FIRE TRAINING CENTER PHASE 3

Scope: Construction of a 6,100 s.f. indoor training classroom building, 1600 s.f. pre-engineered metal storage structure, outdoor classroom, industry prop which simulates a fire similar to what would occur inside a refinery for training purposes.

Justification: The Fire Department Fire Training Center Master Plan outlined the need for a facility where Fire staff could train for possible fire events that could occur in heavy industry.

Project Manager: Juan Macias, PE, CFM

Designer: Hart Gaugler & Associates, Tovani Hart Architects, Abercrombie & Assoc.

Contractor: Comex

Budget Info:

	Budget	Encumbered	Change Orders	Actual
Prelim. Eng.				
Land				
Engineering	$674,184.00	$594,642.66		$674,184.00
Construction	$7,438,000.00	$6,224,931.39	$187,039.52	$7,625,039.52
FF&E (FY21)				$ 100,000.00
Contingency				
Total	***$8,112,184.00***	***$6,819,574.05***	***$187,039.52***	***$8,299,223.52***

Schedule Info:

	Base Line	Current
Design Start	May 12, 2017	May 12, 2017
Bid Start	April 4, 2019	April 4, 2019
Construction Start	July 15,2019	July 15, 2019
Construction Completion	Oct 7, 2020	Dec 16, 2020

Highlights:

Training Classroom Building: Exterior masonry, MEP, interior framing, HVAC, ceiling tile has been completed. Interior is 92% done. Work continues on interior finishes such final paint, flooring, and plumbing fixtures.

Pre-Engineered Metal Storage Structure: Metal frame and exterior wall sheeting has been completed. Electrical work ongoing.

Industry Prop: The industry prop has been erected. Work for piping, stairs, and deluge system to begin in the coming weeks. **Possible change related to fire suppression on prop, substituting fire insulation with water deluge system. This will reduce O&M costs.**

Site Paving: Paving is complete. Work continues on water training reservoir.

Work continues on water training reservoir.

Coordination with CenterPoint for electrical and gas is ongoing.

An analysis of the impact of the water demand on the City's water system was undertaken to see if there would be any adverse impact. Based on the analysis no adverse impact is anticpated.

Karilla - Coordinating the date when the fire specialty contractor will be coming on site and fabricating controls and piping for the gas fuel feds for fire ignition for training points.

Change Order No.1: Approved on April 1, 2020.

- Damaged conduits have been repaired.
- Water Meter/Vault and back flow preventer installed.
- Curb inlet box flowline has been revised to ensure positive drainage.
- 24 Concrete Pilasters for the Fire Prop were placed with additional foot in height to provide the necessary clearance between the top of pavement and bottom of fire props.
- FDC has been relocated from north wall of indoor classroom building to the north side of the mechanical yard as per the Fire Marshall's request per access.
- Secondary flashing at base of exterior classroom building wall to seal exterior sheathing to concrete has been completed.
- Additional wall stiffening bracing to reduce wall movement was added to training classroom building.

Change Order No. 2: Approved on July 11, 2020.

- Added 4 stairs to industry prop, elevated grate walkway, and handrails to fire training structure.
- Added a check valve at the fire riser per Fire and Building Code.
- Added a water training reservoir, pumps, and extension of waterline.
- Added conduit for emergency shut down of liquid petroleum tank to control tower.
- Added concrete Pad for electrical equipment outside of pre-engineered metal storage building.
- Elimination/Deduction of landscaping & irrigation system, one indoor fan, one outdoor fan, substitution of rubber baseboard in lieu of wood baseboard.

Upcoming work:

- Continue to complete change order work, ongoing construction.
- **Resolve/Coordinate industry prop and Karilla for fire and deluge system**
- Coordinate with IT on install of IT related infrastructure in indoor classroom building.
- Review scope and cost of landscaping with Parks, prepare schedule for installation.