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**32384 CHARLES COUNTY POMONKEY PUMP STATION
IMPROVEMENTS**

SECONDARY CONTROL PANEL SUBMITTAL

SECTION 17441 - CONTROLS SYSTEM HARDWARE

January 26, 2026

ENGINEER: WRA

CONTRACTOR: JOHNSTON CONSTRUCTION

***MANUFACTURERS' REPRESENTATIVE FOR ENGINEERED INSTRUMENTATION,
PROCESS EQUIPMENT AND PUMPING SYSTEMS***

Branch Offices: RICHMOND, VA and LEOLA, PA

32384 CHARLES COUNTY POMONKEY PUMP STATION IMPROVEMENTS

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**32384 CHARLES COUNTY POMONKEY PUMP STATION
IMPROVEMENTS**

General Comments:

Parts Index:

| SHT | MANUFACTURER | MODEL | DESCRIPTION |
|-----|--------------------|------------------|---|
| 1 | SCE | SCE-24H2010SS6LP | Wall Mount Enclosure - NEMA 4X |
| 1 | SCE | SCE-24P20 | Enclosure Backpanel |
| 2 | Schneider Electric | 9001SKT38LWW31 | PTT Light, 120VAC LED, White |
| 2 | Schneider Electric | 9001SKT38LYA31 | PTT Light, 120VAC LED, Amber |
| 3 | Schneider Electric | 9001SKR1B | Pushbutton, Black |
| 3 | Schneider Electric | 9001KA3 | 1 NC Contact |
| 4 | Weidmuller | 7940102575 | Circuit Breaker, 120VAC, 5A |
| 4 | Weidmuller | 7940125379 | Circuit Breaker, 120VAC, 1A |
| 5 | Schneider Electric | RXM2AB2F7 | Miniature Relay, 120VAC, 8 Blade |
| 5 | Schneider Electric | RXZE2M114 | Miniature Relay Socket, 8 Blade, DIN |
| 6 | Schneider Electric | RXM3AB2F7 | Miniature Relay, 120VAC, 11 Blade |
| 6 | Schneider Electric | RXZE2S111M | Miniature Relay Socket, 11 Blade, DIN |
| 7 | Square D | 9050JCK16V20 | Timing Relay, 0-10 min, 120VAC, 8 Pin Octal, DPDT |
| 7 | Square D | 8501NR51 | Timing Relay Socket, 8 Pin, DIN |
| 8 | Diversified | ISO-120-AAE | Isolated Switch, 2 Channel |
| 9 | Eaton | D851LA | Alternating Relay |
| 9 | Eaton | D3PA2 | Alternating Relay Socket |
| 10 | SCE | SCE-TSH25 | Enclosure Heater |
| 10 | Finder | 7T.81.0.000.2403 | Enclosure Heater Thermostat, NC |
| 11 | Phoenix Contact | 3044076 | Terminal Block |
| 11 | Phoenix Contact | 3044092 | Grounding Terminal Block |
| 11 | Phoenix Contact | 3047028 | Terminal End Barrier |
| 11 | Phoenix Contact | 0800886 | Terminal Anchor |

32384 CHARLES COUNTY POMONKEY PUMP STATION IMPROVEMENTS

Data Sheet 1

| | |
|------------|---|
| Customer: | Johnston Construction |
| Reference: | Charles County Pomonkey Pump Station Improvements |
| Date: | 01/26/2026 |
| <u>Qty</u> | <u>Description</u> |
| 1 | <p>Mfg: SCE: Wall Mount Enclosure - NEMA 4X Model Number: SCE-24H2010SS6LP</p> <p>Tags/Service: ENC / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> • 0.075" stainless stell type 316/316L • Flange trough collar around all sides of door opening • Pour in place oil & water resistant gasket • Stainless stell continuous hinges • Hasp and staple for padlocking |
| 1 | <p>Mfg: SCE: Enclosure Backpanel Model Number: SCE-24P20</p> <p>Tags/Service: ENC / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> • 21"H x 17"W x .88"D • Powder coated white finish |

Data Sheet 2

| | |
|------------|---|
| Customer: | Johnston Construction |
| Reference: | Charles County Pomonkey Pump Station Improvements |
| Date: | 01/26/2026 |
| <u>Qty</u> | <u>Description</u> |
| 1 | <p>Mfg: Schneider Electric: PTT Light, 120VAC LED, White Model Number: 9001SKT38LWW31</p> <p>Tags/Service: LT4203 / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• Fresnel plastic lens type• Full voltage 120V light block supply• Plastic bezel material• White lens color• White LED• Round signaling unit head• Polycarbonate lens material |
| 2 | <p>Mfg: Schneider Electric: PTT Light, 120VAC LED, Amber Model Number: 9001SKT38LYA31</p> <p>Tags/Service: LT4307, LT4311 / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• Fresnel plastic lens type• Full voltage 120V light block supply• Plastic bezel material• Amber lens color• Yellow LED• Round signaling unit head |

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| | <ul style="list-style-type: none">• Polycarbonate lens material |
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Data Sheet 3

| | |
|------------|---|
| Customer: | Johnston Construction |
| Reference: | Charles County Pomonkey Pump Station Improvements |
| Date: | 01/26/2026 |
| <u>Qty</u> | <u>Description</u> |
| 1 | <p>Mfg: Schneider Electric: Pushbutton, Black Model Number: 9001SKR1B</p> <p>Tags/Service: PB4306 / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• Plastic bezel material• Octagonal signaling unit head• NEMA 4X degree of protection• Black operator color• Flush operator profile• Spring return operator• 30mm size |
| 1 | <p>Mfg: Schneider Electric: 1 NC Contact Model Number: 9001KA3</p> <p>Tags/Service: PB4306 / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• Positived opening contact operation• Screw clamp terminals• 7.08 lbf.in tightening torque• Silver alloy contact material• 10A conventional free air thermal current• 0.55A rated operational current |

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| | <ul style="list-style-type: none">• 60kA rated short-circuit making capacity• 6kA rated breaking capacity |
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Data Sheet 4

| | |
|------------|---|
| Customer: | Johnston Construction |
| Reference: | Charles County Pomonkey Pump Station Improvements |
| Date: | 01/26/2026 |
| <u>Qty</u> | <u>Description</u> |
| 1 | <p>Mfg: Weidmuller: Circuit Breaker, 120VAC, 5A Model Number: 7940102575</p> <p>Tags/Service: CB4202 / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• 120VAC operational voltage• Hydraulic magnetic type circuit breaker• 5A current rating• 10kA interrupting capacity• 100MΩ insulation resistance• 10000 mechanical operations operating life• -40...65° C operating temperature• 20in.-lb tightening torque |
| 1 | <p>Mfg: Weidmuller: Circuit Breaker, 120VAC, 1A Model Number: 7940125379</p> <p>Tags/Service: CB4202A / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• 120VAC operational voltage• Hydraulic magnetic type circuit breaker• 1A current rating• 10kA interrupting capacity• 100MΩ insulation resistance |

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| | <ul style="list-style-type: none">• 10000 mechanical operations operating life• −40...65° C operating temperature• 20in.-lb tightening torque |
|--|---|

Data Sheet 5

| | |
|------------|---|
| Customer: | Johnston Construction |
| Reference: | Charles County Pomonkey Pump Station Improvements |
| Date: | 01/26/2026 |
| <u>Qty</u> | <u>Description</u> |
| 9 | <p>Mfg: Schneider Electric: Miniature Relay, 120VAC, 8 Blade Model Number: RXM2AB2F7</p> <p>Tags/Service: CR4209, CR4210, CR4223, CR4225, CR4226, CR4306, CR4310, CR4316, CR4317 / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• 120VAC operational voltage• 2 C/O contact configuration• With status LED and lockable test button• 10A continuous output current• 12A conventional enclosed thermal current• 12A rated operational current• 100000 cycles resistive electrical durability• Silver nickel contacts material |
| 9 | <p>Mfg: Schneider Electric: Miniature Relay Socket, 8 Blade, DIN Model Number: RXZE2M114</p> <p>Tags/Service: CR4209, CR4210, CR4223, CR4225, CR4226, CR4306, CR4310, CR4316, CR4317 / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• 120VAC operational voltage• Compatible with RXM 2 C/O• 10A conventional free air thermal current |

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| | <ul style="list-style-type: none">• < 300 V UL rated operational voltage• Flat pin shape• < 1 Nm M3 tightening torque |
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Data Sheet 6

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|------------|---|
| Customer: | Johnston Construction |
| Reference: | Charles County Pomonkey Pump Station Improvements |
| Date: | 01/26/2026 |
| <u>Qty</u> | <u>Description</u> |
| 1 | <p>Mfg: Schneider Electric: Miniature Relay, 120VAC, 11 Blade Model Number: RXM3AB2F7</p> <p>Tags/Service: CR4301 / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• 120VAC operational voltage• 3 C/O contact configuration• With status LED and lockable test button• 6.7A continuous output current• 10A conventional enclosed thermal current• 10A rated operational current• 100000 cycles resistive electrical durability• Silver nickel contacts material |
| 1 | <p>Mfg: Schneider Electric: Miniature Relay Socket, 11 Blade, DIN Model Number: RXZE2S111M</p> <p>Tags/Service: CR4301 / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• 120VAC operational voltage• Compatible with RXM 3 C/O• 10A conventional free air thermal current• < 300 V UL rated operational voltage• Flat pin shape |

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| | <ul style="list-style-type: none">• < 1 Nm M3 tightening torque |
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Data Sheet 7

| Customer: | Johnston Construction |
|------------|---|
| Reference: | Charles County Pomonkey Pump Station Improvements |
| Date: | 01/26/2026 |
| <u>Qty</u> | <u>Description</u> |
| 1 | <p>Mfg: Square D: Timing Relay, 0-10 min, 120VAC, 8 Pin Octal, DPDT Model Number: 9050JCK16V20</p> <p>Tags/Service: TR4224 / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• 120VAC operational voltage• 0.1...10 min timing range• 2VA power consumption• 10A operational current rating• DPDT, 2 NO + 2 NC contaction composition• Silver nickel contact material |
| 1 | <p>Mfg: Square D: Timing Relay Socket, 8 Pin, DIN Model Number: 8501NR51</p> <p>Tags/Service: TR4224 / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• 120VAC operational voltage• 15A rated current• Single tiered screw clamp terminal electrical connection |

Data Sheet 8

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|------------|--|
| Customer: | Johnston Construction |
| Reference: | Charles County Pomonkey Pump Station Improvements |
| Date: | 01/26/2026 |
| <u>Qty</u> | <u>Description</u> |
| 2 | <p>Mfg: Diversified: Isolated Switch, 2 Channel Model Number: ISO-120-AAE</p> <p>Tags/Service: ISR4206, ISR4220 / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• 120VAC control voltage, 2 channel• 2.5VA power consumption• 20 million operations mechanical life expectancy• 50,000 operations at rated load electrical life expectancy• -4° to 131° F operational temperature rating• -40° to 185° F storage temperature rating• Style “E” Lexan® surface mounted |

Data Sheet 9

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|------------|--|
| Customer: | Johnston Construction |
| Reference: | Charles County Pomonkey Pump Station Improvements |
| Date: | 01/26/2026 |
| <u>Qty</u> | <u>Description</u> |
| 1 | <p>Mfg: Eaton: Alternating Relay Model Number: D851LA</p> <p>Tags/Service: AR4315 / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• SPDT contact• With ALTERNATE, LOAD A, LOAD B selector switch• 120VAC control voltage• Less than 3VA load• 10,000,000 operations mechanical life expectancy• 100,000 operations electrical life• -20° to 150° F operating temperature range• 2 indicator LEDs for LOAD A and LOAD B |
| 1 | <p>Mfg: Eaton: Alternating Relay Socket Model Number: D3PA2</p> <p>Tags/Service: AR4315 / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• General-purpose relay socket• D3 series socket• DIN rail mounted socket• 10/15A nominal rated operational current• Screw clamping wiring connection |

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Data Sheet 10

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|------------|---|
| Customer: | Johnston Construction |
| Reference: | Charles County Pomonkey Pump Station Improvements |
| Date: | 01/26/2026 |
| <u>Qty</u> | <u>Description</u> |
| 1 | <p>Mfg: SCE: Enclosure Heater Model Number: SCE-TSH25</p> <p>Tags/Service: HTR4202 / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• DIN rail clip for 35mm DIN rail• Designed for protection from low temperatures, condensation, and corrosion• Touch safe with 2 screw terminal for standard AWG 14 wire• 120VAC operational voltage |
| 1 | <p>Mfg: Finder: Enclosure Heater Thermostat, NC Model Number: 7T.81.0.000.2403</p> <p>Tags/Service: THERMOSTAT / Secondary Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• -45...80° C ambient temperature range• 1 NC contact configuration• 10A rated current for contacts• 0...60° C temperature control range |

Data Sheet 11

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|------------|---|
| Customer: | Johnston Construction |
| Reference: | Charles County Pomonkey Pump Station Improvements |
| Date: | 01/26/2026 |
| <u>Qty</u> | <u>Description</u> |
| A/R | Mfg: Phoenix Contact: Terminal Block Model Number: 3044076 |
| A/R | Mfg: Phoenix Contact: Grounding Terminal Block Model Number: 3044092 |
| A/R | Mfg: Phoenix Contact: Terminal End Barrier Model Number: 3047028 |
| A/R | Mfg: Phoenix Contact: Terminal Anchor Model Number: 0800886 Tags / Service: TB-AC, TB-ISB / Secondary Control Panel Specifications: <ul style="list-style-type: none">• Feed through and grounding terminals• Screw clamps• End plates and anchors• DIN rail mount |

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Drawings Index:

| Drawing Number | Drawing Description |
|-----------------------|----------------------------|
| D32384-40 | ENCLOSURE EXT. LAYOUT |
| D32384-41 | ENCLOSURE INT. LAYOUT |
| D32384-42 | 120VAC WIRING DIAGRAM |
| D32384-43 | 120VAC WIRING DIAGRAM |

**32384 CHARLES COUNTY POMONKEY PUMP STATION
IMPROVEMENTS**

Drawings: