



## **Addendum No. 1**

September 12, 2024

**Construction Turkey Creek PS Upgrade (Valve Procurement) CIP# 2451000**  
**North Charleston Sewer District**  
**North Charleston, SC**

Addendum No. 1 is hereby incorporated and made part of the Bid Documents. Except as specifically modified by this document, all other terms and conditions remain in full force and effect. Answers are indicated in **RED**.

### **SUBMITTED COMMENTS/ QUESTIONS**

Question 1: The District is providing specifications from Dezurik which suggest various materials and design options. Would you provide the options for the following valves? **Please see attached specifications for each valve type. These are specs taken from valves recently purchased for a similar project. We would like to match the specifications from that project.**

#### **Knife Gate Valves**

- Alloy for the body? **See attached specifications**
- Packing option? **See attached specifications**
- Seat Design? **See attached specifications**
- Stem extension details? **See attached specifications**
- Actuation requirements? **See attached specifications**

#### **Eccentric Plug Valves**

- Alloy for the body? **See attached specifications**
- Service? **Above ground**

#### **Rubber Flapper Swing Check Valves**

- Would you provide the material for the rubber flapper? **NBR**

The Bid due date and time have NOT changed. It remains September 18, 2024, at 2:00 PM. This Addendum No. 1 must be acknowledged in the submission documents.

END OF ADDENDUM No. 1

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LINE #	Cust LINE #	PART NO.	DESCRIPTION
1		9545561	KGC,24,ES,F1,S2,SMP,S2-M*MN-HD20-S1

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<b>Style</b>	KGC	Cast Stainless Steel Knife Gate Valve (KGC)
<b>Size</b>	24	24 Inch (600mm)
<b>Body Style</b>	ES	Extended Service Valve
<b>End Connection</b>	F1	Flanged Drilling; ASME Class 150
<b>Body Material</b>	S2	316 Stainless Steel Cast
<b>Packing</b>	SMP	PTFE Braided Packing; Temperature to 500° F. (260° C.); pH Range 0 to 14
<b>Gate Material</b>	S2	316 Stainless Steel
<b>Seat Material</b>	M	Metal
<b>Coating</b>	SB0	Exterior: 4 mils minimum of Blue Epoxy DeZURIK with Standard (SP10) surface prep
<b>Actuator</b>	MN-HD20-S1	Handwheel; 20 In Dia; 304 Stainless Steel Yoke

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<b>Valve Weight (Approx)</b>	803 lbs/ 365 kgs
<b>Temperature Range</b>	to 500 Degrees F.

RELATED DOCUMENTS

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- A59095: DWG INST KGC ES MN-HD20 14-24"
- A46357: DWG VALVE ASSY 2-24" 150 FL KGV
- A47224: DWG ACT HDWHL/CHWHL KGC 14-36"

LINE #	Cust LINE #	PART NO.	DESCRIPTION
2		9728689	PEF,20,F1,CI,NBR,CR*MG-WR3L-HD32
<b>Style</b>		PEF	100% Area Rectangular Port Eccentric Plug Valve (AWWA C517) (PEF)
<b>Size</b>		20	20 Inch (500mm); SST Bearings; Welded-in Nickel Seat
<b>End Connection</b>		F1	Flanged Drilling; ASME Class 125/150
<b>Body Material</b>		CI	Cast Iron
<b>Packing</b>		NBR	Acrylonitrile-Butadiene; Temperature to 250° F.
<b>Plug Facing</b>		CR	Chloroprene; -20 to 180° F. (-29 to 83° C.)
<b>Coating</b>		SB0	Exterior: 4 mils minimum of Blue Epoxy DeZURIK with Standard (SP10) surface prep
<b>Actuator</b>		MG-WR3L-HD32	Worm Gear Handwheel; 32 In Dia;

<b>Valve Weight (Approx)</b>	1340 lbs/ 608 kgs
<b>Temperature Range</b>	-20 to 180 Degrees F.
<b>Valve Pressure</b>	to 150 psig

#### RELATED DOCUMENTS

- A59245: DWG INST PEF F1 MG-WR3L-HD 20-30"
- A55403: DWG VALVE ASSY PEF F1 3-20"
- A59421: DWG ACT ASSY MG/MGB
- A59420: DWG CONN PARTS MG/MGB PEF

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LINE #	Cust LINE #	PART NO.	DESCRIPTION
3		9632309	CRF,20,100,F1,DI,NBR*

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<b>Style</b>	CRF	Rubber Flapper Swing Check Valve (CRF)
<b>Size</b>	20	20 Inch (500mm)
<b>Body Style</b>	100	Series 100 Rubber Flapper To 175 PSI
<b>End Connection</b>	F1	Flanged Drilling; ASME Class 125/150
<b>Body Material</b>	DI	Ductile Iron
<b>Flapper Material</b>	NBR	Acrylonitrile-Butadiene (NBR)
<b>Coating</b>	S40SD0	Interior: 12 mils minimum of Blue DeZURIK Epoxy with Standard (SP10). Exterior: 12 mils minimum of Blue Epoxy DeZURIK with Standard (SP10) surface prep

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<b>Valve Weight (Approx)</b>	1550 lbs/ 704 kgs
<b>Temperature Range</b>	to 250 Degrees F.
<b>Valve Pressure</b>	to 175 psig

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RELATED DOCUMENTS

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A70660: DWG INST CRF 100/100SA F1 2-48"

A70417: DWG VALVE ASSY CRF 100 2-36"