AUSTIN BAIRD, P.E., LEED AP
ASSOCIATE
CIVIL ENGINEER

PROJECT EXPERIENCE

Laundry Replacement & Infrastructure Improvements, VA Medical Center, Waco, TX - Civil engineer for the $8.82 M, Laundry Replacement & Infrastructure Improvements entailing the repairs and replacements to critical infrastructure to support a new 50,000 SF laundry facility at the VA Medical Center in Waco. Included will be administrative areas, production and support areas, medical center linen support areas and total laundry and linen operation. To the extent possible, the utilities will be run to the new location and will be housed in tunnels or trenches.

Messiah Lutheran Private School, Keller, TX – Civil engineer responsible for the additions to the existing church included a 2 story education building to accommodate the church run private school. Included in the design was drainage analysis, including detention to detain storm runoff to pre-development rates, dimensional site plans, grading and domestic utilities to serve the education wing. Site work consisted of associated parking, fire department access, fire lane design and accessible sidewalks, including planning for future expansion of the parking areas.

Bentwater Pressure Analysis, Granbury, TX – Civil engineer for the project to prepare an electronic AutoCAD base map of the Bentwater development showing the existing pump station location, water line locations, water line sizes, valves, and other appurtenances of the water system; establish the static elevation of the system components. Included were visits to the project site and the existing pump station in order to verify pump types and sizes, hydro-pneumatic tank sizes and operating ranges, ground storage tank sizes, control systems and yard piping arrangements to verify that the system was operating correctly and in accordance with original design parameters. A visual verification of the distribution system components was performed as well. A distribution model of the Bentwater system using EPANET was created and a pressure analysis was executed to determine areas of non-acceptable pressures.

Commerce Centre Industrial Park Site Development, Granbury, TX – Civil engineer responsible for the engineering design of the 500 acre site for approximately 20 new warehouse/manufacturing facilities. Included in the design were site drainage analysis, layout, grading, water, wastewater, and storm drainage conveyance utilities, flood study. Site work consisted of associated parking, fire department access, fire lane design and accessible sidewalks.

City of Bridgeport Residential Roadway Reconstruction and Intersection Improvements, Bridgeport, TX – Civil engineer responsible for engineering design of three residential roadways of variable width and 20 intersection improvements under the City of Bridgeport Capital Improvement Program.

Tributary BB-12 Flood Plain Reclamation, Fort Worth, TX - Responsible for the engineering analysis and design for the channelization of Tributary BB-12 for the flood plain reclamation. The analysis included revised hydrology for the drainage basin of Tributary BB-12, as well as defining the channel cross section through the property so that water surfaces both upstream and downstream of the subject property were unaffected, and to optimize the available property outside of the flood plain.

Experience:
Baird, Hampton & Brown, Inc.: 2002
Years Prior Experience: 0

Education:
University of TX, Austin / Bachelor of Science Civil Engineering / 2001 / Civil Engineering

Registration:
2006 / Texas / Civil Engineering / 97239

Bio:
Mr. Baird's has provided civil engineering design and project management for a variety of projects, and is knowledgeable in site development, water resources, conveyance systems, environmental engineering, fluid mechanics and transportation. Mr. Baird also has proficiency in civil engineering design software including AutoCAD, Land Development Desktop, AutoDesk Civil Design, HEC II, HEC-HMS and HEC-RAS.