



# Lake Mathews Site Wastewater System Replacement

Engineering and Operations Committee

Item 7-2

October 11, 2021

# Current Action

- Award \$3,815,000 contract to Creative Home dba Chi Construction to replace the wastewater system at Lake Mathews facility

# Distribution System





# Aerial view



Damaged Wastewater Line

# Alternatives Considered

- In-kind replacement of existing septic tanks, wastewater pipes, & leach fields
  - Continued requirements for maintenance & contracting activities to keep system operating in a reliable manner
- Replace the existing system with lateral collection system - selected option
  - Connects directly to Western Municipal Water District
  - Minimizes system maintenance by in-house staff and contracts
  - Provides reliable, safe, & cost-effective system compared to septic system



# Proposed Improvement



# Contractor Scope

- Removal of existing wastewater collector lines, septic tanks, leach fields, & accessways
- Install approximately 7,000 ft of new wastewater line
- Install 35 new accessways
- Connect new lines to existing facilities & Western Municipal Water District sewer main
- Traffic control & site restoration



New Wastewater Line



# Metropolitan Scope

- Construction inspection
- Submittal review
- Technical support
- Respond to requests for information
- Provide project management & contract administration



# Bid Results

## Specifications No. 1944A

Bids Received	September 1, 2021
No. of Bidders	3
Low Bidder	Creative Home dba Chi Construction
Low Bid	\$3,815,000
Range of Higher Bids	\$3,904,458 to \$4,153,720
Engineer's estimate	\$4,970,000
SBE Participation*	100%

\*SBE (Small Business Enterprise) participation level set at 25%

# Allocation of Budgeted Funds

## Contract

Creative Home dba Chi Construction	\$3,815,000
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## Metropolitan Labor

Construction Inspection	446,000
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Submittal review, technical support & record drwgs.	248,000
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Contract admin., envir. support, & proj. management	292,000
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Incidental Expenses (Connection & Permit Fees)	150,000
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Remaining Budget	474,000
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Total	\$5,425,000
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# Project Schedule





# Board Options

- Option #1
  - Award \$3,815,000 contract to Creative Home dba Chi Construction for Lake Mathews Site Wastewater System Replacement.
- Option #2
  - Do not proceed with the project at this time.

# Staff Recommendation

- Option #1

