

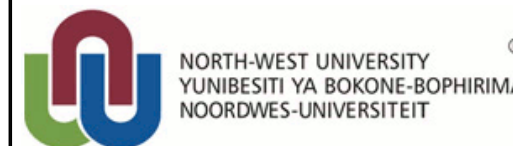
NOTES:

LEGEND

CODE	DESCRIPTION
WCO	Waste Cooking Oil
ECO	Esterified Cooking Oil
RBD	Raw Biodiesel
PBD	Polished Biodiesel
BDP	Biodiesel Product
MHO	Methanol
CAT	Methanol Catalyst
ADD	Biodiesel Additives
PF	Process Fluid (Mixture)
EF1	Effluent 1
EF2	Effluent 2
RG	Raw Glycerol
CW	Cold Water
ST	Steam
CND	Steam Condensate
UW	Utility Water
PV	Process Vapour
CA	Compressed Air

			-
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03	2016/02/17	Pre-Construction	-
02	2015/12/14	Post-HAZOP	-
01	2015/12/09	Pre-HAZOP	-
00	2015/11/23	First Draft	-
REV	DATE	REVISION DESCRIPTION	APP

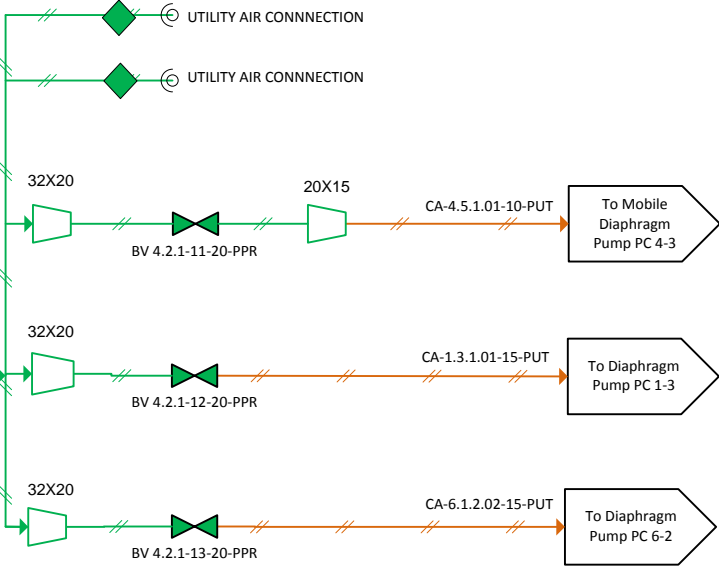
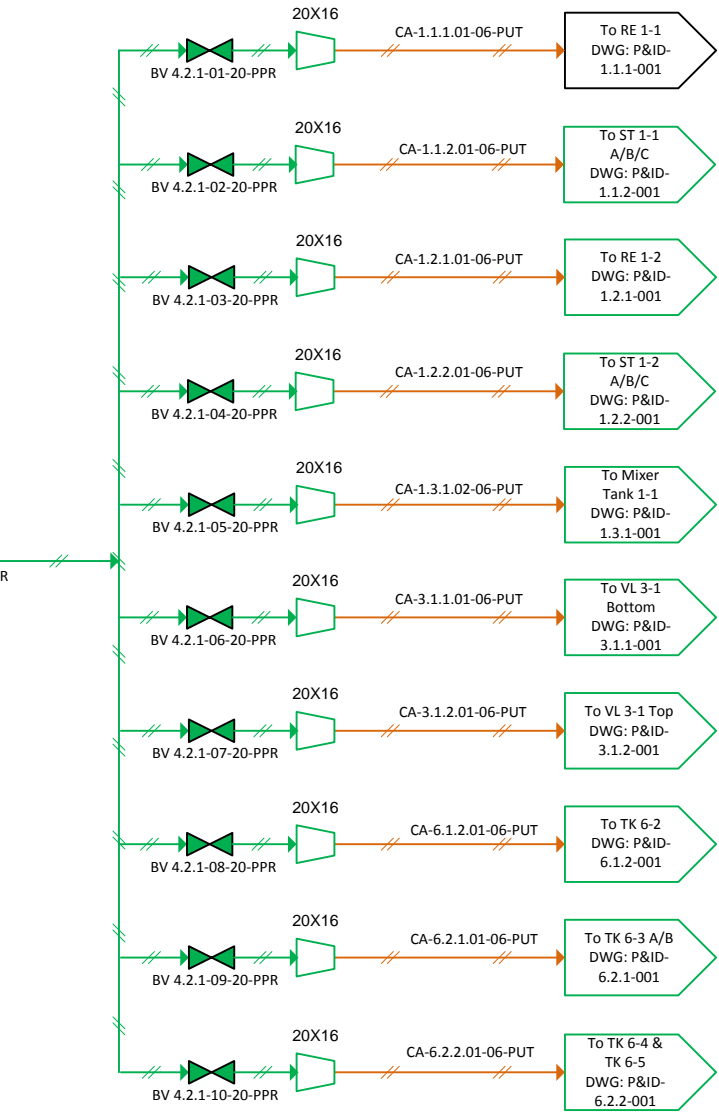
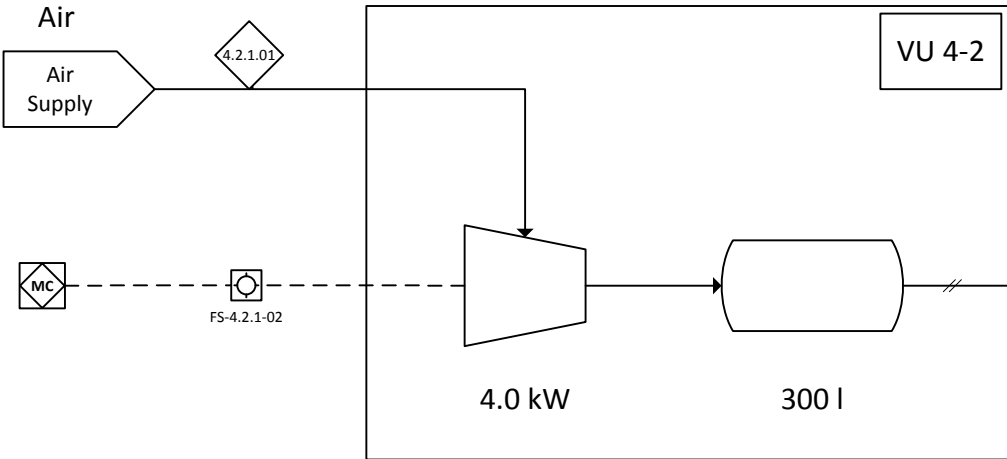
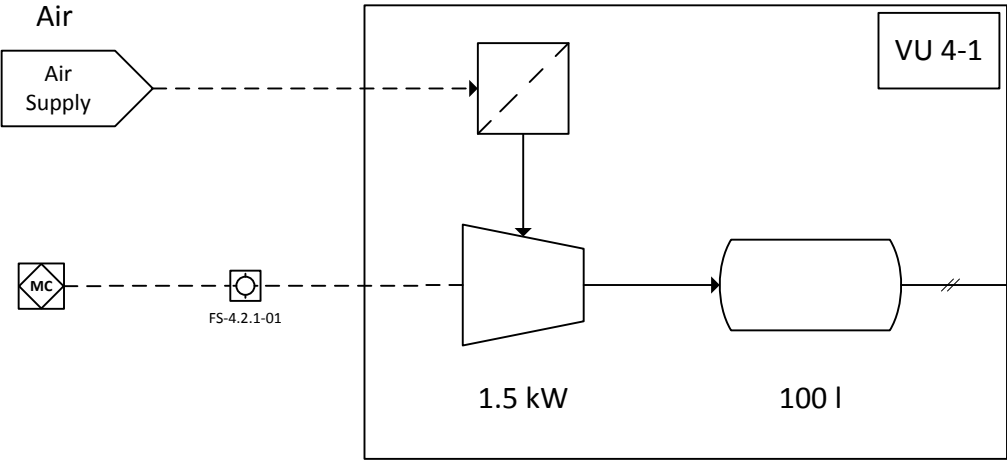
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WP 4.1.1-Utility Water System

DRAWN BY: MORGAN, L	DATE: 2015/10/23	SCALE: NTS	SIZE: A3
DWG NO: iLive-P&ID-4.1.1-001	SHEET: 001	REV: 0D	

VU 4-1		VU 4-2	
Flow Rate	170 lpm	Flow Rate	600 lpm
Pressure	6-8 bar	Pressure	6-8 bar
Drive	Belt	Drive	Belt



NOTES:

LEGEND

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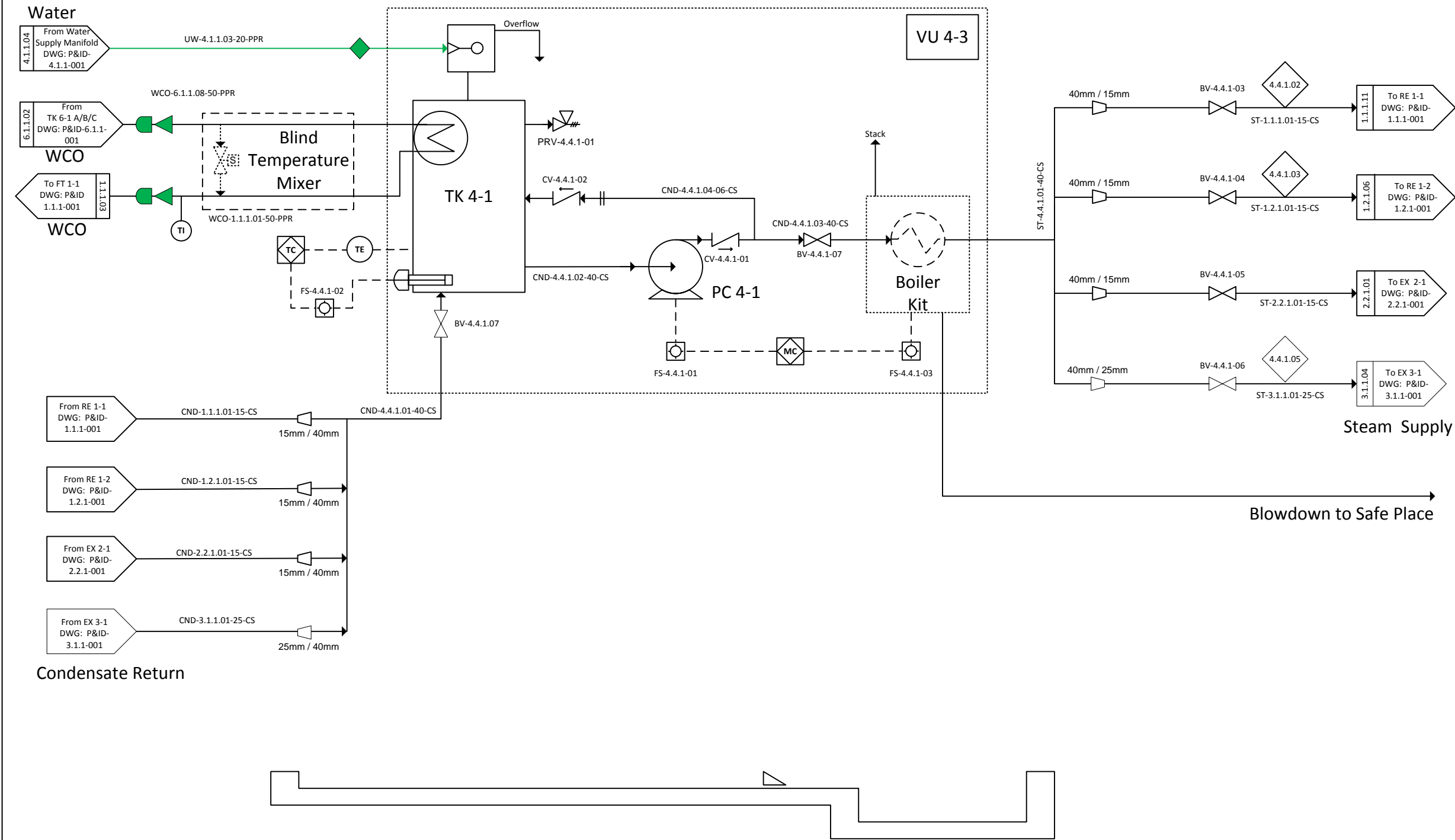
REV	DATE	REVISION DESCRIPTION	APP
03	2016/02/17	Pre-Construction	-
02	2015/12/14	Post-HAZOP	-
01	2015/12/09	Pre-HAZOP	-
00	2015/11/23	First Draft	-

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WP 4.2.1-Instrumentation Air System

DRAWN BY: MORGAN, L	DATE: 2015/10/23	SCALE: NTS	SIZE: A3
DWG NO: iLive-P&ID-4.2.1-001	SHEET: 001	REV: OE	

VU 4-3	
Heat Output	200 kW
Steam Rate	600 kg/h
Operating P	8-10 bar



NOTES:

1. H.W.S. = Hot Water Supply
2. H.W.R. = Hot Water Return

LEGEND	
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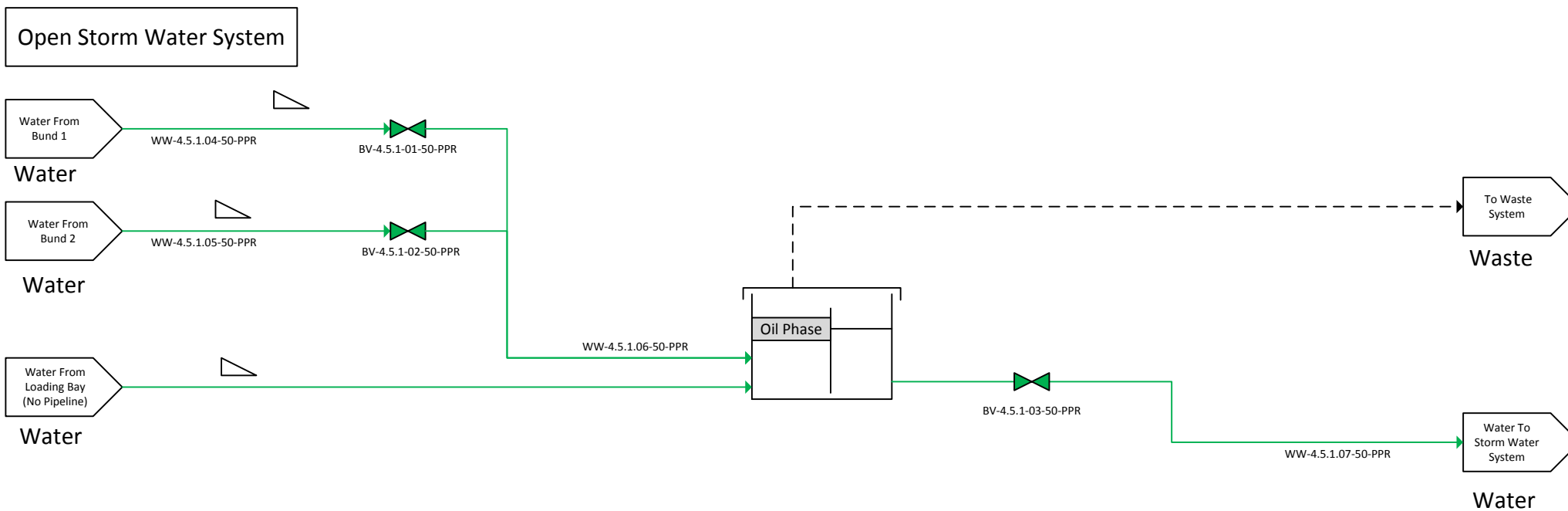
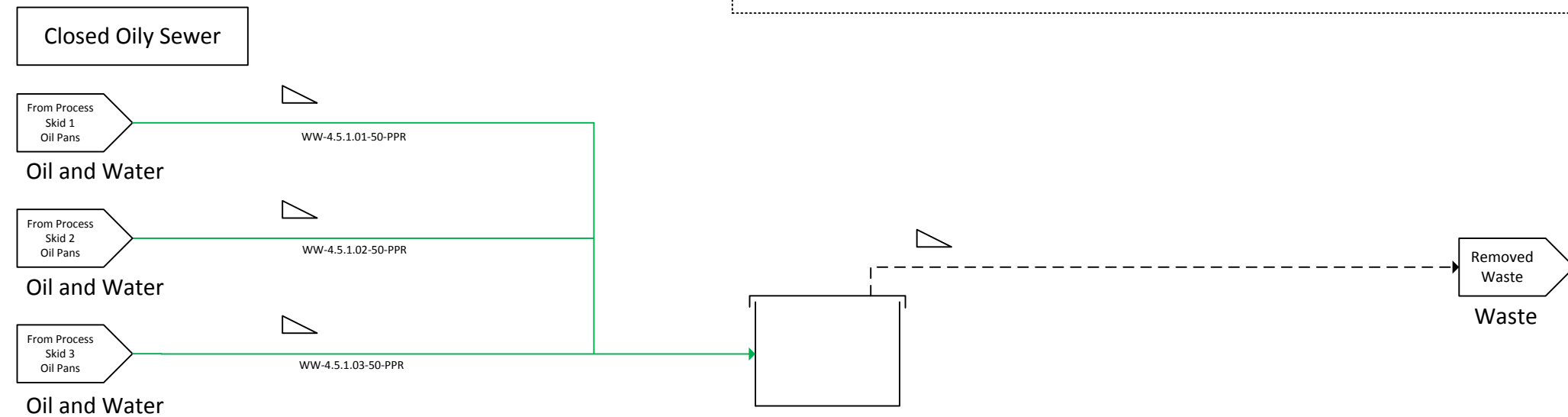
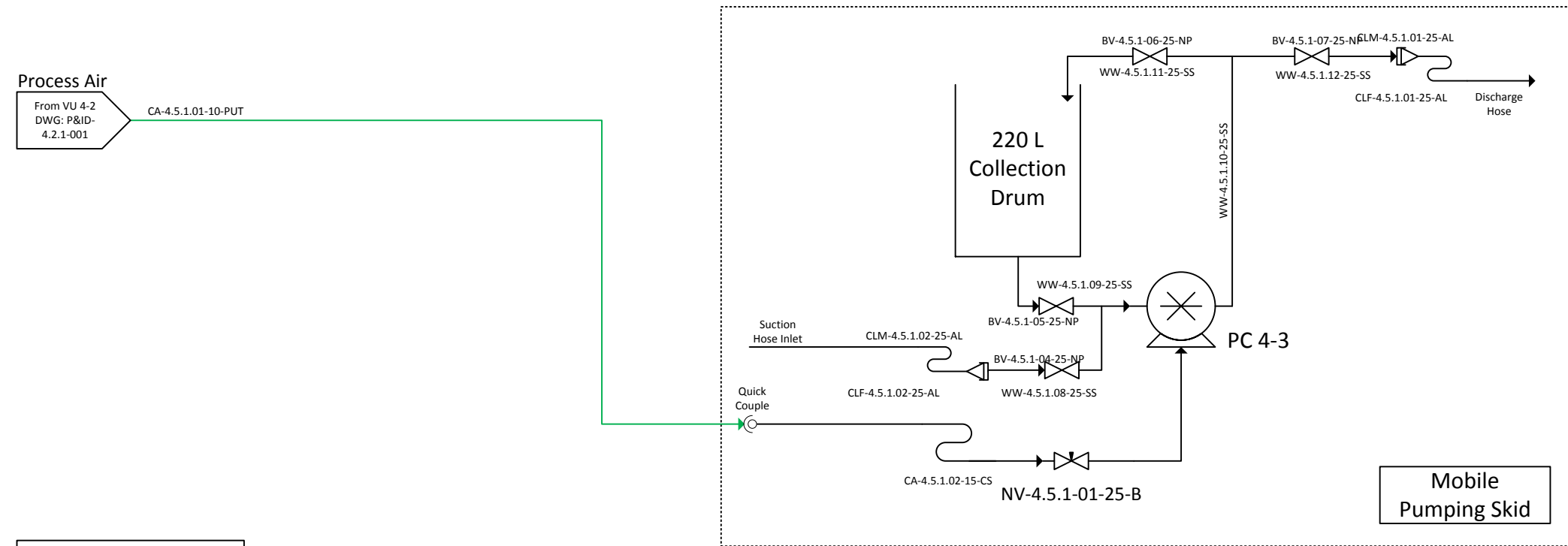
REV	DATE	REVISION DESCRIPTION	APP
03	2016/02/17	Pre-Construction	-
02	2015/12/14	Post-HAZOP	-
01	2015/12/09	Pre-HAZOP	-
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WP 4.4.1 - Steam System

DRAWN BY: MORGAN, L	DATE: 2015/10/23	SCALE: NTS	SIZE: A3
DWG NO: iLive-P&ID-4.4.1-001		SHEET: 001	REV: 0D



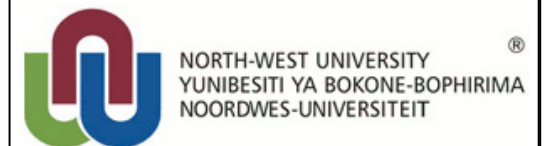
NOTES:

LEGEND

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03	2016/02/17	Pre-Construction	-
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01	2015/12/09	Pre-HAZOP	-
00	2015/11/23	First Draft	-
REV	DATE	REVISION DESCRIPTION	APP

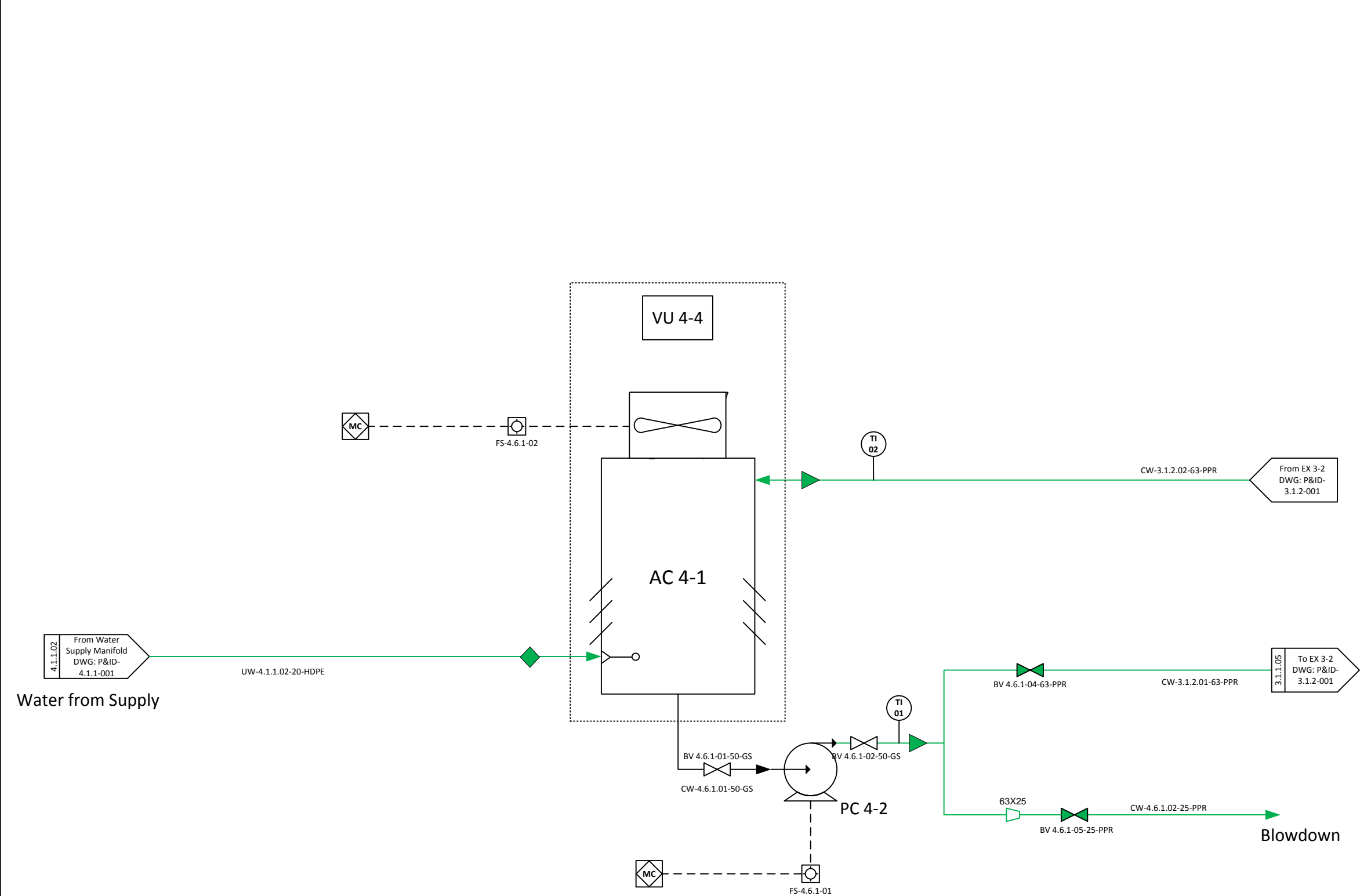
CLIENT:



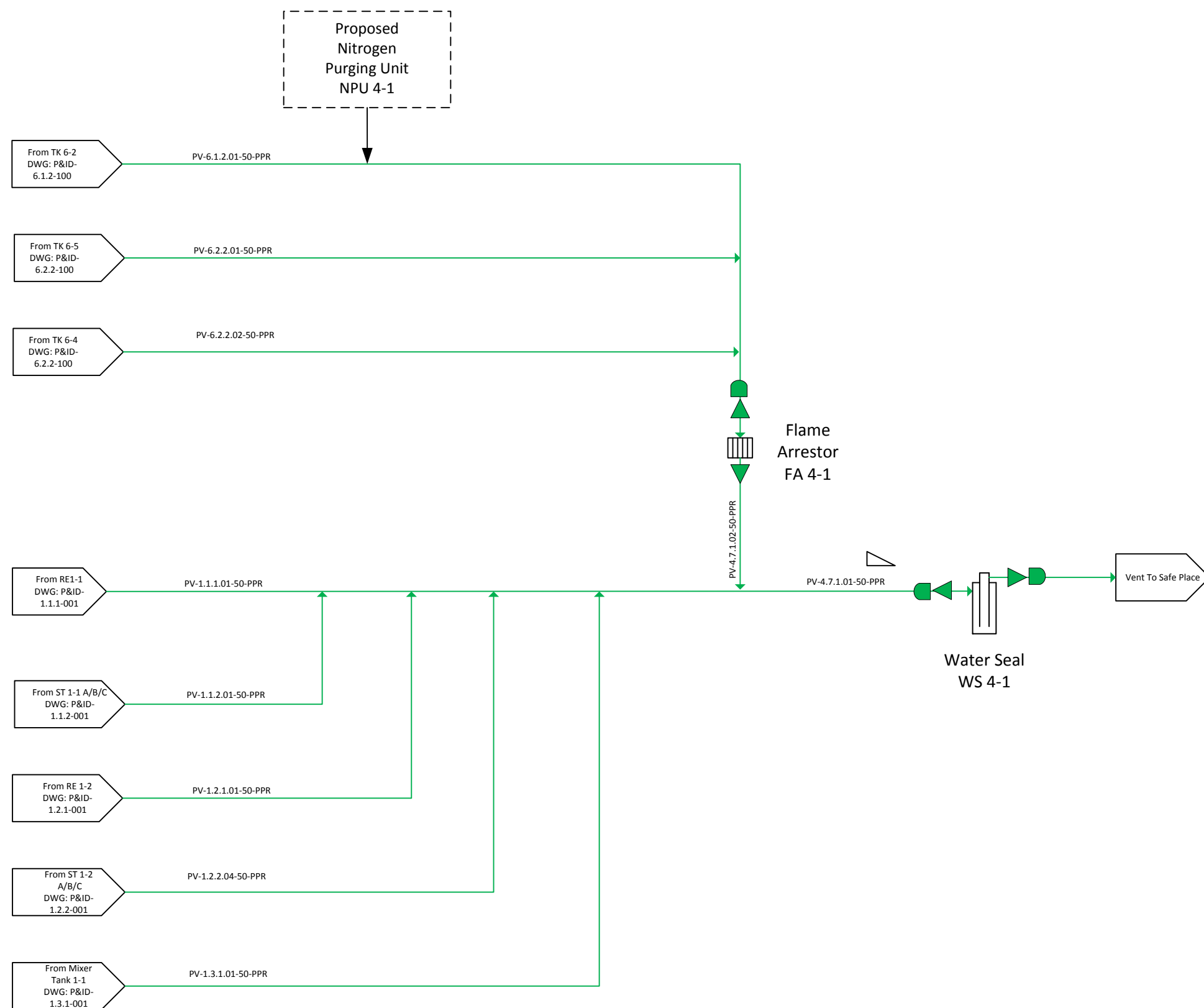
WP 4.5.1 - Oily Sewer System

DRAWN BY: MORGAN, L	DATE: 2015/10/23	SCALE: NTS	SIZE: A3
DWG NO: iLive-P&ID-4.5.1-001	SHEET: 001	REV: OE	

PC 4-2		AC 4-1	
Dimension		Dimension	
T-T		T-T	
Design / Opp. P		Design / Opp. P	
Design / Opp. T		Design / Opp. T	
M.O.C.		M.O.C.	



NOTES:			
LEGEND			
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			-
			-
03	2016/02/17	Pre-Construction	-
02	2015/12/14	Post-HAZOP	-
01	2015/12/09	Pre-HAZOP	-
00	2015/11/23	First Draft	-
REV	DATE	REVISION DESCRIPTION	APP
CLIENT:			
			
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WP 4.6.1-Cooling Water System			
DRAWN BY: MORGAN, L	DATE: 2015/10/23	SCALE: NTS	SIZE: A3
DWG NO: iLive-P&ID-4.6.1-001	SHEET: 001	REV: 0D	




NOTES:


LEGEND

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03	2016/02/17	Pre-Construction	-
02	2015/12/14	Post-HAZOP	-
01	2015/12/09	Pre-HAZOP	-
00	2015/11/23	First Draft	-
REV	DATE	REVISION DESCRIPTION	APP

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WP 4.7.1-Extraction Manifold

DRAWN BY: MORGAN, L	DATE: 2015/10/23	SCALE: NTS	SIZE: A3
DWG NO: iLive-P&ID-4.7.1-001		SHEET: 001	REV: 0D