

STATEMENT OF QUALIFICATIONS

RFQ FOR ENGINEERING SERVICES

DWSRF WATER IMPROVEMENTS PROJECT

MARCH 8, 2024



Enprotec | Hibbs & Todd



Celebrating 35 years

Abilene | Lubbock | Granbury

PE Firm Registration No. 1151
PG Firm Registration No. 50103
RPLS Firm Registration No. 10011900

Corporate Headquarters

402 Cedar Street
Abilene, Texas 79601
T: (325) 698-5560
F: (325) 690-3240

www.e-ht.com



March 8, 2024

City of Sweeny
Attn: Lindsay Koskiniemi
City Manager
102 W. Ashley Wilson Road
Sweeny, Texas 77480

Re: Engineering Services RFQ
DWSRF Water System Improvements Project

Dear Ms. Koskiniemi:

Enprotec / Hibbs & Todd, Inc. (eHT) is pleased to submit the qualifications of our firm to the City of Sweeny (City) for consideration to provide professional engineering services for the Texas Water Development Board (TWDB) Drinking Water State Revolving Fund (DWSRF) Water System Improvements Project. We are committed to providing you with the highest quality of professional services and consulting for this important and timely project.

eHT provides designs that optimize the funding mechanism and are conversant with all aspects of project documentation requirements. Agencies depend on their consultants to take care of the details; we have worked with the TWDB for over 35 years.

I will be the main point of contact to the City and can be reached at: Physical and Mailing Address: eHT, 402 Cedar Street, Abilene, Texas 79601; (325) 698-5560 [REDACTED]

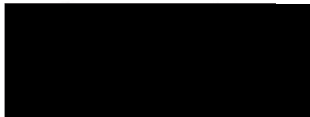
We feel that our team is best suited to assist the City in this project. Should additional information be desired, please don't hesitate to contact me.

eHT confirms that we will provide general liability insurance, worker's compensation, and professional liability insurance for the project within 10 calendar days of a Notice of Award.

eHT also confirms that there are not any conflicts of interest that would impede with or interfere in the carrying out of duties and responsibilities of the position of Project Design Engineer.

Sincerely,

Enprotec / Hibbs & Todd, Inc.



Jordan S. Hibbs, PE
President



ORGANIZATION

3.1

Firm Name

Enprotec / Hibbs & Todd, Inc. (eHT)

Address & Phone Number

Corporate Headquarters

402 Cedar Street | Abilene, TX 79601
T: (325) 698-5560 | F: (325) 690-3240

Branch Offices

1310 Weatherford Highway, Suite 116 | Granbury, TX 76048
T: (682) 498-6000
6310 Genoa Avenue, Suite E | Lubbock, Texas 79424
T: (806) 794-1100

TBPE Firm Registration No 1151

Submittal is for: Enprotec / Hibbs & Todd, Inc. (parent company) with three Texas offices.

Year Firm Established: 1989

Former Firm Name: Enprotec / Hibbs & Todd, Inc. (eHT) does business in its own name and that of its wholly owned subsidiary Enprotec of South Texas, Inc. (incorporated in 2000) and through Geotec Labs and Starr Engineering (registered dba's). eHT is the result of a merger of Hibbs & Todd, Inc. (inc. in 1993) into Enprotec, Inc. (inc. in 1989). The name of the firm was changed to Enprotec / Hibbs & Todd, Inc. immediately following the merger.

Type of Ownership: Corporation

Name of Parent Co.: N/A

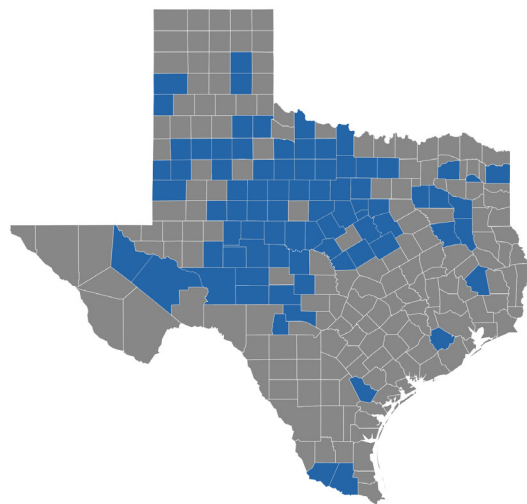
Name of Principals and Titles:

- Scott F. Hibbs, PE, CEO
- Jordan S. Hibbs, PE, President
- Keith P. Kindle, PE, Vice President
- Scott Yungblut, PE, Vice President
- Joshua L. Berryhill, PE, Vice President & Tech. Dir.
- Sage Diller, PE, Vice President
- Chris Hay, PE, Vice President
- Colden S. Rich, PE, Vice President
- Bob Benham, CPA, Chief Financial Officer

Personnel in Each Office:

OFFICE	PERSONNEL	DISCIPLINE
ABILENE	23	Engineers
	2	Geologists/Environmental
	5	Operations Specialists
	7	Technicians
	4	Construction Materials Testing
	5	Construction Inspectors
	5	Surveyors
	8	Administrative
LUBBOCK	2	Engineers
	2	Geologists/Environmental
	3	Technicians
	1	Administrative
GRANBURY	2	Engineers
	2	Operations Specialists
	2	Construction Inspectors
	2	Surveyors
	1	Administrative
TOTAL	76	

Funded Project Experience



KEY PERSONNEL / PROJECT TEAM



JORDAN S. HIBBS, PE

Licensed Professional Engineer, Texas
#115729

Areas of Expertise: Project Management,
Water and Wastewater, Funding and
Regulatory Agency Coordination

Years of Experience: 15

Mr. Hibbs has over 15 years of experience in the design and management of water, wastewater, drainage and site development projects for municipal clients. He has experience designing and evaluating water treatment plants, water distribution systems, wastewater treatment plants, wastewater collection systems and storm drainage systems. Mr. Hibbs regularly coordinates with state and federal agencies for various projects. His project experience includes:

- Bailey Water Treatment Plant Improvements, City of Pearland
- Water Treatment Plant, City of Richmond
- Emergency Water Treatment Plant, City of Cisco
- Regional Water Treatment Plant, City of Missouri City
- Transmission Lines, Phases I-III, City of Missouri City
- Water Treatment Plant and Master Plan, City of Richmond
- Distribution Lines, City of Richmond
- Ground Storage Tank, City of Pearland
- Reuse Line for Hamby Water Reclamation Facility, City of Abilene
- Possum Kingdom Raw Water Lines, City of Abilene
- Water Treatment Plant Improvements, City of Abilene
- Water Treatment Plant and Expansion, City of Granbury
- Hydro-Pneumatic System Improvements, Corix Utilities
- FM 1229 Water Line Improvements, Corix Utilities
- Ground Storage Tank, City of Midlothian
- Water Treatment Plant Preliminary Analysis, Somervell County Water District
- Taste and Odor Resolution, City of Jacksboro
- Water System Master Plan, City of Commerce



JOSHUA L. BERRYHILL, PE

Licensed Professional Engineer – Texas
#100323

Areas of Expertise: Project Management,
Water and Wastewater, Funding and
Regulatory Agency Coordination

Years of Experience: 20

Mr. Berryhill has 20 years of experience in the design, operation and analysis of water and wastewater treatment systems. He has experience in the piloting, design, construction and operation of water treatment plants, including reverse osmosis systems for groundwater and seawater, chemical feed systems, sedimentation, microfiltration, dual- and tri-media filtration, clear wells and plant water and high service pumping systems. He also has experience in the design, construction and operation of wastewater treatment plants, including pump stations, preliminary screening, grit removal and flow equalization systems, extended aeration basins, activated sludge aeration basins, biological nutrient removal systems, sequencing batch reactors, membrane bioreactors, clarification, tertiary filtration, chemical and UV disinfection, anaerobic and aerobic digestion systems, plant water and reuse systems. His experience includes:

- Radionuclide Reduction Treatment, Cities of Brady, Mertzson, Mason, Eden and Pecos County
- Bailey Water Treatment Plant Improvements, City of Pearland
- Emergency Water Treatment Plant, City of Cisco
- Water Treatment Plant Improvements, Upper Leon River Municipal Water District
- Water Treatment Plants, City of Abilene
- Water System Improvements, City of Brady
- PK Roughing Facility, City of Abilene
- Hickory Expansion Project, City of San Angelo
- Water Treatment Plant Improvements, Eastland County Water Supply District
- Surface Water Treatment Plant Expansion, City of Granbury
- Water Treatment Plant Improvements, City of Beeville
- Desalination Pilot, Brownsville PUB
- Water System Improvements, City of Ballinger



KEITH P. KINDLE, PE

Registered Professional Engineer – Texas
#87779

Areas of Expertise: Water Treatment,
Funding and Regulatory Agency
Coordination, Project Management
Years of Experience: 29

Mr. Kindle has 29 years of experience managing large public works programs. He has in-depth experience in project management including planning, design and construction management for water supply, treatment and distribution projects and wastewater treatment and collection projects. He has extensive experience with the Texas Water Development Board Economically Distressed Areas Program, CWSRF and DWSRF; Border Environment Cooperation Commission; North American Development Bank; Texas Department of Housing and Community Affairs; and US Department of Agriculture’s Rural Development funding applications for planning, design and construction of public works improvement projects. He has provided program management for projects totaling over \$1.5 billion in infrastructure improvements. Notable accomplishments include the \$600 million Houston Ship Channel Widening and Deepening and the Texas Water Development Board City of Roma Infrastructure Improvements Project. Numerous projects that Mr. Kindle has served as the Program Manager have received engineering excellence awards on both a state and national level. His project experience includes:

- TWDB Asset Management Plans for Small Systems, Barton WSC
- TWDB Asset Management Plans for Small Systems, El Tanque WSC
- TWDB Asset Management Plans for Small Systems, Tom Green FWSD #2
- TWDB Asset Management Plans for Small Systems, Winkler WSC
- TWDB DWSRF Water System Improvements, City of Granbury
- Statewide Water and Wastewater Needs Assessment Study, Texas Water Development Board
- TWDB Improvement Project, City of Roma
- TWDB Water and Sewer Improvements, City of Mercedes
- Radium Reduction Project, City of Brady



BRET THOMPSON, PE

Licensed Professional Engineer – Texas
#145281

Areas of Expertise: Water Treatment,
Funding and Regulatory Agency
Coordination, Project Management
Years of Experience: 8

Mr. Thompson has eight years of experience with the design of various municipal engineering projects including water and wastewater treatment and infrastructure design. Highlights of his experience since joining eHT include design of multiple water and wastewater treatment plants, including polymeric and ceramic membrane filtration, reverse osmosis, sequencing batch reactor (SBR) and membrane bioreactor (MBR) treatment technologies. He also has experience with HEC-HMS, HEC-RAS, SWMM, AutoCAD and Microstation. His project experience includes:

- Water Treatment Plant, Somervell County Water District
- Raw Water Pump Station Improvements, City of Stamford
- Water System Improvements, City of Midland
- Water Treatment Plant Improvements, PCSUD
- Water Treatment Plant #2, PCSUD



ERIC LOPEZ, PE

Registered Professional Engineer – NM
#111453

Areas of Expertise: Water and Wastewater
Design, Funding and Regulatory Agency
Coordination, Project Management
Years of Experience: 10

Mr. Lopez has 10 years of experience in the principals and practices of civil engineering, including surface and groundwater hydrology, open and closed channel hydraulics, water accounting, and data analysis. He is also well versed in the principals of soil mechanics and soil physics. His project experience includes:

- Water Well Design, Town of Lakewood Village
- PK RO Phase I and II Discharge Line, City of Abilene
- Water Wells, City of Seminole
- Plant Upgrades, Eastland County Water Supply District
- Water Model and Master Plan, City of Albany
- Groundwater Wells, City of San Angelo



DAVID A. BAKER

Class A Wastewater Operator, TCEQ, Texas

Areas of Expertise: Water and Wastewater Operations and Planning

Years of Experience: 31

Mr. Baker has 31 years of experience in the water and wastewater utility industry.

He has been a licensed wastewater treatment plant operator since 1989 in New Mexico, Colorado, Wyoming and Texas. He has been a licensed "A" wastewater operator in the State of Texas since 2000. For more than a decade he enjoyed the opportunity to operate municipal treatment plants ranging in size from package plants to a 110 MGD advanced activated sludge nutrient removal plant (Dallas Southside). Mr. Baker assists water and wastewater treatment utilities with gaining approval for and coordinating pilot studies, facility startup services, regulatory compliance, process troubleshooting, operator training, production of facility O&M manuals, production of facility monitoring plans, biosolids handling and disposal compliance, disinfection by-product reduction measures and production of water conservation and drought contingency plans.



LUCIA A. DUNN, PE

Registered Professional Engineer, Texas
#73943

Areas of Expertise: Environmental, Regulatory

Years of Experience: 34

As a Senior Project Manager, Ms. Dunn prepares disinfection protocol studies for water treatment plants in compliance with the Long-term 2 Enhanced Surface Water Treatment Rule and Stage 2 DBP Rule. Contact times are established to ensure proper disinfection is provided at the plant prior to distribution. She also prepares Preliminary Engineering Reports including evaluation of water treatment systems. Ms. Dunn developed the first watershed program for EPA Region 6. She provided technical oversight for the watershed project and acted as a regional liaison on watershed issues.

PROFESSIONAL STANDING

All members of the eHT Team that maintain a professional license issued by the State of Texas are in good standing with that agency.

What our Clients Say

"The City of Granbury is very proud of our recently completed Surface Water Treatment Plant. In addition to many hours of preliminary discussions, eHT assisted us with the planning, design, environmental, permitting and construction, even assisting the City with the Construction Manager at Risk Delivery method on the project that went very well. The plant is operating at a high level and is performing very well. The staff at eHT deliver quality projects, display professional courtesy and are a pleasure to work with. I recommend eHT for any of your utility needs."

Rick Crownover

**City of Granbury
Assistant City Manager**

PROJECT APPROACH

Project Understanding

The City of Sweeny (City) is operated solely on well water high in manganese and iron secondary constituents, which are visibly noticeable in the City's drinking water. In addition to the naturally occurring constituents, the City has approximately 17 miles of 2-inch steel water main lines throughout the water system that must be replaced. The proposed project includes constituent removal and water line replacement with lines compatible with current standards to provide clean water to residents.

Project Approach

Agency Involvement. Our engineers will work closely with client representatives during the entire project. Clear communication and close coordination during the project will be critical for its success. We use several methods for establishing strong communication including established communications procedures, specific funding protocols and a Strategic Decision Group.

Strategic Decision Group. We have informally implemented a Strategic Decision Group on each of our funded projects. The Client, Financial Advisor, Bond Counsel, and Engineer have worked together to keep the projects free of "snags".

This decision-making group will anticipate any inefficiencies in the project and resolve major problems that may arise. This will help avoid long periods of downtime that often result because of lengthy negotiations and ineffective decision-making.

It should be noted that eHT has successfully completed over \$800 million in water and wastewater projects using either DWSRF, CWSRF, EDAP, or a combination of TWDB program funds.

Stakeholder Input. We advocate incorporating input from the Client on important project decisions and options. Our experience indicates that this level of communication helps to provide a project that will meet the City's objectives and needs.

We feel Client leadership helps to shape the outcome of the project. We can accomplish this by:

- Providing frequent technical briefings regarding the details of the project.
- Providing field tours for Client representatives to view proposed equipment and processes.
- Ensuring critical project decisions are made by the Client and implemented by the design team.

- As your consulting partner, the first step will be to meet with your staff and review the objectives for your project. The City needs and desires must be integrated into the project from the start. Input concerning functional issues during planning and design phases will ultimately result in a more "user-friendly" system following construction. Our staff will maintain constant communication, focusing on sensitive issues and potential roadblocks to success.

Proposed Methodology

Task 1: Project Management

Strong project management is one of the most important factors governing the successful outcome of a project. As a result, we believe that the first task should be focused on project management.

Our project management will be centralized from our Abilene office with the ability to promptly respond to meetings with the City in an economical manner. Mr. Rich and the other senior members of the project team all have extensive experience in working on water improvement projects with the TWDB, TCEQ and various funding agencies to develop efficient and cost-effective projects that "get it right the first time." In order to foster constant communication during the project, a kickoff meeting, milestone meetings, and a final presentation will be arranged with City staff, the funding agency and other appropriate stakeholders.

Task 1.1: Initial Kickoff Meeting with City Staff

eHT will initiate a meeting with City Staff and the funding agency before the project is commenced. During the meeting, the project manager, team leaders and key engineering staff will set project goals and the scope of work will be reviewed, clarified and modified, as necessary.

Lines of communication with City and the funding agency will be established. The City and funding agency input regarding critical project guidelines and resources will be solicited.

Task 2: Preliminary Engineering

A. Consult with The City to determine the specific needs and requirements for the project. Establish criteria for prioritizing improvements to maximize the number of improvements accomplished within the proposed funds.

B. Prepare a Preliminary Engineering Feasibility Report (PEFR) to support the funding application (and an Engineering Feasibility Report [EFR] depending on funding agency requirements) to complete the planning phase for the project in sufficient detail to indicate clearly the problems involved and the alternate solutions available to the City, to include schematic layouts and sketches, general cost projection for the Project, and a schedule to set forth the Engineer's recommendations.

C. Assist in the preparation or review of environmental assessments and impact statements as necessary for funding.

D. Assist the City in coordinating with TCEQ to determine the documentation required for exception approval from the TCEQ's Technical Review and Oversight Team (TROT), which is required prior to submittal and approval of the final design plans and specifications for the City water system improvements by the TCEQ's Plan Review Team (PRT).

E. Complete all necessary preliminary design support.

Task 2.1: Engineering Feasibility Report

A. The primary goal of Task 2.1 is to develop and produce an engineering feasibility report (EFR) if required for a funding agency, detailing the recommended scope of improvements necessary for increasing the efficiency and capacity of the City's proposed water system improvements.

B. Consult with the City to determine specific needs and requirements. Prepare an EFR and report on the project in sufficient detail to indicate problems involved and the alternate solutions available, to include schematic layouts and sketches, conceptual cost projection for the Project and a schedule to set forth the Engineer's recommendations.

C. Following completion of internal review and coordination with the City to incorporate EFR review comments, the EFR will be finalized, which will include, but not be limited to, technical descriptions of civil, electrical, instrumentation, mechanical and structural components that can be reasonably expected to be necessary to implement the proposed water system improvements in this project.

D. Make any necessary surveys of existing topography, utilities, or other field data required for proper design of the project.

Task 3: Develop Plans and Specifications

Our team will utilize specialists from eHT to develop plans and specifications for the selected project that best serve the City. Our team will also design with respect to enhancing, not detracting, automation of control technologies for the proposed water system improvements, which will improve the operating staff's capabilities to perform preventive maintenance.

Task 4: Final Review Phase

A. Review final design documents with the City to ensure conformance with goals for the project.

B. Coordinate with the funding agency for a review of final design documents to complete requirements for eligibility of funding for construction, including meeting state and federal guidelines for specific minority-owned and women-owned business enterprises (MBE/WBE) in the contract documents, as well as for meeting current state and federal American Iron and Steel (AIS) requirements.

C. Coordinate with TCEQ for review of final design documents to ensure conformance with design criteria.

Task 5: Bid Phase

A. Prepare Bid Packet/Contract Documents or prepare alternate contract packages if utilizing an alternative delivery method.

B. Conduct a Pre-Bid (or Pre-Proposal for alternative delivery methods) Conference to discuss project scope and answer contractor questions as needed.

C. Issue addenda for any necessary clarification of bid documents, including incorporation of any wage rate modifications (if applicable).

D. Open bids or proposals (bid opening to be held at least four (4) weeks from publication date of first advertisement).

E. Tabulate bids or proposals (include completeness and eligibility screening).

F. Announce lowest and best bid (or proposal), if applicable (at bid opening). If required, issue a rejection of all bids and re-advertise bids.

G. Conduct construction contractor eligibility verification.

H. Submit all necessary awarded contractor documentation to the funding agency in accordance with request of approval and release of funding for construction.

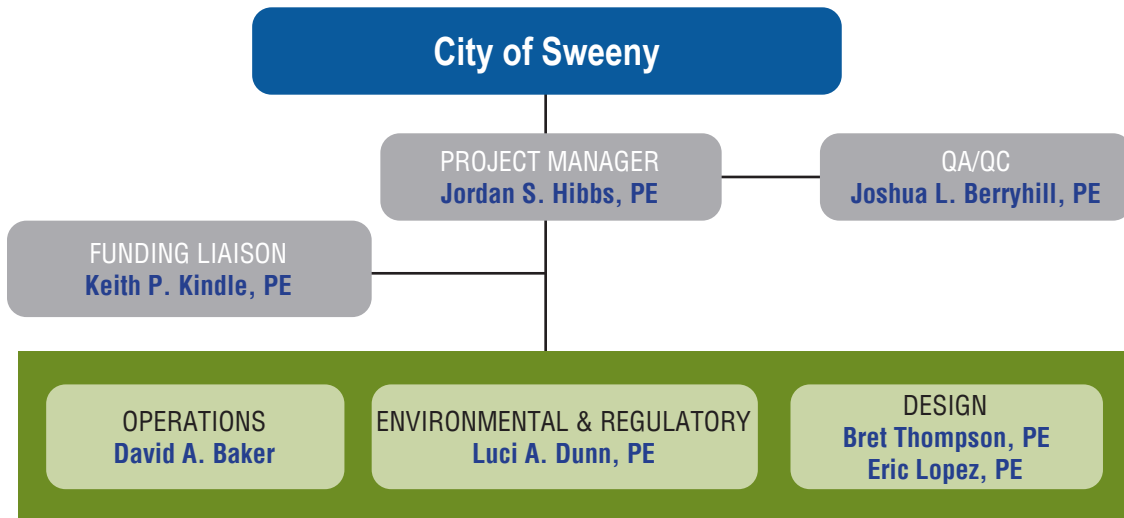
I. Approve contract award by local governing body.

Task 6: Construction Administration and Oversight

- A. Conduct a Pre-Construction Conference with the City, the funding agency and the Construction Contractor to identify specific project requirements, documentation needed and guidelines for costs, change orders and outlays.
- B. Issue Notice to Proceed to awarded Construction Contractor.
- C. Establish Progress Payment Schedule and Construction Contractor’s submittal of cost estimates.
- D. Advise the City during construction of any potential change orders. Process and submit Change Orders to the City and the funding agency.
- E. Perform inspections of the construction project.
- F. Conduct monthly Project Status Meetings with the City, the funding agency and the Contractor to review monthly project status, outlays, development of Contractor drawing markups (as-built drawings).
- G. Check samples, catalog data, shop drawings, laboratory and mill tests of materials and equipment and other data which the Contractor is required to submit, only for the conformance with the design concept of the Project and compliance with information given by the plans, specifications and contract documents.
- H. Based on the Consultant’s onsite observations and on the Consultant’s review of the Contractor’s Applications for Payment, determine the amount owed to the Contractor in such amounts.

- I. Provide operator training of the operators in conjunction with specific equipment training provided by the selected treatment system supplier.
- J. Develop Plan of Operations for proposed water system improvements, including Plan of Operations to the operators to utilize as a living document, to be updated as needed as the operators’ experience grows.
- I. Conduct, in company with City representative(s), a final inspection of the Project for conformance with the design concept of the Project, and compliance with the plans, specifications and contract documents, and recommend in writing, final payment to the Contractor.
- K. Make an inspection of the Project within one month of expiration of the warranty period and report observed discrepancies under warranty.
- L. Furnish the City a set of record prints of drawings and addendum drawings showing changes made during the construction period.
- M. Prepare Certificate of Construction Completion.

ORGANIZATIONAL CHART



M/WBE Participation

Even though eHT is not a DBE or HUB, our personnel have aggressively sought and utilized DBE/HUBs as subcontractors on numerous projects. We will make a “good faith” effort toward affording opportunity for qualified Small Business Enterprises (SBEs), Minority-owned Business Enterprises (MBEs) and Woman-owned Business Enterprises (WBEs) and will submit supporting documentation.

RESOURCE UTILIZATION PLAN

Labor Resources



eHT can be supplemented and supported by other professionals within the company to handle peaks, workloads, or illness. We do not anticipate substantial attrition. We have a very stable and cohesive group of employees.

In the event that the Principal-in-Charge or Project Manager are not available during the performance period, their responsibilities will be assumed by other officers of eHT.

eHT is prepared to increase staff as necessary to complete projects to the satisfaction and expectations of the client. This is a high priority project for our company and we will not accept additional projects that could adversely affect our ability to meet the demands of this project.

In order to create continuity and effective use of labor resources, eHT relies on careful documentation. Documentation includes all decisions, calculations, meeting minutes, telephone memos and accurate and comprehensive project scoping.

eHT has managed a variety of projects in various regions throughout the State and is thoroughly familiar with the applicable rules and regulations required to complete this project. We have a reference library of current publications that contain rules, regulations and standards applicable to this project.

Equipment Resources

Office Equipment



eHTs offices are equipped with the latest versions of communications software and devices. Both in-house and remote capabilities exist for electronic media transmission and data access. All persons have individual access and e-mail accounts for direct personnel contact. Our offices operate on a Microsoft Windows platform for communications, documentation, modeling and reporting functions using industry-standard programs. Company-wide, all of our desktop and portable computers are Intel i-7 or higher as a standard.

Our offices utilize the Microsoft Office Suite including Word, Excel and PowerPoint for data analysis and presentations and word processing. We utilize Surfer routinely for groundwater gradient contour mapping and AutoCAD Civil 3-D drafting software for surface analysis, and AutoCAD 2021 drafting software for mapping, graphics and for groundwater gradient and ISO-concentration contour mapping. Industry-specific modeling programs for groundwater analysis include Groundwater Vistas, Aqtesolve, Modflo, and the RBCA Toolkit. RBCA Tool Kit is used to develop site-specific soil and groundwater clean-up criteria / TCEQ Plan B target levels following a tiered risk evaluation approach. AQTESOLV is typically used to analyze the movement and quantity of groundwater, estimate aquifer parameters, and evaluate pump/slug test results for unconfined, confined, and fractured aquifers. Industry-specific modeling programs used for surface hydrology modeling include PondPack, HEC-RAS, and HEC-HMS. Industry-specific modeling programs used for water and sanitary sewer system analysis include InfoWater and Info SWMM.

Field Equipment

SURVEY EQUIPMENT

Leica Automatic Level

Trimble R-10/R-12 GPS Equipment

Trimble 5-5/5-7 Robotic Total Stations

Trimble TSC-3 DataCollectors

Carlson Survey Software

WORKLOAD STATUS

Current Capacity

eHT maintains staffing at a commitment level of 80 percent or above. As backlogs increase, staff utilization increases accordingly. eHT has an existing workload requiring 90 percent commitment of the current staff. However, as existing contracts are completed over the next few months, a greater commitment of the staff resources will be available for this project.

Future Capacity

eHT will operate at a staffing capacity of 80 percent or above during the time period of this project.

Key Personnel Availability

Based on current staffing, existing projects and known awards, sufficient staff will be available during the time period of this contract.

It is anticipated that key personnel will devote the following percentage of time to the project:

Jordan S. Hibbs, PE	60%
Joshua L. Berryhill, PE	30%
Keith P. Kindle, PE	30%
Bret Thompson, PE	40%
Eric Lopez, PE	40%
David A. Baker	40%
Luci Dunn, PE	50%

Local Tasks

eHT's Abilene office will serve as a local representative for this project with support from our Granbury office. eHT will be available to immediately respond to requests or concerns.

What our Clients Say

"The City of Big Lake has been blessed to have a close working relationship with eHT. We have used their services for the past 14 years for all phases of our City's growth. A new water tower, new wastewater plant, annexation, master planning, paving, landfill issues, new shop building...they cover anything a small City should possibly need. They have saved our sanity when it comes to dealing with TCEQ over violations or new permits. The minute we call on the phone, we know we will receive timely, prompt and professional assistance, no matter what area of expertise is needed. We at the City of Big Lake feel that all employees of eHT are our extended City family and hope to continue this relationship for a very long time."

Troy Kuykendall

**City of Big Lake
Public Works Director**

Water Treatment Plant City of Richmond, Texas



The City of Richmond selected eHT to provide planning, design and construction services for a new surface water treatment plant (SWTP) to meet groundwater reduction plan requirements. Like other plants in the region, membrane filtration was selected to provide the highest quality, efficiency, and consistency of finished water quality in comparison to more conventional technologies. The long-term conversion plan is for an ultimate plant capacity of 4 million gallons per day (MGD) constructed in two phases. The first phase was a 2 MGD facility, and included features incorporated into the planning and design that allow the plant to meet its final phase capacity of 4 MGD while minimizing construction of additional major new structures. Increasing capacity to 4 MGD will require the addition of a new raw water pump, additional membrane modules and a new high service pump – all located in Phase I structures without expansion. Additional components such as an additional raw water storage reservoir will be constructed in the final phase. Other cost saving features included separate construction contracts for site preparation, high service pump station and finished water storage, elimination of a disinfectant contact chamber, high rate clarifiers, equipment pre-purchasing for membrane equipment and the selection of aluminum chlorohydrate as the coagulant to minimize chemical costs and reduce solids handling requirements. This plant design is a model for cost savings. Additionally, eHT provided project management for a 0.2 MGD membrane system expansion and a revised surface water CT study to account for a new groundwater source well.

Contact: Howard Christian, Public Works Director,
[REDACTED]

Date: 2023

EXPERIENCE

Bailey Water Treatment Plant Improvements City of Pearland, Texas



eHT is providing project management, design, bidding support and construction administration for improvements to the Bailey Water Treatment Plant (WTP). The project includes an expansion of the WTP capacity and treatment capability to provide potable water for the City of Pearland up to 4.3 million gallons per day (MGD). The project will combine the Magnolia Well and the Bailey Well at the Bailey WTP site to treat the combined flow. The project includes a 1,000,000-gallon prestressed concrete ground storage tank, site and civil design for the new tank foundation, drainage improvements, replacement of high service pumps with two transfer pumps, installation of a transmission pipeline from the existing Magnolia Well Site discharge to the WTP, installation of five aerolaters at the WTP for reduction of iron, manganese, and hydrogen sulfide from groundwater produced by the Bailey and Magnolia wells and electrical and SCADA work. The project also includes the addition of a holding pond, the demolition of an existing welded steel ground storage tank, and the addition of a new control building at the Bailey site.

Contact: Lorenzo Wingate, Director of Engineering and
Public Works [REDACTED]

Date: 2024

Radium Reduction Project Brady, Texas



eHT provided project management, application assistance, water quality analysis, facility condition, capacity and performance assessments of the existing water treatment plant (WTP) facility, transmission system and well production sites, full-scale and pilot-scale testing and process design for the project funded through the Texas Water Development Board (TWDB) Economically Distressed Areas Program (EDAP) and Drinking Water State Revolving Fund (DWSRF) programs. The project included evaluation of both non-regenerable IX and HMO radionuclide reduction technologies, restoration of the City's existing membrane filtration and reverse osmosis (RO) desalination WTP facility, with the goal of ultimately installing a new 3 million gallon per day (MGD) IX or HMO-based radionuclide reduction treatment system at the City's existing WTP site, as well as improvements to the City's existing desalination facility to allow for balanced use of surface water and/or groundwater to meet daily water demands while balancing resources.

The project also included new elevated storage tank improvements, clearwell improvements, well production, storage and transmission improvements, and the construction of a new SCADA control system designed to support both current water needs while being expandable in the future to incorporate wastewater, electrical, and gas SCADA requirements. The project addressed Texas Commission on Environmental Quality (TCEQ) violations for Combined Radium and Gross Alpha Particles and included the approach of both pilot-scale and full-scale pilot testing approaches to reduce overall implementation costs for the City, including coordination with the City of San Angelo to utilize pilot data for potential use of an IX-based radionuclide reduction technology. Total project cost was \$34 million with \$20.5 million in loan forgiveness via EDAP and DWSRF and 0% interest, resulting in a total financial savings of \$25 million. Despite the pandemic and supply issues, the project met the projected schedule and project budget.

Contact: Erin Corbell, City Manager, [REDACTED]

Date: 2022

Radionuclide Treatment Project Mason, Texas



The City of Mason addressed the need to improve its water system because of violations noted by the Texas Commission on Environmental Quality (TCEQ). Increasingly stringent regulatory requirements for radionuclides coupled with cyclical deterioration in raw water availability and quality were straining the capabilities of the City's existing water system. The quality of the City's groundwater sources was above the TCEQ's and Environmental Protection Agency's (EPA) Primary Drinking Water Standards Maximum Contaminant Level for Combined Radium and Gross Alpha Particles. As a result, eHT provided application assistance, project management, design and construction administration of a radionuclide pilot and treatment project. The project consisted of the construction of a new radionuclide reduction system (RRS) on the site of Groundwater Well No. 2, as well as a new supervisory control and data acquisition (SCADA) system to coordinate distribution system operations. Additional work included distribution system improvements, a new ground storage tank, and the replacement of two high service pumps at an elevated storage tank site.

Contact: John Palacio, City Manager, [REDACTED]

Date: 2022

Water System Improvements

Eden, Texas

eHT is providing project management and design for water system improvements including either a new ground storage tank, pump station and clearwell, or the construction of a new elevated storage tank and high-service pump station. The project also includes the proposed rehabilitation of several groundwater wells and various water line replacements.

Contact: Laura Beeson, City Administrator [REDACTED]

Date: 2024

Rolling Hills Water Service Water System Improvements

Weatherford, Texas

The Rolling Hills system was built in 1971 and most of the original pumping, storage and distribution facilities remained in service. Due to the age of the system and the poor quality of the groundwater, the system had high water losses and numerous violations for total trihalomethanes (TTHMs). The groundwater is high in total dissolved solids (TDS), chlorides, bromides and iron resulting in high TTHMs and aesthetic issues such as color and taste.

The Rolling Hills system was in disrepair and was desperately in need of replacement of all major components. eHT provided application assistance, project management, design, and construction administration for the project, which included the addition of treatment facilities for the groundwater including microfiltration (MF) and reverse osmosis (RO) along with iron removal. The treatment improvements included construction of two new 7,500-gallon ground storage tanks; construction of a new 1,200 square foot metal building to contain office space, high-service pumps, and chemical disinfection; installation of high service pumps, pressure tank, SCADA system, and piping and appurtenances; installation of chlorination equipment for groundwater disinfection; and demolition of the existing water treatment plant.

Additionally, the addition of newer, energy efficient pumps and the replacement of the dilapidated water lines will reduce water losses and save energy. The project also included two new public water supply wells for use in the distribution system.

The project utilized funding from the Texas Water Development Board (TWDB) Drinking Water State Revolving Fund (DWSRF), the Federal Emergency Management Agency (FEMA) Recovery Funds, FEMA Hazard Mitigation Funds, and bond funds.

Contact: Brad Trietsch, Manager, [REDACTED]

Date: 2024

Groundwater Supply Expansion

San Angelo, Texas

The City of San Angelo (City) historically relied on a combination of surface water sources for use in its drinking water supply, but "drought of record" conditions severely impacted the available capacity of surface water supplies. For this reason, the City began identifying and implementing alternative sources of water supply, including groundwater from the Hickory Aquifer. Phase I (8 million gallons per day (MGD)) of the Hickory Aquifer Supply Project was completed by the City in 2011. The City hired eHT to implement Phase II of the Hickory Groundwater Supply Project, which will bring the available supply from this source up to a reliable 12 MGD.

The expansion begins at the City's Hickory Well Field in McCulloch County, Texas and will add five new public water supply production wells. Improvements at the Hickory Well Field to accommodate the new production wells includes the completion of well heads, well pumps, electrical, controls, well site improvements; interconnecting piping and appurtenances; extension of the site roadway system; and expansion of the existing booster pump station to reliably provide a pumping capacity of 12.0 MGD to the City's groundwater treatment plant (GWTP).

To support the increase of water production from the well field, the City's GWTP will also incorporate improvements which will include the expansion of the oxidation contactor system; expansion of the iron removal filtration system; expansion of the radium reduction system; construction of a new triplex low-head pump station; and construction of two new 2.0 MG precast concrete clearwells, all with associated interconnecting piping, appurtenances, electrical, and controls.

Once on-line, the new groundwater wells and an expanded GWTP – designed to remove radionuclides – will allow the City to maximize aquifer production to meet potable water demands. In addition to the new groundwater wells and expanded treatment facility, other critical elements of the project include replacement of an existing clearwell at the City's GWTP; wellfield collection and transmission system expansion and improvements; and SCADA system improvements.

Contact: Shane Kelton, Executive Director of Public Works, [REDACTED]

Date: 2024

REFERENCES

CITY OF ABILENE

Rodney Taylor, Utilities Director, [REDACTED]

eHT provided project management, design and support services for the following projects.

Projects located in Abilene, Texas: Hamby Water Reclamation Facility and Indirect Reuse Project; Grimes Water Treatment Plant Rehabilitation; Northeast Water Treatment Plant Rehabilitation; Water Management Strategies; TPDES Permit Renewal; Risk Management Plans; Pump Station Rehabilitation; Water Conservation Plan and Drought Contingency Plans; Sanitary Sewer Overflow Compliance; Wastewater Master Plan; Sewer Interceptor; Parallel Force Main; Effluent Project.

eHT Role: Project Management and Design

Project Engineer: Scott Hibbs, PE; Colden S. Rich, PE; Sage Diller, PE; Jordan S. Hibbs, PE (325) 698-5560

TWDB on some projects: Director, (512) 463-7847

Description and Duties: Various water and wastewater system improvements. eHT provided civil, environmental and geotechnical engineering design and management.

CITY OF SAN ANGELO

Shane Kelton, Executive Director of Public Works
[REDACTED]

eHT provided project management, design and support services for the following projects.

Projects located in San Angelo, Texas: Reclaimed Water Study; Water Management Strategies; Sulphur Draw Wastewater Improvements; College Hills Rehabilitation; Hickory Groundwater Supply; Concho River Water Supply Permitting; North Bentwood Lift Station Replacement; JT Hill Emergency Water Contamination; Wastewater Treatment Plant Fine Screens Evaluation

eHT Role: Project Management and Design

Project Engineer: Sage Diller, PE; [REDACTED]

TWDB on some projects: Director [REDACTED]

Description and Duties: Various water and wastewater system improvements. eHT provided civil, environmental and geotechnical engineering design and management.

CITY OF SWEETWATER

Justin Clowers, Interim Utilities Director
[REDACTED]

eHT provided project management, design and support services for the following projects.

Projects located in Sweetwater, Texas: Water Treatment Plant; Wastewater Treatment Plant; Well Field Mapping; Oak Creek Transmission Line; Water Distribution System; Tank Inspections; General Engineering Contract; SOS Initiative; High-Service Pump Station; Elevated Storage Tank; Water Use Permit Amendment; Landfill SOP Revisions; WTP Risk Management Plan Update; Dam Inspections.

eHT Role: Project Management and Design

Project Engineer: Sage Diller, PE, (325) 698-5560

TWDB on some projects: Director, (512) 463-7847

Description and Duties: Various water and wastewater system improvements. eHT provided civil, environmental and geotechnical engineering design and management.

CITY OF BIG LAKE

Troy Kuykendall, Public Works Director
[REDACTED]

eHT provided project management, design and support services for the following projects.

Projects located in Big Lake, Texas: Wastewater Treatment Plant; Well Field Mapping; Water Distribution System; Tank Inspections; SOS Initiative; High-Service Pump Station; Elevated Storage Tank; Water Use Permit Amendment; WTP Risk Management Plan Update; Dam Inspections.

eHT Role: Project Management and Design

Project Engineer: Joe Mangrem, PE, [REDACTED]

Governmental Agency: TWDB on some projects, Director, [REDACTED]

Description and Duties: Various water and wastewater system improvements. eHT provided civil, environmental and geotechnical engineering design and management.

CLAIMS/PERFORMANCE/INSURANCE/BONDING

LITIGATION

There are no past or pending litigation or claims filed against eHT that would affect our performance on this project.

TERMINATION

eHT has never been terminated from an assignment for non-performance.

INSURANCE

eHT will provide general liability insurance, worker's compensation and professional liability insurance for this project within 10 calendar days of any Notice of Award. Carrier: Marsh & McLennan Agency, LLC, 8144 Walnut Hill Lane, 16th Floor, Dallas, Texas 75231.

JOINT VENTURES/SUBCONTRACTS

There will not be a joint venture for this contract and it is not expected that 25% or more of the assignment will be subcontracted.

SUBMITTAL

Submitted By:



Jordan S. Hibbs, PE

Name (typed)

March 8, 2024

Date

President

Title

CONFLICT OF INTEREST

CONFLICT OF INTEREST STATEMENT

I certify that the following statement is true with respect to the Request for Qualification for Engineering Planning, Design and Construction Management Services for the TWDB-DWSRF Water System Improvements Project for the City of Sweeny, Texas.

1. No principal or employee of this firm has offered or promised to pay or deliver directly or indirectly, any commission, political contribution, gift, favor, gratuity, benefit, or reward as an inducement to secure this assignment;
2. No employee, officer, or agent of the City of Sweeny, or their immediate family members, has financial or other interest in this firm;
3. This firm will not engage in construction contracting or in the supply of goods, materials, and/or equipment for the construction of this project;
4. This firm is not associated or affiliated, either directly or indirectly, with firms, individuals, or commercial organizations that have a vested interest in the construction of this project.

[Redacted Signature]

Signed by Principal of Firm

Jordan S. Hibbs, PE

Name Typed

President

Title