



DES MOINES WATER WORKS
Board of Water Works Trustees

Agenda Item No. III-E
Meeting Date: March 26, 2019
Chairperson's Signature Yes No

AGENDA ITEM FORM

SUBJECT: Request Authorization to Solicit Bids for Polk County Pumping Station – Storage Tank Fill Line and Establish the Date of the Public Hearing as the Date of the May 2019 Board Meeting

SUMMARY:

- In April 1989, the Board of Water Works Trustees awarded a contract for construction of the 5 million-gallon Polk County Storage Tank.
- In August 1989, the Board of Water Works Trustees awarded a second contract to construct the Polk County Pumping Station. The purpose of the pump station and storage tank was to improve water service for customers in the unincorporated area north of Des Moines and the City of Ankeny. The Polk County Pump Station and Storage Tank were placed in service in 1990.
- In 2018, the existing 24-inch diameter ductile iron pipe used to fill the storage tank experienced four (4) failures. These failures consisted of holes in the pipe and called into question the integrity of this pipe line.
- Staff believes it is prudent to replace this pipe line to avoid experiencing future unexpected failures and greatly diminishing water service to Polk County and the City of Ankeny.
- It is also prudent to replace the existing 24-inch butterfly valve with a more sophisticated system that will allow better control of flow of water from the distribution system into the storage tank. This will result in a significant improvement to water service for customers in the area.
- Preparation of plans, specifications, and contract documents for the Polk County Pumping Station – Storage Tank Fill Line is nearing completion.
- The engineer's estimate for the Polk County Pumping Station – Storage Tank Fill Line is \$431,000.
- Staff recommends the Board authorize staff to solicit bids for the Polk County Pumping Station – Storage Tank Fill Line and establish the date of Public Hearing as the date of the May 2019 Board meeting.

FISCAL IMPACT:

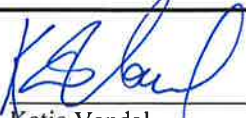
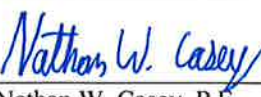
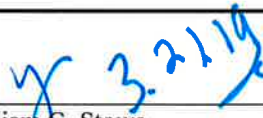
Funds for this project will come from the 2019 Des Moines Water Main Replacement Budget.

RECOMMENDED ACTION:

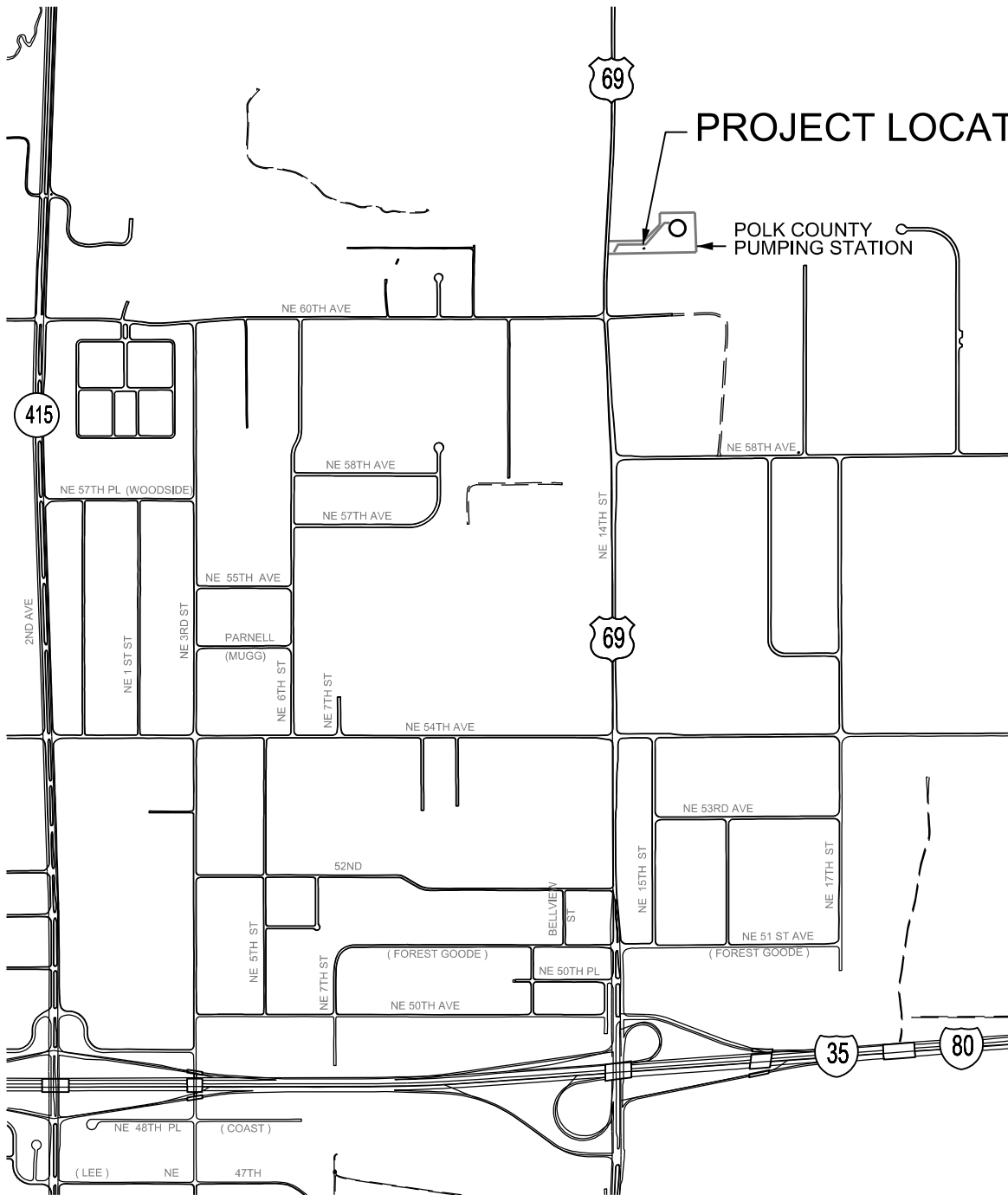
Authorize staff to solicit bids for the Polk County Pumping Station – Storage Tank Fill Line and establish the date of Public Hearing as the date of the May 2019 Board meeting.

BOARD REQUIRED ACTION:

Motion to authorize staff to solicit bids for the Polk County Pumping Station – Storage Tank Fill Line and establish the date of Public Hearing as the date of the May 2019 Board meeting, and direct staff to publish notice as provided by law.

 Katie Vandal Staff Engineer	<u>3/20/19</u> (date)	 Nathan W. Casey, P.E. Engineering Supervisor	<u>3/20/19</u> (date)	 William G. Stowe CEO and General Manager	<u>3/21/19</u> (date)
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Attachments: Site Map



PROJECT LOCATION

POLK COUNTY PUMPING STATION

415

69

69

35

80



NOT TO SCALE

Des Moines Water Works
 Water You Can Trust for Life
 ENGINEERING DEPARTMENT
 Des Moines, Iowa

**POLK CO PUMPING STATION -
 STORAGE TANK FILL LINE**