



# City of Grand Island

Tuesday, February 22, 2022

Council Session

## Item G-6

**#2022-42 - Approving Purchase of Sanitary Sewer Collection System Flow Meters for the Wastewater Division of the Public Works Department**

Staff Contact: John Collins, P.E. - Public Works Director

# Council Agenda Memo

**From:** Keith Kurz PE, Assistant Public Works Director

**Meeting:** February 22, 2022

**Subject:** Approving Purchase of Sanitary Sewer Collection System Flow Meters for the Wastewater Division of the Public Works Department

**Presenter(s):** John Collins PE, Public Works Director

## Background

The Grand Island Sanitary Sewer Collection System currently has ten (10) flow monitoring sites installed to date. The flow monitoring sites measure important parameters of the sanitary sewer flow including velocity and flow height. Once collected, this information is stored in a database, allowing it to be accessed by city staff and consultants to analyze diurnal flow patterns within the collection system, predicting future capacity, calculate peaking factors, and other factors vital to the design of the city's wastewater collection and treatment infrastructure.

## Discussion

Wastewater Division staff would like to add two (2) flow meter sites in the southwest Grand Island area, near the intersection of Highway 281 and Husker Highway (Hwy 34). This site was selected because it lays at the convergence of two tributary sewer mains just upstream of Lift Station No. 28, allowing us to collect flow data from our westerly residential sewer sheds from the southerly interstate growth areas.

After consideration of several sanitary sewer flow meters currently available on the market, including observation in the field, the Wastewater Division staff selected the Teledyne Isco Signature Flow Meter. The Teledyne Isco Signature flow meter, manufactured by GPM Environmental Solutions, LLC of Blair, Nebraska, is considered one of the best flow meters available today and appears on the Minnesota State bid list (Contract No. E-88(5)), of which the City of Grand Island is a member. The cost for each flow meter is \$18,534.00 (including hardware for installation), with an additional cost of \$16,626.50 for accessories to support use of the meters and \$1,275.00 in shipping fees; the aforementioned Coop Discount saves the City (\$1,979.83). Altogether, the grand total for the two (2) requested flow meters is \$52,989.67. A detailed quote is attached for further review.

Account No. 53030055-85213-53052 contains sufficient funds for this purchase.

### **Alternatives**

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

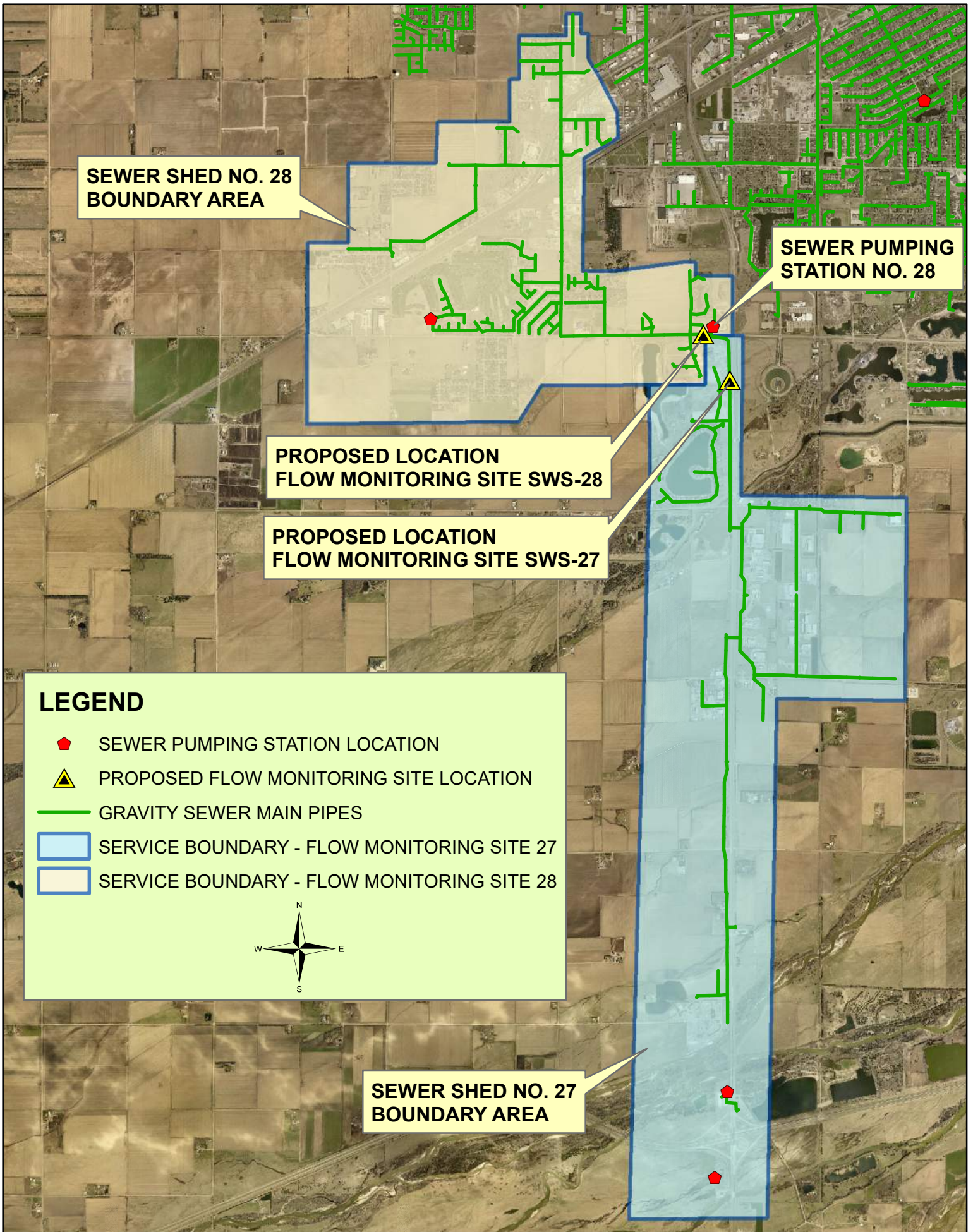
1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

### **Recommendation**

City Administration recommends that the Council approve the flow meter purchase from GPM Environmental Solutions, LLC of Blair, Nebraska in the amount of \$52,989.67.

### **Sample Motion**

Move to approve the resolution.



RESOLUTION 2022-42

WHEREAS, the Grand Island Sanitary Sewer Collection System currently has ten (10) flow monitoring sites installed to date; and

WHEREAS, the flow monitoring sites measure important parameters of the sanitary sewer flow including velocity and flow height; and

WHEREAS, Wastewater Division staff would like to add two (2) flow meter sites in the southwest Grand Island area, near the intersection of Highway 281 and Husker Highway (Hwy 34); and

WHEREAS, this site was selected because it lays at the convergence of two tributary sewer mains just upstream of Lift Station No. 28, allowing us to collect flow data from our westerly residential sewer sheds from the southerly interstate growth areas; and

WHEREAS, the two (2) flow meters can be purchased through the Minnesota State bid list, which Grand Island is a member of; and

WHEREAS, the cost of such meters, including installation and shipping, is \$26,494.84 each, for a total of \$52,989.67.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the purchase of two (2) flow meters from GPM Environmental Solutions, LLC of Blair, Nebraska in the total amount of \$52,989.67, is hereby approved.

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Adopted by the City Council of the City of Grand Island, Nebraska, February 22, 2022.

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Roger G. Steele, Mayor

Attest:

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Jill Granere, Deputy City Clerk

Approved as to Form	☐ _____
February 17, 2022	☐ City Attorney