



## AGENDA ITEM SUMMARY FORM

**PROPOSED MEETING DATE:** April 17, 2024  
**PREPARED BY:** Matthew Woodard, Director of Public Works  
**DEPARTMENT:** Public Works

---

### AGENDA ITEM DESCRIPTION:

Consideration, discussion, and possible action authorizing the purchasing of sixteen (16) automatic hydrant flushers.

### BACKGROUND/SUMMARY:

As of February 5, 2024, the City of Manor has 403,326 feet of Water lines and 607 fire hydrants. Funding was included in the FY2023-24 budget to cover the costs of these automatic hydrant flushers, which help flush dead-end mains. These units utilize Bluetooth capability, which will allow the devices to run at night when water usage is usually at lower flow rates. The installation of these units will help save time and allow the operators to perform other routine maintenance tasks during the day.

Kupferle has been the leader in automatic flushing technology for over a decade, providing easy solutions to improve and maintain water quality in distribution systems, especially on dead-end mains. Kupferle's durable and easy-to-use automatic flushing stations help distribution superintendents and water quality managers maintain safe chlorine residuals and remove aging water before harmful disinfection byproducts (DBPs) can form. Utilizing a Bluetooth controller, users program a day/time/duration flushing schedule (e.g., M/2 am/20 minutes). The station then flushes the line (up to 200 GPM for 2" models and 65 GPM for 1" models) at the scheduled times. Powered by a standard 9-volt battery, Automatic Flushing Stations have been shown to improve and maintain water quality while flushing up to 50% less water than flushing fire hydrants, saving time, water, and money for utilities.

### TCEQ Regulations:

§290.46(l) Flushing of mains. All dead-end mains must be flushed at monthly intervals. Dead-end lines and other mains shall be flushed as needed if water quality complaints are received from water customers or if disinfectant residuals fall below acceptable levels as specified in §290.110 of this title.

**LEGAL REVIEW:** No  
**FISCAL IMPACT:** No Approved FY23-24 Budget  
**PRESENTATION:** No  
**ATTACHMENTS:** Yes

- Quote from Core & Main
- Quote from USA Bluebook
- Quote from BenMark Supply Company Inc.

**STAFF RECOMMENDATION:**

The city staff recommends that the City Council approve purchasing 16 automatic hydrant flushers from Core & Main in an amount not to exceed \$38,400.00.

**PLANNING & ZONING COMMISSION:**      **Recommend Approval**      **Disapproval**      **None**

---