



April 30, 2024

RESPONSE LETTER NO. 1 TO REQUEST FOR INFORMATION

Project Title: Stormwater Pump Stations and Control Structures Improvements

Project No.: 20230219

E-mail from Mr. Edgar Lugo, Solares Electrical Services, Inc.; dated Monday, April 15, 2024, 2:08 P.M. (attached)

QUESTION: 1) Are there any drawings that would show the elevations of the station? Perhaps some civil, structural and/or mechanical drawings?

RESPONSE: 1) The design plans show elevation information of all the stations.

QUESTION: 2) The notes on the drawings refer to "specifications". We'll need to know what grade of stainless steel (304 or 316), as well as what type of mounting?

RESPONSE: 2) Both Sheet# E-102 (Coded Note #2) on the design plans for Rucks Park and for the SW 2nd street Pump Stations, and the Technical Specification number 26 00 00 specify enclosure to be stainless steel 316. The sensors mounting must be selected and installed in accordance with the manufacturer specifications, site conditions, and building code and approved by the Engineer.

QUESTION 3) We would, at some point in time, need to know where existing bold holes are located, in order that new anchor bolts wouldn't conflict with anything existing.

RESPONSE: 3) The owner will provide as built records, if available, to determine all existing conditions including any specific existing bolt pattern. Alternatively, the future contractor will need to field verify existing conditions during their initial site visits.

E-mail from Mr. Edgar Lugo, Solares Electrical Services, Inc.; dated Thursday, April 18, 2024, 8:32 A.M. (attached)

QUESTION: 1) The level transmitters and backup Pump-Controller hardware indicated in drawing E-105 are not applicable to Canal -Gate Control. Alternatively, the specified Senix ToughSonic-30 level transmitter will work seamlessly in both head and tail measurements for the needed Canal Level Monitoring. These ToughSonic-30 sensors currently work successfully in similar canal-level monitoring installations



within the MD-DTPW systems. The Backup Pump-Controller is not needed. Please advise.?

RESPONSE: 1) Please use attached detail provided by Emerson that applies to Canal Level Monitoring for both Ludlam Glades and Sunswept Isles Control Structures.

QUESTION: 2) Please provide thorough details of function and/or intent for the RTU I/O signals highlighted below (drawing E-103). See attachment for additional information? (Se attached)

RESPONSE: 2) Proposed monitoring functions parameters on drawing E-103 diagram have to be field determined and confirmed by the Engineer prior to operation. Those shown as Control Gate are spare for any additional function requested by owner if needed. Canal Level Elevation High should be programmed to notify when canal level reach specified high level at which time the gate shall be opened and vice versa.

END OF REQUEST FOR INFORMATION No. 1

Sincerely,

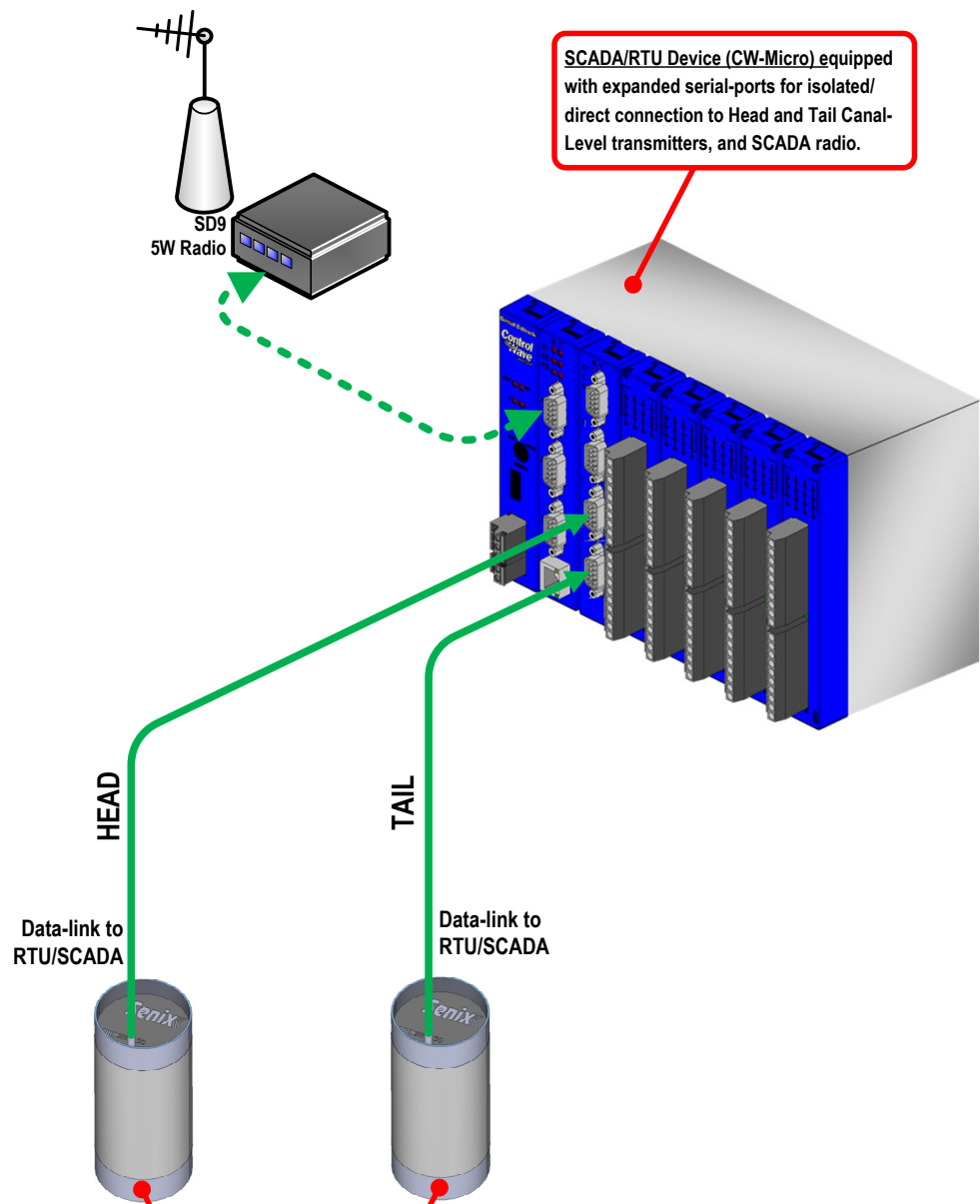
Alfredo E. Muñoz, P.E.
Chief, Capital Improvements Division
Department of Transportation and Public Works (DTPW)

AM:er

c:

Elva Reyes, DTPW
Clerk of the Board
Project File

Liza Herrera, P.E., DTPW
George Sibilia, P.E., DTPW
Daryl Hildoer, P.E., DTPW



SCADA-Control Non-Contact WetWell Level (Senix TF30):

- Ultrasonic non-contact technology to avoid interference with Local-Control Radar WetWell LVL instrument.
- Backup measurement already proven in multiple MD-PWD installations.
- All-in-one NEMA-4X (316SS) housing for sensor & transmitter, with potted cable connections.
- Simple ModBus RS485 for direct connection to SCADA; no 4~20mA needed.
- Capable of 24 or 12 VDC power for either regular utility-power, or solar low-power applications.
- Simple 2" NPT mount installation.
- Free 'SenixVIEW' graphical configuration software (MS-Windows).
- Stilling-well not needed.

SCADA (Ethernet)	● - - - - - ●
SCADA (RS232)	● - - - - - ●
ModBus (RS485)	● - - - - - ●
Analog Signal (4~20mA)	● - - - - - ●
Power (120VAC)	● - - - - - ●
Relay Outputs (120VAC)	● - - - - - ●

	SCADA Integration of Canal-Gate				
	AUTHOR Rafael N. Jacomino	SIZE B	FSCM NO 	DWG Name Overview of Gate-Level & SCADA integration including non-contact Canal-Level instrumentation.	REV 3
	ISSUED 4/24/2024	SCALE 	N/A	SHEET 4 OF 5	

From: [Edgar Lugo](#)
To: [Reyes, Elva \(DTPW\)](#)
Cc: [Clerk of the Board \(COC\)](#)
Subject: RFI - Stormwater Pump Stations and Control Structures Improvements
Date: Monday, April 15, 2024 2:08:17 PM
Attachments: [image001.png](#)

EMAIL RECEIVED FROM EXTERNAL
SOURCE

Good afternoon,

We are some questions about Bid:

Stormwater Pump Stations and Control Structures Improvements

1. Are there any drawings that would show the elevations of the station? Perhaps some civil, structural and/or mechanical drawings?
2. The notes on the drawings refer to "specifications". We'll need to know what grade of stainless steel (304 or 316), as well as what type of mounting.
3. we would, at some point in time, need to know where existing bold holes are located, in order that new anchor bolts wouldn't conflict with anything existing.

Best Regards

Edgar Lugo

Cost Estimator at Solares Electrical Services Inc.

phone: 305-717.6184

e-mail: elugo@solareselectrical.com



From: [Edgar Lugo](#)
To: [Reyes, Elva \(DTPW\)](#)
Cc: [Clerk of the Board \(COC\)](#)
Subject: RFI Solares Electrical
Date: Thursday, April 18, 2024 8:33:08 AM
Attachments: [image001.png](#)
[Ludlam CNL-LVL Control RFI-01.pdf](#)

EMAIL RECEIVED FROM EXTERNAL
SOURCE

Good morning,

Attached you'll find an important RFI for the Ludlam Glades upgrades.

Question #1: The level transmitters and backup *Pump-Controller* hardware indicated in drawing E-105 are not applicable to *Canal -Gate Control*. Alternatively, the specified Senix ToughSonic-30 level transmitter will work seamlessly in both head and tail measurements for the needed *Canal Level Monitoring*. These ToughSonic-30 sensors currently work successfully in similar canal-level monitoring installations within the MD-DTPW systems. The Backup Pump-Controller is not needed.
Please advise.

Question #2: Please provide thorough details of function and/or intent for the RTU I/O signals highlighted below (drawing E-103). See attachment for additional information.

Best Regards

Edgar Lugo
Cost Estimator at Solares Electrical Services Inc.
phone: 305-717.6184
e-mail: elugo@solareselectrical.com



Request For Information # 01



Reference: MD-DTPW Project 20200045 Ludlam Glades Water Control Structure.

Date: 17 April 2024

To: Edgar Lugo
Cost Estimator at Solares Electrical Services Inc.
10520 NW 26th St
Doral, FL 33172
Office: 305-717.6184

From: Rafael Jacomino
Project Engineer
Emerson Power & Water Solutions
13200 SW 128th ST Suite A-4
Miami, FL 33186
Office: 305- 278 7994

Ludlam Canal-Gate Position Control

Question #1: The level transmitters and backup *Pump-Controller* hardware indicated in drawing E-105 are not applicable to *Canal -Gate Control*. Alternatively, the specified Senix ToughSonic-30 level transmitter will work seamlessly in both head and tail measurements for the needed *Canal Level Monitoring*. These ToughSonic-30 sensors currently work successfully in similar canal-level monitoring installations within the MD-DTPW systems. The Backup Pump-Controller is not needed. Please advise.

Question #2: Please provide thorough details of function and/or intent for the RTU I/O signals highlighted below (drawing E-103).

