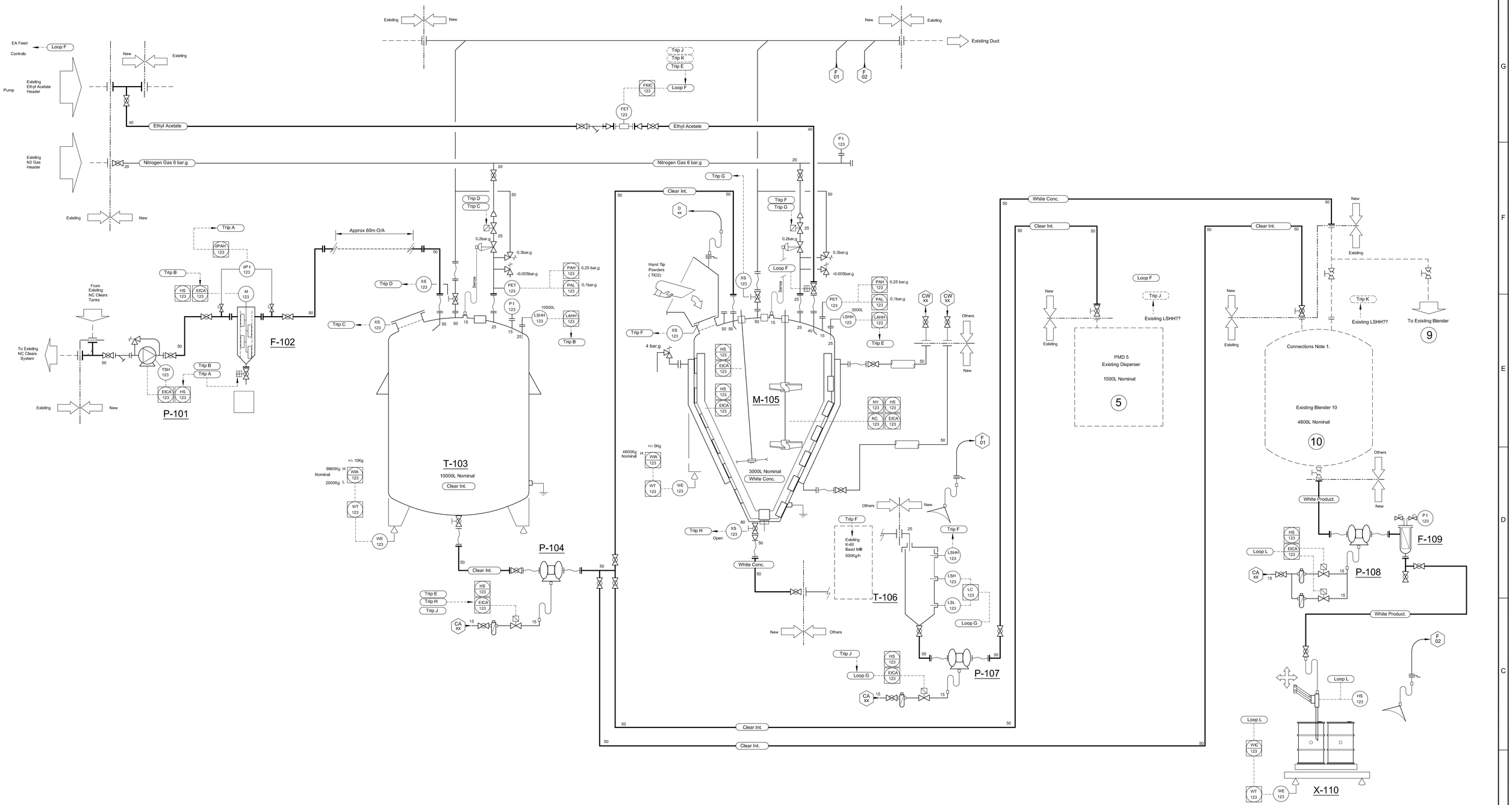

General Notes

1. Availability of connections to be determined.
2. Ethyl Acetate lines & control to existing tanks 5, 10 exist

P-101 (Clear Int.)
PD Type Pump
3-4m3/h
CI / PTFE
250 - 350mPa.s
986Kg/m3
10 bar.g

F-102 (Clear Int.)
Self Cleaning Filter
SS304/ PTFE
Auto Unload
3-4m3/h
125 um
250 - 350mPa.s
986Kg/m3
10 bar.g

T-103 (Clear Int.)
Intermediate Storage Tank
SS304/ PTFE
10000L Nominal Wkg

250 - 350mPa.s
986Kg/m3
0.4 bar.g
0.2 bar.g N2 padding

P-104 (Clear Int.)
AODD Type Pump
6m3/h
AL/ PTFE
250 - 350mPa.s
986Kg/m3
10 bar.g

Viscosity Data TBC

M-105 (White Conc.)
Mixer Disperser
3000L Wkg.
SS304 / PTFE
100s Zahn 4 Assumed: 3000 mPa.s
1520 Kg/m3
0.4 bar.g Vessel
4 bar.g Jacket/coil

T-106 (White Conc.)
Beadmill Break Tank
100L Wkg.
SS304 / PTFE
100s Zahn 4 Assumed: 3000 mPa.s
1520 Kg/m3

P-107 (White Conc.)
AODD Type Pump
0.5m3/h
AL / PTFE
100s Zahn 4 Assumed: 3000 mPa.s
1520 Kg/m3
4 bar.g

P-108 (White Product.)
AODD Type Pump
3-4m3/h
AL / PTFE
550 mPa.s
1260 Kg/m3
4 bar.g

F-109 (White Product.)
Bag Filter
SS304/ PTFE
Auto Unload
3-4m3/h
125 um
550 mPa.s
1260 Kg/m3
6 bar.g

X-110 (White Product.)
Gravimetric Filler
SS304/ PTFE
2-stage Fill
200 - 1000L
3-4m3/h
550 mPa.s
1260 Kg/m3
6 bar.g

Ex Group II Cat 2 G IIb T4
Subject to ATEX assessment

REV.	DATE	DESCRIPTION	DRN.	APP.
B	16/02/17	Now coned disperser	IDC	
A	16/02/17	Bulk powder handling removed. Vessels now on legs. Minor alterations to pipework & Scope Filter data added.	IDC	

REFERENCE DOCUMENTS

IF IN DOUBT - ASK

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PROJECT REFERENCE	AIPS	1445	
	CLIENT		
PROJECT TITLE	White Ink Manufacture		
CLIENT	Flint Ink UK Ltd Vauxhall Industrial Estate Ruabon, Wrexham North Wales LL14 6HU		

DRAWN	IDC
DATE	09/02/17
CHECKED	
APPROVED	
SCALE	NTS
PLOT SIZE	A1
DIMENSIONS	Millimetres

DRAWING TITLE: Piping & Instrumentation Diagram
White Ink Manufacture

PLANT REF.: Ruabon

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DRG. No: X1445-1101 SHT. 1 OF 1 Rev. B