



Chestnut Elevated Storage Tank Restoration

LED Lighting



Chestnut Tank History

1953

Construction Complete and Tank Placed Into Service

1965

Tank Raised 29 Feet

1981

Tank Repainted and Repaired

1993

Tank Repainted and Repaired

2003

Tank Permanently Drained

2014

Tank Inspection – Recommended Repainting to Prevent Corrosion

2020

Tank Inspection – Identified Heavy Metals Recommended Repainting and Minor Structural Repairs

2024

Construction Cost Estimates Obtained



Tank made by Pittsburgh-Des Moines Steel, Co. who also made steel for St. Louis Gateway



Tank Improvements



Existing View of Chestnut Tank

- Environmental Remediation
- Repainting
- Structural repairs
- Replace and upgrade safety systems
- Accommodations for cellular providers

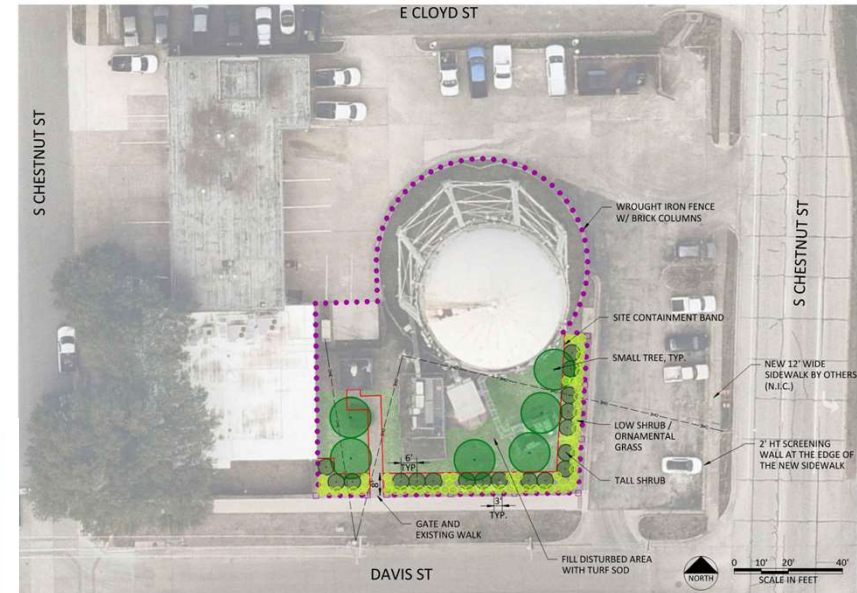
Screening and Buffering Improvements



Existing View of Chestnut Tank

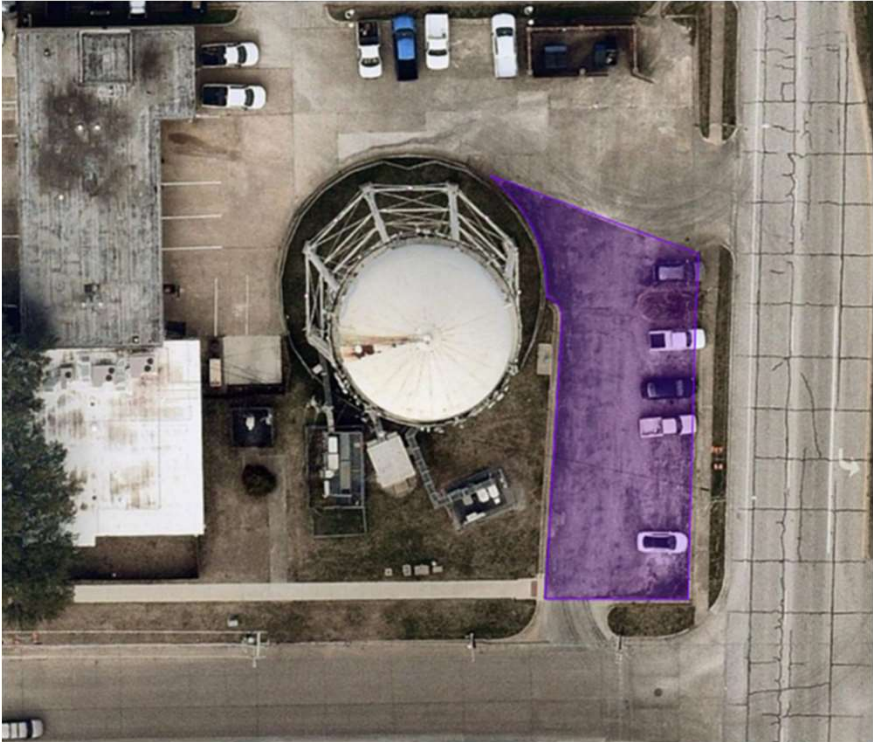


Proposed View of Chestnut Tank



*Proposed Landscaping and
Ornamental Fence Layout*

Pavement Improvements



Proposed Area of Pavement Replacement

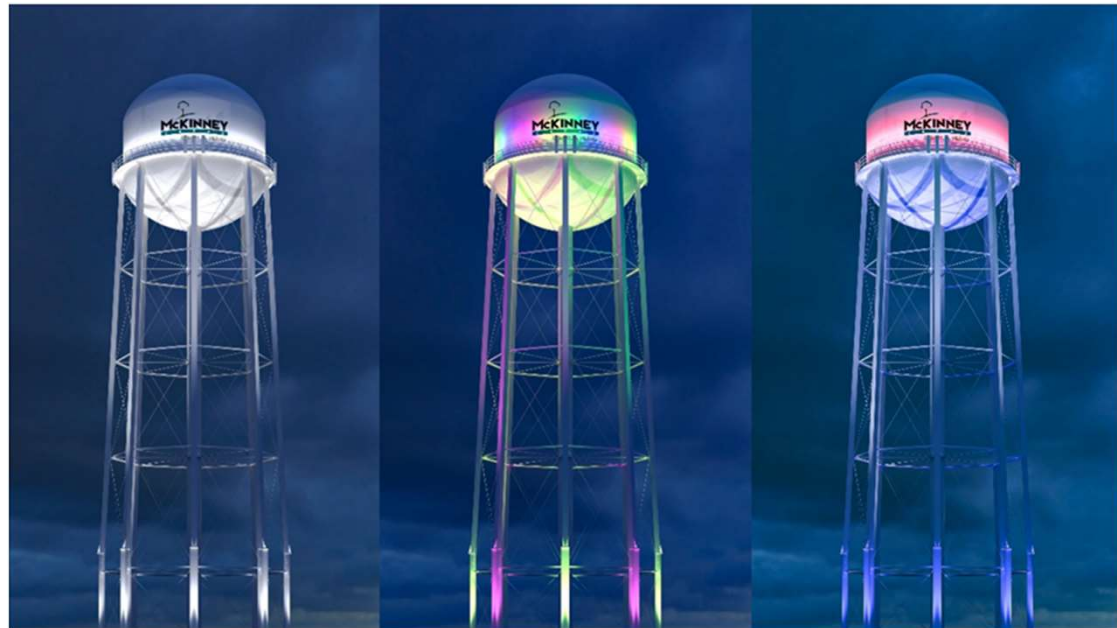
LED Lighting Improvements



- Catwalk mounted LED lights
- LED lighting around the base of the tank
- LED lighting mounted to the exterior legs of the tank
- Programmable lighting control system

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- Construction Schedule: June 2024 – March 2025
- Estimated Total Construction Cost: \$2,455,000
- Estimated LED Lighting Cost: \$485,000
- City grant request of up to \$500,000 from MCDC



Summary