



# Los Alamos

# Fire Station No.4 Replacement

## Site Selection Community Meeting

Incorporated County of Los Alamos  
Los Alamos Fire Department

September 23, 2024

LOS ALAMOS

# Agenda

- Project Introduction
- Project Presentation
  - Strategic Goals & Priorities
  - Schedule
  - New Fire Station benefits
  - Overview of 3 sites under consideration
- Tour Existing Fire Station No. 4
- Discussion & Questions
- Next Steps

# Project Introduction

- Project History
- Problems we are addressing
- Overall Intent of the Project



# Strategic Goals & Priorities



# Project Schedule

<u>Phase</u>	<u>Est. Completion</u>
• <b>Site Selection</b> (current)	<b>11/2024</b>
• Pre-Design	<b>12/2024</b>
• Schematic Design	<b>02/2025</b>
• Design Development	<b>04/2025</b>
• Contract Documents	<b>06/2025</b>
• Bidding + Permitting	TBD
• Construction	TBD

# Site Selection Phase

- 1<sup>st</sup> Community Meeting **9/23/24**
  - Survey closes **10/07/24**
- 2<sup>nd</sup> Community Meeting **10/15/24**
  - Present conceptual site plans
  - Present Site, Environmental and Response Time studies, Present Conceptual Estimates
  - Discussion of Pros/Cons
- 3<sup>rd</sup> Neighborhood Meeting **10/21/24**
  - Present refined conceptual plans
- County Council Presentation **11/12/24**

# New Fire Station Principles + Benefits

- **The Problem**
  - **Firefighting takes a toll on the Body and the Mind**
    - Firefighters face serious long term health risks, and higher cancer rates due to exposure to dangerous carcinogens such as asbestos, benzene, flame retardants, formaldehyde, polychlorinated biphenyls, PAH's and PFAS to name a few.
    - Firefighting is consistently ranked as one of the most stressful jobs in the country due to the nature of the work, long hours and poor sleep quality.
    - Firefighter recruitment is becoming more difficult.
  - **Improvements in Design, Technology and Equipment are needed to maximize Fire Department Effectiveness**
  - **The Existing Fire Station No. 4 is an outdated, inefficient building with existing costly maintenance needs.**

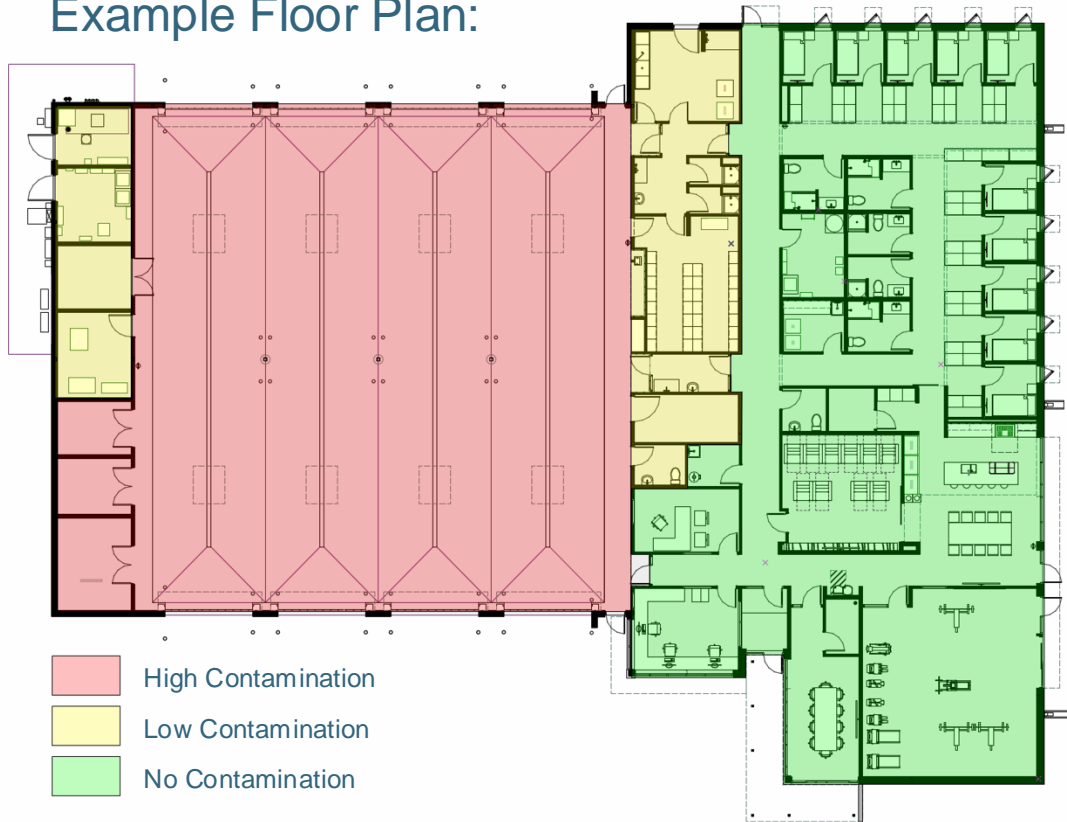
# New Fire Station Principles + Benefits

- **Our Goal is to address these problems with a new, State of the Art, Fire Station designed to improve:**
  - **Firefighter Health and Quality of Life**
    - Physical Health – Clean environment, Quality Sleep, Improved Fitness
    - Mental Health – Places to De-stress, Commune, be Outdoors, have Quiet
    - Recruitment & Retention – Gender Inclusive Design, Warm and Comfortable Space
  - **Improve the functionality of the Fire Station**
    - Increased capacity for equipment
    - Improve Turnout Times
    - Top Shelf Alerting and Technology
  - **Improve the Sustainability of the Fire Station**
    - LEED Silver Certified



# Principles + Benefits: Quality of Life

Example Floor Plan:



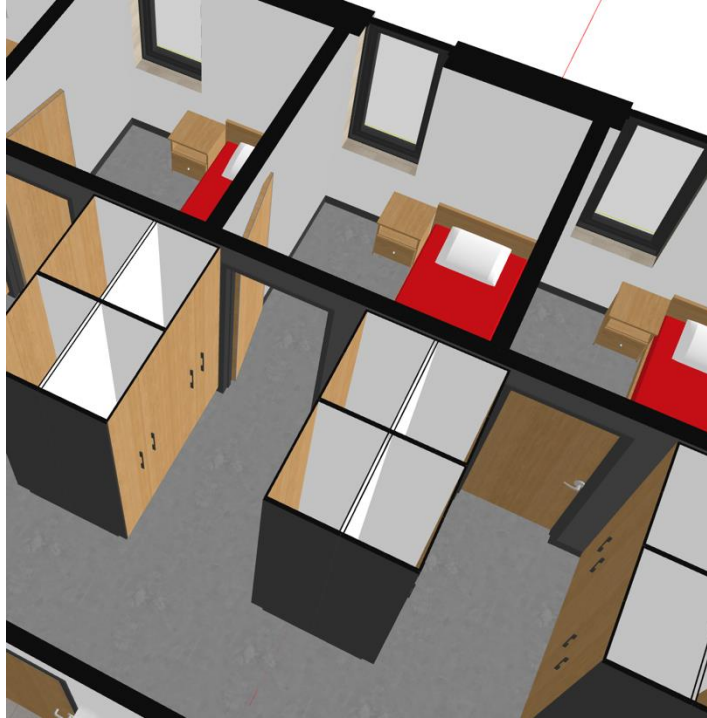
- **Physical Health**

- Managing Contaminate Exposure Risk with Hot Zone Design

# Principles + Benefits: Quality of Life



Existing Bunks



Bunks focused on sleep quality

- **Physical Health**
  - Managing Exposure Risk with Hot Zone Design
  - **Quality Rest**

# Principles + Benefits: Quality of Life



- **Physical Health**
  - Managing Exposure Risk with Hot Zone Design
  - Quality Rest
  - **Improved Fitness**

# Principles + Benefits: Quality of Life

Example Floor Plan:



## Mental Health

- De-Stress
- Community
- Access to the Outdoors
- Space for Quiet

# Principles + Benefits: Quality of Life

Example Floor Plan:



## Mental Health

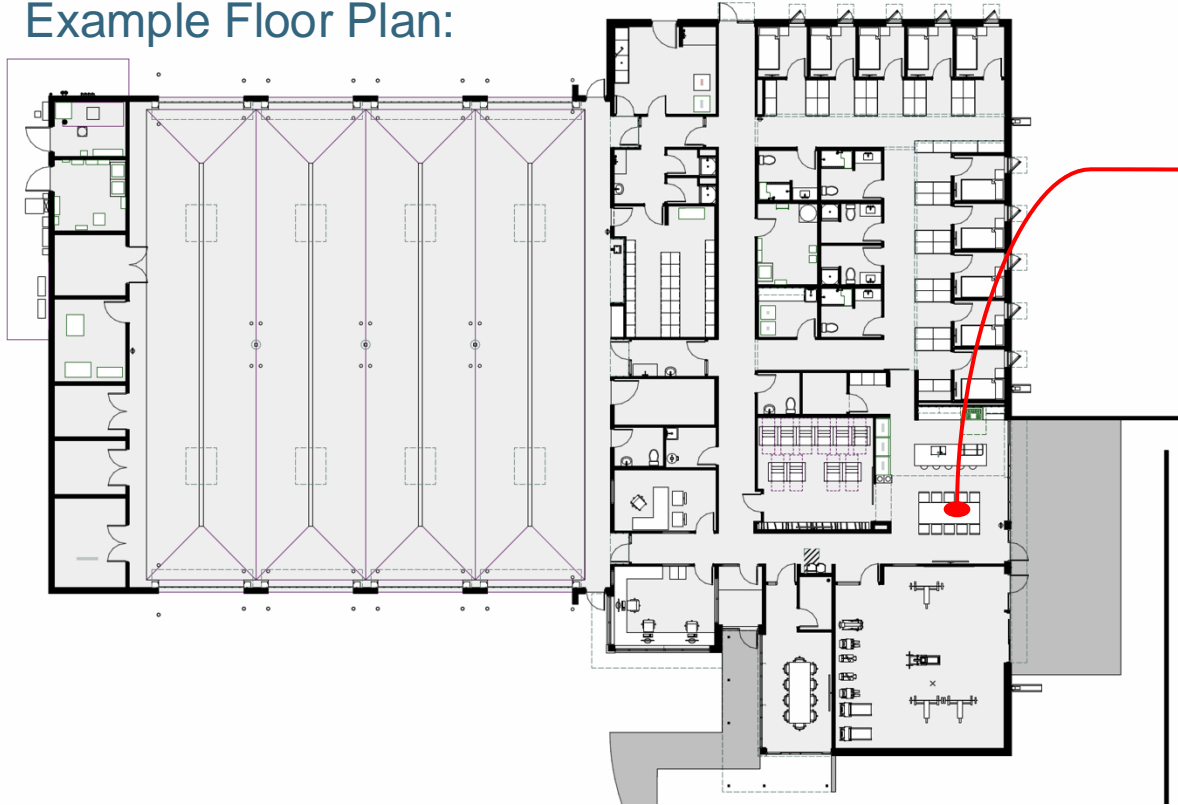
- De-Stress
- Community
- Access to the Outdoors
- Space for Quiet



TCA, Inc.

# Principles + Benefits: Quality of Life

Example Floor Plan:



## Mental Health

- De-Stress
- **Community**
- Access to the Outdoors
- Space for Quiet



# Principles + Benefits: Quality of Life

Example Floor Plan:



## Mental Health

- De-Stress
- Community
- **Access to the Outdoors**
- Space for Quiet



# Principles + Benefits: Quality of Life

Example Floor Plan:



## Mental Health

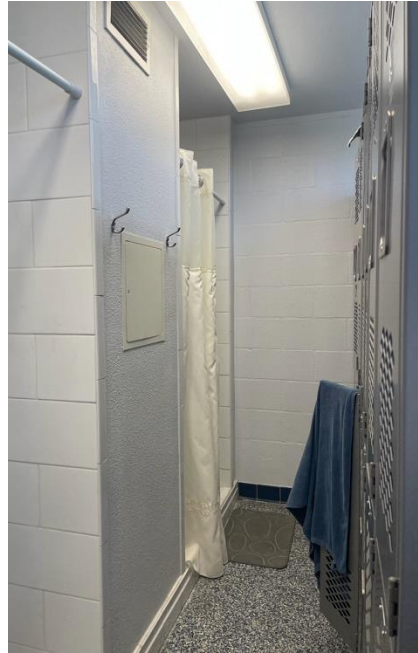
- De-Stress
- Community
- Access to the Outdoors
- **Space for Quiet**





# Principles + Benefits: Quality of Life

- **Improved Recruitment + Retention**
  - **Gender Inclusive Design**
  - **Bright, Open and Comfortable Space**



Existing Open Shower Room



Gender Inclusive Restroom

# Principles + Benefits: Quality of Life

- **Improved Recruitment + Retention**
  - Gender Inclusive Design
  - **Bright, Open and Comfortable Space**



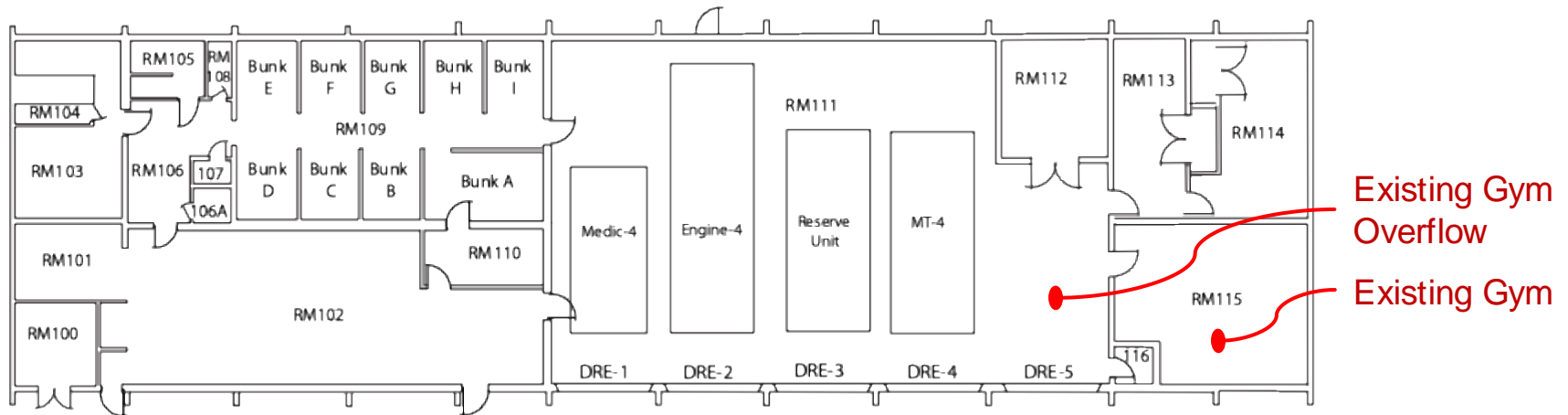
Existing Kitchen



Community Focused Kitchen

# Principles + Benefits: Improved Function

- Improved Capacity
- Improved Turnout Time
- Improved Technology



Existing Fire Station No.4

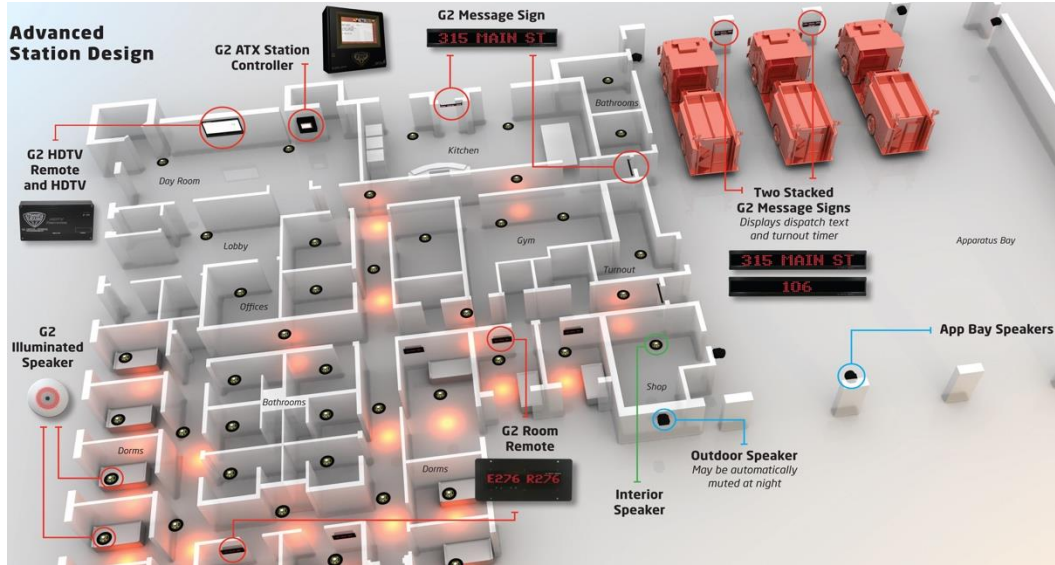
# Principles + Benefits: Improved Function



- Improved Capacity
- Improved Turnout Time
- Improved Technology

**Shaving seconds off of turnout time can lead to a multiple % increase in Response Time success rates.**

# Principles + Benefits: Improved Function



- Improved Capacity
- Improved Turnout Time
- Improved Technology

# Principles + Benefits: **Sustainability**



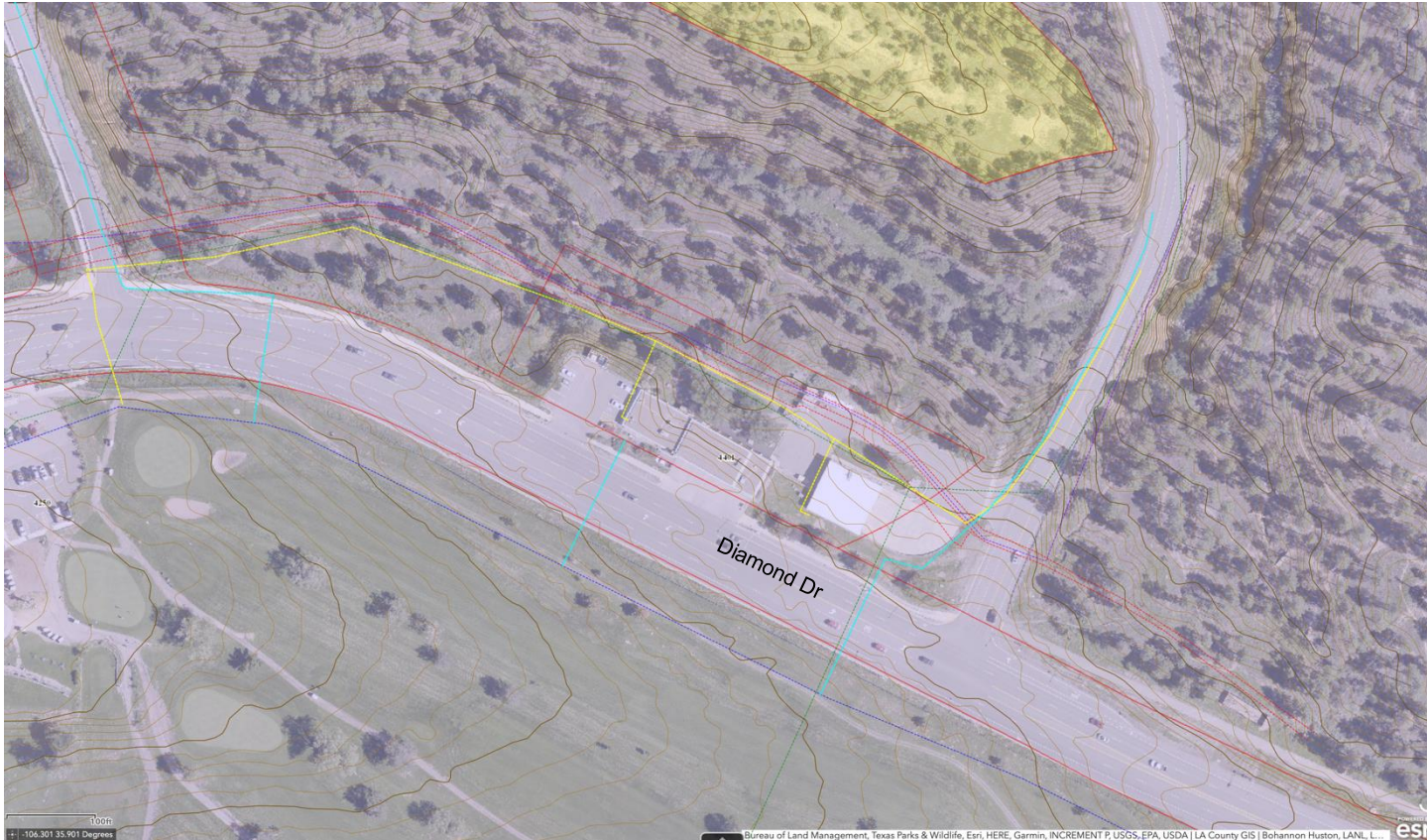
- Improved Insulation Levels
- Improved Air Tightness
- Improved Air Quality
- Improved Mechanical Equipment Efficiency
- Provisions for On Site Renewable Energy Production
- LEED Silver Certification

# Site Selection

- **Site A** | Existing Fire Station No.4
- **Site B** | Golf Course Maintenance Site
  - **Site C** | Loma Linda

# Site Selection: Site A

LIDAR link



- Water Main
- Electric Underground
- Electric Overhead
- Non-Potable Water
- Gas
- Sewer



# Site Selection: Site B

LIDAR link



- Water Main
- Electric Underground
- Electric Overhead
- Non-Potable Water
- Gas
- Sewer

# Site Selection: Site C

LIDAR link



- Water Main
- Electric Underground
- Electric Overhead
- Non-Potable Water
- Gas
- Sewer

# Tour Existing Fire Station No. 4

# Discussion & Questions



# Next Steps

Site A  
LIDAR

- Tour the Sites in person or via the LIDAR links provided

Site B  
LIDAR

- Complete the Survey – **Closes on 10/7/24**

Site C  
LIDAR

- We'll see you at the next meeting on 10/15!



Scan for Survey



Scan for Website

Thank you!