



CITY OF LE SUEUR
REQUEST FOR COUNCIL ACTION

TO: Mayor and City Council
FROM: Cory Bienfang, City Engineer
SUBJECT: 1 Million Gallon Composite Elevated Water Tower
DATE: For the City Council Meeting of Monday, January 11, 2021

PURPOSE/ACTION REQUESTED

Review the final design of the proposed 1 Million Gallon Composite Elevated Water Tower.

SUMMARY

Per the recommendation of the water system master plan and consistent with the adopted CIP, a new 1-million-gallon water tower is proposed to be constructed in the City. The new tower is planned to be constructed on the City owned property northeast of the existing water tower off Boright Street. The new tower will serve the low-zone pressure system which encompasses most of the system demand. The existing low zone tower, also on Boright, is proposed to be removed following the successful completion of the new tower. The existing tower was built in 1957 and rehabbed in 2002. It received an inspection in 2010 and condition was identified to start planning for its replacement. The tower type is a multi-leg design not recommended by today's standards based on higher construction and maintenance cost, additionally the existing tower has a max 500,000-gallon storage capacity which is deficient in size to adequately serve the low zone system.

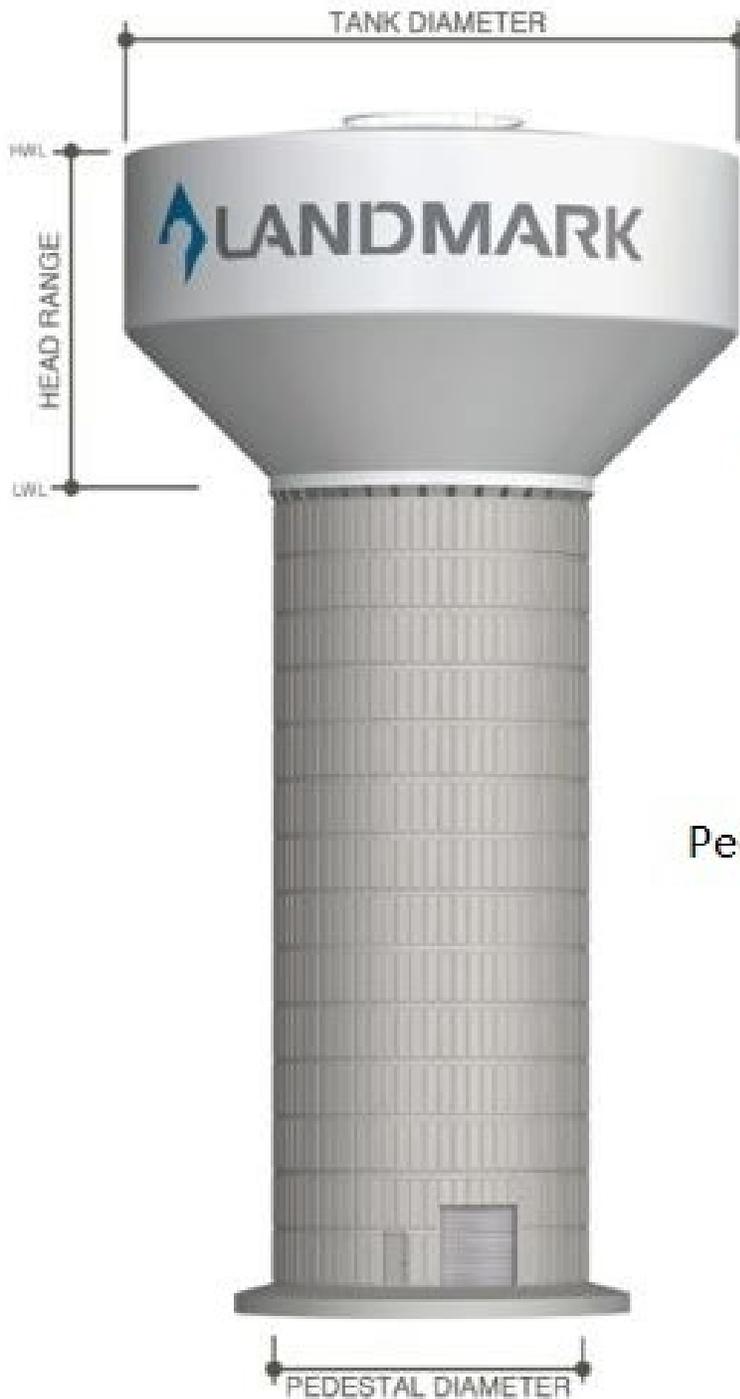
The new tower will be consistent of a concrete base with steel tank. This type is the most commonly constructed water tower for capacities of 1-million gallons or greater. It provides a low maintenance, durable and efficient structure. This new tower is anticipated to adequately serve the City's water demand beyond year 2040.

The new tower construction is expected to start in spring/summer of 2021 and is anticipated to be completed by end of 2022. The demolition of the existing tower will be after the successful completion of the new tower.

Additionally, City staff are coordinating with Lana Beck a local artist for an alternative option for the tank painting. The goal would be to develop a concept that is unique to Le Sueur, with local significance and increased visual appeal compared to the standard City logo found on the other existing towers.

PURPOSE/ACTION REQUESTED

No action is required for approval. Staff recommends that City Council consider all the information received and consider approval of final plans and authorize advertise of bids at the next City Council meeting.



Tank Dia. = 68'-74'

Head Range = 30'-40'

Pedestal = 32'-38'

1.0 MG Tower