



THONHOFF CONSULTING ENGINEERS, INC.

MUNICIPAL • ENVIRONMENTAL • WATER & WASTEWATER

STEPHEN M. BELL, P.E.
Project Manager

REGISTRATION

Registered Professional Engineer, Texas No. 58309, 1985

EDUCATION

MBA, The University of Texas at Austin, 1995

MS, Civil Engineering, Environmental Health Engineering, The University of Texas at Austin, 1983

BA, Biology, The University of Texas at Austin, 1975

PROFESSIONAL HISTORY

Thonhoff Consulting Engineers, Inc., Austin, Texas; 2006-present, Engineer

Texas Water Development Board, Austin, Texas; 1979-2006, Hydrologist/Engineer

Radian Corporation, Austin, Texas; 1976-1977, Researcher/Scientist

EXPERIENCE

Professional experience includes project administration, management, and engineering for general civil engineering projects. Duties and responsibilities include identifying client needs; assisting in obtaining project financing; planning, design, and construction phase engineering; and project management on numerous civil site, water, waste, and wastewater projects. Communications include coordination with clients, regulatory entities, governmental bodies, bidders, contractors, engineers, surveyors, equipment manufacturer representatives, and other project stakeholders.

Permit experience includes obtaining governmental permits for wastewater collection, treatment, discharge, and land application; reclaimed water reuse; sludge and septage land application; stormwater; no exposure certification; composting; grease trap waste processing; water certificates of convenience and necessity; groundwater withdrawal and wells; county road and TxDOT highway; railroad; USCOE, and LCRA.

Project administrative experience includes projects financed with funds of the Owner and with funds obtained through EPA, TWDB, USDA RD, and Texas USDA CDBG programs. Project experience includes preparing funding applications; site plans; wastewater treatment plants for discharge and land application, conventional and alternative collection systems, lift stations, collection system rehabilitations; reclaimed water use; water treatment plants, wells, elevated and ground storage tanks, and distribution systems.

Engineering and management duties include development of loan and grant applications, needs assessments, population projections, project estimates and budgets, engineering services contracts, water conservation and emergency management plans, sewer use ordinances, user charge systems, infiltration and inflow studies, smoke testing, sewer system evaluation studies, engineering planning reports, environmental reports, design solutions compliant with design criteria and permit, plans and specifications, addenda, bid documents, construction contract documents, project and construction contract schedules and submittals, construction inspection, construction observation, change orders, field orders, pay requests, operation and maintenance manuals, project and contract close out documents, audit responses, and coordination of warranty work.

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REPRESENTATIVE PROJECT EXPERIENCE

Wastewater Lift Stations: Harker Heights, TX, 800 GPM Lift Station; Burnet, TX, 800 GPM Lift Station; Alvord, TX, Multiple 100 GPM Lift Stations; Houston, TX, Multiple lift stations; Robinson, TX, 2,000 GPM Lift Station; Hubbard, TX, 250 GPM Lift station and 1,500 L.F. of force main; Kaufman, TX, 2,575 L.F. of 12" force main; Littlefield, TX, 4,020 L.F. of 10" force main.

Wastewater Treatment Plants: Burnet, TX, 1.7 MGD Enhanced BNR WWTP; Holland, TX, WWTP Improvements for Effluent Irrigation; Alvord, TX, WWTP improvements; Angleton, TX, WWTP; Baytown, TX, WWTP; Bridgeport, TX, WWTP modifications; Brownsboro, TX, WWTP expansion; Cranfills Gap, TX, 0.04 MGD WWTP; Dripping Springs, TX, 0.1275 MGD WTP; Dublin, TX, WWTP improvements; Fairfield, TX, 1.5 MGD WWTP; Friendswood, TX, WWTP; Houston, Texas, 200+ MGD 69th Street, Sims Bayou, and Almeda Sims WWTP improvements; Hubbard, TX, 0.25 MGD WWTP; Littlefield, TX, 1.475 MGD WWTP with irrigation; Lorenzo, TX, 0.21 MGD WWTP with irrigation; Mart, TX, WWTP improvements; Mexia, TX, 2 MGD WWTP expansion and improvements; Mount Calm, TX, WWTP improvements; Odessa, TX, WWTP; Olney, TX, WWTP improvements; Princeton, TX, WWTP closure; Runge, TX, WWTP with irrigation; Taylor, TX, 4.0 MGD WWTP.

Wastewater Collection Systems: Harker Heights, TX, 8" - 27" interceptor network, lift station and 10" force main; Burnet, TX, 8" - 36" cross town interceptor; Burnet, TX, 1570 LF of 15" gravity interceptor; Granger, TX, 2636 LF of 8" gravity sewer; Alvord, TX, 11,800 L.F. of 4"- 8" sewer and force main; Robinson, TX, 11,000 L.F. of 8" - 12" sewer and 22,800 L.F. of 8" force main; Brownsboro, TX, New subdivision gravity sewer, lift station and force main; Cranfills Gap, TX, 16,000 L.F. of 6" sewer, influent lift station, and 375 L.F. of force main; Granger, TX, 2,380 L.F. of 8" sewer; Houston, TX, 6" - 132" sewer.

Wastewater Collection System Rehabilitations: Burnet, TX; Alvord, TX; Bellaire, TX; Hitchcock, TX; Houston, TX; Mart, TX; Wichita Falls, TX.

Reclaimed Water Use: Holland, TX, 0.075 MGD Irrigation; Burnet, TX, Permitting, storage, delivery system to agricultural fields and athletic facilities.

Water Treatment Plants: Noack WSC, TX; Bandera River Ranch WSC; Live Oak County, TX; Brady, TX, 3.0 MGD WTP; Junction, TX, WTP; Millersview-Doole WSC, WTP; Olney, TX, WTP Improvements; Vernon, TX, 2.88 MGD WTP.

Water Wells: Noack WSC, TX; Bandera River Ranch WSC; Live Oak County, TX; Vernon, Texas.

Water Storage: Noack WSC, TX; Bandera River Ranch WSC; Live Oak County, TX; Alvord, TX, Elevated storage tank; Brady, TX, 1.0 MG Ground storage tank and standpipes; Brownwood, TX, 1.0 MG Ground storage tank and two 0.75 MG Elevated storage tanks; Hamlin, TX, Ground storage tank; Mexia, TX, 1.0 MG and 1.5 MG Ground storage tanks; Mount Calm, TX, 0.05 MG Elevated storage tank; Vernon, TX, 0.25 MG Ground storage tank and a 0.05 MG Elevated storage tank.

Water Distribution: Burnet, TX, 12" transmission main; Brownwood, TX, Pump station and 51,330 L.F. of 2" - 26" lines; Hamlin, TX, Pump station and 39-miles of 2" - 14" line; Millersview-Doole WSC, 275,000 L.F. of 8" - 20" lines; Mount Calm, TX, 676 L.F. of 6" line; Vernon, TX, 20,540 L.F. of 6" - 12" line.

Solid Waste: Texas Organic Recovery, Composting registration and permit, Grease trap waste processing registration, Briggs Organic Land Management, Land application of sludge; Burnet, TX, Land application of sludge.