J.C. GARCIA, P.E.
CIVIL ENGINEER

Experience:
Baird, Hampton & Brown, Inc.: 2004
Years Prior Experience: 0

Education:
The University of Texas at Arlington / B.S.C.E. / 2004 / Civil Engineering

Registration:
2009 / TX / P.E. / Registration #103516

Bio: Mr. Garcia began his career at BHB as a Graduate Civil Engineer. He now serves as one of BHB's licensed experienced project engineers for a variety of commercial, residential, and municipal projects throughout the DFW metroplex and surrounding areas. He is knowledgeable in site development, water resources, conveyance systems, environmental engineering, and fluid mechanics. Design Software: Auto CAD, Land Development Desktop, AutoDesk Civil Design, HEC-RAS, & EPA NET.

PROJECT EXPERIENCE

Flood Plain Reclamation - Meadows Creek, Colleyville, TX – Responsible for engineering analysis of Meadows Creek for the reclamation of land in the flood plain. The analysis included redefining the channel cross sections through the property so the water surface elevations both upstream and downstream for the subject property were unaffected, and to optimize the available property outside of the flood plain.

City of Bridgeport Master Plans - Bridgeport, TX – Project civil engineer for this project that was both an engineering and planning effort to help the City of Bridgeport identify the current and future roadway, water, and sewer needs that will help accommodate future growth of the City. BHB was responsible for retrieving all available water and sewer utility information the City had, and field verifying the conditions, widths, and pavements surfaces of most of the major roadways within the City, and also responsible for researching the limits of the Water and Sewer certificates of Convenience and Necessity for the City of Bridgeport.

Energy Way Roadway Extension - Bridgeport, TX – Project civil engineer for this project that consists of the demolition and removal of existing asphaltic pavement, concrete pavement, concrete curb, and buried storm drain lines for the construction of approximately 1000 L.F. of 40 foot concrete roadway with attached of monolithic concrete curb and 9 drive approaches.

Roadway Rehabilitation – City of Bridgeport, TX – Responsible for taking inventory of several existing roadways, curb and gutters, drive approaches and intersections throughout the city, identifying specific areas that needed to be rehabilitated.

Abe's Landing Residential Development – Hood County, TX – Project civil engineer for this large residential subdivision project on Lake Granbury. BHB was responsible for the design of the roadways, storm drain collection, water distribution, and waste water collection systems for Phase 1 of the development.

U-Haul Addition at Seguin Road – San Antonio, TX – Project civil engineer for this project that consisted of the platting of 27.64 acres of a 36.168 acre tract of land in the City of San Antonio owned by Amerco Real Estate Company. Seven commercial and industrial lots ranging in size from 2 to 5 acres, and 1.81 acres of a sixty foot public right-of-way were platted so that each lot could be sold.

Site Development - Heritage Trace Center, Fort Worth, TX – Responsible for engineering design for a 6.78 acre multi phase site for 10 new office buildings ranging from 4,000 to 8,000 SF intended for both general office space and medical services. Design included extending public utilities to the sites, drainage analysis, building layouts, associate parking, fire department access, grading, on-site utility plans, and a letter of map amendment to FEMA.

Site Development – Devon Energy Office Building, City of Bridgeport, TX – Responsible for engineering design for an approximately 62,000 SF office building on a 7.0 acre site. Design included a site drainage analysis, layout, grading water, wastewater conveyance utilities. Site work consisted of associated parking, fire department access, fire lane design. Coordination with TxDot was also required for driveway permit and a Traffic Impact Analysis warranting a signal light at the US 380 and CR 1304 intersection.