



**Tommy Abercrombie, PhD**

Principal + Owner

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tommy@abercrombiedesign.com

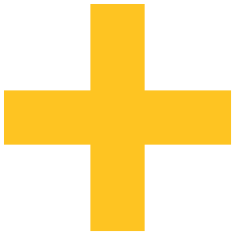
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# Company Profile

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abercrombie  
PLANNING+DESIGN

abercrombie Planning + Design is a planning and design consulting firm that specializes in the research, programming, and design of state-of-the-art public safety training facilities.

Providing services from initial research and programming to overseeing design concepts through to construction, abercrombie Planning + Design works with a select group of architects, engineers, and designers to provide an unprecedented array of specialized professional experience.

Owner/Principal Tommy Abercrombie, PhD started abercrombie Planning + Design on the idea that successful design solutions come from a strong understanding of the human elements of design. A professional firefighter and higher education administrator for over 20 years, Dr. Abercrombie brings a unique understanding of the public safety training environment. This experience, combined with his research background in Human Environmental Science-Architectural Studies, allows him to clearly understand the design problem while creating solutions that redefine the standard in public safety design.

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## Small Firm-Large Network

All too often the person who makes a firm desirable for a project is not the person you end up working with. We believe you hire us for the unique background and experience of our key players and thus you should have the expectation that these key players will be involved with your project throughout. The global reach of our selected partners provides the ability to handle large scale projects with the personal attention of a small firm.

### Research

abercrombie Planning + Design utilizes a strong research background to generate verifiable data that becomes the foundation of any project. This information ranges from complex needs analysis to business and operational planning.

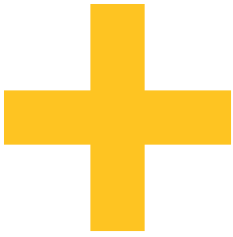
### Programming

Many times the most overlooked aspect of a project, programming is crucial to a successful design. Too often the process becomes a repackaging of information the client already knows. abercrombie Planning + Design utilizes a unique programming process that defines and clarifies the functional requirements of the proposed facility. This process yields a much stronger foundation for the design development effort and ultimately improves the usability of the constructed facility.

### Design

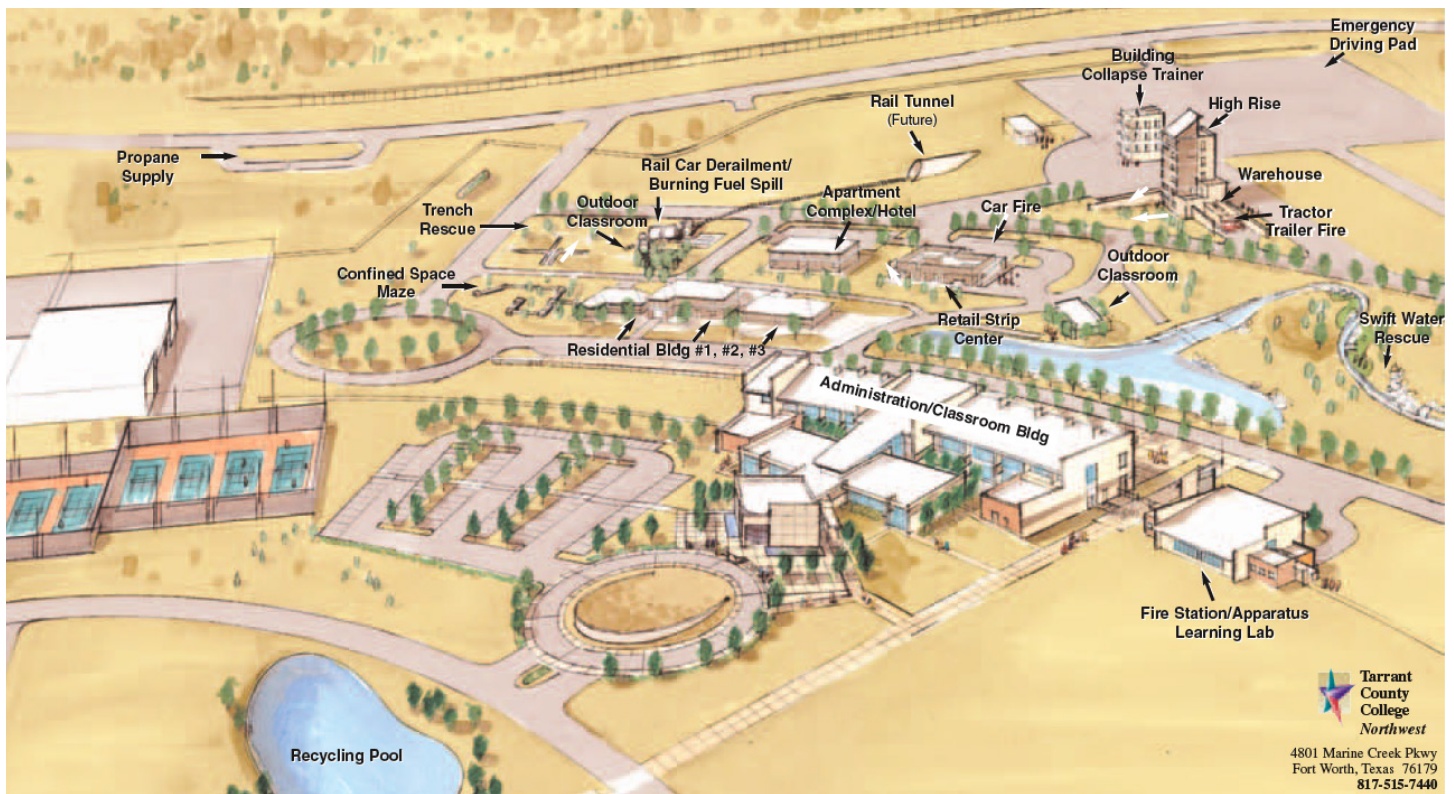
From initial concept design to working with design architects through to construction, abercrombie Planning + Design has a proven track record of producing innovative and successful design collaborations that exceed the clients expectations. We believe each project is unique and strive to respond to this belief by avoiding the pre-packaged design approach too often utilized.





# Project Profiles

## TARRANT COUNTY COLLEGE Fire Service Training Center



## Redefining the Art

The 20 million dollar Fire Service Training center redefined what it means to be state-of-the-art. The totally integrated technologically advanced facility combines high tech classrooms with a realistic urban disaster village to create a new model for training in context. The highly successful project represents the finest in public safety training design available today.

# TARRANT COUNTY COLLEGE

## Fire Service Training Center

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From a rail car derailment spilling burning fuel to a raging man made river, the all hazards approach to realistic training has proven to be incredibly successful in training responders to deal with emergencies in an increasingly uncertain environment.



### Team Work

The realistic nature of the village design allows for multi company training that forces students to accomplish task in a real time environment that looks and feels like that of an actual incident. Technology behind the scenes contributes to recreating the uncertainty of real life.



### Safety

Safety is paramount in training and no student should be placed at risk for the sake of realism. The combination of state-of-the-art technology and ground breaking design make TCC one of the most realistic yet safest training facilities ever built.



### Technical Rescue

The unique urban village provides amazing opportunities for technical rescue training and includes trainers for high angle, trench, confined space, structural collapse and swift water rescue operations.



## TAIWAN National Fire Agency

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abercrombie Planning+Design consulted with the National Fire Agency of Taiwan in the initial planning and concept development of their recently completed National Fire and Rescue Training Center. This multi acre all hazards training facility is one of the largest and most technologically advanced training facilities in the world and represents a major step in increasing the countries ability to deal with emergency incidents both large and small. abercrombie Planning+Design provided technical advisement to the design team in the early stages of the project and continues to provide operational assistance and advisement now that the facility is operational.



# BAYTOWN FIRE RESCUE

## Fire Training Center

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Strategic Business Plan and Master Plan for proposed facility to include municipal, industry, and marine training facilities.



Phase 1 Residential Burn Building

Abercrombie Planning+Design began working with Baytown Fire and Rescue in 2008. Abercrombie Planning + Design developed a Strategic Master Plan for a new training center to be constructed on land donated by Exxon Mobile. The plan includes both structural and industrial training props to serve both the fire department and the high concentration of industrial sites in the area. Phase one included infrastructure and a 2 story residential live fire burn building. Phase 2 is under construction and will add an outdoor classroom and industrial rescue-training tower.



## CALIFORNIA EXERCISE SIMULATION CENTER

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abercrombie Planning + Design led the development of a first of its kind emergency management exercise and incident simulation center under a grant from the California Office of Emergency Services. CAL-OES was actively looking for opportunities to expand emergency management training opportunities while reducing overall cost. The State-of-the-Art facility was designed to take advantage of multiple simulation models and programs and to be easily expanded as new technology becomes available.





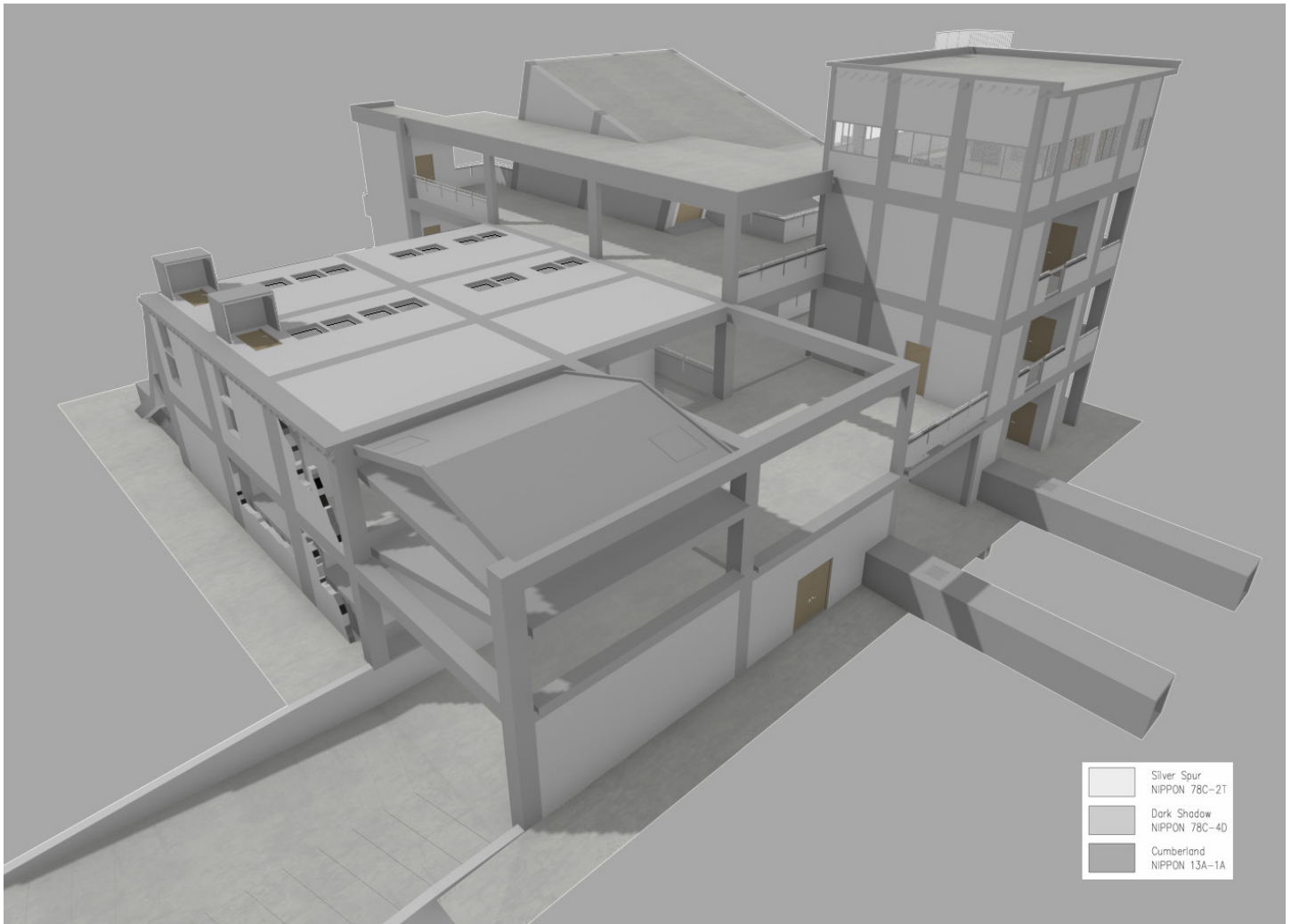
CALIFORNIA FIRE RESCUE TRAINING AUTHORITY  
Urban Search and Rescue Training Facility  
California Office of Emergency Services  
Sacramento Metropolitan Fire District  
Sacramento Fire Department

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# HOME TEAM TACTICAL TRAINING CENTER Singapore

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Urban Search and Rescue Training Facility for the Singapore Civil Defense including multiple collapsed structures and hazardous materials simulations



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY  
Metro Transit Police Department District II Substation and Training Facility  
Washington D.C.

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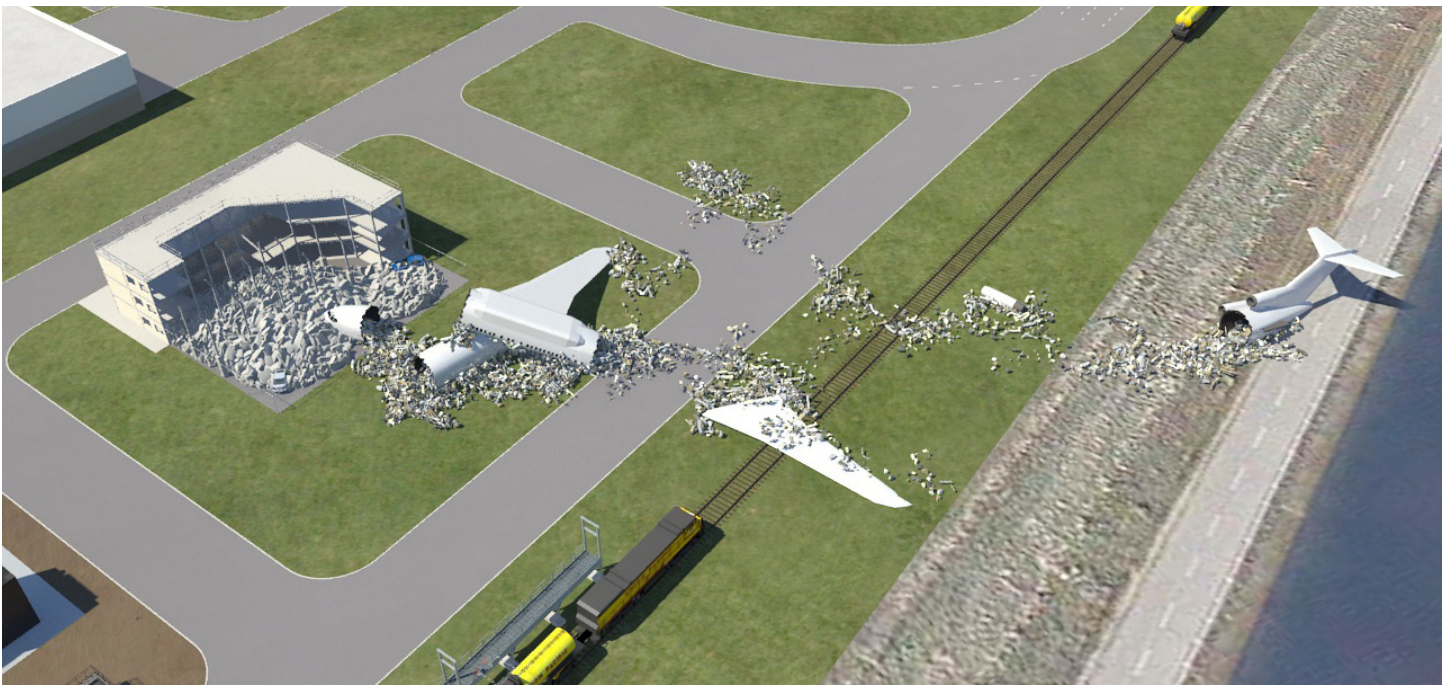
# SACRAMENTO METROPOLITAN FIRE DISTRICT

## Fire Training Center

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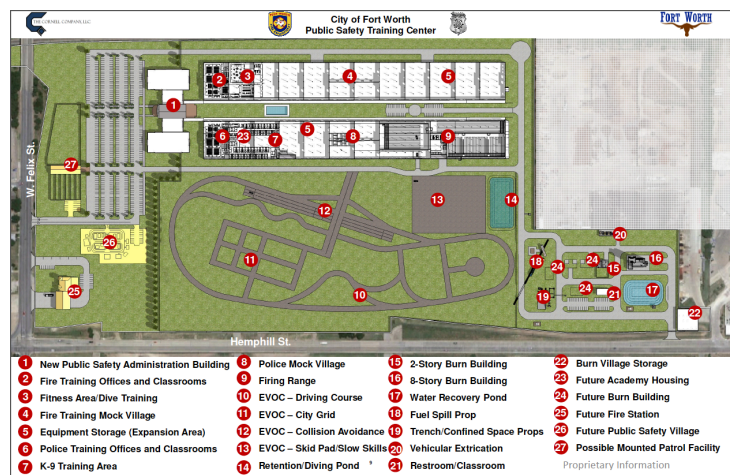
Strategic Business Plan and Master Plan.





# FORT WORTH PUBLIC SAFETY CAMPUS

## Fort Worth, Texas



Planning for a new police and fire training center and headquarters had been ongoing for over 5 years with little in the way of progress. Estimates for the project were in excess of \$250 million and requirements for land had grown increasingly forcing consideration of sites far from the center of this rapidly growing city.

When Dr. Abercrombie took over the project as the city's owner representative he reexamined training needs and requirements and discovered the cost of the project had ballooned based on old information and outdated approaches to training and training facilities. By repurposing two historic federal depot warehouses and the adjacent acreage near the city core, the project gained over 500,000 sq. ft. of usable space at a drastically reduced cost to the city. Modern training and building systems allowed for increased training effectiveness with less cost to the user.

The resulting facility includes state-of-the-art police training areas including 4 indoor weapons ranges, a realistic 40,000 sq. ft. indoor tactical training village, emergency vehicle driving course, bike officer course, driving and live fire simulation rooms and a large defensive tactics area. Fire training areas include a 40,000 sq. ft. warehouse training area, an 8-story high-rise trainer, a 2-story residential Class A burn building, a unique urban search and rescue training area, and a dive rescue training pool.

## TEMPLE FIRE RESCUE Temple, Texas

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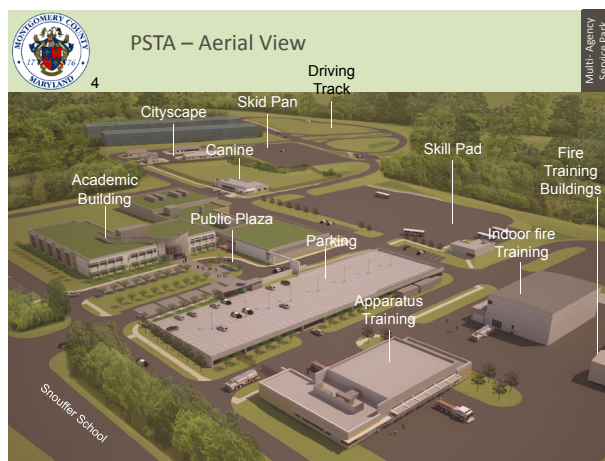
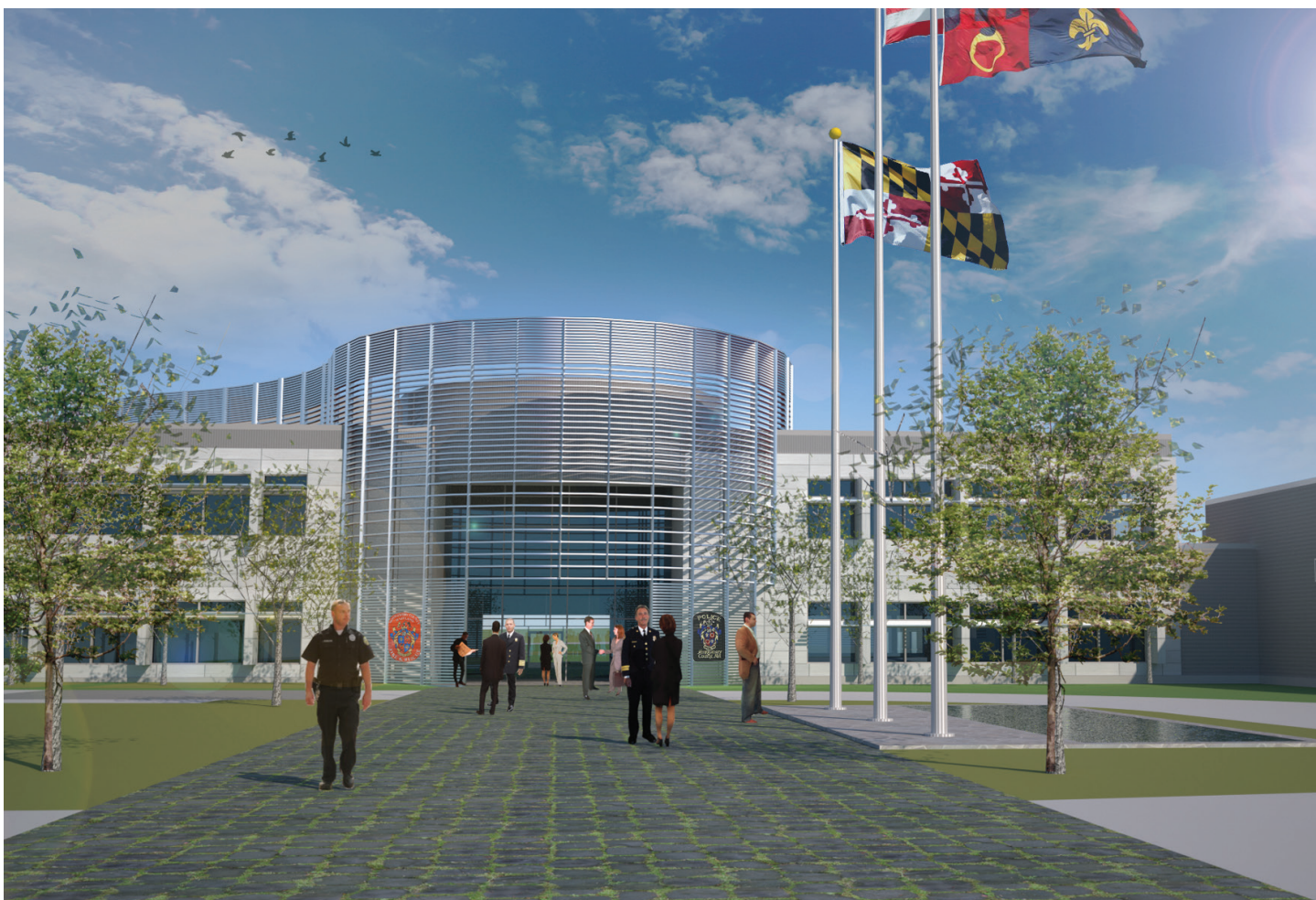


### Fire Station #8 and Training Center

Abercrombie Planning+Design developed a master plan for Temple Fire Station 8 and Training Center to be constructed on land provided by the local airport authority. Abercrombie Planning and Design was also the public safety design consultant as the project moved to design and construction. Phase one included living quarters for the fire station on one side of the truck bays and classrooms and offices for the training center on the other side. The facility also included a new EOC for the City. Phase 2 included the construction of a 3-story live fire burn tower with supporting infrastructure, and also included an apparatus building to be utilized for training support.



# MONTGOMERY COUNTY MARYLAND Public Safety Training Academy





# WASHINGTON STATE PATROL Fire Training Academy

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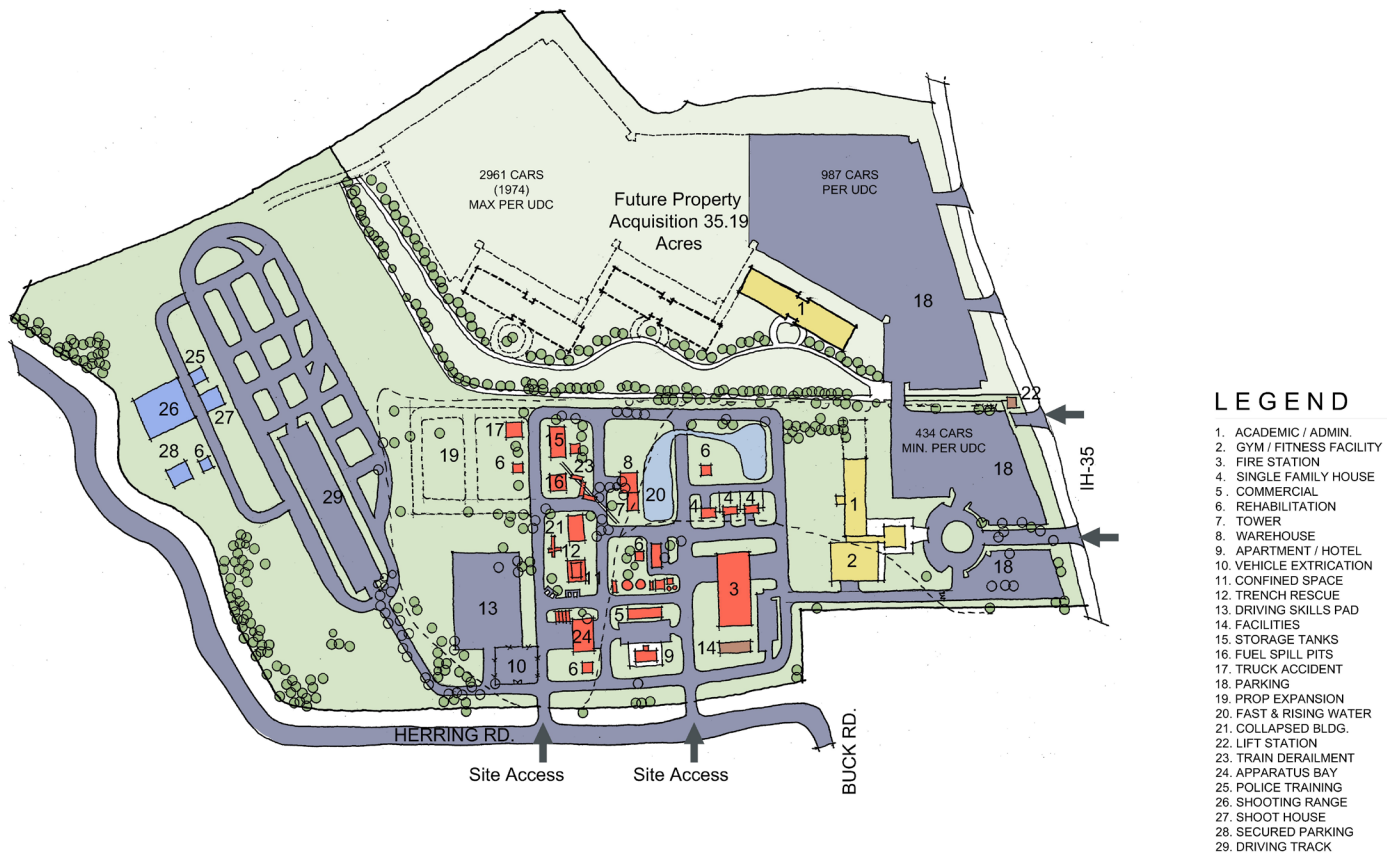


Master Plan and Strategic Business Plan



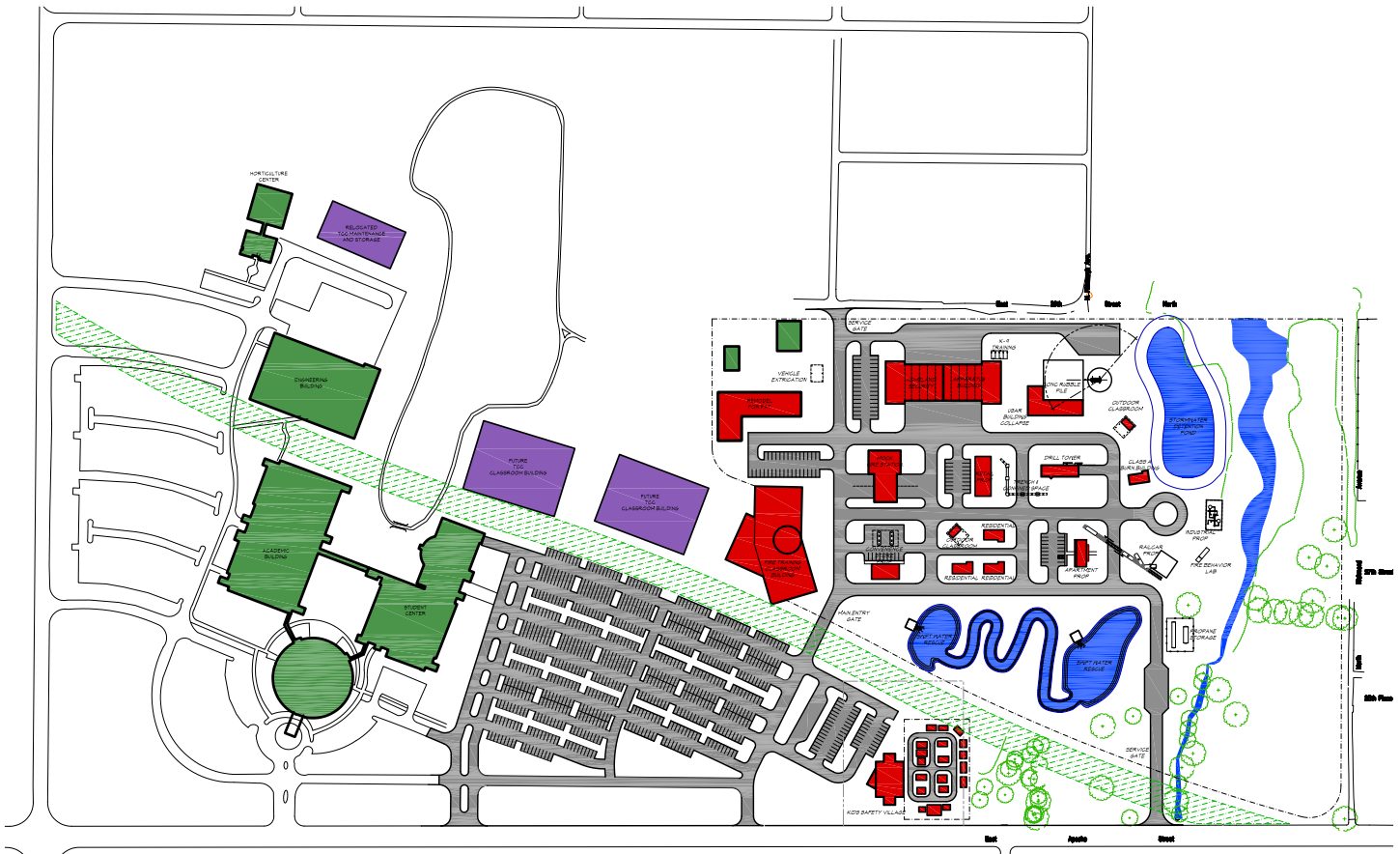


# SAN ANTONIO COLLEGE First Responders Academy



Strategic Business Planning, Master Planning, Water Analysis and Design Development Consulting for a multi-phase Police and Fire Training Center.

# TULSA FIRE DEPARTMENT/TULSA COMMUNITY COLLEGE Regional Fire Training Center



## Project Overview

Multi-phase regional fire and homeland security training facility. Initial phase is approximately 12 million with construction to begin in 2010. Phase two is approximately 17 million and should allow for the continuation of construction without interruption.

## Tulsa Fire Department

Partnering with a local architect on all aspects of design process from initial concept and programming to the development of construction documents and construction oversight.

## Tulsa Community College

Contract with Tulsa Community College to represent college design interest during development of new facility. Contract also includes development of business and operational plan for new facility including partnering model and curriculum outline.



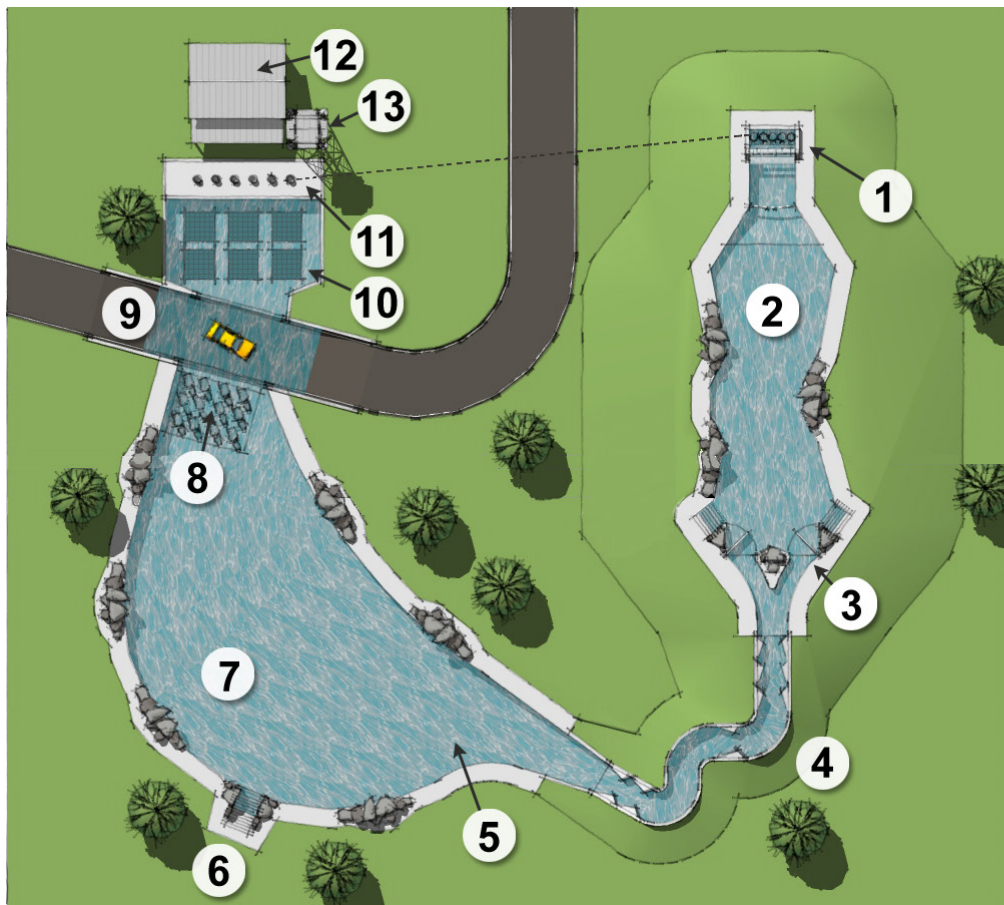
## MIAMI-DADE COUNTY FIRE DEPARTMENT



Worked closely with fire department to redesign 30 plus million dollar training facility on 5 acres. Site was originally designed by a firm that walked away from the project. The facility was not functional as designed and had to be completely redesigned on a compressed time frame. Redesign exceeded clients expectations and construction will be complete in 2010. The new facility will provide outstanding and realistic training for a department of over 2,400 despite the difficulties of designing for a small site and under the pressures of a tight schedule.



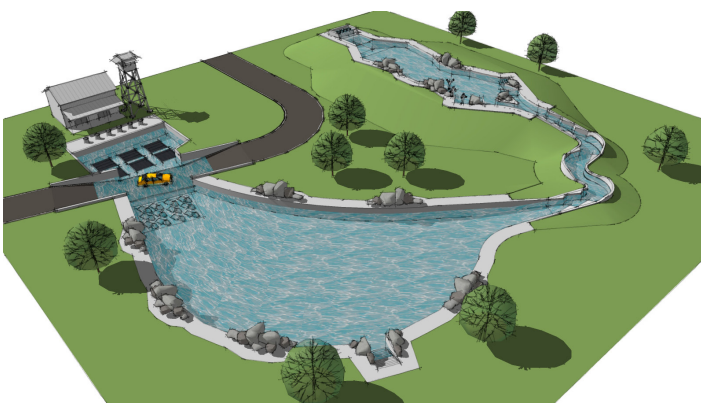
# SAN ANTONIO FIRE DEPARTMENT Swiftwater Training Facility



## LEGEND

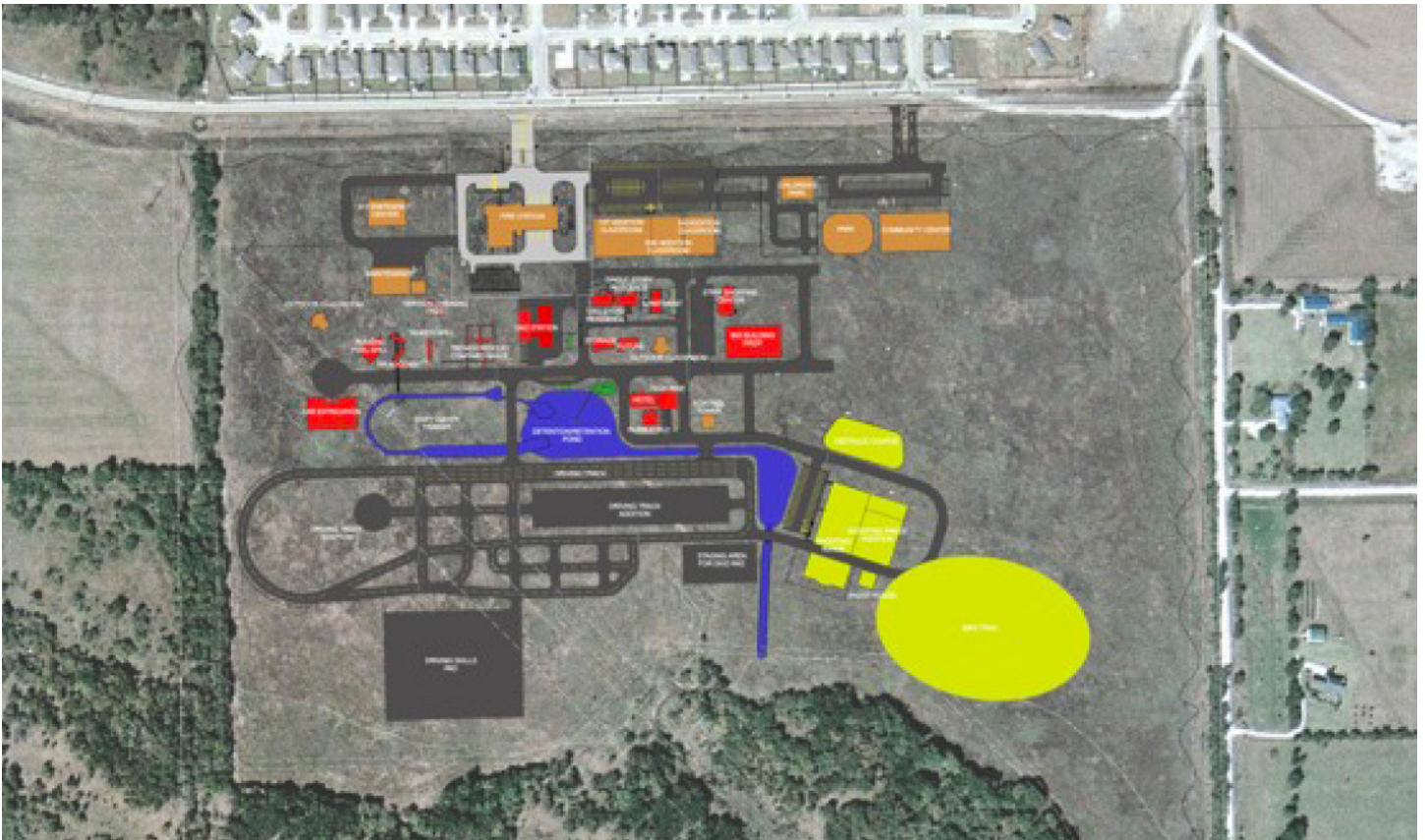
1. Low Head Dam/Hydraulic
2. Upper Pool/Current Swim/Wading Area
3. Water Diversion Gates/Stainer
4. Defensive Swim/Accelerating Chute
5. Swift Water Current/Throw Bag Area
6. Lower Pool Walkout
7. Lower Pool/Wading Area
8. Fixed Obstacle Bottom
9. Low Water Crossing/Small Low Head Dam
10. Water Return Pool/Swimming Area
11. Pumps
12. Equipment / Motor Control Building
13. Observation/Control Station

Feasibility Study and Conceptual Design for the Proposed San Antonio Fire Department Swift Water Training Facility.

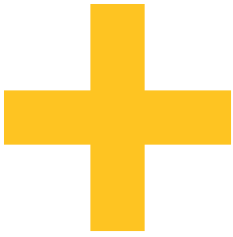


# DENTON PUBLIC SAFETY TRAINING CENTER Master Plan/Fire Station 7

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# Professional Summary

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## Work experience

**abercrombie Planning + Design • Fort Worth, Texas**

**1996 - Present**

*Owner/Principal*

*Public Safety Design Consultant*

*Higher Education Design Consultant*

### **Current and Recent Projects and Clients:**

- Montgomery County Public Safety Training Center
- Washington Metro Transit Police Training Facility
- Fort Worth Police and Fire Training Center - Fort Worth, Texas
- California Exercise Simulation Center, California Office of Emergency Services
- Singapore Civil Defense Home Team Tactical Center, Singapore
- Taiwan National Academy - Taipei, Taiwan
- Public Safety Training Center Master Plan/Fire Station 7 - Denton, Texas
- Miami-Dade County Fire Training Center - Miami, Florida
- Tulsa Community College - Tulsa, Oklahoma
- Tulsa Fire Department - Tulsa, Oklahoma
- Sarasota County Combined Public Safety Training Facility - Sarasota County, Florida
- Sacramento Metropolitan Fire District - Sacramento, California
- Baytown Fire Department - Baytown, Texas
- San Antonio Community College - San Antonio, Texas
- Mesquite Fire Department - Mesquite, Texas
- Temple Fire Department Training Center - Temple, Texas

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**Tarrant County College • Fort Worth, Texas****1992 - 2014***Coordinator of Special Projects/Technical Adviser, Fire Service Training Center*

- Led the development of a 20 million dollar state-of-the-art fire service training facility that is the largest computer controlled gas fired facility in the United States. Responsible for all aspects of the facility including initial concept, specifications, business plan, and construction oversight. The 23-acre facility consists of a 48,000 square foot high tech classroom and administration building coupled with a multi hazard disaster city complete with man made raging river. This highly integrated facility is one of the most technologically advanced emergency service training facilities in the world.

**Ft. Worth Fire Department • Fort Worth, Texas****1994 - Present***Lieutenant*

## Education

**University of Missouri • Columbia, Missouri****2011***PhD Human Environmental Science-Architectural Studies***Texas Christian University • Fort Worth, Texas****2004***Master of Liberal Arts***University of Oklahoma • Norman, Oklahoma****2001***Bachelor of Liberal Studies***Tarrant County Junior College • Fort Worth, Texas****1998***Associate of Applied Science, Fire Protection Technology*



