

Muncie Fire Department

Station 6 Public Hearing

October 2, 2023





Agenda

- Project History/Schedule
- Existing Facilities Study
- Response Time Study
- Design
- Budget
- Next Steps



Background Information

- March, 2021 – Public Advertisement and RFP Responses
- April, 2021 to November, 2021 – Existing Facilities Study
- December, 2021 to July, 2022 – Location Studies
- August, 2022 to September, 2023 – Design/Budgeting
- October 2, 2023 – Public Hearing
- Next steps
 - Financial Approvals (2-3 months)
 - Construction Documents/Permitting (3-4 months)
 - Construction Commencement (May, 2024)



Existing Facilities Study

- Inspections of all seven firehouses were conducted between March 2021 and November 2021
- Inspections were conducted by approximately two dozen individuals, including construction, architectural, mechanical, electrical, plumbing, and structural professionals.
- Surveys were sent to fire department leadership at each station.
- 340-page study was completed November, 2021
- Results were used for committee prioritization



Existing Facility Study

Priority Project: Station 6 – Located at McCulloch Park





Insufficient Layout for Effective Operations:

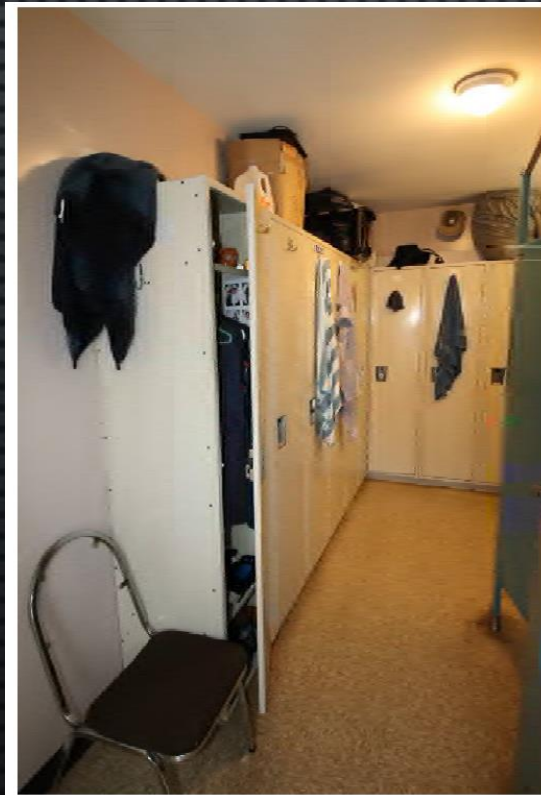
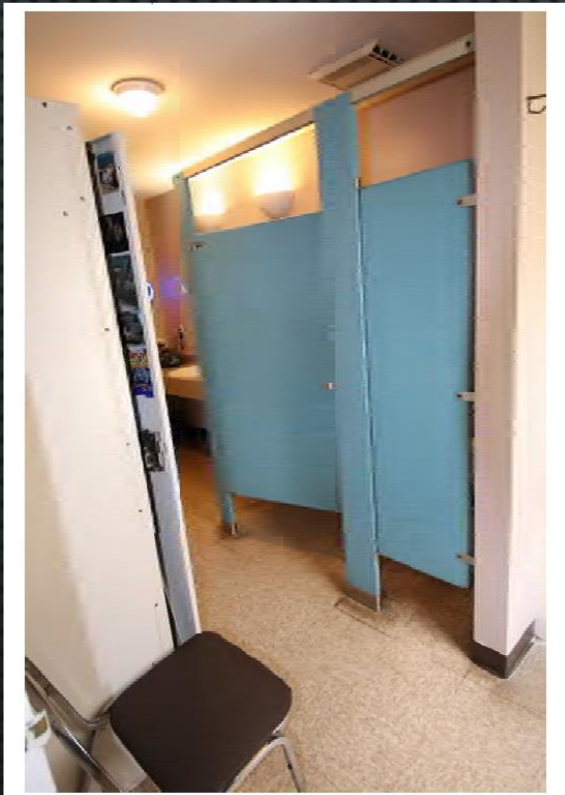
- Example: Apparatus Bay currently functions additionally as day room, fitness, gear storage, laundry, and maintenance storage
- Former residential house
- Currently 4,700 SF but 11,800 SF is necessary for operational efficiency





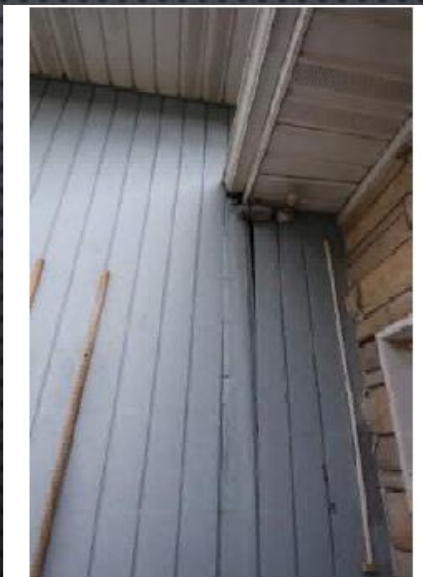
Existing Facility Study

No Separate Restrooms, Locker Rooms, or Sleeping area for Men and Women





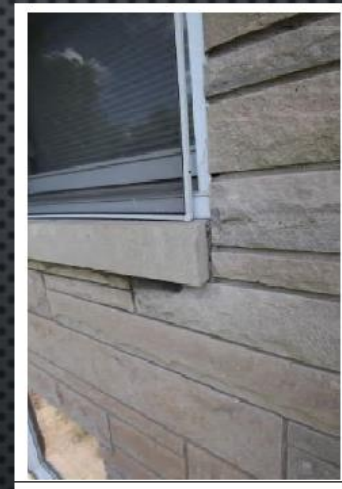
Water Damage and Evidence of Mold/Mildew Throughout





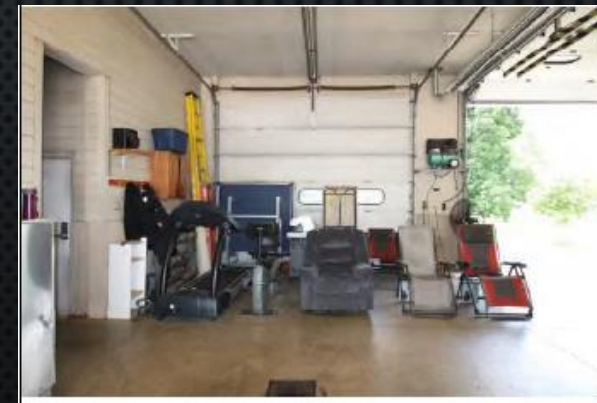
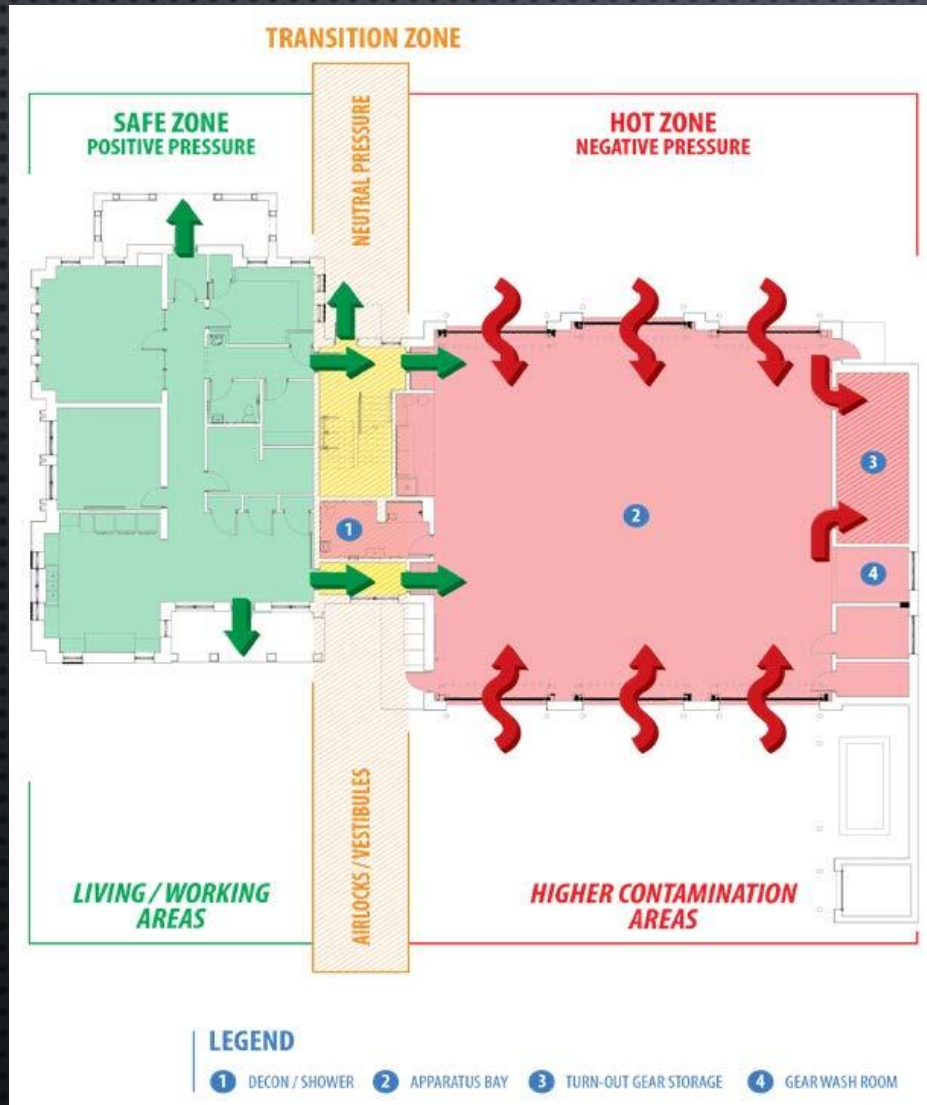
Existing Facility Study

Structural Damage Throughout





Carcinogen Infiltration





Station 6 Prioritization:

- Water infiltration and evidence of mold/mildew throughout
- Privacy concerns with bathrooms/lockers/bunks
- Structural issues throughout
- Insufficient space and floorplan for proper operations
- Carcinogen infiltration








MUNCIE FIRE STATION SERVICE AREAS

Scenario 2: Fire Station #6 Service Area

Service areas are created based on approximate drive times for emergency vehicles. Railroad crossings were considered barriers to traffic flow in the creation of the service areas.

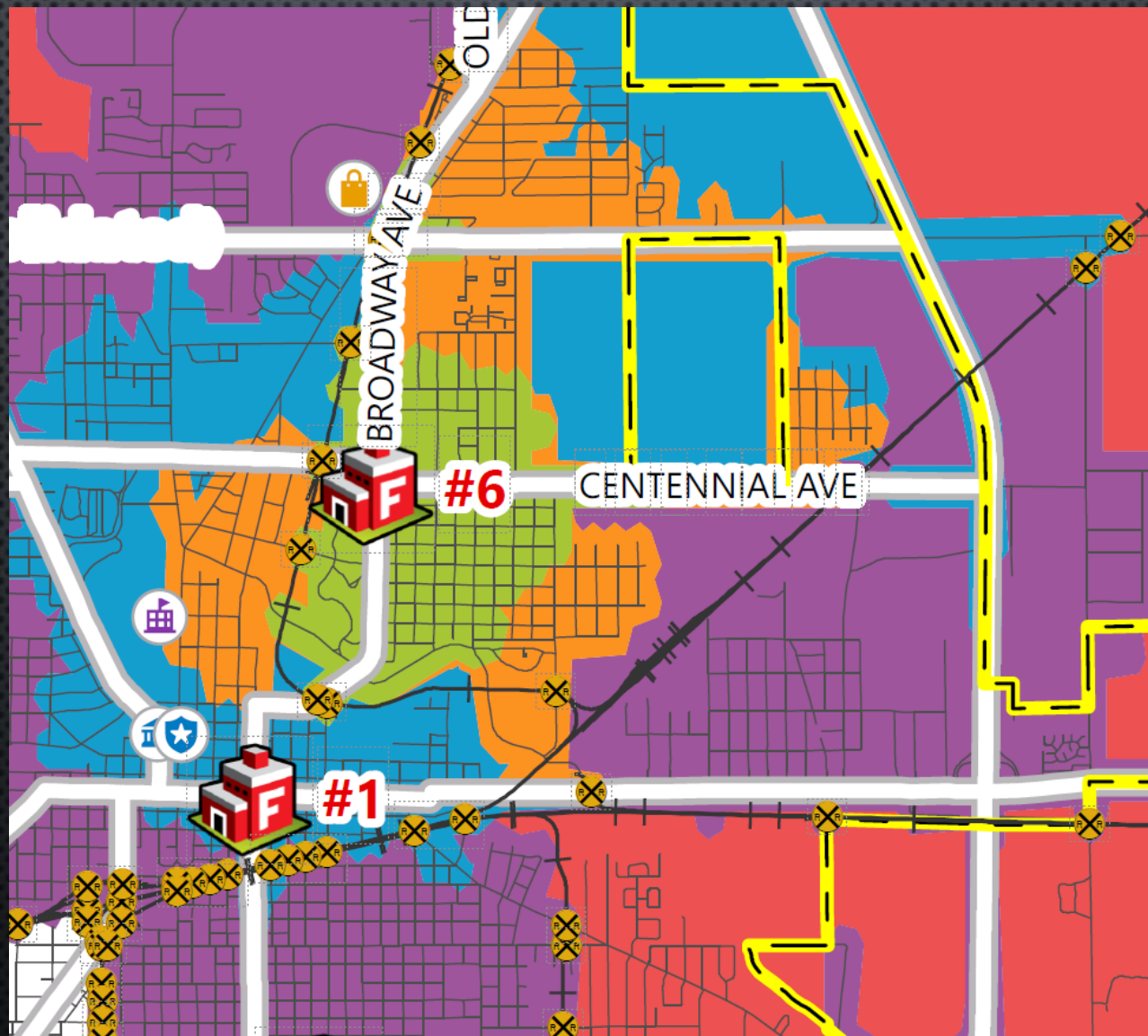
Scenario 2: Fire Station #6

	<3 min
	3-5 min
	5-7 min
	7-10 min
	10-15 min



Response Time Study

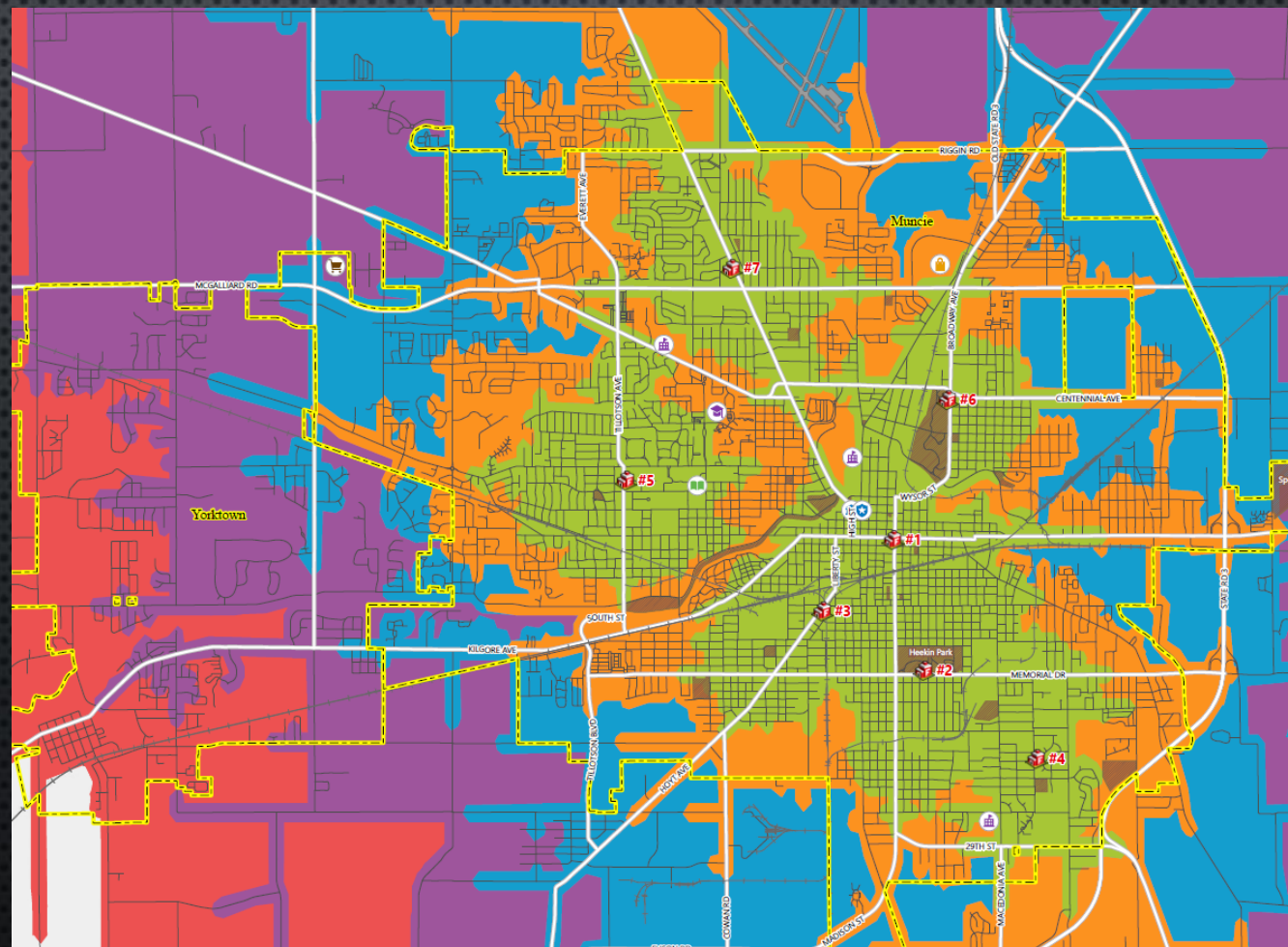
Station 6 Service Area





Response Time Study

Response Times (All Stations)



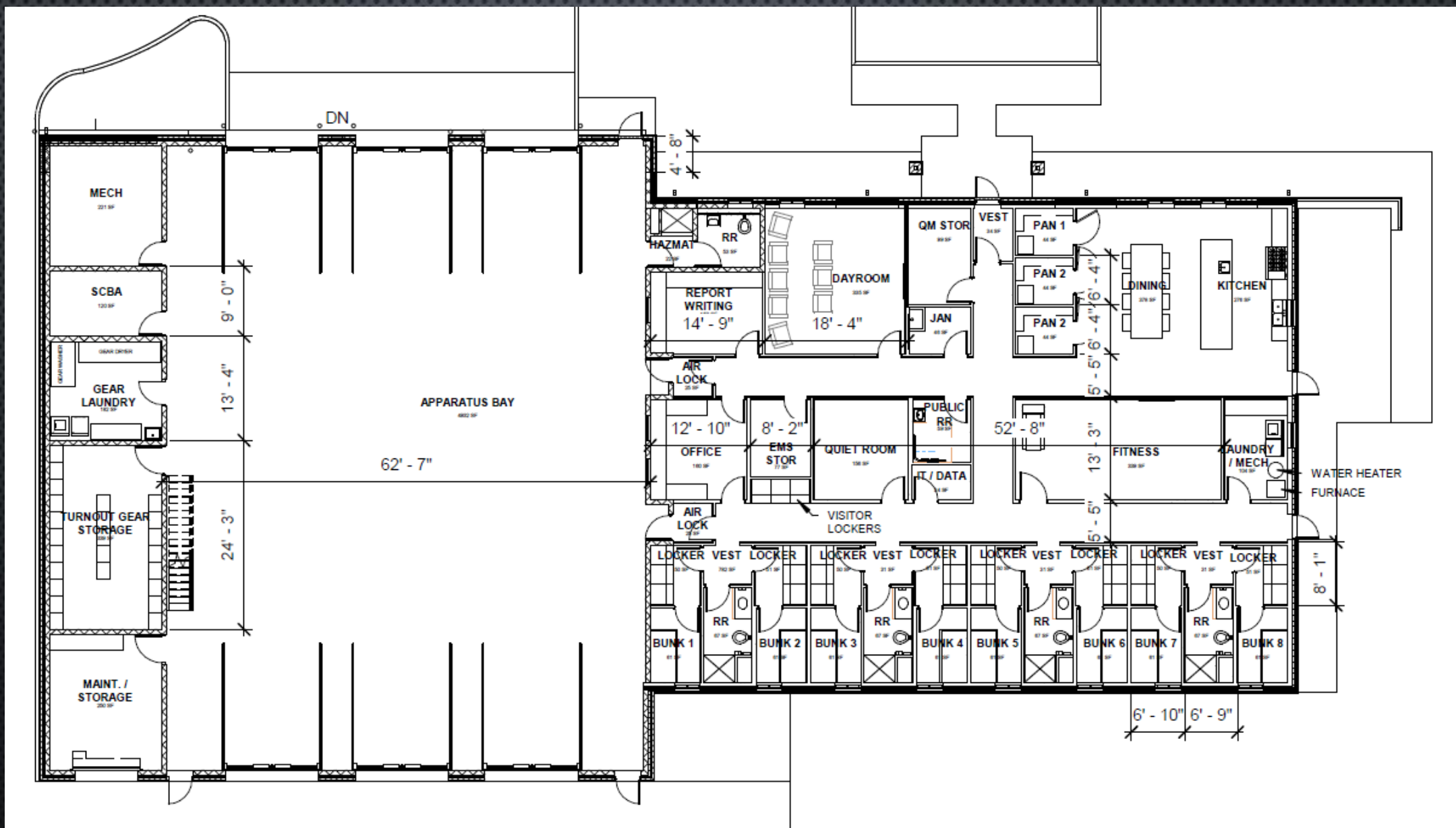


Preliminary Siteplan





Floorplan





Rendering





Budget

Firehouse 6

Demolition of exisiting firehouse	\$	50,000.00
Moving Costs	\$	3,500.00
Site Survey/Staking	\$	3,466.67
GL Insurance	\$	8,619.00
Reserved for Future Use	\$	-
Testing Services	\$	20,999.33
Survey & Layout	\$	45,188.00
Underlayment	\$	26,164.67
Masonry	\$	253,440.00
Wood Framing	\$	466,318.67
Rough Carpentry	\$	336,178.27
Architectural Woodwork/Casework	\$	145,155.40
Siding	\$	132,000.00
Thermal & Sprayed Insulation	\$	29,770.00
Roofing	\$	281,207.33
Waterproofing	\$	10,400.00
Firestopping	\$	5,806.67
Joint Sealants	\$	40,633.67
Doors, Frames & Hardware	\$	103,428.00
Glass & Glazing	\$	220,833.20
Overhead Doors	\$	198,507.75
Drywall	\$	174,650.67
Acoustical Panel Ceiling	\$	47,019.27
Flooring - Tile, Carpet, Resilient	\$	135,316.13
Resinous Flooring	\$	72,969.00
Painting & Wallcovering	\$	101,163.00
Specialties	\$	38,091.73
Reserved for Future Use	\$	-
Signage	\$	25,000.00
Window Treatments	\$	8,316.53
Reserved for Future Use	\$	-
Fire Suppression	\$	95,000.00
HVAC and Plumbing	\$	759,224.00

Electrical	\$	998,805.60
Paving/Site Concrete	\$	255,061.20
Flag Poles	\$	3,884.00
Unsuitable Soils	\$	50,000.00
Permits	\$	30,000.00
Sitework	\$	447,957.00
Civil Utilities	\$	46,143.93
Waterproofing	\$	21,259.33
Preconstruction	\$	25,000.00
CM Staffing/Direct Labor	\$	813,481.93
Project Technology/BIM	\$	19,933.33
Safety	\$	15,000.00
Construction Liability	\$	39,000.00
Performance and Payment Bonds	\$	69,333.33
Architectural Design	\$	479,925.00
Reserved for Future Use	\$	-
Builder's Risk Ins	\$	15,299.23
Furniture/Appliances	\$	85,000.00
Magnegrip VES	\$	57,000.00
Equipment	\$	71,008.60
IT/AV/APS System - Wiring and Devices	\$	104,000.00
Contingency	\$	175,000.00
Retainage	\$	-
General Conditions	\$	160,160.00
Overhead and Profit	\$	127,443.77
Firehouse #6 Total:	\$	7,948,063.22



Next Steps

Next Steps:

- 10/2/2023 – Approve project to move forward with final design and permitting
- 2-3 Months – City's Attorney/Financial Advisor creates financial plan for future council approval
- Design/Permitting/Bidding Completed in approximately March, 2024
- Early Spring, 2024 – Final documents are approved/executed
- Late Spring, 2024 – Construction commences
- Early Summer, 2025 – Construction complete