

## REQUEST FOR A WAIVER FROM THE AMERICAN IRON AND STEEL REQUIREMENT

This request for a waiver from the American Iron and Steel requirement is completed by a PENNVEST funding recipient when there is a need to use a foreign-made iron/steel component and the component is not expected to be placed on the De Minimus list.

PENNVEST Funding Recipient: **Halifax Area Water and Sewer Authority (HAWASA)**

PENNVEST Project: **Halifax Township Sanitary Sewer Extension Project**

ME Number: [REDACTED]

Recipient/Engineer Contact: [REDACTED]

Name: [REDACTED]

Telephone: [REDACTED]

Email: [REDACTED]

Waiver requested on the basis of:

- Public Interest (complete sections A and B below)**
- Availability (complete sections A and C below)**
- Cost (complete sections A and D below)**

Waivers may be requested using more than one basis.

### PLEASE SUBMIT WAIVER REQUEST TO:

Completed requests can be either mailed or emailed to:  
Richard Wright  
Division of Municipal Facilities  
P. O. Box 8774  
Harrisburg, PA 17105-8774

Email: [riwright@pa.gov](mailto:riwright@pa.gov)  
Phone: 717.772.4059

### **A. General**

Describe the unit process which contains the proposed foreign-made iron/steel component:

The combination Curb Stop and Swing Check Valve assembly is a critical component of the low pressure sanitary sewer system that will allow the 1.5" Sanitary Sewer Laterals to be closed and isolated from the low pressure sewer main and will also prevent sewer back flow and provide a level of protection to the private owners property, grinder pump, basins and related equipment (See Attached - Technical Specification Section 33 31 26 Sanitary Pressure Sewer Piping, 2.03(A)(1-8))

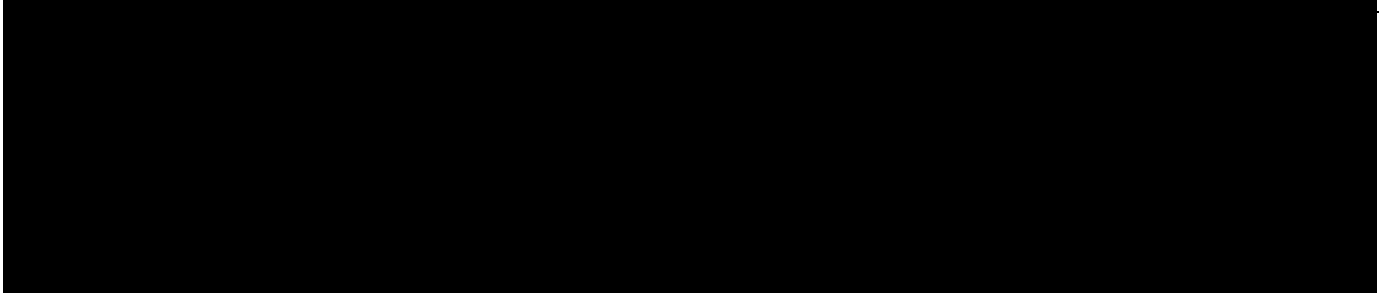
Additional materials attached. ()

**NOTE:**  
This waiver submission may include references to proprietary items and brand name products. These references have been retained in order to provide context for the waiver submission. EPA does not evaluate a waiver based on a proprietary item but reviews the performance-based specifications for the project/products. As such, any references to brand or proprietary items are reviewed on an "or equal" basis by EPA.  
  
Items and pages may have been intentionally redacted or excluded by the EPA. Contact [CWSRFWaiver@epa.gov](mailto:CWSRFWaiver@epa.gov) for more information if necessary.

Describe the foreign-made iron/steel component:

The low pressure sanitary sewer component, a combination curb stop/swing check valve is a single body assembly that is fabricated from 316 stainless steel that are installed on all 1.5" low pressure sewer lateral applications for grinder pumps which are required to withstand the specified 200 psig pressure ratings. (See Attached - Technical Specification Section 33 31 26 Sanitary Pressure Sewer Piping, 2.03(A) (1-8).

Additional materials attached. ()



**B. Public Interest** (N/A )

Why is the use of the product in the public interest? For example, is the use of a foreign-made iron/steel component necessary because of compatibility with existing components in the water or wastewater system, or other reason?

Additional materials attached. ()

**C. Availability** (N/A )

Describe requirements in the project plans, specifications or permits which describe the required quantity and quality of the product:

The combination Curb Stop and Swing Valve Assembly body is required to be fabricated in 316 Stainless Steel to provide a corrosion resistant level of protection for the low pressure sewer system application and moisture from the surrounding soils in a buried application. The Curb Stop and Swing Valve Assembly is also required to withstand the 200 psig pressure rating of the low pressure sewer system main and provide a threaded NPT connections to the 1.5" low pressure sewer lateral polyethylene pipe connections. The Curb Stop and Swing Valve Assembly is required to be installed on all low pressure grinder pump connections, which will impact approximately 137 property owners.

(See Attached Environmental Protect Agency, Office of Wastewater Management, Memorandum Decision dated November 2, 2023 regarding "Project Specific Availability Waiver of American Iron and Steel Requirements for Stainless Steel Pressure Sewer Lateral Valve Assemblies").

Excerpts from plans, specifications and/or permits must be attached.

When is the product needed for installation: Month: Year: 2024

Describe the efforts to use domestic suppliers:

There are not any known domestic manufacturers within the United States to provide the combination Curb Stop and Swing Valve Assemblies that can fabricate this pressurized sanitary sewer component in sufficient reasonably available quantities and of satisfactory quality that will meet or exceed the required technical specifications..

[Redacted text]

Additional materials attached. ()

Provide information from potential domestic suppliers:

Name Of Domestic Supplier Contacted	Supplier Contact Person/Email	Availability	Delivery Date (Month/Year)
[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]

Additional materials attached. ()

## 1.06 EXISTING CONDITIONS

- A. Field Measurements:
  - 1. Verify field measurements prior to fabrication.
  - 2. Indicate field measurements on Shop Drawings.

## PART 2 - PRODUCTS

### 2.01 LOW-PRESSURE SEWER PIPING

- A. Polyethylene (PE) Piping:
  - 1. Pipe:
    - a. Pipe Size 3-Inch Nominal Size and Smaller: Comply with ASTM D3035, DR-11, IPS, for 200 psig pressure rating.
  - 2. Materials:
    - a. Comply with ASTM D3350.
    - b. Minimum Cell Classification: 445574C.
    - c. Designation: PE 4710
  - 3. Fittings:
    - a. Comply with AWWA C901
    - b. Style: Molded or fabricated.
  - 4. Joints:
    - a. Fusion: Butt, Socket, and Electrofusion.
    - b. Threaded: NPT
- B. Stainless Steel/HDPE Transition Fitting:
  - 1. Materials:
    - a. 316 Stainless Steel
    - b. HPDE – Meet piping requirements.
  - 2. Joints:
    - a. Stainless Steel: Threaded NPT
    - b. HDPE: Fusion.
  - 3. Pressure Rating: 200 psig.
  - 4. Fitting shall be manufactured to transition between pipe materials and match size of pipe.

### 2.02 AIR RELEASE VALVES

- A. Combination Air Valves for Wastewater Service as defined in Section 40 05 78.29.

### 2.03 VALVES

- A. Forced Sewer Assembly:
  - 1. Description: Single body assembly consisting of curb stop valve and check valve.
  - 2. Material: 316 stainless steel.
  - 3. Size: 1.5-inch.
  - 4. Pressure Rating: 200 psig.
  - 5. Connections: Threaded NPT
  - 6. Curb Stop Valve operator: Service Key.

7. Manufacturers: [REDACTED]
8. Accessory: Operating Rod Extension.

B. Poly Ball Valves:

1. Full port design.
2. PE4710 polyethylene body, compatible with HDPE DR-11 pipe.
3. Pressure rating: 200 psig.
4. Designed for use with sewage.
5. Operating nut: 2-inch square
6. Connections: butt fusion.
7. Meets requirements of ASTM D2513.

C. Stainless Steel Ball Valves:

1. Full port design.
2. 2-piece or 3-piece body.
3. Operating handle.
4. Pressure rating: 200 psig (min.)
5. Connections: Threaded NPT.
6. Material: 316 stainless steel

## 2.04 MATERIALS

A. Bedding and cover.

1. Bedding and cover: AASHTO No. 8 as specified in Section 31 05 16 - Aggregates for Earthwork.
2. Soil Backfill from above Pipe to Finish Grade: Suitable Backfill and Embankment Material as specified in Section 31 05 13 - Soils for Earthwork, or PennDOT 2A based on trench location.
3. Subsoil: No rocks more than 6 inches in diameter, frozen earth, or foreign matter.

B. Concrete: As specified in Section 03 30 00 - Cast-in-Place Concrete.

## 2.05 ACCESSORIES

A. Valve Boxes:

1. Manufacturers:
  - a. [REDACTED]
2. Valves 12 Inches and Smaller:
  - a. Type: Two-piece screw.
  - b. Material: Domestic cast iron.
3. Valves Larger Than 12 Inches:
  - a. Type: Three-piece screw.
  - b. Material: Domestic cast iron.
  - c. Base: Round.
4. Lid: Cast iron, inscribed with "SEWER"

B. Adjustable Valve Boxes:

1. Manufacturers:
  - a. [REDACTED]