

Staff Report

for the Regular Meeting of the Board of Directors, July 25, 2018

TO: Board of Directors

FROM: Gary D. King, PE, PhD, Engineering Manager
Adrian Schneider, PE, Senior Engineer

ADK

DATE: July 18, 20178

SUBJECT: Maben Canal Encasement Project – Phase II (FATR#8099)

ENGINEERING

RECOMMENDATION:

Award a construction contract to Hansen Bros. Enterprises for the Maben Canal Encasement Project Phase II in the amount of \$678,669, and authorize the General Manager to execute the necessary documents.

BACKGROUND:

The Maben Canal has been on a freeze for new services for more than 17 years. This is due to inability to provide robust maintenance due to poorly accessible reaches, sections at capacity, and repeated failing areas along the canal. In 2017, the first portion of the Maben Canal enhancement (Phase I) was completed with a piped section from Highway 49 to Lime Kiln Road. The next section of the canal is Phase II (this project) and includes the canal from Lime Kiln Road to connection to the Kyler Canal. The last phase of this project is anticipated to be completed in 2019 (Phase III) and together with Phase I and II will increase the capacity of the canal and reduce its maintenance through these areas. The section of unused canal for Phase II and III will be abandoned in 2019 as one project.

A public meeting was held on January 30, 2018 for the property owners and public related to the project area. The District discussed the project and future abandonment of the canal. Four property owners attended the meeting.

The project was evaluated by professional environmental consultants and the resultant findings stated in their reports supported the District's Notice of Exemption (NOE). The NOE was filed in May 2018 with the County and State Clearinghouse.

The Phase II project includes installing an 18-inch diameter pipe within County roadway and reconnecting existing services on the existing canal to this pipe. A treated waterline extension is included as part of this work. The District included this additional treated

waterline work due to construction efficiencies and to limit traffic and public impacts to a one-time period.

On July 12, 2018, the District invited ten contractors to quote on the Project. The District received the three following quotes:

<u>Contractor</u>	<u>Base Quote</u>	<u>Waterline Extension</u>
Hansen Brothers Enterprises	\$628,583	\$50,086
Western Engineering	\$697,180	\$89,550
T & S Construction, Inc.	\$784,070	\$71,000

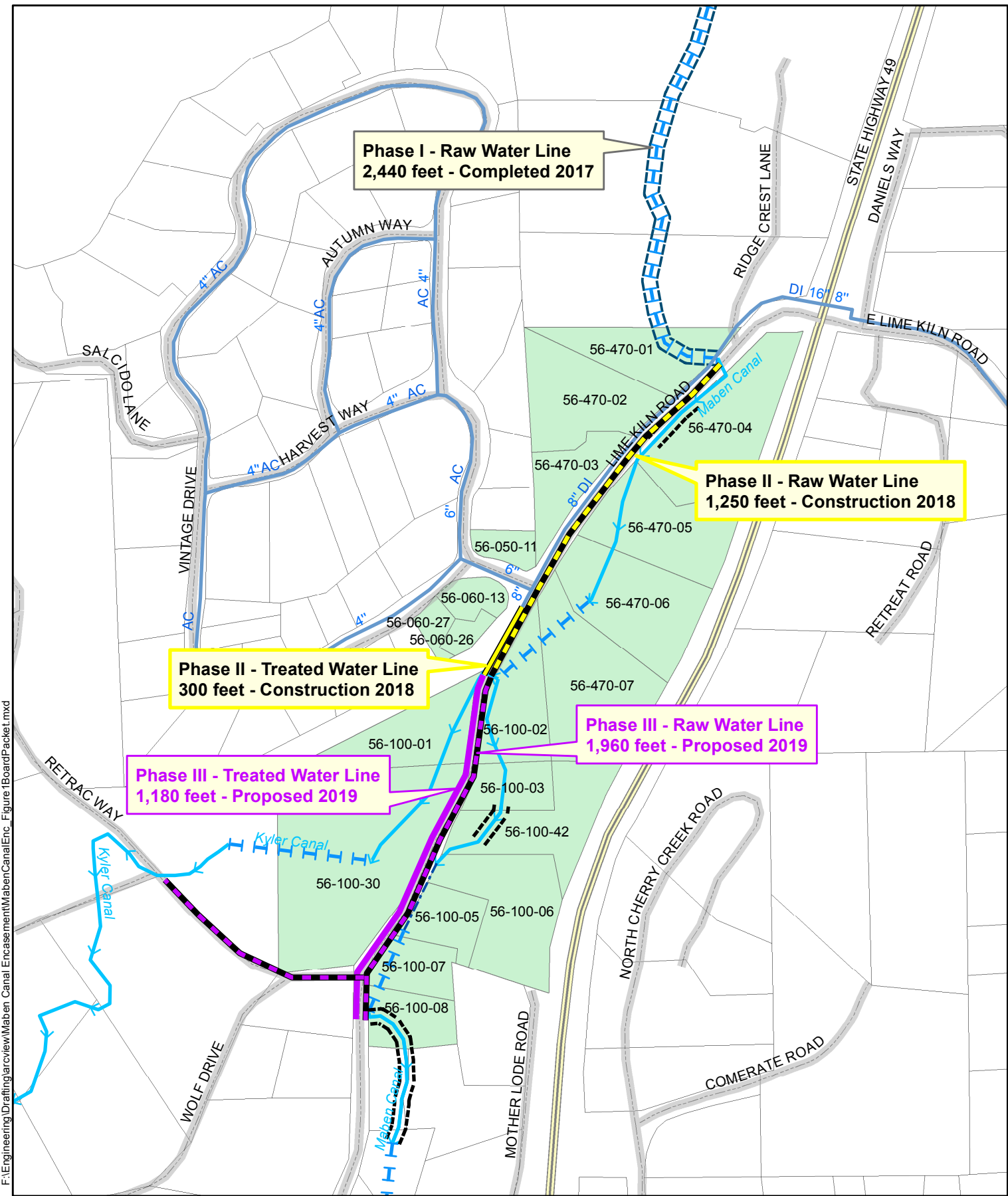
Staff recommends that the Board award the construction contract to Hansen Bros. Enterprises in the amount of \$678,669. This would include the base quote work as well as the extension of the treated waterline.

BUDGETARY IMPACT:

Funding for the project comes from two sources:

- \$628,583 of the project funding comes from 2018 Raw Water System Improvements 10151-52910. The 2018 budget for this program is \$1,000,000.
- \$50,086 of the project funding will come from the Community Investment Program (10151-52912). The 2018 budget for this program is \$800,000. The District will get reimbursement for this project through future connections to the waterline through the District Installed Pipeline Reimbursement Policy #3175.

Attachments: Maben Canal Encasement Project Figure 1



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MABEN CANAL ENCASEMENT - FIGURE 1

Date: 7/17/2018
 Drawn By: L. CANNON

NEVADA IRRIGATION DISTRICT
 NEVADA COUNTY -- PLACER COUNTY
 GRASS VALLEY, CALIFORNIA

Scale: 1" = 400' @ 8-1/2x11
 Sheet: 1 of 1