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**CITY OF RAPID CITY**  
RAPID CITY, SOUTH DAKOTA 57701

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**Public Works Department**  
**Engineering Services Division**

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July 28, 2010

Public Works Committee/Common Council

Re: Request Authorization to Seek Proposals for Engineering Services for Dakota Drive Watermain Reconstruction Project W10-1894 / CIP #50399

The water main project is located in the Dakota Drive Right-of-Way between Canyon Lake Drive and West Main Street and then is proposed to extend west in West Main Street to Harter Drive. The project will also include a water distribution system and pressure zone study in the area between Sheridan Lake Road and Dakota Drive and between West Main Street and Canyon Lake Drive.

The project is needed to replace the water main which is in poor condition and has reached the end of its useful life. The water mains in Dakota Drive and Harter Drive will be looped, which will provide adequate fire flows and water quality. The water study area includes the only remaining portion of an old 12 inch water main that should be replaced, as well as several non-conforming water service lines that should be brought into compliance with current City standards. The study area includes two pressure zones of which the boundaries will be evaluated.

Staff proposes to hire a Consultant Engineer to be responsible for designing the water main project, providing bidding services, and providing construction observation, administration, and project closeout. The water system study will include an evaluation of the existing water mains, water service lines and the water pressure zones within the study area.

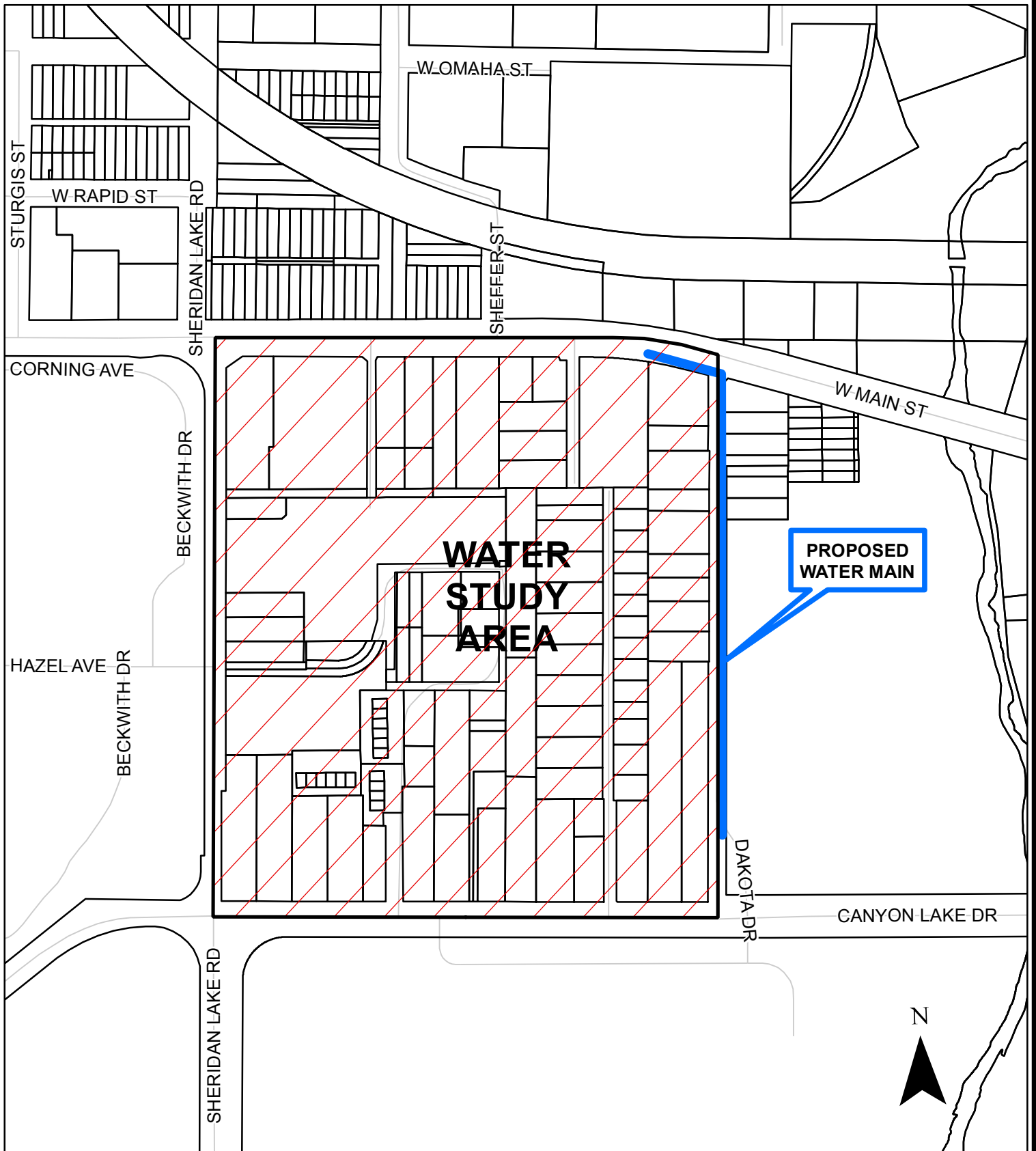
The project is funded from the Water Enterprise Funds. The project is estimated to cost \$475,000 which includes design and construction costs.

Staff proposes to bid and construct the water main reconstruction project in 2011. Improvements proposed in the study area will be completed in a future capital improvements project.

Keith Johnson  
Project Administrator

Cc: Robert Ellis, Public Works Director  
Dale Tech, City Engineer  
Stacey Titus, Project Manager





**DAKOTA DRIVE WATER MAIN RECONSTRUCTION**  
**PROJECT NO. W10-1894** **CIP NO. 50399**  
Item #26