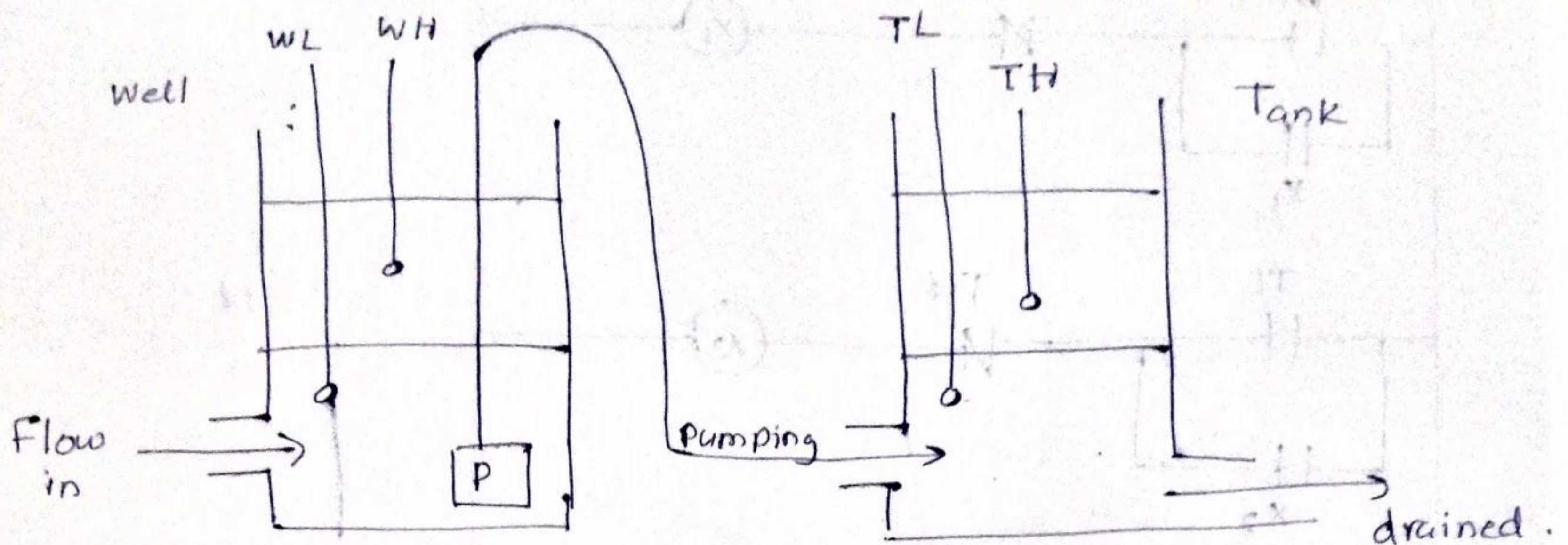


CO326 - Pump Automation

E/15/202



WL = Low water level of well

WH = High water level of well

TL = Low water level of tank

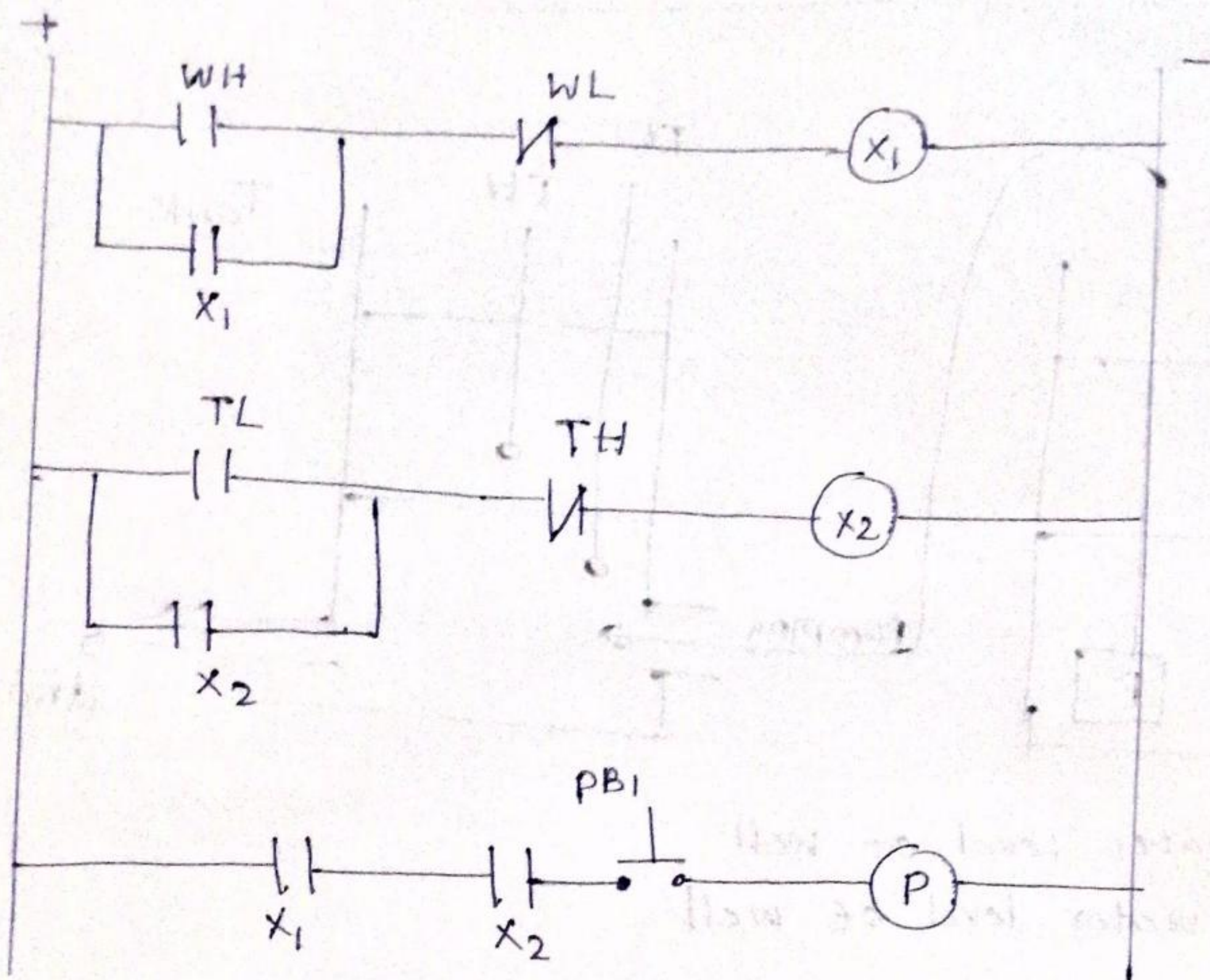
TH = High water level of tank

P = Pump.

Assumptions

- * Well is provided with a flow of water (either manually or naturally)
- * When well reach the required amount of water level well would be ready to pump.
- * When the water level of tank reach below the TL, well will pump the water to the tank automatically.
- * Tank will be drained for usage and when tank is filling with water (Pump is on) the valve which controls the drain will be closed. And when the pump is off that valve will be open.
- * Assumed that water is pumped as given in the above diagram.

Using Sensors



P = Pump motor

$WH \approx WL, TH, TL$ given above

PB_1 = Push button.

Using Floaters

