



# City of Olathe

## COUNCIL AGENDA ITEM

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**MEETING DATE:** 4/2/2019

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**DEPARTMENT:** Public Works

**STAFF CONTACT:** Mary Jaeger / Beth Wright

**SUBJECT:** Contract with TREKK Design Group, LLC for flow monitoring for the Indian Creek Sanitary Sewer Master Plan Update Project, PN 1-C-008-19.

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**ITEM DESCRIPTION:**

Consideration of a Professional Services Agreement with TREKK Design Group, LLC for flow monitoring for the Indian Creek Sanitary Sewer Master Plan Update Project, PN 1-C-008-19.

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**SUMMARY:**

The Indian Creek sanitary sewer basin serves the entire sewer area east of I-35 to the edge of Olathe's City boundary, north to College Boulevard and south to around 167<sup>th</sup> Street. This sanitary sewer basin serves over 46,000 residents and business within the eastern half of the City. This sanitary sewer basin includes over 160 miles of sewer and 4,000 manholes. Sanitary sewer is collected and transferred at 119<sup>th</sup> and Quivira to Johnson County Wastewater for treatment.

Flow monitoring is necessary to determine accurate flow rates and system responses during both dry and wet weather conditions. The collected flow data is then utilized for development and calibration of the sanitary sewer system's hydraulic model. This model is used to determine and accurately identify sanitary sewer mains needing replacement due to capacity shortfalls. Flow monitoring also allows the City to identify sub-sewer basins that require inflow and infiltration corrective actions.

The proposed agreement with TREKK Design Group, LLC, the City's on-call sanitary sewer engineering firm, includes flow monitoring and analysis. The total cost of this agreement is \$118,774.

Installation of flow monitoring will begin immediately following approval of this agreement.

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**FINANCIAL IMPACT:**

Funding for the Indian Creek Sanitary Sewer Master Plan Update Project includes:

<u>Water and Sewer Funds</u>	<u>\$530,000</u>
<b>Total</b>	<b>\$530,000</b>

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**ACTION NEEDED:**

Approval of a Professional Services Agreement with TREKK Design Group, LLC for flow monitoring for the Indian Creek Sanitary Sewer Master Plan Update Project, PN 1-C-008-19.

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**ATTACHMENT(S):**

- A: Professional Services Agreement
- B: Project Fact Sheet
- C: Project Location Map