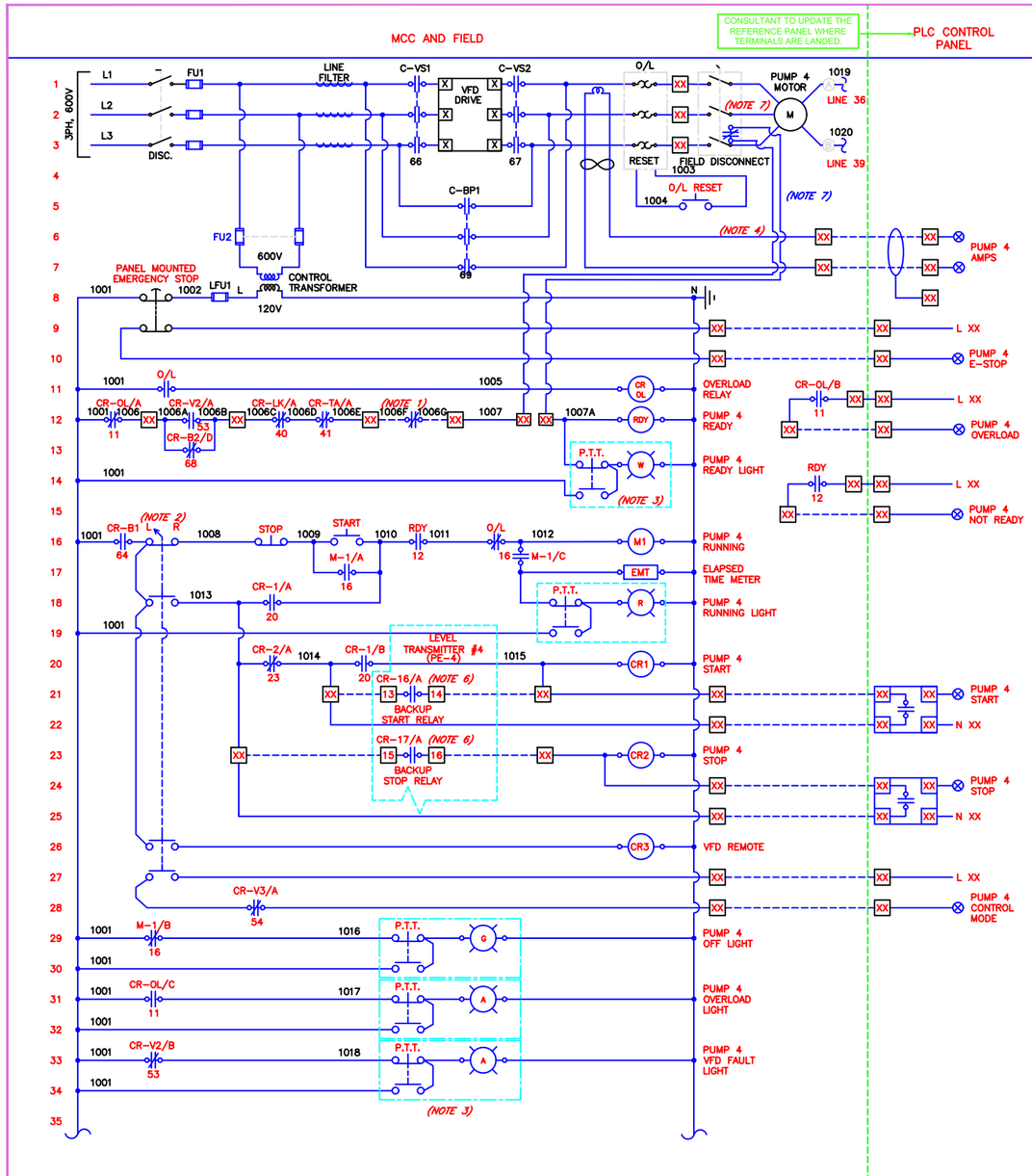

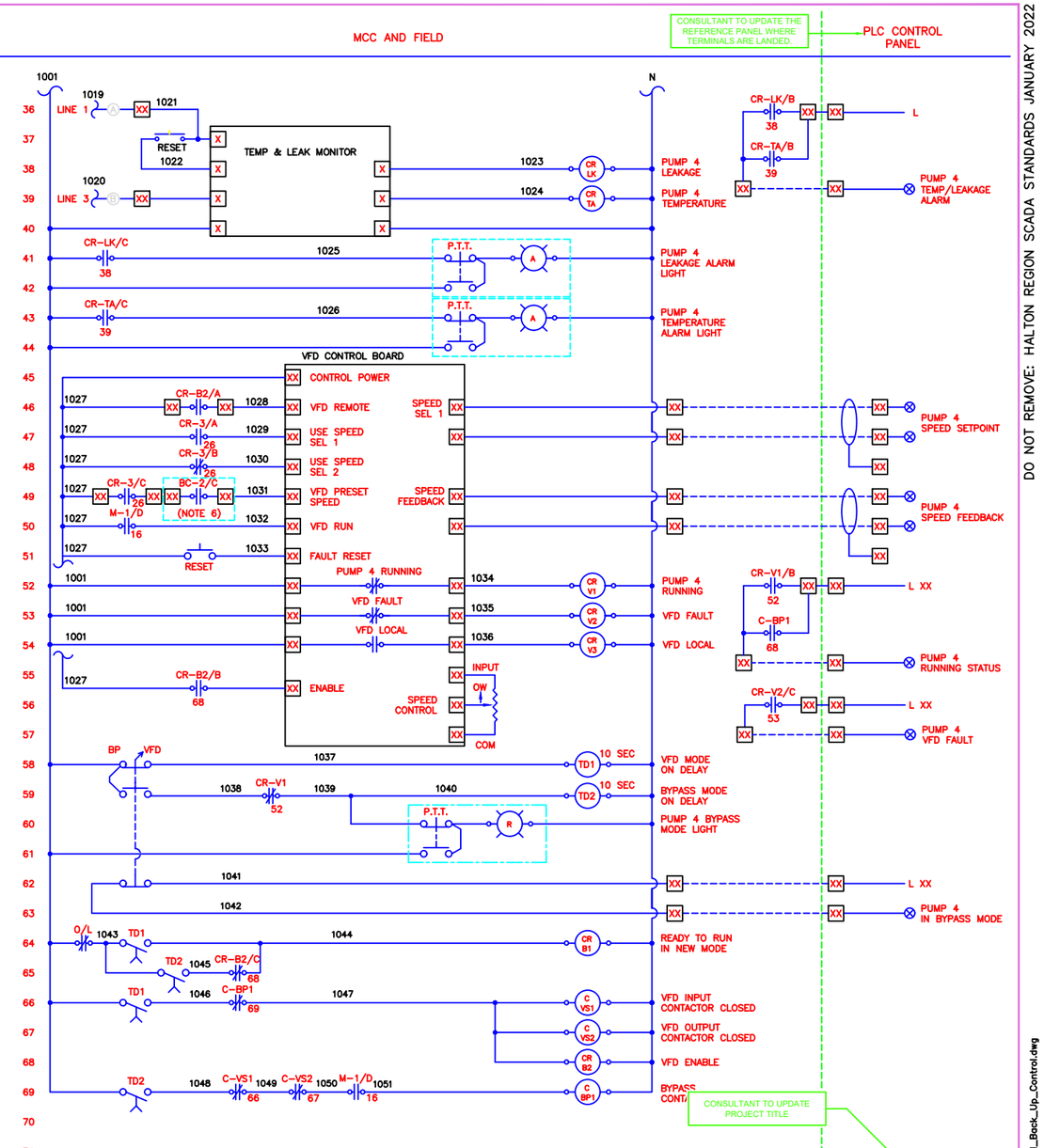

DO NOT REMOVE: HALTON REGION SCADA STANDARDS JANUARY 2022

NOTES:

1. ALL HARD WIRED INTERLOCK TO BE IN SERIES WITH READY RELAY. ALL RELAY CONTACTS TO BE WIRED SO THAT ANY ABNORMAL OR ALARM STATE WILL RESULT IN A DE-ENERGIZED READY RELAY.
2. L/R AND BYPASS SWITCH IS 2 POSITION MAKE BEFORE BREAK.
3. ALL LIGHTS ARE PUSH TO TEST.
4. ALL TB# AND WIRE LABELS ARE SHOWN ON LOOP DRAWINGS.
5. START AND STOP RELAYS TO BE UPDATED BASED UPON BACKUP CONTROL.
6. RELAY IS ON BACKUP LEVEL CONTROL SCHEMATIC.
7. FIELD DISCONNECT TO INCORPORATE CONTACT THAT OPENS PRIOR TO OPENING OF DISCONNECT POWER BLADE. DISCONNECT CONTACT TO BE INTERLOCKED TO RDY CIRCUIT.

THESE DRAWINGS ARE TEMPLATE DRAWINGS

1. REMOVE THIS NOTE AS PART OF THE DESIGN PROCESS.
2. MODIFY THIS DRAWING AS DIRECTED IN THE SCADA STANDARDS.
3. ADD ADDITIONAL DETAILS AS REQUIRED TO MEET THE PROJECT SPECIAL REQUIREMENTS.
4. WHEN THE CONSULTANT DEVIATES FROM THIS TEMPLATE THEY ARE REQUIRED TO NOTIFY HALTON REGION THROUGH THE USE OF THE STANDARDS DEVIATION MEMO.
5. FUSED TERMINAL BLOCKS AND CIRCUIT BREAKERS TO BE SIZED APPROPRIATELY.
6. SHOW ADDITIONAL RIO RACKS (UP TO A MAXIMUM OF 2) ONLY IF NECESSARY BASED ON DESIGN REQUIREMENTS.
7. THE CONSULTANT IS TO SPECIFY SIGNAL ISOLATORS WHERE REQUIRED. FOLLOW MANUFACTURERS' SPECIFICATIONS FOR GROUNDING OF SHIELDS.

NO	Date	By	REVISIONS	MANU CAD

Design	---	Ch'kd	---	Date
Drawn	---	Ch'kd	---	

Scale: N.T.S.

References

Field Notes

Stamp

Regional

ACCEPTED FOR CONSTRUCTION OF REGIONAL INFRASTRUCTURE

REVIEWED FOR COMPLIANCE WITH REGIONAL STANDARDS ONLY.

Director, Water & Wastewater Treatment

Manager, Plant Capital & Engineering

Halton REGION

TITLE

REGIONAL MUNICIPALITY OF HALTON
CONSULTANT PROJECT TITLE

PUMP 4 VFD WITH BYPASS AND BACK-UP CONTROL

Consultant File NO	Regional Drawing NO
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CONTRACT NO	Drawing NO E905
---	SHEET XX OF XX

E905_Pump_4_VFD_with_Bypass_and_Back_Up_Control.dwg