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U.S Environmental Protection Agency (EPA)

GRANT14404823

PROJECT NAME: Cave Creek Interconnect Project

34900 N. Cave Creek Rd

Cave Creek, AZ 85331

I am writing you today to discuss the 6-inch and 8-inch back flow preventer intended for use on the Cave Creek Interconnect Project. MGC has attempted to procure this part under the AIS requirements stated in the government packet provided by Town of Cave Creek, however, we have had no success in finding one that will meet the AIS requirements. Our Vendor, [redacted], in Phoenix, AZ has reached out to [redacted] through our supplier, [redacted], and has received notification that none of the manufacturers make an AIS compliant large diameter reduced pressure back flow preventers. We have included emails from these manufacturers confirming that they cannot meet the AIS requirements.

Price of the 6" [redacted] Backflow Preventer – (Quantity 1) [redacted]

Price of the 8" [redacted] Backflow Preventer – (Quantity 1) [redacted]

Total price of both 6" and 8" Backflow Preventers = [redacted] OR [redacted] of overall pipe and valve materials cost. No cost comparison between domestic and foreign materials was exercised, as no domestic products are made for this product type.

[redacted]

[redacted]

We request that a Nonavailability Waiver be granted to procure the 6" and 8" [redacted] assembly W/ [redacted].

Thank you for your consideration.

This waiver request was submitted to the EPA by the State of Arizona and only applies to the project in the subject line. All supporting documentation included as part of this waiver request were submitted by the recipient to provide an appropriate level of detail and context for the submission. There may be documents with project diagrams, schedules, and correspondence in formats that do not meet the Federal accessibility requirements for publication on the Agency's website. Hence, these exhibits have been omitted from this waiver publication. They are available on request by emailing DWSRFWaiver@epa.gov.

4110 E Elwood St, Phoenix, AZ 85040 Telephone (602) 437-5000

Vendor Contact Information:

[redacted]

Contractor Contact Information:

MGC Contractors, Inc.

4110 East Elwood Street

Phoenix, AZ 85040

Wesley Forster

Project Manager

Mobile 775-315-6971

wforster@mgccontractors.com

inlet and outlet, bronze grooved seat with O-ring seals, and single hinge pin and latch design. The alarm switch shall be wired to the fire alarm system.

b. An accelerator, anti-flood device, and associated trim package shall be provided with each dry-pipe valve.

6. Air Maintenance Device.
   a. An air maintenance device shall be provided for each dry-pipe system. The air maintenance device shall be furnished as a complete assembly, including pressure regulator, pressure relief valve, strainer, shut-off valves, bypass valve, check valve, restriction device, low pressure switch, audible alarm, and all other devices required for proper system operation. The pressure reducing valve and pressure relief valve settings shall be suitable for the air and water system supply pressures.
   b. The low air pressure switch shall initiate a local alarm and shall send a "Fire Sprinkler System Low Air Pressure" alarm to the fire alarm system in the event that the system air pressure drops below 15 psig (adjustable).
7. Ball Drip Valves.
   a. Ball drip valves shall be automatic drain type, 3/4 inch body size, with spring-loaded ball check device and threaded ends.
8. Backflow Preventer.
   a. The sprinkler system backflow preventer shall be a double check detector type. The unit body shall be epoxy-coated cast iron or stainless steel. Gate valves with flanged ends, outside screw and yoke, rising stem, and resilient seats shall be factory installed at each end of the unit. Each gate valve shall be provided with a supervisory switch to alarm in the event that the valve is not in the full open position.
   b. Detector type backflow preventers shall have a bypass consisting of a bronze displacement type water meter in series with a bronze backflow preventer with ball valves on the bypass line. The backflow preventer on the bypass line shall be double check or reduced pressure principle type as needed to match the primary unit. Backflow preventers shall be as manufactured by [redacted]

K. Automatic Sprinklers.
   1. Sprinklers shall be furnished and installed in accordance with their listed spacing limitations. Automatic sprinklers shall be provided with heat responsive elements conforming to UL 199. Sprinkler types and categories shall be as indicated in Schedule 13930-S01. Sprinklers shall be provided with nominal 1/2-inch orifice and 165° F temperature rating unless otherwise indicated or required by application. Sprinklers located in the vicinity of heaters shall be provided with intermediate or high temperature ratings as specified by NFPA 13.
   2. Sprinklers shall be furnished and installed with all required escutcheons for a complete installation. Escutcheons shall permit sprinkler head adjustment as needed for a proper installation.
   3. Sprinkler cabinets shall be of finished steel, with hinged cover, space for minimum of six spare sprinklers plus sprinkler wrench, and shall be suitable for wall mounting. The number of sprinklers required by NFPA 13 and 1 wrench for sprinklers shall be included. A separate cabinet with sprinklers and wrench shall be provided for each style of sprinkler on this project.