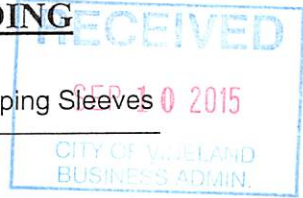


CITY OF VINELAND
DEPARTMENTAL REQUEST FOR PUBLIC BIDDING



1. NATURE OF REQUEST: Butterfly Valves, Resilient Wedge Valves & Tapping Sleeves

2. ENGINEER'S ESTIMATE: \$ 41,000.00
(If Engineer's Estimate has been prepared by anyone other than the person signing this form, please attach a copy of said Engineer's Estimate.)

3. AMOUNT BUDGETED FOR THIS REQUESTED ITEM: \$ _____

4. BUDGETED ITEM: YES NO
(If no, is it an ordinance authorized material, service or supply?)

YES NO ORDINANCE NO.: _____

(B) Please identify the page number and line item appropriation sub-account:

Budget Page No. _____ Account No. 003-0-00-00-0000-2-1550000

5. Check here if:

Federal Funds State Funds

UEZ Funds Davis Bacon Requirements

(If any of the above are checked, the project must be monitored by the department for compliance with prevailing wage rate policy and procedures.)

6. Date to be Advertised: October 13, 2015

7. Date to be Received: November 10, 2015

8. Date to be Awarded: December 8, 2015

9. Special Conditions or Instructions: One year contract w/option for second year, Material only contract for warehouse inventory, purchased when needed.

10. The following must be attached:

Summary of Project

Specifications

Plans (if applicable)

Bidders Mailing List (with emails of the vendor)

11. Specifications Prepared by: David Garcia, Storekeeper, Ext. 4754 *David Garcia*
(NAME, TITLE AND EXTENSION NUMBER)

12. Approved by: *[Signature]*
SIGNATURE (DIRECTOR, DEPARTMENT HEAD, SUPERVISOR)

Send copies to:
Purchasing Department
Business Administration *[Signature]*

Summary of Project Butterfly Valves, Resilient Wedge Valves & Tapping Sleeves

The material items described in this summary fall under the Water Utility Inventory system. All items are used for various pipe connections for use in either direct burial or above ground in Water Treatment Plant applications. The items must be NSF 61 approved to be able to have contact with drinking water.

Butterfly valve is a valve which can be used for isolating or regulating water flow. Butterfly valves are generally favored because they are lower in cost to other valve designs as well as being lighter in weight, meaning less support is required.

The “butterfly” is a metal disc mounted on a rod. When the valve is closed, the disc is turned so that it completely blocks off the passageway. When the valve is fully open, the disc rotates 90 degrees from the closed position to allow an almost unrestricted passage of fluid. The valve is also used to be opened incrementally for throttling purposes inside the Water Treatment Plants.

Gate & Tapping valves are valves that open by lifting a wedge shaped fitting out the path of the fluid. The gate valves are often used when a straight-line flow of fluid and minimum restriction is desired. The tapping valve is usually used with a tapping sleeve as an oversized tap branching off the water main for a business, complex or industry needing a large amount of water flow. These valves are primarily used to permit or prevent the flow of water, but the typical valves shouldn't be used for regulating water flow – they are mainly designed to be fully opened or fully closed.

The non-rising stem (NRS) section lets the gate wedge travel up or down the stem on the threads without raising or lowering the stem. Non-raising stems are used underground or where vertical space is limited. The (NRS) gate valve with the hand wheel will mainly be used in the Water Treatment Plants as replacements when the older valves become unserviceable.

Stainless Steel Tapping Sleeve is a tee that forms a branch opening on a water main and used with a tapping valve for connecting a new oversized water service line. The main body is a light weight stainless steel split tee with a rubber inner liner to form a tight seal around the water main. The branch flange end is what the flanged tapping valve connects to and is used to permit or prevent the flow of water to the new service line. The light weight of the stainless steel sleeve is a benefit for installation purposes where as in the past tapping sleeves were made of heavy ductile iron which took more time and effort because of its weight.