



- NOTES:
1. PLASTIC WIRE WRAPS SHALL BE USED TO BUNDLE WIRES EXCEPT WITHIN WIRING DUCTS, BUNDLES WILL BE SECURELY FASTENED TO STEEL STRUCTURE.
 2. WIRE TO BE STRANDED COPPER, INSULATED FOR NOT LESS THAN 600 VOLTS WITH A MOISTURE-RESISTANT AND FLAME RETARDANT COVERING.
 3. CONTROL CIRCUIT WIRING TO BE 16 AWG MINIMUM. ANALOG CIRCUIT WIRING TO BE 18 AWG TWISTED SHIELDED PAIRS.
 4. WIRE NUMBERS ARE TO AGREE WITH THE TERMINAL NUMBERS UNLESS OTHERWISE SHOWN. ALL PLC INPUT & OUTPUT ADDRESS NUMBERS TO BE USED AS WIRE NUMBERS.
 5. SPARE TERMINAL NUMBERS: BLANK
 6. BOTH ENDS OF ALL WIRES SHALL BE MARKED PER WIRING DIAGRAMS.
 7. WIRE COLORS

AC PHASE	BLACK
AC NEUTRAL.....	WHITE
GROUND.....	GREEN
AC CONTROL (PANEL POWERED).....	RED
AC CONTROL (FIELD POWERED).....	YELLOW
DC CONTROL.....	ORANGE
(+) 24VDC.....	BLUE
(-) 24VDC.....	BROWN
DC SIGNAL (ANALOG).....	2/C SHIELD
	(+) RED
	(-) BLACK
4. CELLULAR MODEM DEVICE SHALL BE CRADLE POINT PART #TB5-650C150M-NON. (PROVIDED BY SUSSEX COUNTY)
5. DETAILS I-10 THRU I-17 REPRESENT TYPICAL WIRING DIAGRAMS FOR A SINGLE PHASE PUMP STATION CONTROL PANEL. ANY DEVIATIONS NECESSARY DUE TO SPECIFIC PUMP STATION REQUIREMENTS MUST BE APPROVED BY SUSSEX COUNTY.
6. CONFIRM SERVICE AVAILABILITY WITH POWER COMPANY.
7. UPS SHALL BE PART SMT750C, AS SUPPLIED BY APC.



SUSSEX COUNTY ENGINEERING DEPARTMENT

APPROVED: *[Signature]*
SUSSEX COUNTY ENGINEER

PUMP CONTROL PANEL WIRING DIAGRAM
SINGLE PHASE SERVICE

DETAIL

I-10

LAST REVISED:

4/25/2023