

FIRE STATION NO. 3

City Council
September 12, 2017



EXISTING FIRE STATION – BUILT 1971 5,500 square feet	PROPOSED REPLACEMENT 2017 16,100 square feet
2 TRUCK ROOM BAYS 6 FIREFIGHTERS 1 CAPTAIN	4 TRUCK ROOM BAYS 9 FIREFIGHTERS 2 CAPTAINS 1 BATTALION CHIEF POLICE SUBSTATION



SITE ACREAGE

Purchased	1.559
Existing	1.219
McCormick Closure	±0.2
Total	±2.978



Fire Station No. 3: Aerial



TXDOT Proposed
Phase II R.O.W.

Current Station
No. 3

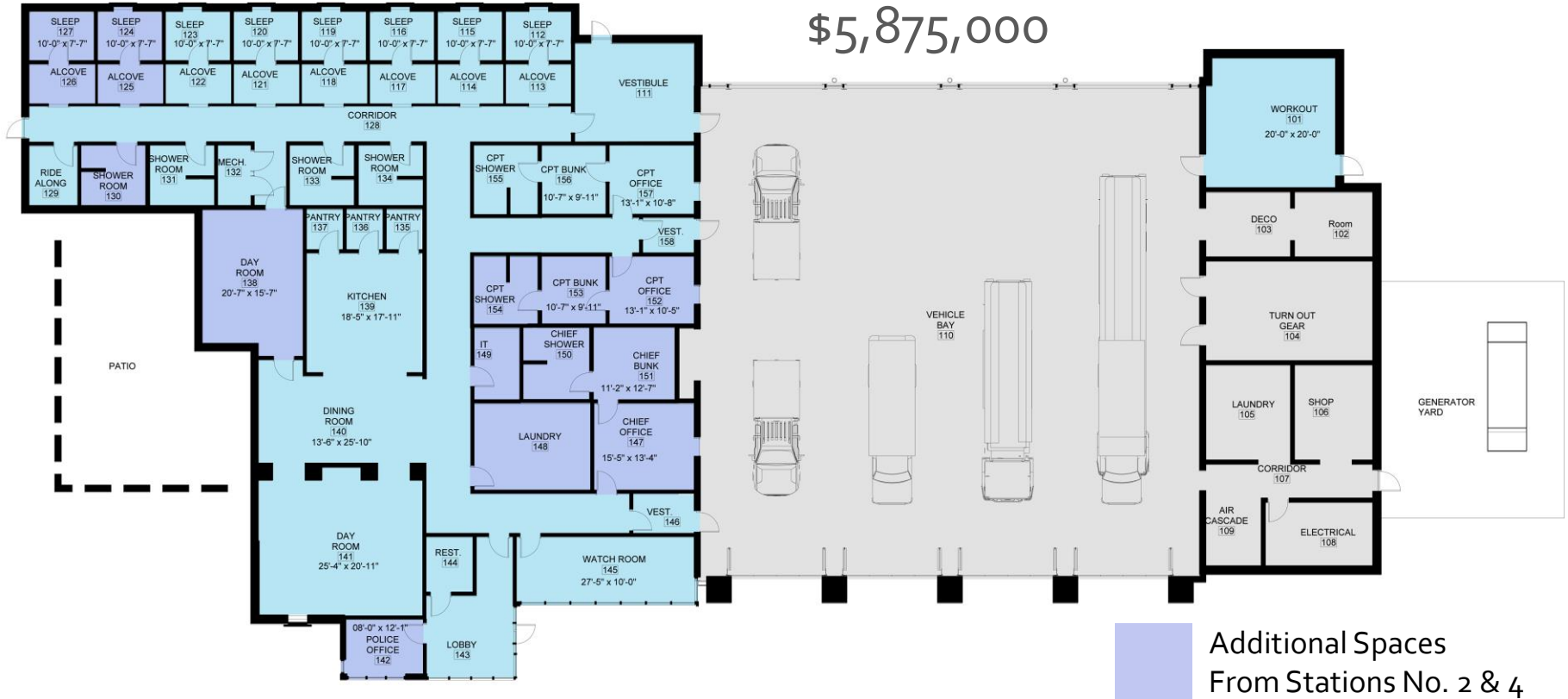
1 Site Plan
Scale: 1" = 40'



Fire Station No.3 : Site Plan

KIRKPATRICK
ARCHITECTURE
STUDIO

\$5,875,000

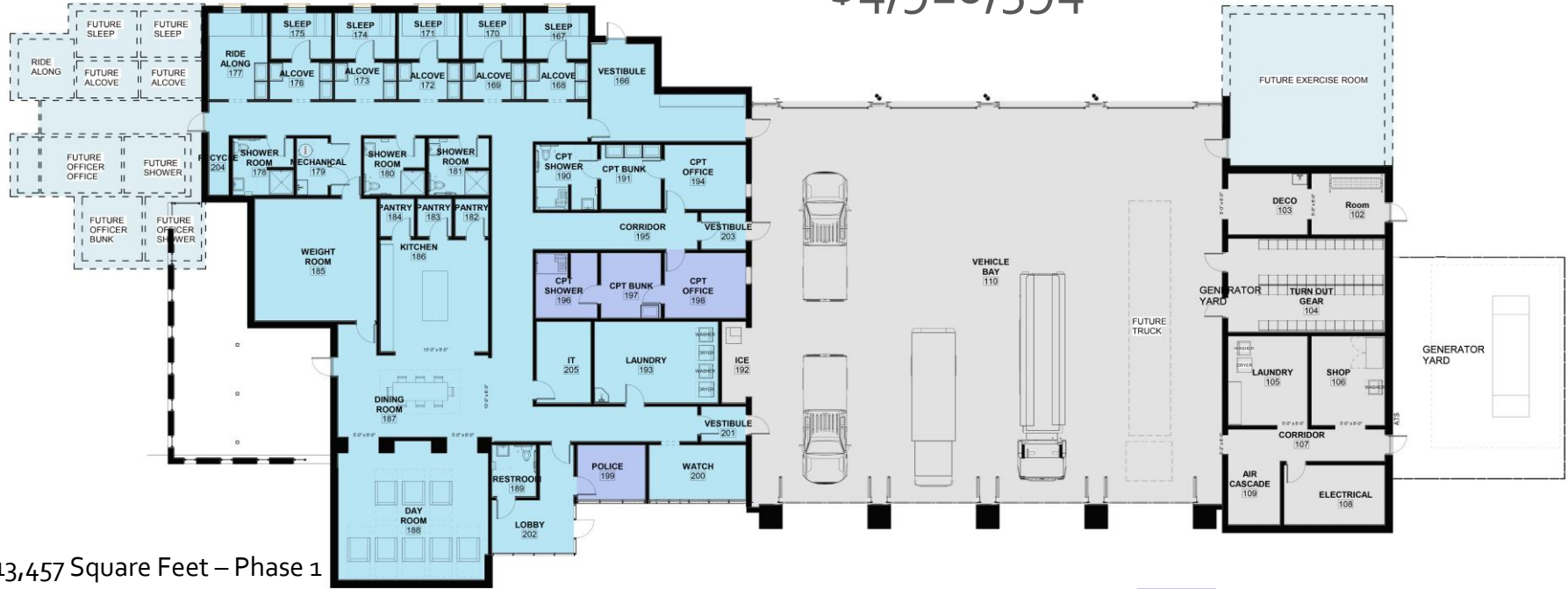


16,100 Square Feet



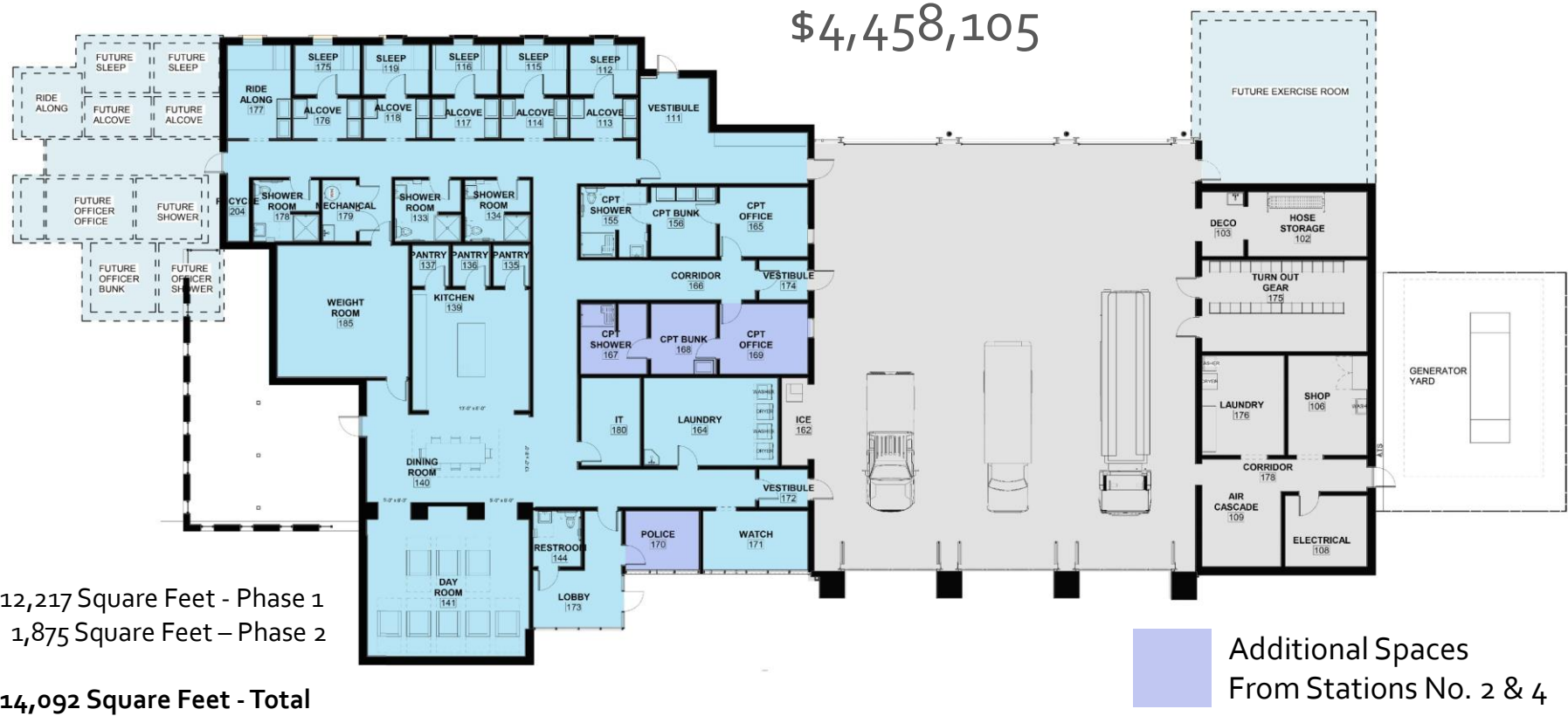
Fire Station No.3 : Floor Plan - Scope 1

\$4,910,594



Fire Station No.3 : Floor Plan - Scope 2

KIRKPATRICK
ARCHITECTURE
STUDIO



Fire Station No.3 : Floor Plan - Scope 3



Elevation A:
Included in Base Bid



Elevation B:

Increase to base by \$270,000



Opinion of Probable Cost

\$5,875,000

Structural Options		
Options	Potential Vertical Movement	Cost
<u>Option 1A – Acceptable</u> Foundation: Piers Slab: Ground Supported	Negligible Up to 1"	\$410,000 <u>Included in Base Price</u>
<u>Option 1B – Preferred</u> Foundation: Piers Slab: Structural	Negligible Negligible	+\$190,000
<u>Option 2 – Not Recommended</u> Foundation: Spread Footing Slab: Ground Supported	Up to 1" Up to 1"	-\$140,000



Fire Station No.3 : Probable Cost



Opinion of Probable Cost

\$5,875,000

Summary of Options

Base Bid – Scope 1 Foundation Option 1A Elevation A (Masonry)	\$5,875,000
Foundation 1B Architect Preferred	+\$190,000
Foundation 2 Not Recommended by Architect	-\$140,000
Elevation B Modern Scheme	+ \$270,000
LEED Certification (design)	+ \$86,000



Fire Station No.3 : Probable Cost



Opinion of Probable Cost

\$5,875,000

Summary of Cost

2014 Bond Estimate		\$8,620,000
Land Acquisition	\$1,776,780	\$6,843,220
Real Estate and Design Services	\$71,607	\$6,771,613
Design Cost (Kirkpatrick)	\$652,200	\$6,119,413
Station No. 4 and Burn Tower Transfer	\$1,272,000	\$4,847,413
Baseline Cost Estimate	\$5,875,000	
Price Per Square Foot	\$364.91	
Site Cost	\$1,379,445	
Building Cost	\$4,495,555	
		(\$1,027,587)
FF&E Estimate	\$250,000	(\$1,227,587)
Total	\$9,897,587	



Fire Station No.3 : Probable Cost



Footprint and Function

Scope 1

- 16,100 sq ft
- Original Design - Meets Facility Plan & Provides Full Capacity

Scope 2

- 13,457 sq ft
- Phased Expansion - Delayed Service Capacity

Scope 3

- 12,217 sq ft
- Phased Expansion - Reduced and Delayed Service Capacity

Facility Components

Elevation – Façade

- Masonry – Included in Base Price
- Contemporary – increase of \$270,000

Structural – Foundation

- Piers and Structural – *Acceptable*
Included in Base Price
- Piers & Ground Supported – *Preferred*
Increase of \$190,000

LEED

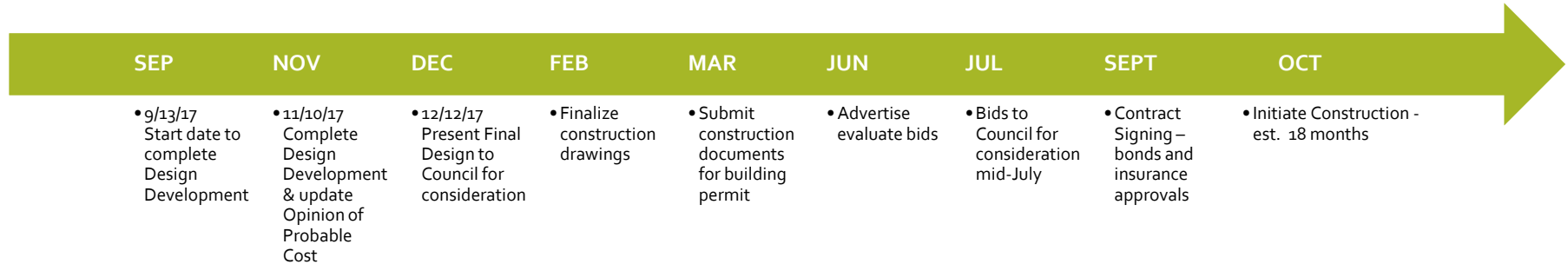
- Energy Code – Included in Base Price
- Certified Bronze - Increase of \$86,000



Fire Station No.3 : Policy Questions



Estimated Schedule - Fire Station No. 3 Project



Questions - Direction

