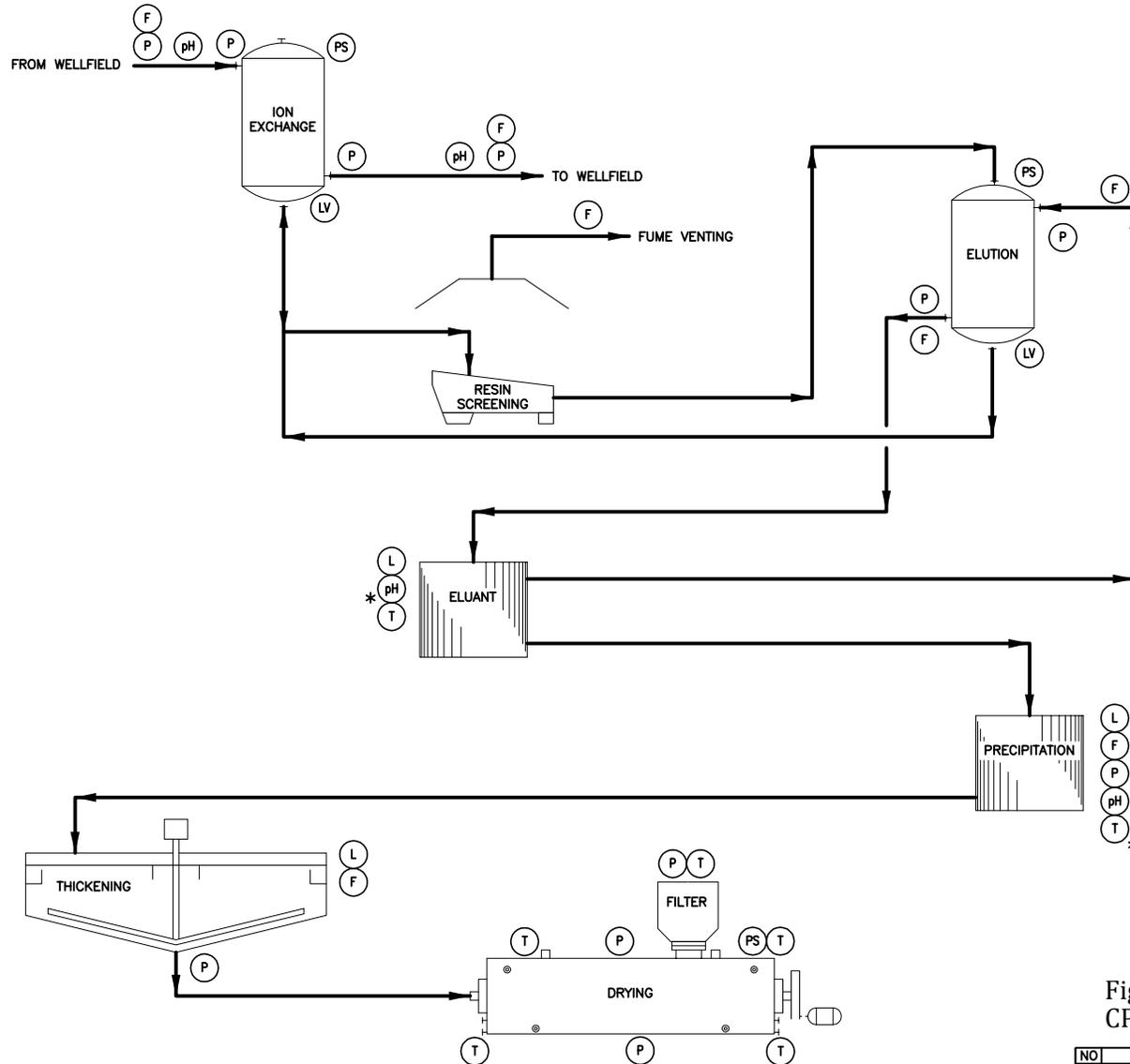


LEGEND:

- (F) FLOW METER
- (L) LEVEL TRANSMITTER
- (LV) LEVEL INDICATION (VISUAL ONLY)
- (P) PRESSURE TRANSMITTER
- (pH) pH TRANSMITTER
- (PS) PRESSURE SAFETY VALVE
- (T) TEMPERATURE TRANSMITTER
- * INDICATES OPTIONAL OR NOT APPLICABLE TO ALL EQUIPMENT



CONTROL PHILOSOPHY NOTES:

1. TRANSMITTERS WILL USE 4–20mA SIGNALS MONITORED BY THE PLC WITH PROGRAMMABLE HI/LO ALARM THRESHOLDS USED TO TRIGGER AUTOMATED SEQUENTIAL SHUTDOWNS OF EQUIPMENT
2. PUMPS WILL BE MONITORED WITH PRESSURE TRANSMITTERS
3. MOTOR STARTERS WILL BE MONITORED FOR RUNNING STATUS AND OVERLOAD
4. VFDs WILL BE MONITORED FOR MOTOR RUNNING, SPEED, CURRENT AND ALARM STATUS
5. FLOW METERS WILL PRODUCE INSTANTANEOUS 4–20mA SIGNALS TOTALIZED IN PLC

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Figure 3.3-1 Preliminary CPP Monitoring Point

| NO. | REVISIONS | BY | APP | DATE |
|--|------------|----------------------------------|-------------|--------------------|
| | | | | |
| STRATA ENERGY | | ROSS ISR PROJECT PLANT DESIGN | | |
| PRELIMINARY MONITOR POINTS WITHIN CPP | | | | |
| | | | | |
| CAD-OP | C.SPICER | 08/12/10 | DATE | TIME LAST MODIFIED |
| CKD. | | | 120910.0945 | |
| P.M. | J. KYLE | | DRAWING NO. | REV. |
| SCALE: | () N.T.S. | | SKETCH-01 | |