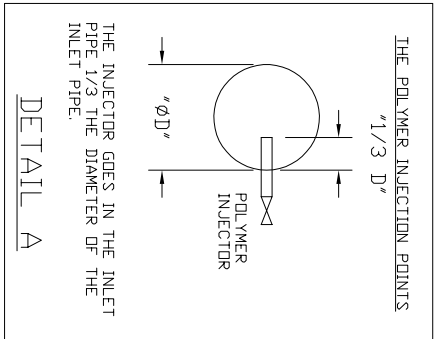




LEGEND	
—	BLUE = CLARIFIED WATER
—	RED = BOTTOM SLUDGE/DRAINAGE
—	BROWN = FLOCCULANT
—	GREEN = REGULATION
—	MAGENTA = SOLID (FLOAT)
—	ORANGE = GAS
—	WHITE = ELECTRICAL

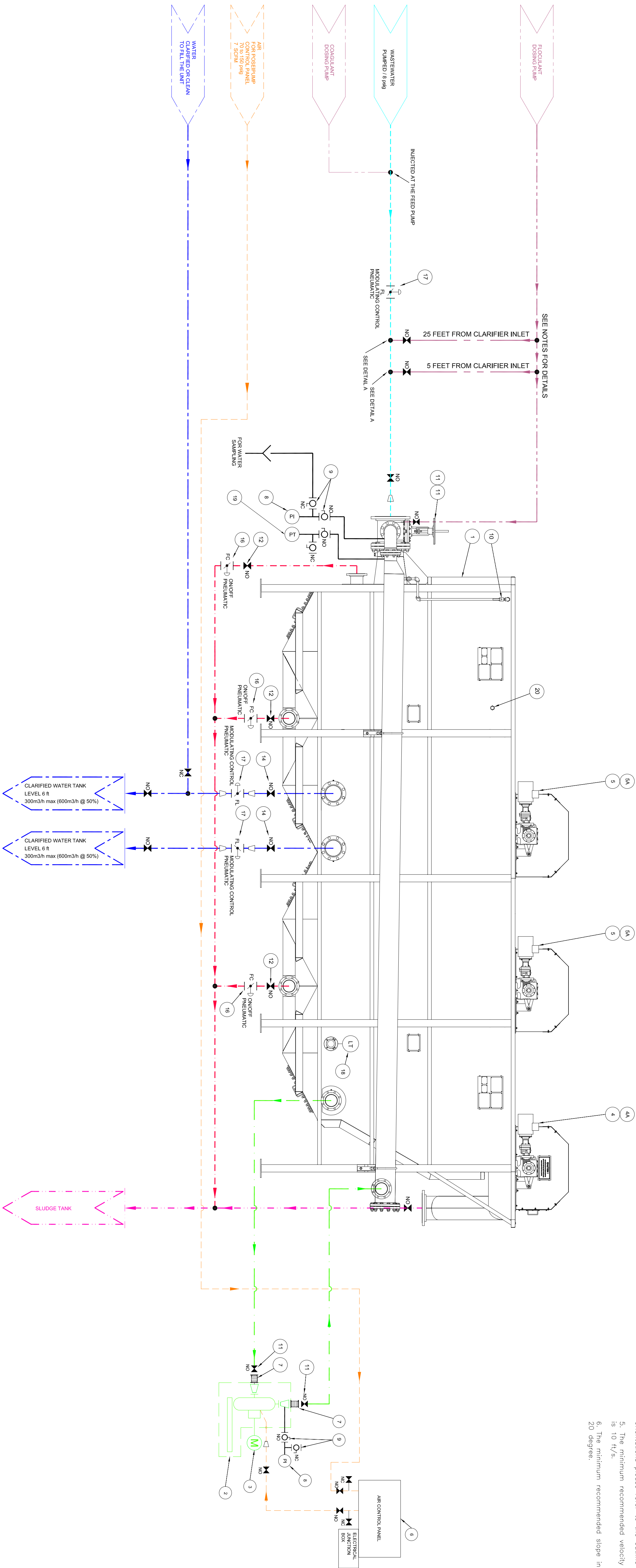
LEGEND OF USED SYMBOLS	
	EXPANSION JOINT
	GATE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	ACTUATED GATE VALVE
	ACTUATED BUTTERFLY VALVE
	SCOW TRANSMITTER
	LEVEL TRANSMITTER
	PRESSURE TRANSMITTER
	FLOAT SWITCH

Motors voltage :
460 V / 3 ph / 60 Hz
Instrumentation voltage :
24 VDC

LISTE DE PIÉCES / PARTS LIST				
NO.	QTY	DESCRIPTION	REQUISITION	UNIT
1	—	DAE CLAMBER	1	—
2	—	FOSSER PUMP ASSY (ON BASE PUMP/PROT)	1	—
3	—	FOSSER PUMP MOTOR 75 HP	1	—
4A	—	VFD (OVERSPEED PROTECTION 10 HP)	1	—
5	—	VFD (Variable Frequency Drive)	1	—
6	—	THICKENER GEAR MOTOR 10 HP	1	—
6A	—	VFD (Variable Frequency Drive)	1	—
7	—	AIR CONTROL PANEL	1	—
8	—	EXPANSION & VIBRATION JOINT FF	1	—
9	—	PRESSURE GAUGE 0-160 psi w/ Diagram	1	—
10	—	BALL VALVE 1/4" MANUAL	1	—
11	—	BALL VALVE 1/2" MANUAL	1	—
12	—	BUTTERFLY VALVE 4" MANUAL	1	—
13	—	BUTTERFLY VALVE 4" MANUAL	1	—
14	—	BUTTERFLY VALVE 12" MANUAL	1	—
15	—	BUTTERFLY VALVE 12" MANUAL	1	—
16	—	BUTTERFLY VALVE 4" PNEUM. ON/OFF	1	—
17	—	BUTTERFLY VALVE 10" CONTROL	1	—
18	—	OP LEVEL TRANSMITTER 3-3.598	1	—
19	—	HIGH LEVEL SWITCH 3/4" NPT	1	—
20	—	HIGH LEVEL SWITCH 3/4" NPT	1	—

NOTES:

1. This Process Flow Diagram represents the typical requirement for the Clarifier Process. Isolation valves, instrumentation and other equipment that don't affect the Clarifier Process can be installed by the customer.
2. Variable frequency drive (VFD) are required for thickener and scraper motors. Supplied by other.
3. Usually only one flocculant injection point is needed. Multiple injection points are needed to test and determine the point that give the best results.
4. This drawing is a schematic representation of the equipments and others auxiliaries. For the exact representation or orientations please refer to the outline drawings.
5. The minimum recommended velocity in the Bottom Drain line is 10 ft/s.
6. The minimum recommended slope in the Sludge Floot line is 20 degree.



PROCESSING PLANT ADDRESS	4100 W. 14TH ST. SUITE 100
PLANT PHONE	214.343.1100
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CUSTOMER	Offshore Oilfield Water Logistics (OWL), Dallas, TX USA	PROJ. NO.	7472-21	0	-	H.L.	H.L.
TITLE	Process Flow Diagram (PFD)	DATE	2021-10-01	NO.	DATE	DESIGN NO.	DESIGN VER.
DESIGNED BY	H. LEBERD	SCALE	N.T.S.	ECN	DATE	REVISION	
VER. DATE	H. LEBERD	FORM	D				