

August 2, 2024

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RE: Charlotte County Utilities
East Port Water Reclamation Facility 9 MGD Expansion
SRF Loan No.: WW0802E1
Charlotte County Project No.: 18-0006
[REDACTED]

Dear Mr. Alfsen:

The purpose of this correspondence is to provide a formal request for an Exemption waiver from the American Iron and Steel requirement for the Knife Gate Valve. Here is the following background information:

Background:

The Technical specification requires a Cast Stainless Steel Knife Gate Valve, - it is the most durable and reliable for the application at the Dewatering Building dewatered sludge cake conveyance piping to meet the required pressure and performance requirement.

The Contractor [REDACTED] and the supplier [REDACTED] contacted several manufacturers to confirm specification details. Enclosed with this letter is a letter from the Contractor stating the results of their inquiries. Additionally enclosed, is the correspondence with the manufacturers including their responses indicating the unavailability of this valve meeting the AIS requirements, the Gate Valve Specification, the Submittal 127 Knife Gate Valve, and other supporting documents as listed at the end of this letter.

Therefore, we are requesting an exemption for the Knife Gate Valve AIS requirement.

If you have any questions/concerns, please do not hesitate to contact me at [REDACTED]
[REDACTED] or, [REDACTED] (Construction Administrator) at [REDACTED].

[REDACTED]

Thomas Montgomery

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Sincerely,



ATTACHMENTS:

- Attachment 1 – Stainless-Steel Gate Valve Specifications
- Attachment 2 – Sub 127 (15110-009) Knife Gate Valve
- Attachment 3 – Email Response from [REDACTED] dated 07/10/2024
- Attachment 4 - Letter from the Contractor – [REDACTED] dated 07/30/2024
- Attachment 5 – Email response from [REDACTED] dated 07/03/2024
- Attachment 6 – [REDACTED] Letter – Supplier Statement
- Attachment 7 – Project Schedule

XC: Hendrik Dolleman, Charlotte County
Bruce Bullert, Charlotte County



ATTACHMENT 1

C. Type 695—Knife Gate Valves, 2 Inches through 24 Inches

1. Knife gate valves shall be of the solid one-piece cast body design high pressure style. Minimum working pressure shall be 250 psi. Provide bevel gear actuators for valves 14 inches and larger. Materials of construction shall be as follows:

Component	Material	Specification
Body	Ductile Iron	ASTM A395, Grade 65-45-15 with Urethane Liner
Yoke, superstructure, fasteners, and packing gland	Stainless-steel	AISI Type 304 or 316 stainless-steel
Gate	Stainless-steel	ASTM A240/A240M, Type 316
Stem	Stainless-steel	ASTM A582/A582M, Grade S20300
Packing	PTFE Square Braided or NBR X-Cord with PTFE Square Braided	--

2. Valves shall be bonnetless, urethane lined, bi-directional, wafer type with through bolting flange (standard flanged body), for installation between two adjacent flanges. Flange holes in the body shall be Class 125, ASME B16.1. Urethane liner shall be cast, bonded, and seamless. All wetted surfaces of the body shall be urethane lined including the entire port, chest cavity, and packing box. Valve leakage shall be in accordance with MSS SP-81. Valves shall have a resilient seat (neoprene or nitrile) for drip-tight shutoff. Valves shall be manufactured by [REDACTED] or Engineer-approved equal.

2.14 GLOBE AND ANGLE VALVES (TYPE 700 SERIES)

A. Type 710—Bronze Angle Hose Valves, 1 Inch through 3 Inches

1. Angle-type hose valves 1 inch through 3 inches shall be brass or bronze (ASTM B62 or ASTM B584, Alloy C83600) body with rising or non-rising stem, composition disc, and bronze or malleable iron handwheel. The stem shall be bronze, ASTM B62, ASTM B584 (Alloy C83600), or ASTM B584 (Alloy C87600). Valves shall have a cold-water service pressure rating of at least 150 psi. Provide cap and chain with valve.

ATTACHMENT 7

III. CONTRACT TIME SUMMARY

A.	Notice to Proceed Date:	01/22/2024
B.	Substantial Completion Date (870-days):	06/10/2026
C.	Final Completion Date (900-days):	07/10/2026
D.	Number of Days Added/Deleted (via change order):	00
E.	Revised Substantial Completion Date (XX days):	
F.	Revised Final Completion Date (XX days):	
G.	Calendar Days Used:	191
H.	Contract Time Remaining:	679
I.	Percent Complete:	21%

Project: Charlotte County Utilities East Port Water Reclamation Facility (WRF) 9 MGD Expansion

Key Activities and Milestones

Notice to Proceed: January 22, 2024

Bond/Insurance: January 22, 2024 - January 24, 2024

Contractor Mobilization: January 25, 2024 - February 5, 2024

Site Preparation:

- Request Existing Utilities Locates: February 6, 2024 - February 9, 2024
- Locate, Excavate, and Remove Abandoned Pipes: February 12, 2024 - March 4, 2024
- Bench Down/Excavate New Clarifiers: March 5, 2024 - March 18, 2024

Deep Well Pump Installation:

- Install Deep Well Pump Casings: March 19, 2024 - April 15, 2024
- Install Deep Well Pumps, Piping, and Power: April 16, 2024 - April 29, 2024
- Install Individual Pump Control Panels: April 30, 2024 - May 13, 2024
- Install Deep Well Pump Discharge Pipe: May 14, 2024 - May 28, 2024
- Connect Deep Well Pump to Dewatering Discharge Pipe: May 29, 2024 - June 7, 2024

Clarifier Construction:

- Layout and Excavate Clarifier Footprints: July 31, 2024 - September 25, 2024
- FRP Clarifier Center Pier and Walls Construction: September 26, 2024 - October 24, 2024
- Install Various Pipelines and Connections: October 25, 2024 - January 10, 2025

Pump Station Installation:

- Layout, Excavate, and Install Under Slab Pipes: October 13, 2025 - December 30, 2025
- Fine Grade and Compact Pump Station Slab: December 16, 2025 - December 22, 2025
- Install Centrifugal Pumps and Associated Pipelines: January 13, 2026 - February 13, 2026

Electrical and Control Systems:

- Install Power Wiring, Disconnects, and Conduits: March 9, 2026 - April 3, 2026
- Terminate Power and Control Wiring: March 30, 2026 - April 3, 2026

Commissioning and Testing:

- Perform Operational Equipment Tests: April 6, 2026 - April 10, 2026
- Approve New Clarifier Splitter Box: April 13, 2026 - April 17, 2026
- Startup New Clarifiers and Pump Station: May 4, 2026 - May 12, 2026

Project Completion:

- Substantial Completion: June 9, 2026
- Project Closeout and Final Completion: June 10, 2026 - July 9, 2026

Treatment Units Construction and Commissioning

Septage Receiving Station:

- Layout and Install: February 29, 2024 - April 28, 2024
- Dewatering System Installation: March 29, 2024 - April 18, 2024
- Backfill and Compact: October 4, 2024 - October 10, 2024
- Asphalt and Road Work: February 5, 2026 - March 3, 2026

Equalization Tank:

- Commissioning Complete: October 8, 2025 - May 28, 2026

Aerobic Digesters:

- Commissioning Complete: December 18, 2025 - May 28, 2026

Oxidation Ditch No.3:

- Commissioning Complete: January 9, 2026 - May 28, 2026

Chemical Storage & Feed Building:

- Commissioning Complete: January 21, 2026 - May 28, 2026

Chlorine Contact Chambers No.3/4:

- Commissioning Complete: March 13, 2026 - May 28, 2026

Dewatering Facility:

- Commissioning Complete: March 20, 2026 - May 28, 2026

AWT Anoxic Tank / AWT Diversion Box:

- Commissioning Complete: April 7, 2026 - May 28, 2026

Headworks:

- Commissioning Complete: April 14, 2026 - May 28, 2026

Clarifiers No.3/4:

- Commissioning Complete: May 12, 2026 - May 28, 2026

Filters No.3/4:

- Commissioning Complete: May 20, 2026 - May 28, 2026

Pre-Startup/Owner Training:

- Phase II: May 21, 2026 - May 25, 2026

Facility Startup:

- Phase III: May 26, 2026 - June 1, 2026

Summary Timeline (2024-2026)

- **2024:** Project initiation, mobilization, site preparation, deep well pump installation
- **2025:** Clarifier construction, pump station layout and installation, initial electrical works
- **2026:** Completion of electrical and control systems, commissioning, testing, substantial completion, and project closeout