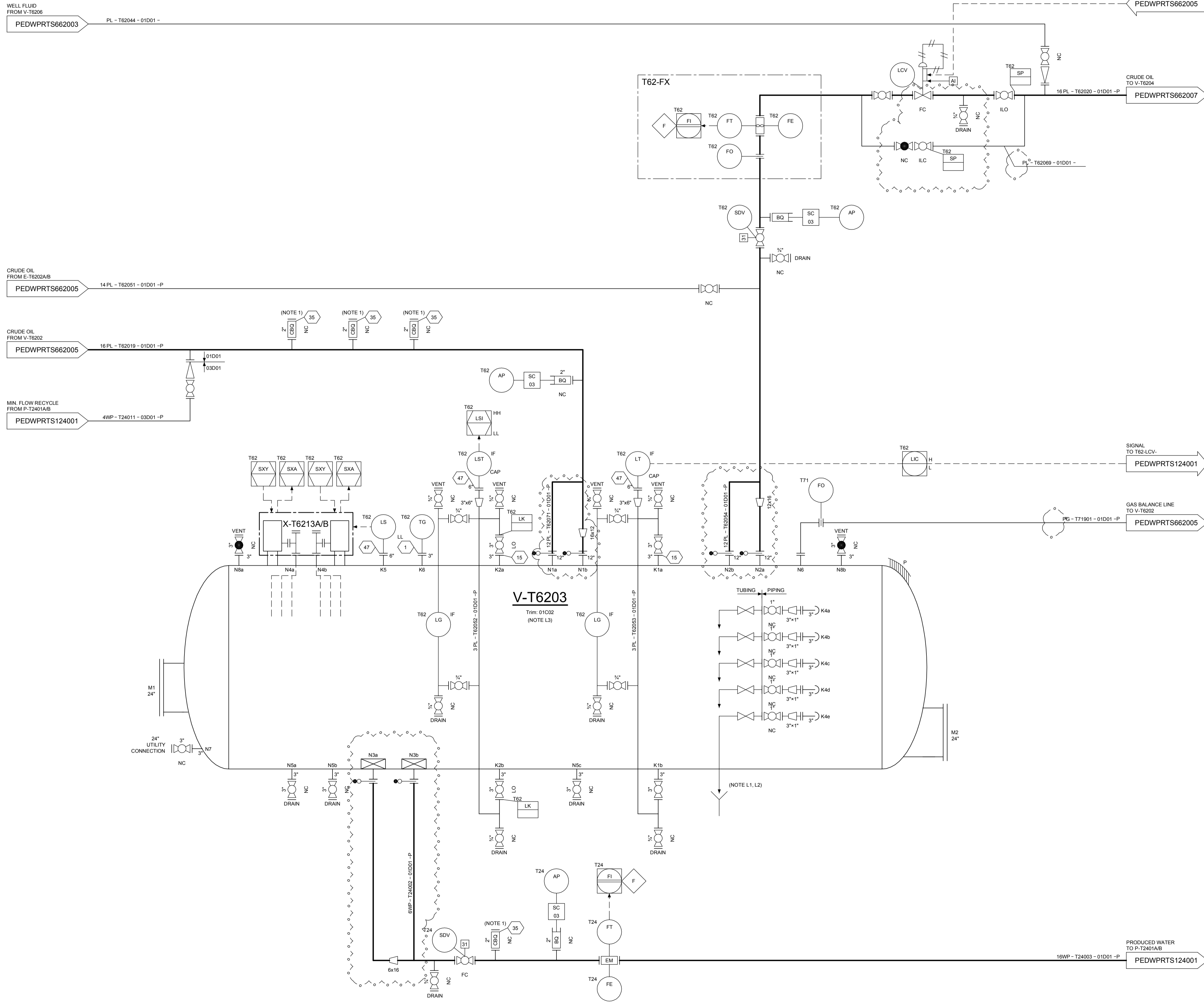


PRE-TREATER (1x100%)	
JTAG	V-T6203
ID x LENGTH (mm x mm)	FV15"
DESIGN PRESSURE [bar(g)]	105
DESIGN TEMPERATURE (°C)	6.7
OPERATING PRESSURE [bar(g)]	90
OPERATING TEMPERATURE (°C)	CARBON STEEL + EPOXY LINING
MOC	

ELECTRIC TRANSFORMER (2x100%)	
TAG	X-T6213A/B
VOLTAGE (V, Hz)	
POWER (kW)	



GENERAL NOTES	
ID	DESCRIPTION
1	PROVISION FOR CHEMICAL INJECTION (SPARE)

LAYOUT NOTES	
ID	DESCRIPTION
L1	SAMPLE TUBING VALVES TO BE AT REACHABLE LOCATION
L2	TUBING FROM EACH SAMPLE CONNECTION (K4A TO K4E) TO BE ROUTED SEPARATELY TO THE GUTTER
L3	LOCATION OF NOZZLES IS SCHEMATIC. FOR EXACT LOCATION REFER TO G.A. DRAWING

REFERENCE DOCUMENTS		
ID	SBM DOC. NUMBER	DESCRIPTION
1	PEDWPRPG999003	FPISO - PIPING LEGEND - P&ID
2	PEDWPRPG999004	FPISO - PIPING IDENTIFICATION LEGEND - P&ID
3	PEDWPRPG999005	FPISO - INSTRUMENTATION LEGEND - P&ID
4	PEDWPRPG999006	FPISO - EQUIPMENT LEGEND - P&ID
5	PEDWPRPG999007	FPISO - TYPICAL DETAILS - P&ID 1
6	PEDWPRPG999008	FPISO - TYPICAL DETAILS - P&ID 2
7	PEDWPRPG999009	FPISO - TYPICAL DETAILS - P&ID 3
8	PESDPITS999120	TOPSIDES - PIPING DETAIL - SPECIFICATION

LEGEND	
	CLOUD INDICATING ITEMS ON HOLD

HOLDS	
ID	DESCRIPTION
1	VESSEL SIZE AND MAIN PROCESS NOZZLE SIZES PENDING VENDOR SELECTION OF PROCESS INTERNALS
2	ELECTRIC TRANSFORMER DATA
3	CONTROL VALVE AND BY-PASS SIZE

TS062

11	29-DEC-11	INTER DISCIPLINE CHECKING	Jaj	Msd	Vra	Cem
Revision	Date (dd-MMM-yy)	Description of revision	Prepared by	Engineering checked by	Approved by LE	Approved by EPM

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PETROBRAS NETHERLANDS B.V.

Client	PETROBRAS NETHERLANDS BV
Project	FPISO CIDADE DE ILHABELA

TOPSIDES PRE-TREATER P&ID			
Format	Projection Method	Scale	Project Number
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Document Number	Sheet No./Sheets	Revision	
PEDWPRTS662006	1 / 1	11	