



# Utilities Infrastructure Fencing Project

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Project Manager: Jake Hebert, Project Engineer

# Strategic Initiative



Supportive and Sustainable Infrastructure

# Introduction

- ◆ Project Background
- ◆ Project Details
- ◆ Work Areas
- ◆ Bid Process and Results
- ◆ Final Recommendation

# Project Background

- ◆ Enhancing the security at sites that contain critical City infrastructure
- ◆ 4 project sites will have security fencing installed
  - ◆ South Tank Site
  - ◆ Water Treatment Plant
  - ◆ Ken Mitchell Storage Complex
  - ◆ Midland Diversion Site

# Project Background

- ◆ Recent theft and vandalism at South Tank Site and Ken Mitchell Storage Complex
- ◆ Security fencing will deter these types of occurrences



Existing fence cut at the South Tank Site

# Project Background

- ◆ Type of fencing to be installed is recommended by AWWA and ASCE, as well as the Department of Homeland Security, for the security of water treatment/storage facilities



Break-in at South Tank Site pump station

# Project Details

- ◆ Scope of Work
  - ◆ Installation of Ameristar Montage II fencing and mow strip
  - ◆ Property surveys
  - ◆ Demolition of any fencing
  - ◆ Replacing disturbed vegetation



Ameristar Montage II Invincible fencing



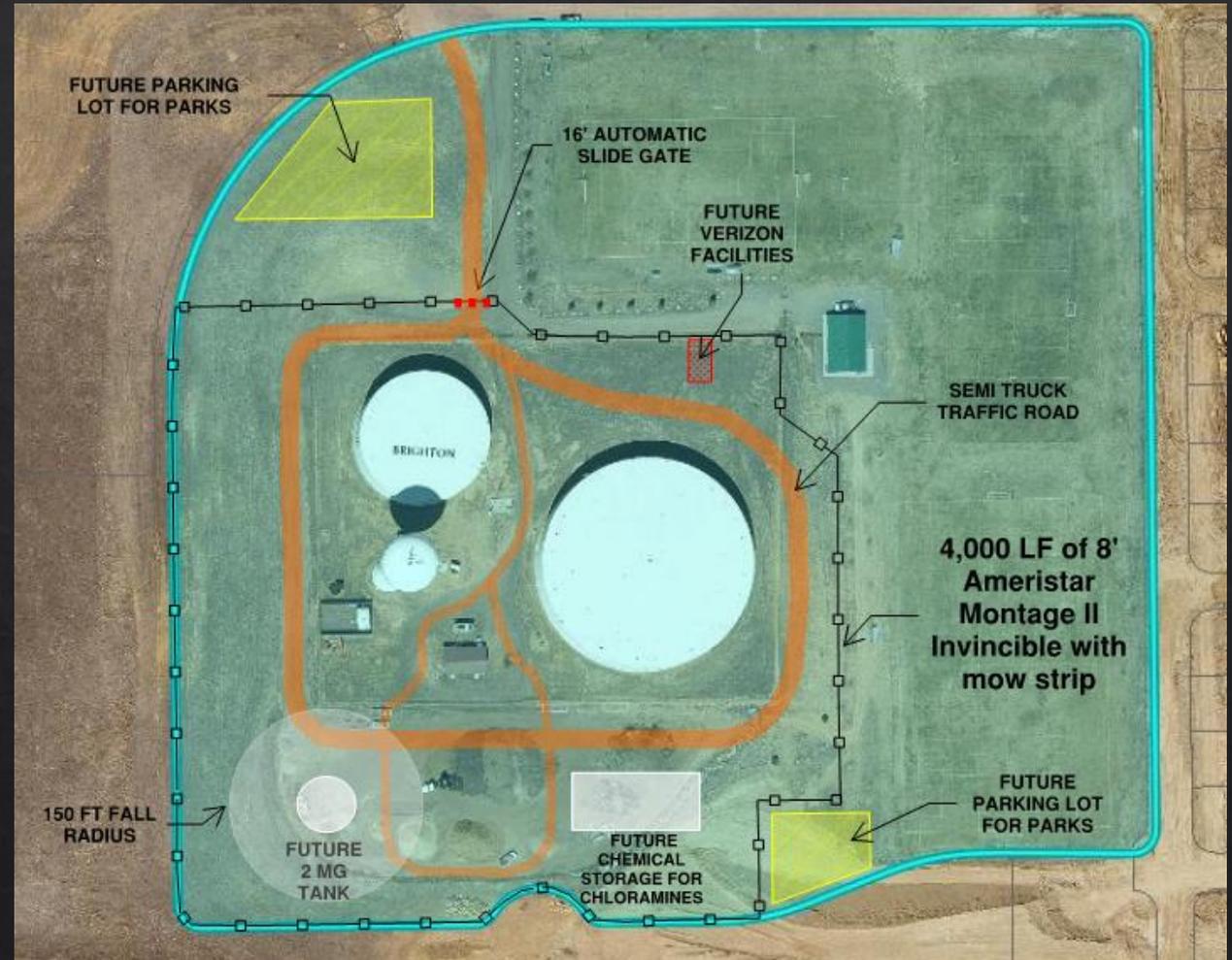
*Ameristar's Montage fence systems are backed by over 30 years of excellence in the fencing industry*

## PRIMARY APPLICATIONS

- ▶ State Facilities
- ▶ Government Facilities
- ▶ Airports
- ▶ Water Treatment & Storage
- ▶ Public Housing Authorities
- ▶ Parks & Recreation
- ▶ Stadiums & Event Centers
- ▶ Universities
- ▶ Hospitals
- ▶ K-12 Schools

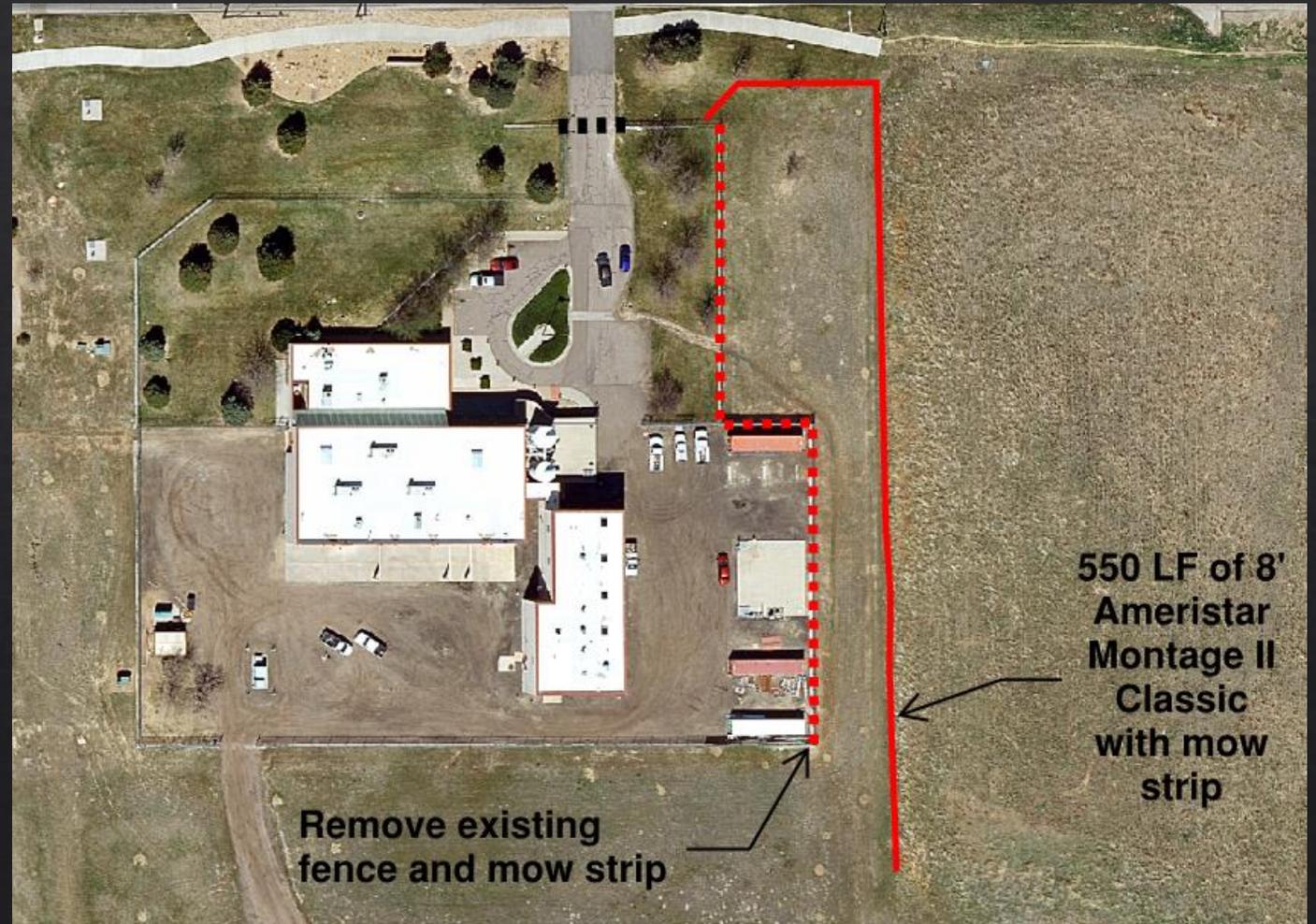
# South Tank Site

- ◆ 4,000 LF of new fencing
- ◆ Vehicle entrance gate and access man gate
- ◆ Property survey
- ◆ Demolition of existing fence



# Water Treatment Plant

- ◆ 550 LF of new fencing on property line
- ◆ Property survey
- ◆ Demolition of existing fence



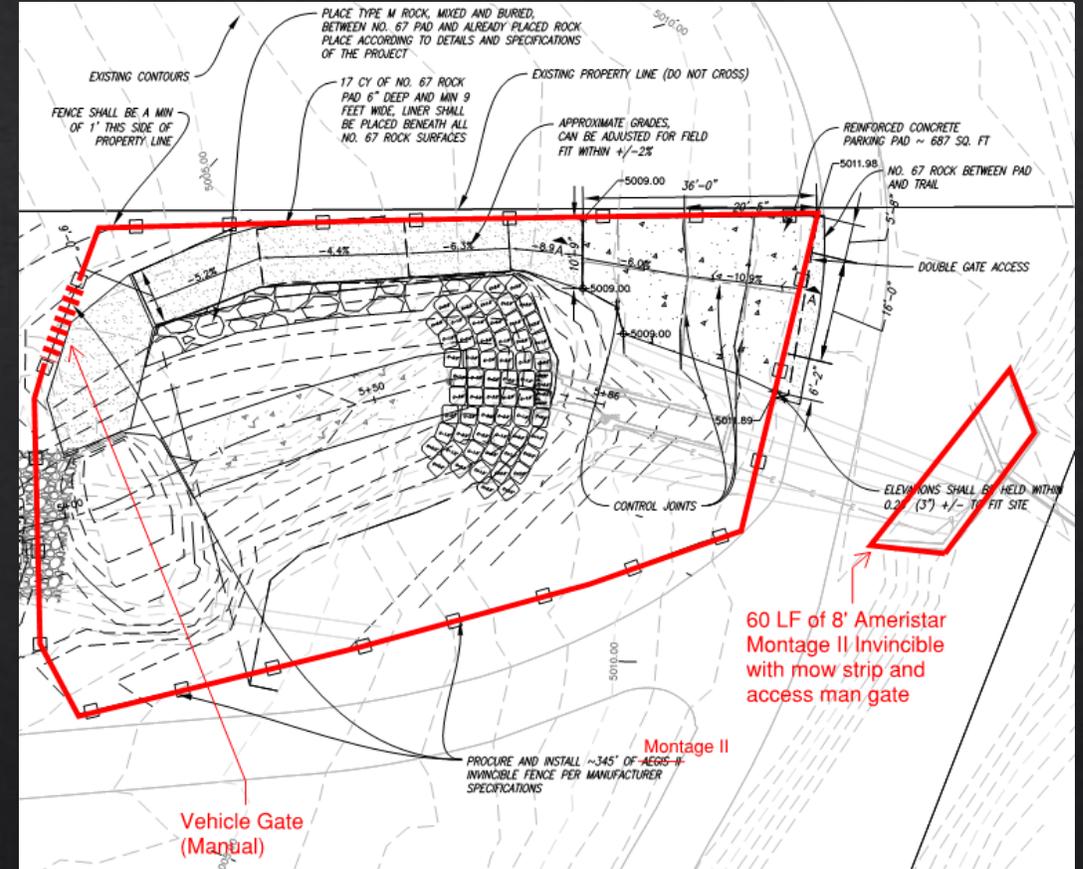
# Ken Mitchell Storage Complex

- ◆ 1,200 LF of new fencing
- ◆ Three vehicle entrance gates



# Midland Diversion Site

- ◆ 465 LF of new fencing
- ◆ Two vehicle entrance gates and one access man gate
- ◆ Property survey



# Bid Process and Results

- ◆ Formal Bid Process
  - ◆ Bids due June 5<sup>th</sup>, 2018
  - ◆ Two (2) bids received
- ◆ Steelock General Fence Contractor had the low bid at \$794,600
  - ◆ Includes fencing at all 4 project sites
  - ◆ Contractor has broken down his bid based on project sites to allow the option for the City to not include all sites
- ◆ Spending authority for this project is derived from 2018 Water Activity Enterprise Fund

# Bid Process and Results

<b>Project Sites</b>	<b>Cost Per Site</b>
South Tank Site (4,000 LF)	\$509,331
Water Treatment Plant (550 LF)	\$66,912
Ken Mitchell (1,200 LF)	\$156,300
Midland Diversion (465 LF)	\$65,400
<b>Total Cost* (6,215 LF)</b>	<b>\$794,600</b>

\* The total cost represents a slight savings if all sites are contracted at this time

# Final Recommendation

Montage fencing is essentially maintenance free. It is designed to last several decades, and it is endorsed by multiple expert security entities. It has previously been selected as the City's preferred fencing for the well site at City Hall.

Staff believes that selecting Steelock General Fence Contractor for the Utilities Infrastructure Fencing project would accomplish the following:

- ◆ Increase the security of several critical City infrastructure sites
- ◆ Provide a cost effective, long term security solution at these sites
- ◆ Establish the standard for the City infrastructure security measures and consistency for the future

Questions?