

Services Provided  
*Civil Design*

Date of Completion  
*2011*

Client  
*Dallas Fort Worth  
International Airport*

Project Designer  
*Steve Heniford PE*  
Project Manager  
*Steven Heniford PE*

## DFW Fire Station Training Facility

AZ&B was responsible for the civil site design for this new fire station located in the International Commerce Park section of DFW Airport. AZ&B provided design services to provide the civil elements for an automated valve system to control fire training operations flow between the storm sewer, sanitary sewer and the onsite recycling facility.

- ✓ Design piping and valve system to control flows from the burn pits to the storm, sanitary and recycling system facilities.
- ✓ Designed vaults with sump pumps for the control valves that allow maintenance and replacement of the automated valves and related components.
- ✓ Designed piping to allow bi-directional flow between the two burn pits and into the storm sewer, sanitary sewer or to the recycling facility.
- ✓ Designed a by-pass line from the 40,000 gallon underground pass-through tank directly to the sanitary sewer.
- ✓ Provide bollard protection for the new facilities subject to vehicular damage.
- ✓ Provide a non-mechanical oil/water separator for the storm sewer outflow south of the dual fuel pits.
- ✓ Design civil improvements for the addition of four (4) above ground 40,000 gallon pass-through tanks.

