



## STAFF REPORT

DATE: March 21, 2017

**CONSENT**

ITEM #: 16

**AGENDA ITEM:** I-94 Lift Station (No. 1) and Sanitary Sewer Improvements – Resolution Approving Plans and Specifications and Ordering Advertisement for Bids

**SUBMITTED BY:** Jack Griffin, City Engineer

**REVIEWED BY:** Kristina Handt, City Administrator  
Rob Weldon, Public Works Director  
Chad Isakson, Project Engineer

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**BACKGROUND:** The I-94 Lift Station (No. 1) is located along Hudson Boulevard approximately 1,600 feet east of Inwood Avenue. The lift station was constructed as part of the Eagle Point Business Park with the capacity to serve only the 160 acre business park area. In 2013 the City expanded the sanitary sewer and water service area beyond the Eagle Point Business Park to include the area south of 10<sup>th</sup> Street between Inwood Avenue and Keats Avenue, consisting of 4.5 times the service area. With this expanded service area it was identified that Lift Station No. 1 would need to be replaced as the new service area was built-out and the replacement was programmed in the City's Capital Improvement Plan for 2017. The CIP listed this improvement as the Hudson Boulevard Lift Station.

In 2016, staff reviewed the condition and capacity of Lift Station No. 1 and verified that replacement should occur as planned. On October 4, 2016 the council authorized the preparation of plans and specifications for the improvements for construction in 2017.

**ISSUE BEFORE COUNCIL:** Should the City Council approve the plans and specifications and order advertisement for bids for the I-94 Lift Station (No. 1) and Sanitary Sewer Improvements?

**PROPOSAL DETAILS/ANALYSIS:** The improvements include the replacement of Lift Station No. 1 including a three-pump lift station sized for the initial pumps (2.02 MGD) to handle today's lower flow conditions and also be able to accommodate the service area up to 85% of full build-out. Once at capacity the pumps will be able to be pulled and replaced with minimal changes to the other lift station components to meet the full demand at build-out (2.40 MGD). The lift station improvements include an on-site generator for back-up power, electrical control panel, SCADA controls, and site improvements.

The sanitary sewer improvements include approximately 1,700 feet of 15-inch diameter trunk gravity sewer along Hudson Boulevard from the existing lift station site to Jade Trail North, the new street to the Boulder Ponds subdivision. The new sewer is replacing existing 12-inch and 10-inch sewer that is too small to meet the growing demands.

The plans and specifications have been completed for the improvements and are ready to be advertised for contractor bids. A bid date has been scheduled for April 20, 2017. Once received, bids will be reviewed by staff and if acceptable will be presented to council in May to award a contract.

**FISCAL IMPACT:** The total estimated project cost is \$1,125,000 to be paid from the Sanitary Sewer Enterprise fund. The 2017 Capital Improvement Plan identified this improvement project in the amount of

only \$500,000. The cost change is reflective of the CIP amount being generated in 2013 based on the Keats Lift Station construction bids, which did not turn out to be a representative project.

Approval of this motion does not commit the council to the project costs. Once contractor bids are received, the actual construction costs will be known and the council will be asked to consider entering into a contract to complete the work.

**RECOMMENDATION:** Staff is recommending that the City Council approve, *as part of the consent agenda*, Resolution 2017-023 approving the plans and specifications and order the advertisement for bids for the I-94 Lift Station (No. 1) and Sanitary Sewer Improvements. If removed from the consent agenda, the recommended motion for the action is as follows:

***“Move to approve Resolution No. 2017 –023, approving the plans and specifications and ordering the advertisement for bids for the I-94 Lift Station (No. 1) and Sanitary Sewer Improvements.”***

**ATTACHMENTS:**

1. Resolution No. 2017-023 Approving the plans and specifications and order the advertisement for bids for the I-94 Lift Station (No. 1) and Sanitary Sewer Improvements.
2. Location Map.
3. Project Schedule.
4. Project Plans and Specifications available for review at City Hall.

**CITY OF LAKE ELMO  
WASHINGTON COUNTY  
STATE OF MINNESOTA**

**RESOLUTION NO. 2017-023**

**A RESOLUTION APPROVING PLANS AND SPECIFICATIONS AND  
ORDERING ADVERTISEMENT FOR BIDS FOR THE  
I-94 LIFT STATION (NO. 1) AND SANITARY SEWER IMPROVEMENTS**

**WHEREAS**, pursuant to a resolution passed by the City Council on the 4th day of October 2016, the City Engineer, together with Bolton and Menk has prepared plans and specifications for the I-94 Lift Station (No. 1) and Sanitary Sewer Improvements and has presented such plans and specifications to the Council for approval.

**NOW, THEREFORE, IT IS HEREBY RESOLVED,**

1. Such plans and specifications, a copy of which is on file at Lake Elmo City Hall, and made a part hereof, are hereby approved.
2. The City Clerk shall prepare and cause to be inserted in the official paper and posted online with Quest Construction Data Network (QuestCDN.com) an advertisement for bids upon the making of such improvements under such approved plans and specifications. The advertisement shall be published for at least 21 days, shall specify the work to be done, and shall state that sealed bids provided to the City Clerk prior to the specified bid date and time and accompanied by a bid bond or cashier's check made payable to the City of Lake Elmo in an amount not less than 5% of the amount of such bid will be considered.

**ADOPTED BY THE LAKE ELMO CITY COUNCIL ON THE SEVENTH DAY OF  
FEBRUARY 2017.**

**CITY OF LAKE ELMO**

By: \_\_\_\_\_

Mike Pearson

Mayor

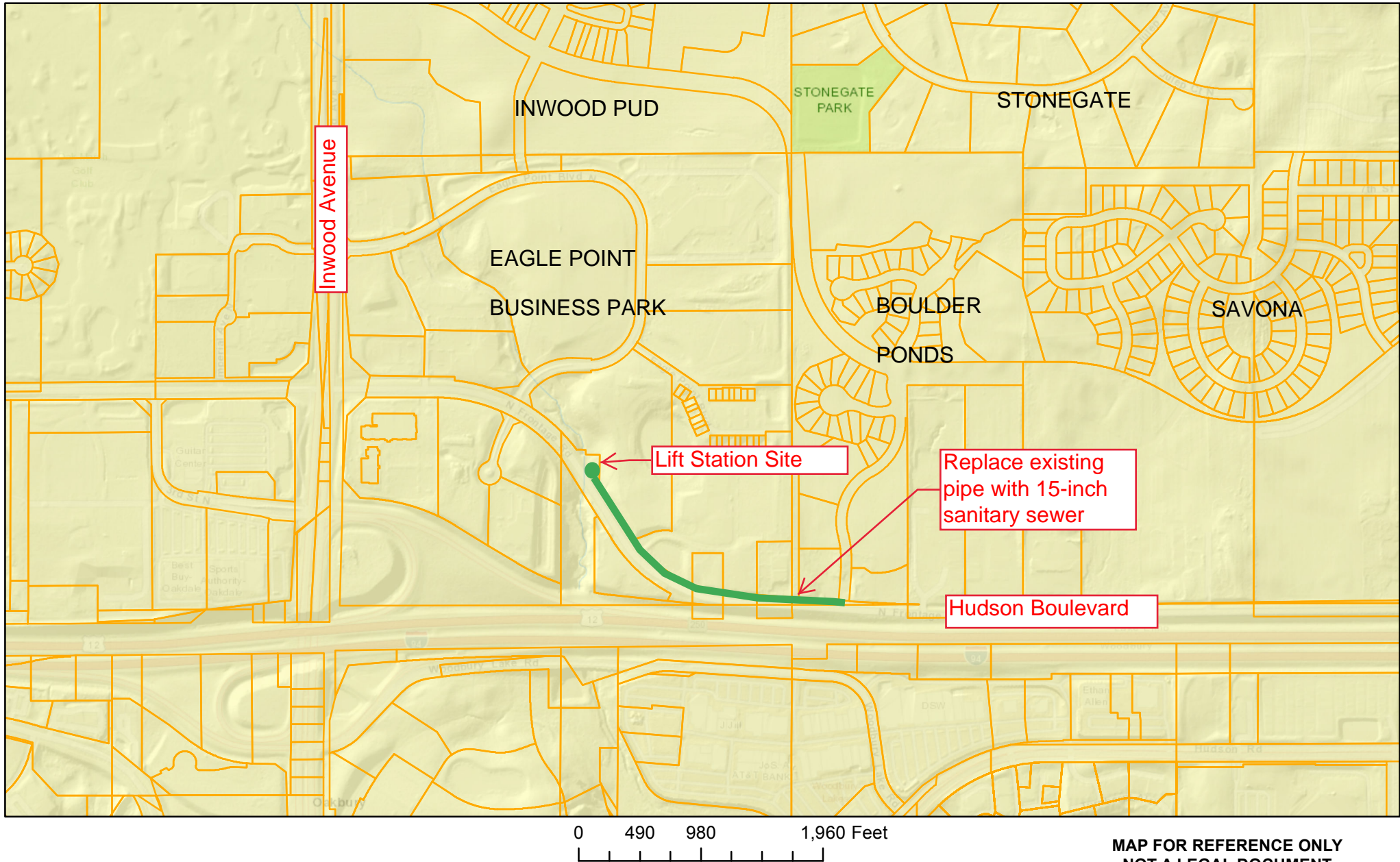
(Seal)

ATTEST:

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Julie Johnson

City Clerk

# I-94 LIFT STATION (NO.1) AND SANITARY SEWER IMPROVEMENTS



**MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT**

## LOCATION MAP

PROJECT SCHEDULE  
CITY OF LAKE ELMO

**FOCUS** ENGINEERING, inc.

Cara Geheren, P.E. 651.300.4261  
Jack Griffin, P.E. 651.300.4264  
Ryan Stempski, P.E. 651.300.4267  
Chad Isakson, P.E. 651.300.4283

I-94 LIFT STATION (No. 1) AND SANITARY SEWER IMPROVEMENTS  
PROJECT NO. 2016.134

*MARCH 2016*

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OCTOBER 4, 2016	Council orders preparation of Plans and Specifications and Awards Engineering Design and Construction Support Services Task Order.
MARCH 21, 2017	Council approves Plans and Specifications; orders ad for bids.
APRIL 20, 2017	Receive contractor bids.
MAY 2, 2017	Council accepts bids and awards contract.
MAY 15, 2017	Conduct Pre-construction meeting and issue Notice to Proceed.
NOVEMBER, 2017	Substantial Completion; lift station online and operational.
DECEMBER, 2017	Final Completion; punch list and final paperwork.