

ADDENDUM NO 4
2023-04
Ellisville to Ft. White Water Main Extension

The following changes to Bid Documents

1. Replacement Specifications Cover Sheet
2. Updated Sheet Index
3. Replacement Specification Drawing Sheet 2
4. Additional FAQs
5. Replacement Bid Form will appear in Addendum No. 5 – (to be issued later)

END OF ADDENDUM NO. 4
(Please acknowledge receipt of Addendums)

Issue Date: 7/26/2023



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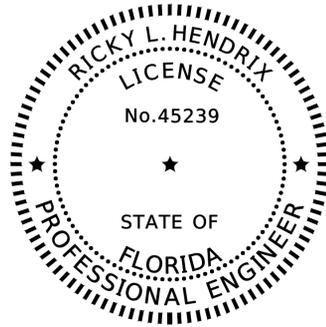
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ELLISVILLE WATER MAIN EXTENSION COLUMBIA COUNTY, FLORIDA

PROJECT MANUAL (VOLUME 2 OF 2)



Ricky L. Hendrix, PE
FL Registration No. 45239
Date: _____



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 CERTIFICATE OF AUTHORIZATION: 29011
 RICKY L. HENDRIX, P.E. NO. 45239

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

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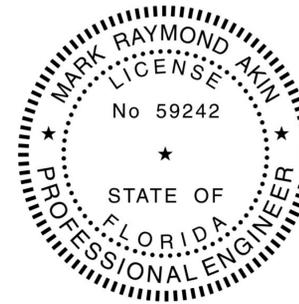
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 EOR:
RICKY L. HENDRIX
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SIGNATURE SHEET
ELLISVILLE WATER MAIN EXTENSION
COLUMBIA COUNTY, FLORIDA

SHEET NO.
2

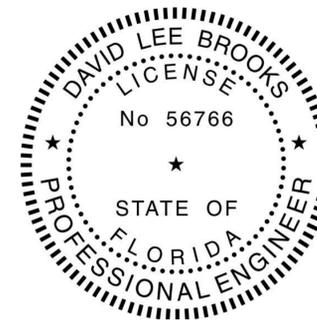


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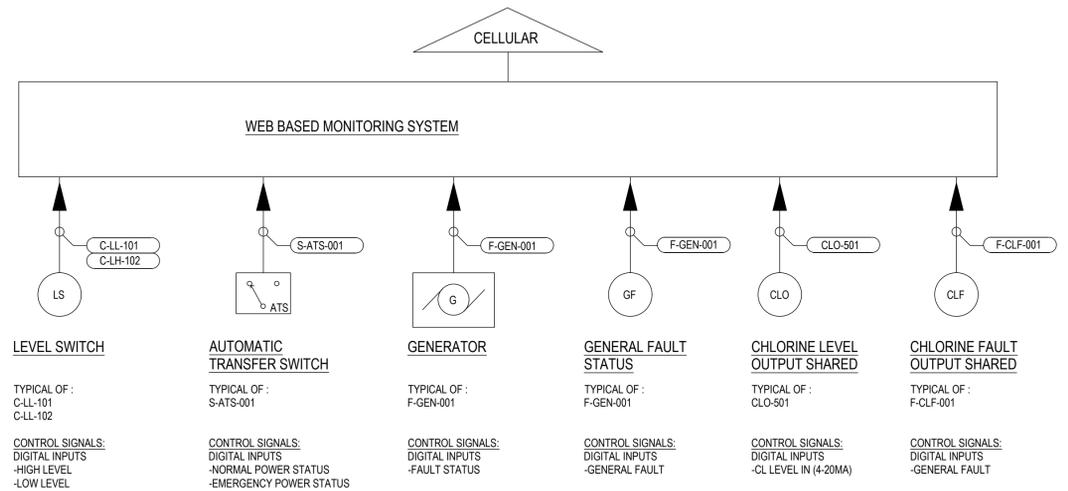
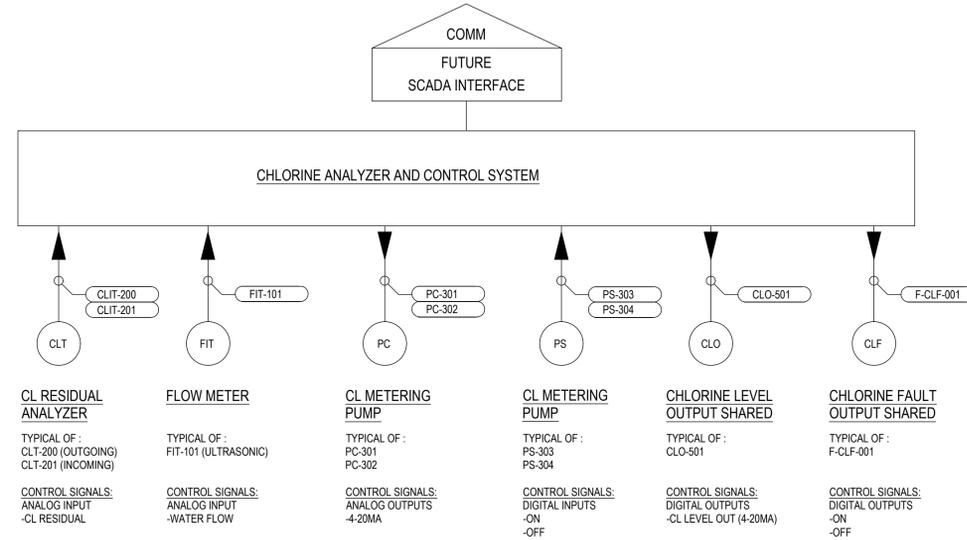
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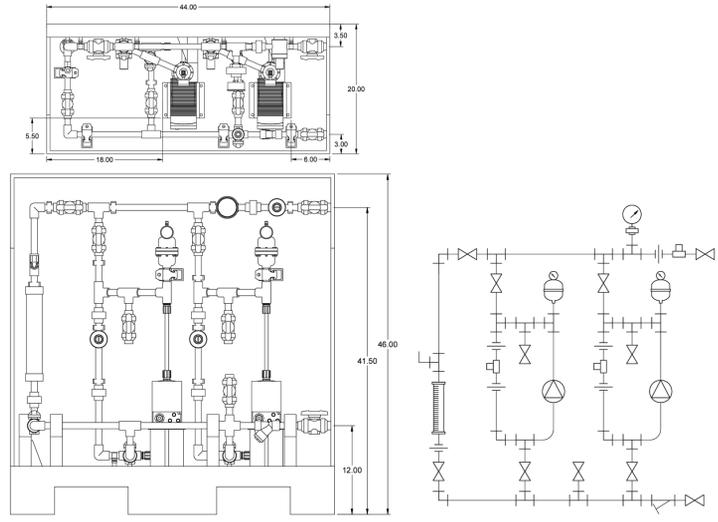
LEGENDS AND DIAGRAMS	91
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LEGEND

- DI DIGITAL INPUT
- DO DIGITAL OUTPUT
- AI ANALOG INPUT
- AO ANALOG OUTPUT
- COM# BAS COMMUNICATION LINK, # INDICATES AS FOLLOWS:
B (BACNET)
M (MODBUS)
- CL CHLORINE SAMPLE PORT
- FM FLOW METER
- INT INTRUSION ALARM
- HIS HORN STROBE (OUTDOOR RATED)
SIMILAR TO EDWARDS SIGNALING MODEL 868STR-RS
- FIT FLOW METER
- XXX
- PS PUMP STATUS
- PC PUMP CONTROL
- CLT FREE CHLORINE TRANSMITTER
- XXX
- F-GEN GENERAL FAULT GENERATOR
- XXX
- S-ATS AUTOMATIC TRANSFER SWITCH STATUS
TRANSFER TO EMERGENCY POWER SOURCE
- XXX
- C-HL CHLORINE STORAGE HIGH LIMIT
- XXX
- C-LL CHLORINE STORAGE LOW LIMIT
- XXX
- CLF CHLORINE FAULT
- XXX
- FILTER BANK
- F FAN
- P PUMP
- CHECK VALVE
- TWO WAY CONTROL VALVE
- AUTOMATIC TRANSFER SWITCH
- ATS
- G GENERATOR



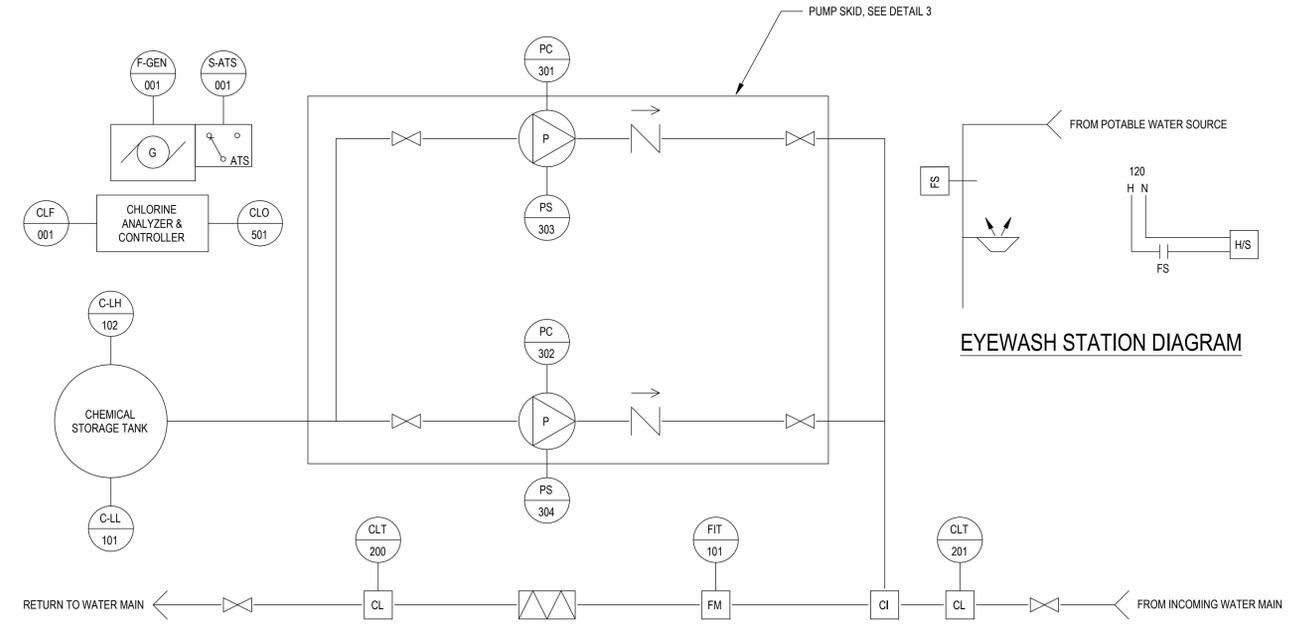
1 CONTROL BLOCK DIAGRAM
NOT TO SCALE



GENERAL NOTES:

1. ALL PIPING AND FITTINGS SHALL BE 1/2" SCH. 80 CPVC SOCKET WELD WITH VITON SEALS UNLESS OTHERWISE REQUIRED BY COMPONENTS.
2. ALL VALVES TO BE VENTED.
3. ALL DIMENSIONS ARE IN INCHES AND ARE SHOWN FOR REFERENCE ONLY.

3 PUMP SKID AND PIPING DIAGRAM
NOT TO SCALE



2 CHLORINE ANALYZER AND CONTROL SYSTEM DIAGRAM
NOT TO SCALE

EXHAUST FAN SCHEDULE		UNIT HEATER	
MARK	EF-1	MARK	UH-1
MANUFACTURER	GREENHECK	MANUFACTURER	BRASCH
MODEL	AER-20-VG	MODEL	240 SERIES
TYPE	SIDEWALL DIRECT	TYPE	ELECTRIC WALL MOUNT
DRIVE	STARTER	DRIVE	STARTER
AIRFLOW (CFM)	250	AIRFLOW (CFM)	650
TSP (IN WG)	0.28	KW RATING	6.7
COATING TYPE	INDUSTRIAL GREY EPOXY	COATING COLOR	CAMEL
MOTOR SECTION		MOTOR SECTION	
VOLTS-PHASE	115/1	VOLTS-PHASE	240/1
BHP/HP	1/4	BHP/HP	1/4
DRIVE TYPE	DIRECT	DRIVE TYPE	DIRECT
MOTOR SPEED (RPM)	1350	MOTOR SPEED (RPM)	1750
SCHEDULE NOTES	(1)(2)(3)	SCHEDULE NOTES	(1)(2)(3)(4)(5)
SCHEDULE NOTES (1) PROVIDE BACKDRAFT DAMPER, GRAVITY-OPERATED (2) PROVIDE THERMAL OVERLOAD (3) PROVIDE WALL HOUSING, INLET GUARD, AND GALVANIZED 45-DEG WEATHERHOOD WITH INSECT SCREEN		SCHEDULE NOTES (1) 2-STAGE CONTROL (2) BUILT IN THERMOSTAT (3) 24VAC TRANSFORMER AND DISCONNECTING MAGNETIC CONTACTOR (4) CABINET - HEAVY GAUGE STEEL WITH BAKED ON POLYESTER POWDER COAT (5) DIRECTIONAL LOUVERS	

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1	PER ADDENDUM 4

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LEGENDS AND DIAGRAMS
ELLISVILLE WATER MAIN EXTENSION
COLUMBIA COUNTY, FLORIDA

SHEET NO.
91

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

July 26, 2023

Columbia County - Ellisville To Ft White Water Main Extension

Columbia Co Bid No. 2023-04

ADDENDUM NO 4

REPLACEMENT SPECIFICATION SHEETS

1. In Project Manual Vol 2, replace Cover Sheet with the attached Cover Sheet. Note the updated EOR signature block.

REPLACEMENT DRAWING SHEETS

1. In Project Drawings, replace Sheet 2 with the attached Sheet 2. Note the updated EOR signature block.
2. In Project Drawings, replace Sheet 91 with the attached Sheet 91. Note the addition of an Electric Fan schedule and a Unit Heater schedule.

RESPONSES TO BIDDERS' QUESTIONS

Q1. Does the silt fence need to be factored in for the entire project? I saw the notation regarding the double row near wetlands areas, but i didn't see anything noting the rest of the pipe run.

A1. Silt fence shall be installed along the north and west sides of the Chlorine Booster Station site as well as along the CR-18 pipe alignment (approximately from Station 401+00 to 733+00), except for HDD areas. Silt fence along CR-18 shall typically be installed along the south side of the trench and upstream of existing swale flowlines or nearby wetlands. Additional silt fence shall be installed as needed across existing swales at downstream side drains. No silt fencing is anticipated along other roads unless otherwise directed by Owner's Representative.

Q2. Is a spec book specific to the Concrete Precast building available?

A2. The specifications for the precast modular building are as provided in the Project Drawings, Sheets 76 and 77. See Addendum #3 for contact information for the "basis of design" manufacturer.

Q3. I wanted to clarify the door selection for the precast building; the plans show a roll-up door, but the notes spec a set of double swinging doors. I am clarifying that bidding it with double doors is correct.

A3. In Project Drawings, Sheet 77, delete General Note #3 regarding swinging doors. The door shall be a commercial steel roll-up door as shown on Sheets 75 and 76, with hot-dipped galvanized steel components. The curtain shall have a baked-on, corrosion-resistant top coat suitable for mild chlorine gas exposure.

Q4. Is a spec book regarding the Wall mounted HVAC unit, intake louvers, and exhaust fan with louvers available?

- A4. An exhaust fan schedule and a unit heater schedule have been added to the attached replacement Drawing Sheet 91.**
- Q5. Is a construction cost estimate available?*
- A5. The final construction cost estimate is not available for publishment during the bid period.**
- Q6. Do you have any soils reports? They were supposed to be in the files, but I haven't seen them yet.*
- A6. A soils report is not available for this Project. The Contractor shall coordinate with the precast building manufacturer to provide a prepared pad (with compacted gravel), for the required bearing capacity.**
- Q7. We see on sheet 15 for the subject project that there is a note on the drawings that a 5,000-gallon hydro tank to be replaced by Columbia County is called out. Do you know if this has been completed yet?*
- A7. This tank was recently replaced by the County and is not otherwise a part of this project.**
- Q8. On the referenced project, since the plans call for all fused HDPE pipe, would the County allow the contractor to install the pipeline by HDD means?*
- A8. Except where HDD installation is shown, the piping shall be installed by open trenching, as indicated in the project drawings and specifications. Additional lengths of HDD installation will be considered on a case-by-case basis during project construction.**
- Q9. Is there a list of approved products for tracer wire or is just a generic spec?*
- A9. In Project Manual Vol 2, Spec 330597 Part 87, add the following paragraph: "2.4 Locate wiring shall include 45-mil (minimum) insulation rated to 600 volts. Insulation shall be HDPE or PVC material; THHN is not acceptable." There is no list of approved products for tracer wire.**

END OF QUESTIONS