

CHARLOTTE COUNTY UTILITIES DESIGN STANDARDS FOR REMOTE STATIONS

ISSUE DATE JULY 2023

LIFT STATION PCP AND RTU COMBO	
Sheet Number	Sheet Title
E1.0	COVER SHEET AND DRAWING INDEX
E1.1	ELECTRICAL SYMBOLS
E1.2	ENCLOSURE DETAILS
E1.3	BACKPANEL DETAIL AND BILL OF MATERIAL
E1.4	COMPONENT REFERENCE TABLE
E1.5	TERMINAL BLOCK AND EXTERNAL CONNECTION DETAIL
E1.6	CONTROL POWER WIRING
E1.7	CONTROL AND EMC-SEL DIAGRAM
E1.8	PANEL MOUNTING DETAIL

LIFT STATION PCP PANEL	
Sheet Number	Sheet Title
E3.0	COVER SHEET AND DRAWING INDEX
E3.1	ELECTRICAL SYMBOLS
E3.2	PCP ENCLOSURE DETAILS
E3.3	BACKPANEL DETAILS AND BILL OF MATERIAL
E3.4	TERMINAL BLOCK AND EXTERNAL CONNECTION PANEL
E3.5	COMPONENT REFERENCE TABLE
E3.6	CONTROL POWER WIRING
E3.7	CONTROL POWER WIRING (2)
E3.8	PANEL MOUNTING DETAIL

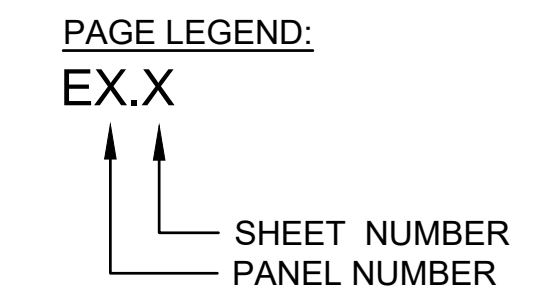
RECLAIMED WATER VALVE RTU PANEL	
Sheet Number	Sheet Title
E6.0	COVER SHEET AND DRAWING INDEX
E6.1	ELECTRICAL SYMBOLS
E6.2	ENCLOSURE DETAILS
E6.3	BACKPANEL DETAIL AND BILL OF MATERIAL
E6.4	TERMINAL BLOCK AND EXTERNAL CONNECTION DETAIL
E6.5	CONTROL POWER WIRING
E6.6	CONTROL AND EMC-SEL DIAGRAM

RECLAIMED BOOSTER STATION	
Sheet Number	Sheet Title
E2.0	COVER SHEET AND DRAWING INDEX
E2.1	ELECTRICAL SYMBOLS
E2.2	ENCLOSURE DETAILS
E2.3	BACKPANEL DETAIL AND BILL OF MATERIAL
E2.4	CONTROL POWER WIRING
E2.5	DIGITAL INPUTS CARDS 1 & 2
E2.6	DIGITAL INPUTS CARDS 3 & 4
E2.6	DIGITAL OUTPUTS CARDS 1 & 2
E2.7	DIGITAL OUTPUTS CARD 3
E2.8	ANALOG INPUTS CARDS 1 & 2
E2.9	ANALOG INPUTS CARDS 3 & 4
E2.10	ANALOG INPUTS CARDS 5 & 6
E2.11	ANALOG INPUTS CARD 7
E2.12	ANALOG OUTPUTS CARDS 1 & 2
E2.13	ANALOG OUTPUTS CARD 3

LIFT STATION RTU PANEL	
Sheet Number	Sheet Title
E4.0	COVER SHEET AND DRAWING INDEX
E4.1	ELECTRICAL SYMBOLS
E4.2	RTU ENCLOSURE DETAILS
E4.3	BACKPANEL DETAILS AND BILL OF MATERIAL
E4.4	TERMINAL BLOCK AND EXTERNAL CONNECTION PANEL
E4.5	CONTROL AND EMC-SEL DIAGRAM
E4.6	PANEL MOUNTING DETAIL

LIFT STATION PCP & RTU COMBO (SINGLE PHASE)	
Sheet Number	Sheet Title
E7.0	COVER SHEET AND DRAWING INDEX
E7.1	ELECTRICAL SYMBOLS
E7.2	ENCLOSURE DETAILS
E7.3	BACKPANEL DETAIL AND BILL OF MATERIAL
E7.4	COMPONENT REFERENCE TABLE
E7.5	TERMINAL BLOCK AND EXTERNAL CONNECTION DETAIL
E7.6	CONTROL POWER WIRING
E7.7	CONTROL AND EMC-SEL DIAGRAM
E7.8	PANEL MOUNTING DETAIL

POTABLE WATER BOOSTER STATION	
Sheet Number	Sheet Title
E5.0	COVER SHEET AND DRAWING INDEX
E5.1	ELECTRICAL SYMBOLS
E5.2	ENCLOSURE DETAILS
E5.3	BACKPANEL DETAIL AND BILL OF MATERIALS
E5.4	CONTROL POWER WIRING
E5.5	DIGITAL INPUTS CARDS 1 & 2
E5.6	DIGITAL INPUTS CARD 3
E5.7	DIGITAL OUTPUTS CARDS 1 & 2
E5.8	ANALOG INPUTS CARDS 1 & 2
E5.9	ANALOG INPUTS CARD 3
E5.10	ANALOG OUTPUTS CARDS 1 & 2



REV	DESCRIPTION	DATE
2	REVISED	AUG-2024
1	REVISED	OCT-2023
0	STANDARDS	MAR-2023

REVISIONS

CHARLOTTE COUNTY UTILITIES DEPARTMENT

NOTE: PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN CCU APPROVAL. FOR EACH INSTALLATION A SPECIFIC SET OF CONSTRUCTION DRAWINGS AND SPECIFICATIONS (IF DEEMED NECESSARY BY THE DESIGN ENGINEER) MUST BE PREPARED.



CHARLOTTE COUNTY UTILITIES - REMOTE
SITES CONTROL PANEL STANDARDS

GENERAL
MAIN INDEX

DATE: OCTOBER 2023
MCE PROJ. # 07169-0012
DRAWN: CJA
DESIGNED: CJA
CHECKED: EEB
PROJ. MGR.: EEB

SCALE
HORIZONTAL: G1.0
VERTICAL:
DRAWING NO.
1
REVISION

STATUS: