

# **CONSIDERATION OF A RESOLUTION TO ISSUE CERTIFICATES OF PARTICIPATION TO FUND THE CONSTRUCTION TO REPLACE FIRE STATION #2**

MARCH 2, 2021



# BACKGROUND

- ❑ Facility built in 1954  
(66+ years old)
- ❑ 3,275 sq. ft.
- ❑ Facility reached the end of its useful life.
- ❑ In 2017, an independent architectural firm identified numerous deficiencies.



# BACKGROUND

- City Council prioritized Fire Station #2 for complete replacement in September 2017.
- City Council funded and awarded a contract to WLC Architects for design and construction support in May 2018.
- City held public meetings to receive feedback on the project in October and December 2018.



# BACKGROUND

- City Council approved site and floor plans, and provided direction for the exterior of the building in December 2018.
- Planning Commission reviewed and approved the project in August 2019.
- Construction documents were prepared and submitted, and received approval from City Building Safety for construction in January 2021.



# FIRE STATION #2 DEFICIENCIES

## ❑ Most Notable Deficiency

- Seismic Force Resisting System
  - The current Fire Station #2 is inadequate to function as an essential facility.

## ❑ Deficiencies Also Found In

- Apparatus Bay
- “Shop” Area
- Captain’s (Administrative) Office
- Restrooms & Locker Room
- Ventilation System
- Turnout Room



# FIRE STATION #2 DEFICIENCIES

## ❑ Deficiency: Apparatus Bay Size

- Too small for typical fire engine.
- All fire engines @ Station #2 must be custom-built.
- All engine maintenance must be performed outside.
  - Limits ability to contain potentially carcinogenic particles.
  - May block the pedestrian sidewalk.





# FIRE STATION #2 DEFICIENCIES



## ❑ Deficiency: Shop Area

- No dedicated shop area to service/maintain tools
- Existing area too small
- Existing “Shop” area shares space w/
  - IT Equipment
  - Wildland Fire Equipment
  - Water
  - Station Supplies
- Firefighters often spend extended amounts of time @ Station #1 maintaining tools



# FIRE STATION #2 DEFICIENCIES

- ❑ **Deficiency: Captain's Office (Administrative Area)**
  - All firefighters spend significant time performing administrative tasks.
  - Existing space only accommodates 2 of 3 firefighters on shift.

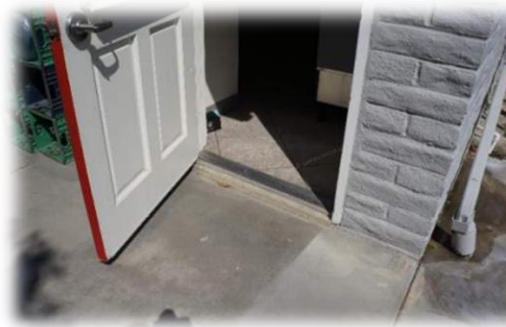




# FIRE STATION #2 DEFICIENCIES

## ❑ Deficiency: Restrooms & Changing Area

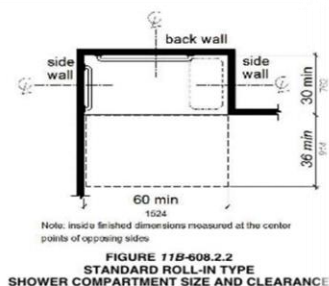
- No Private Areas
- No Separate Facilities for Female Firefighters
- Non-ADA Compliant Building Elements



11B-303.2 Vertical. Changes in level of  $\frac{1}{4}$  inch (6.4 mm) high maximum shall be permitted to be vertical and without edge treatment.



FIGURE 11B-303.2  
VERTICAL CHANGE IN LEVEL



# FIRE STATION #2 DEFICIENCIES

## ❑ Deficiency: Ventilation System

- No separation between apparatus bay & living quarters
  - Prolongs firefighter exposure to toxic and carcinogenic particles.

## ❑ Deficiency: Turnout Room (No Extractor)

- Extractors remove carcinogens from firefighter turnout gear.
  - Firefighters must use extractor at Station #1 to clean gear.



# REPLACEMENT FIRE STATION #2

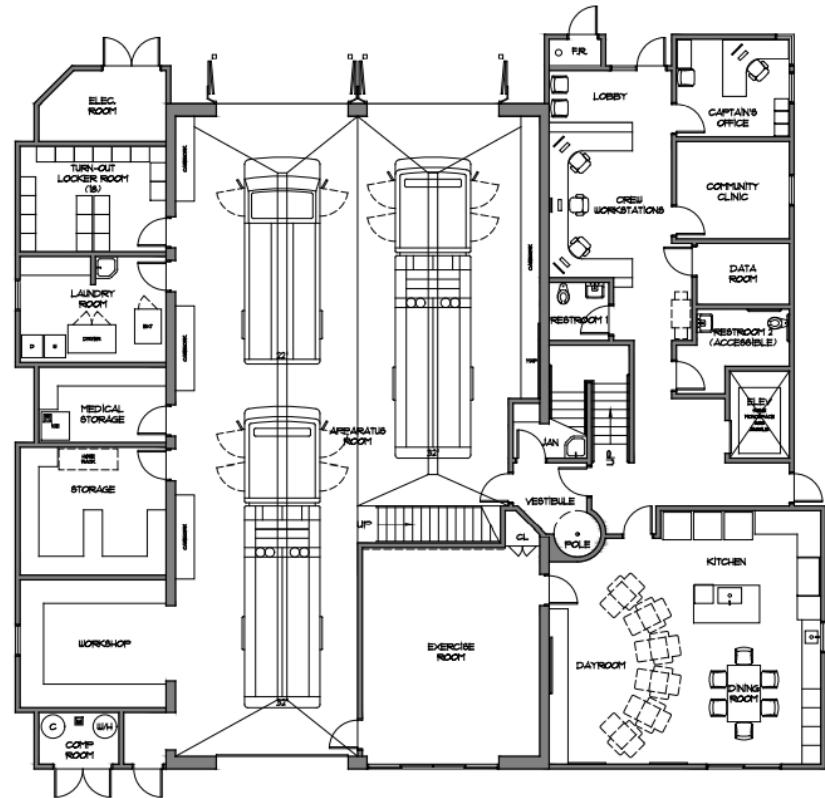


# REPLACEMENT FIRE STATION #2

## Replacement of Fire Station #2

- ✓ Meets Modern Building Standards

## Floorplan 1<sup>st</sup> Level

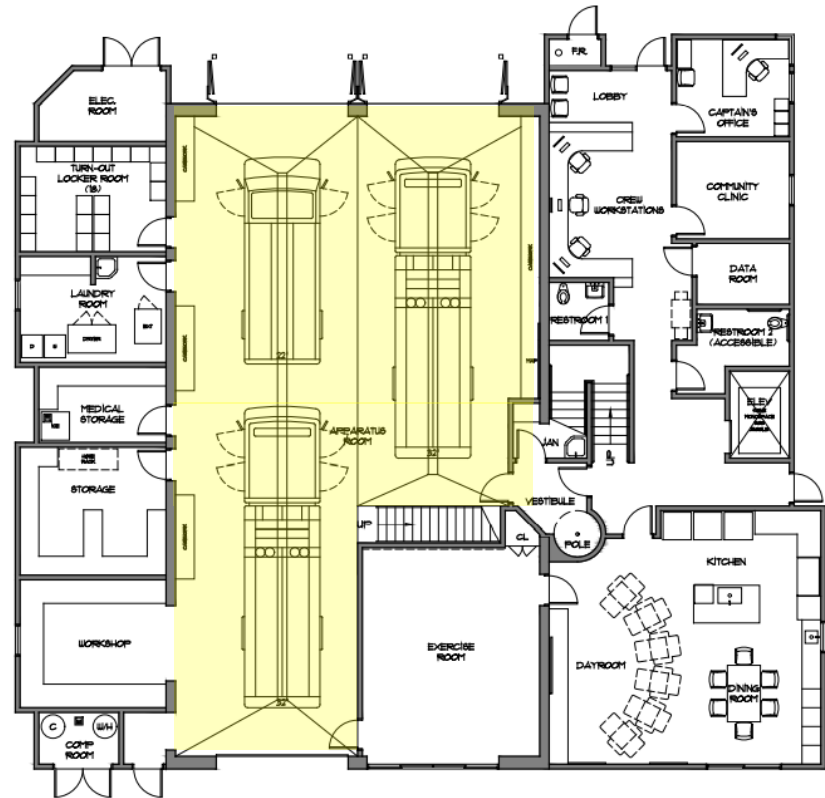


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## Replacement of Fire Station #2

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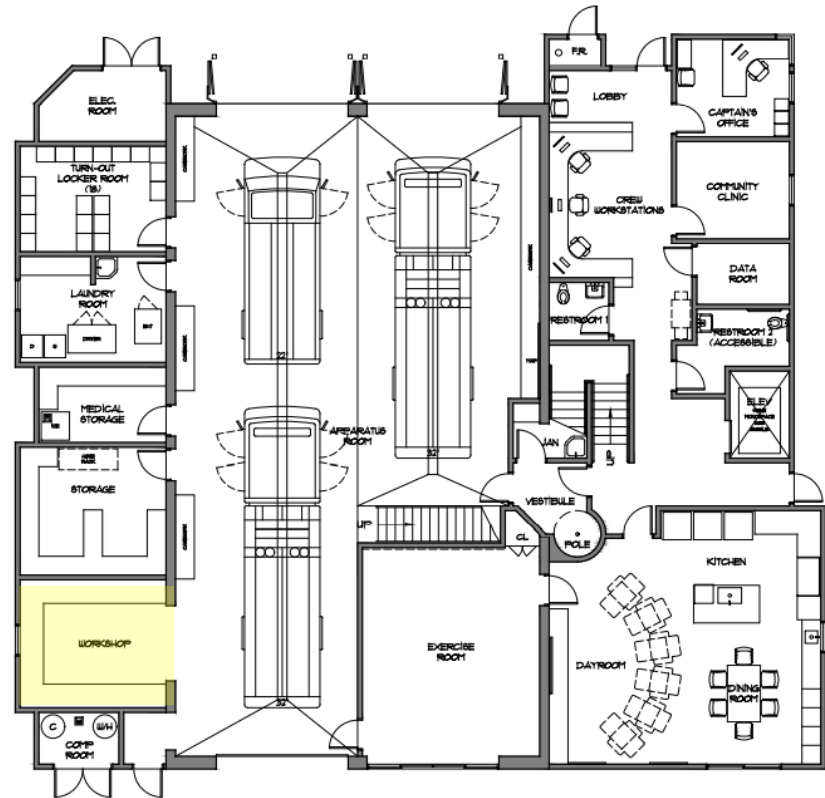


# REPLACEMENT FIRE STATION #2

## Replacement of Fire Station #2

- ✓ Meets Modern Building Standards
- ✓ Apparatus Bay Size
- ✓ Dedicated “Shop” Area

## Floorplan 1<sup>st</sup> Level



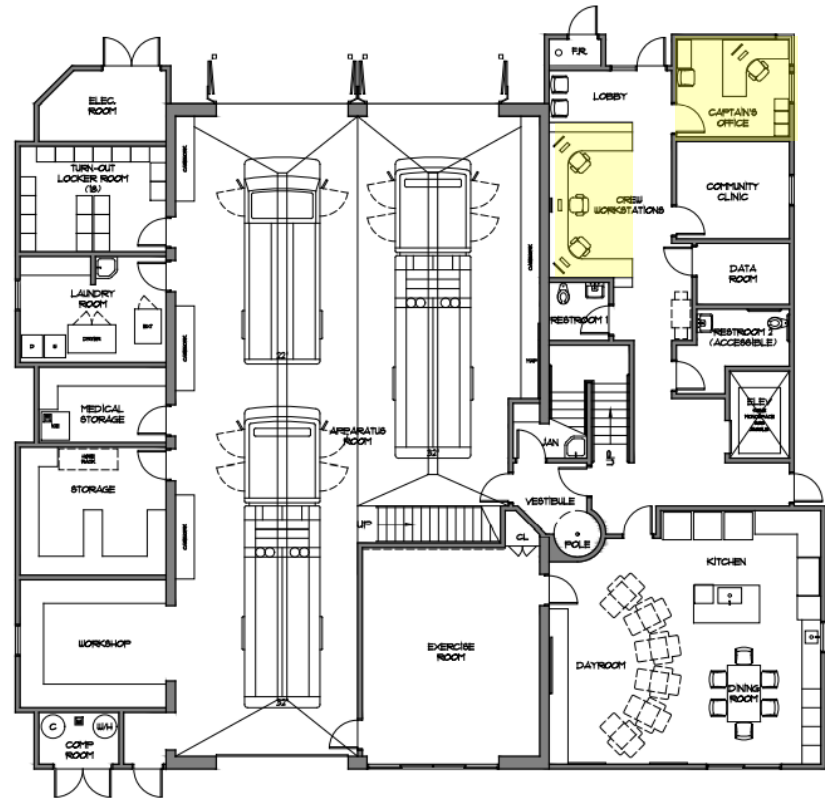


# REPLACEMENT FIRE STATION #2

## Replacement of Fire Station #2

- ✓ Meets Modern Building Standards
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- ✓ Dedicated “Shop” Area
- ✓ Administrative Office Area

## Floorplan 1<sup>st</sup> Level

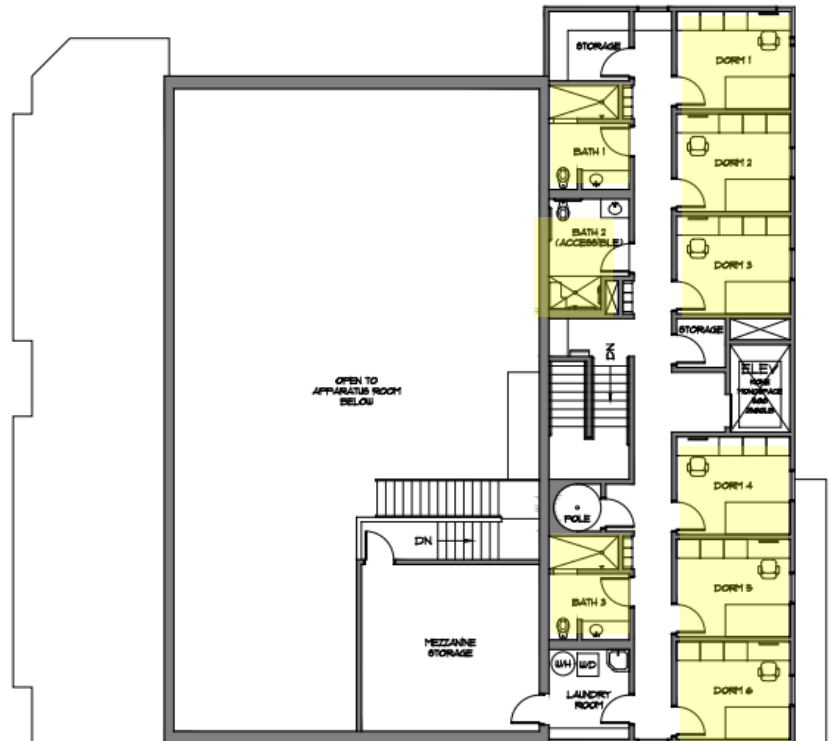


# REPLACEMENT FIRE STATION #2

## Replacement of Fire Station #2

- ✓ Meets Modern Building Standards
- ✓ Apparatus Bay Size
- ✓ Dedicated “Shop” Area
- ✓ Administrative Office Area
- ✓ Private Restrooms / Changing Areas

## Floorplan 2<sup>nd</sup> Level

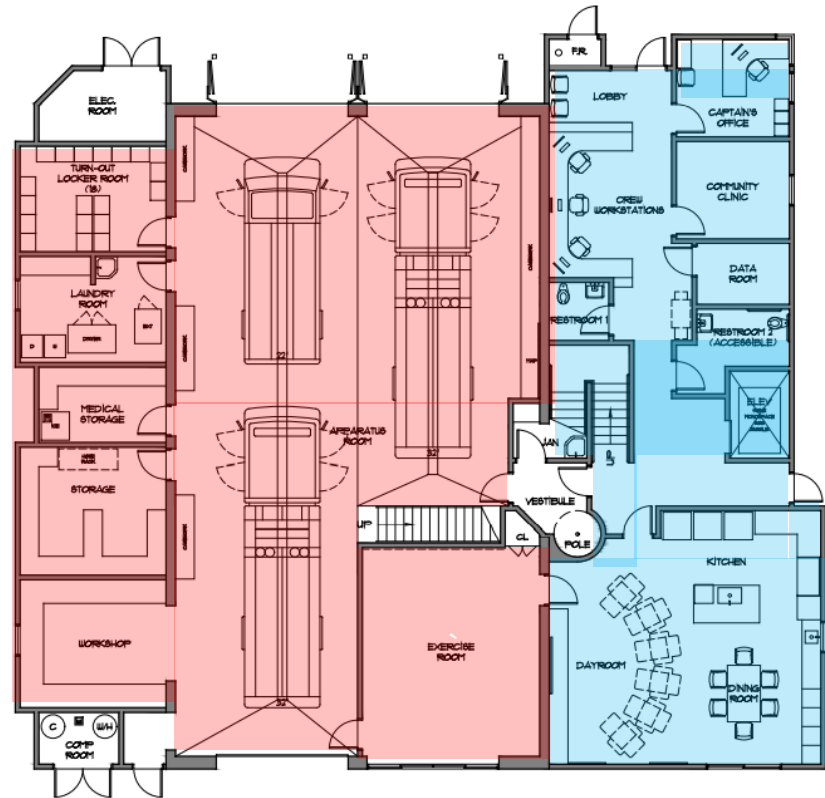


# REPLACEMENT FIRE STATION #2

## Replacement of Fire Station #2

- ✓ Meets Modern Building Standards
- ✓ Apparatus Bay Size
- ✓ Dedicated “Shop” Area
- ✓ Administrative Office Area
- ✓ Private Restrooms / Changing Areas
- ✓ Proper (Separate) Ventilation
- ✓ Turnout Area Extractor

## Floorplan 1<sup>st</sup> Level

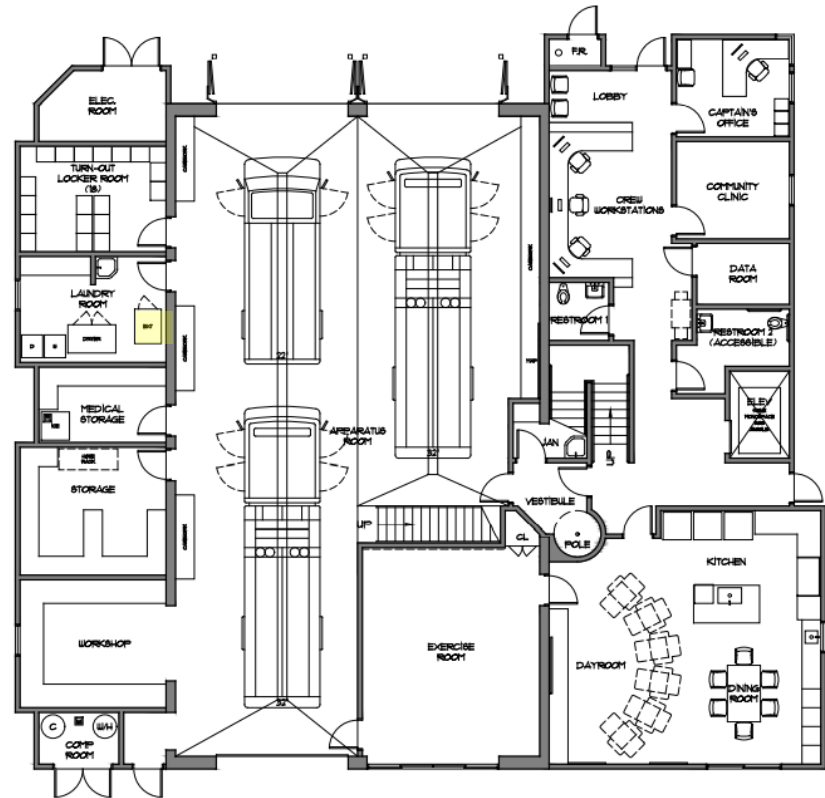


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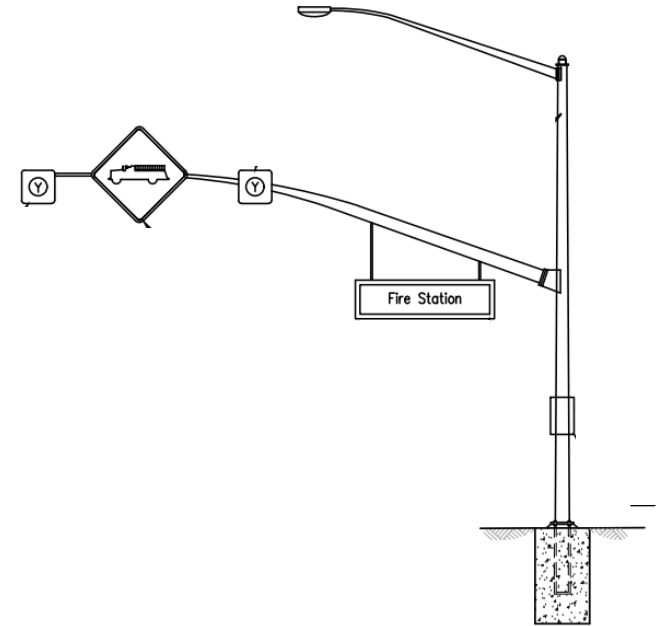


# EMERGENCY VEHICLE PREEMPTION

## Existing Flashing Beacon



## Upgraded Flashing Beacon



# QUALITY CONTROL & CONTRACT COMPLIANCE

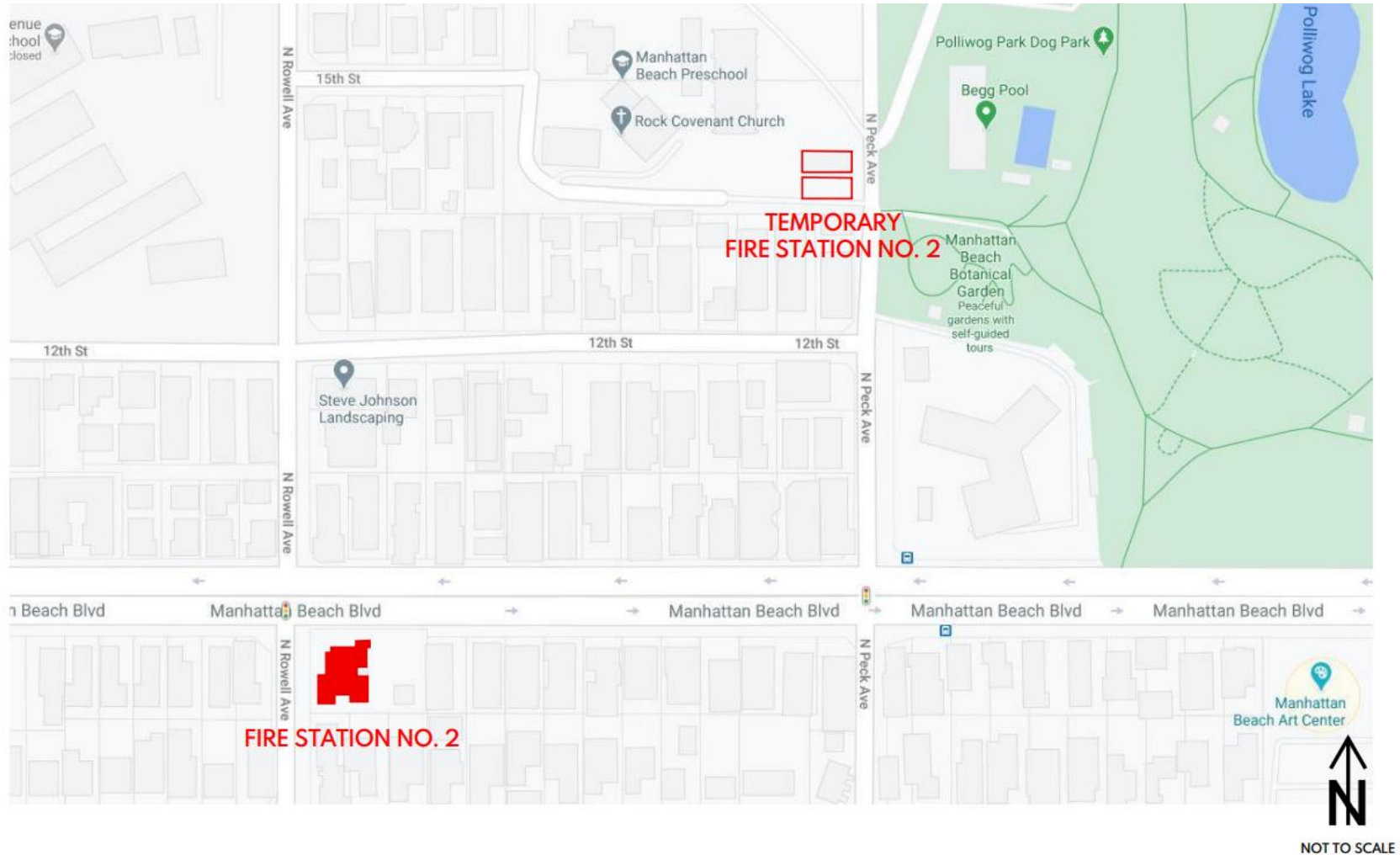
To ensure the quality of construction on the project and the contractor's compliance with the project specifications, the City will procure services for

- Special Inspection and Material Testing, and
- Full-time Construction Oversight.





# TEMPORARY FIRE STATION #2



# TEMPORARY FIRE STATION #2

## Temporary Fire Station #2

- ✓ Temporary Fire Station #2 site was previously used during construction of Station #1.
- ✓ MBFD can maintain a 5-minute response time for emergency calls



# TEMPORARY FIRE STATION #2

## Temporary Fire Station #2

- ✓ Houses 3 Firefighters
- ✓ 1 Fire Engine



# ENGINEER'S ESTIMATE

Item	Engineer's Estimate
Fire Station #2 Building / Site Construction	\$7,350,000
Emergency Vehicle Preemption	\$125,000
Construction Inspection & Material Testing	\$100,000
Construction Oversight	\$550,000
Temporary Fire Station Installation	\$275,000
Construction Contingency (15%)	\$1,100,000
<b>TOTAL</b>	<b>\$9,500,000</b>



# ESTIMATED TIMELINE AND NEXT STEPS



## Milestone

## Completion By

- Advertise for Bidding 04/2021
- Open Bids 05/2021
- Council Award & Authorize Financing 07/ 2021
- Project Funding In Place 08/2021
- Notice to Proceed #1 09/2021
- Permits Pulled 09/2021
- Notice to Proceed with Construction 10/2021
- Construction Complete w/ Move-In 07/2023



# STAFF RECOMMENDATION

Staff Recommends that City Council:

Adopt resolution to issue certificates of participation to fund the construction project to replace Fire Station #2.

