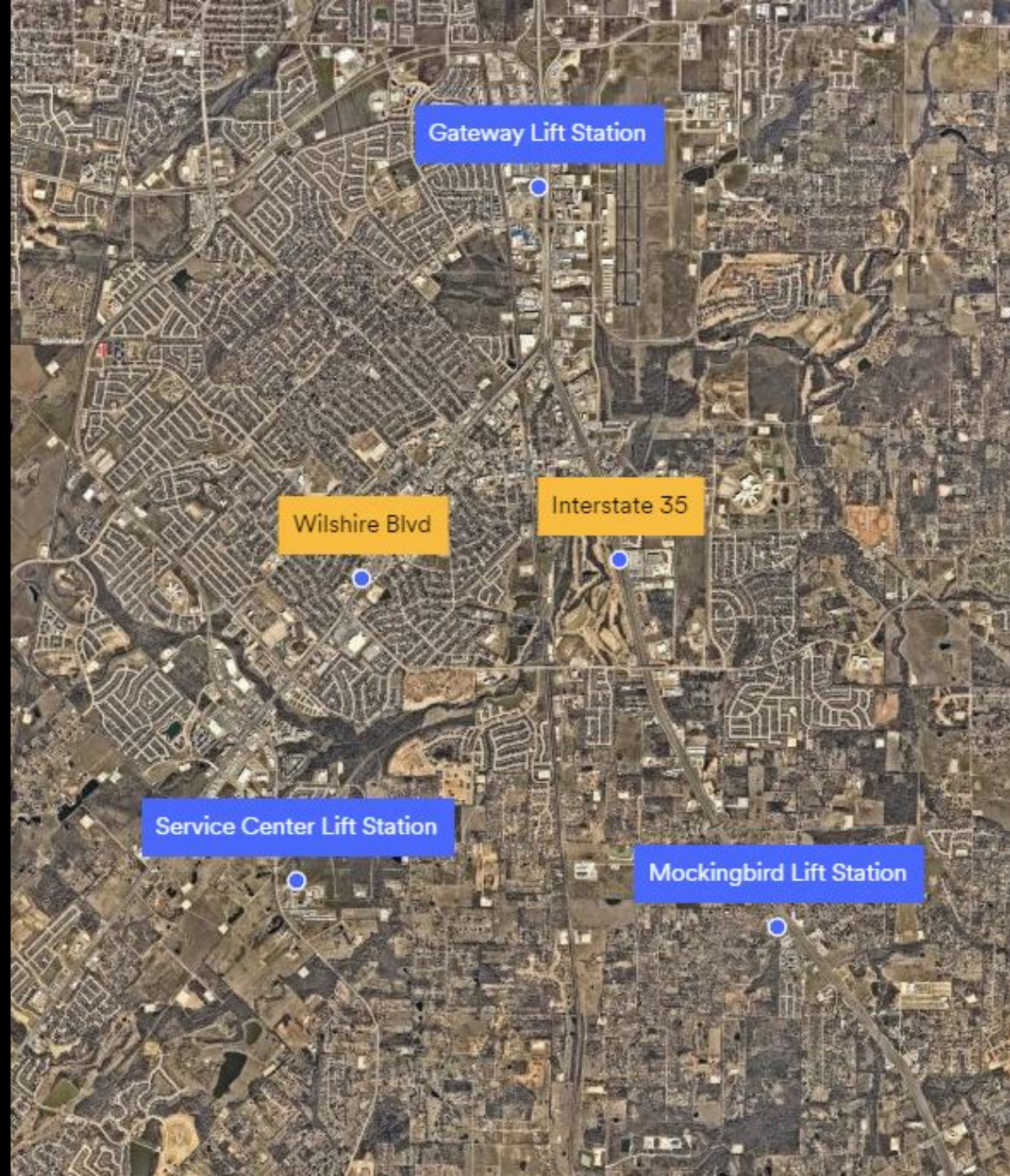


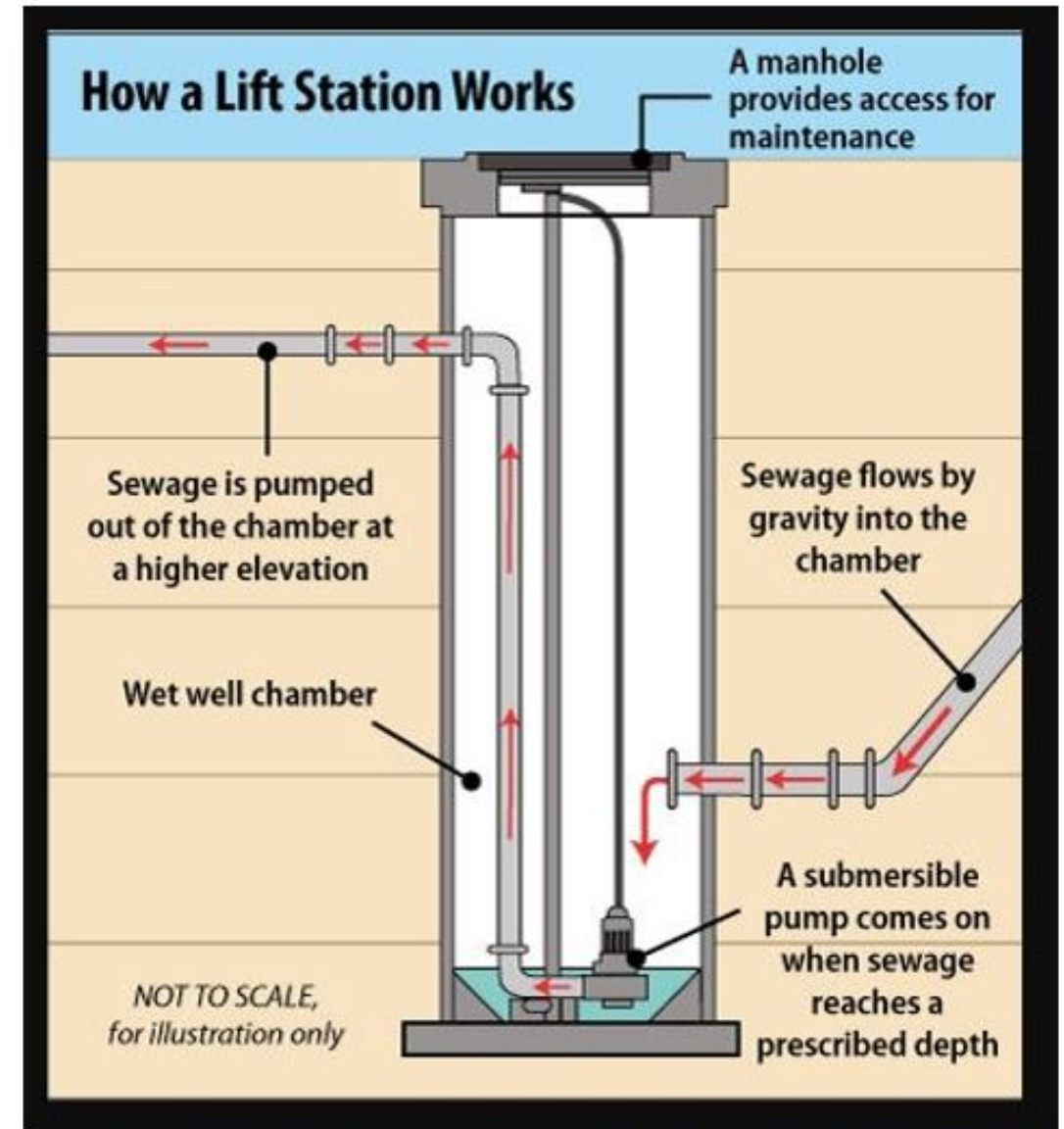
LIFT STATION REHABILITATIONS

Professional Services Agreement



LIFT STATION FUNDAMENTALS

- Sewer lines typically flow by gravity and follow the slope of the land
- Lift stations move wastewater from lower to higher elevations when topography does not accommodate gravity flow in the direction needed



<https://i0.wp.com/engineeringbasic.com/wp-content/uploads/2018/08/lift-station.gif?resize=400%2C440&ssl=1>



PROJECT OVERVIEW BY LOCATION

Lift stations are critical components of the wastewater infrastructure system and include advances electrical controls and monitoring systems. As a result, engineering design is necessary to periodically upgrade equipment. Based on a condition assessment, this project has been developed to rehabilitate these sites.

	Gateway	Service Center	Mockingbird
Wet Well Rehab	✓		
SCADA Enhancement	✓	✓	
Electrical Prep for Generator	✓	✓	
Weather Shielding	✓	✓	✓
Pump Repair / Replacement	✓	✓	
Valve Vault Drains	✓	✓	
Misc. Mechanical Upgrades	✓	✓	
Fencing			✓
Misc. Electrical Upgrades	✓		✓

GATEWAY LIFT STATION

1101 N Burleson Blvd



The station is located within a landscaped median entering the Gateway Shopping Center



Above ground components are enclosed by fencing



Electrical panel and meter are shown in the background of confined access to the in-ground equipment

SERVICE CENTER LIFT STATION

725 SE John Jones Blvd



The station serves the City Service Center



Inside the wet well



Electrical components

MOCKINGBIRD LIFT STATION

1990 S Burleson Blvd



The station serves the Mockingbird Mobile Home and RV Park



Control panels within the fence



Electrical components within one of the cabinets

PROPOSED PROFESSIONAL SERVICES AGREEMENT

Birkhoff, Hendricks, and Carter, LLP was selected to provide the engineering design necessary to rehabilitate these assets with a negotiated fee of \$75,500



SURVEY

Topographic survey to locate existing features and utilities in support of the design effort



DESIGN

Engineering plans and specifications for construction bidding



CONSTRUCTION ADMINISTRATION

Construction phase support such as review of contractor material submittals, responding to contractor requests for information (RFIs), and preparing record drawings after completion

PROJECT COST AND SCHEDULE



DESIGN

Design: Spring 2023 - Summer 2023

\$75,500

(this action)



CONSTRUCTION

Construction: Fall 2023 - Fall 2024

(Includes purchase of a trailer-mounted generator)

\$854,750

**PROJECT IS INCLUDED IN THE CURRENT CAPITAL
IMPROVEMENT PROGRAM AND WITHIN BUDGET**

OPTIONS

RECOMMENDED



APPROVE

Approve a professional services agreement with Birkhoff, Hendricks, and Carter, LLP for design of the Lift Station Rehabilitations project in the amount of \$75,500



DENY

Deny a professional services agreement with Birkhoff, Hendricks, and Carter, LLP for design of the Lift Station Rehabilitations project in the amount of \$75,500

