

June 28, 2024

Hidalgo County Commissioners Court
100 E. Cano Street
Edinburg, TX 78539

RE: Budget for Mercedes Water Well Project - Test Well Phase

Total Budget: \$150,000

1. Design Phase: \$40,000

- **Site Selection and Hydrogeological Study: \$20,000**
 - Professional fees for site evaluation and hydrogeological study to understand subsurface conditions.
- **Preliminary Design Development: \$15,000**
 - Engineering fees for developing preliminary design drawings and models.
- **Design Review and Refinement: \$5,000**
 - Costs associated with reviewing and refining the design based on study results.

2. Specifications Development: \$40,000

- **Technical Specifications Development: \$20,000**
 - Engineering and consulting fees for defining materials, equipment, and construction methods.
- **Water Quality Testing Protocols Development: \$10,000**
 - Fees for establishing protocols for water quality testing during and after well development.
- **Monitoring and Data Collection Plan Development: \$10,000**
 - Costs for creating a plan for monitoring and data collection during the test well operation.

3. Construction Development: \$70,000

- **Mobilization and Drilling Equipment: \$15,000**
 - Costs for mobilizing drilling equipment and setting up the construction site.
- **Drilling and Well Construction: \$35,000**
 - Costs for drilling to the predetermined depth, installing casing, well screens, and gravel packs.

- **Well Development and Pump Installation: \$10,000**
 - Costs associated with developing the well through air-lifting or surging and installing the test pump.
 - **Pumping Tests and Water Quality Testing: \$5,000**
 - Fees for conducting initial and extended pumping tests and performing detailed water quality tests.
 - **Data Analysis and Reporting: \$5,000**
 - Costs for analyzing the collected data and preparing a comprehensive final report.
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Summary:

- **Design Phase: \$40,000**
- **Specifications Development: \$40,000**
- **Construction Development: \$70,000**

Total Budget: \$150,000