

PHASE I – Civil Site Design, Water Storage, and Dispenser Improvements:

A. BASIC SERVICES

1. Preliminary Design Phase

- Provide preliminary site inspection and evaluation for strategy development
- Obtain and evaluate available as-built drawings, topographic data, geotechnical data and any other pertinent design information provided to the Engineer by the County
- Prepare strategy, implementation plan, and if necessary, additional engineering services fees, for the procurement of any additional data or information deficiencies encountered
- Prepare and present preliminary design construction plan set (30% submittal) to the County

2. Design Phase

- Revise the preliminary design as directed by the County
- Finalize all design calculations
- Prepare (60%) construction plan set
- Prepare (60%) contract documents
- Revise the plans and contract documents as directed by the County
- Provide necessary information to suppliers and vendors for finalized infrastructure and materials selections
- Develop and prepare final probable construction cost estimate for the construction of proposed system
- Prepare and present final design phase plans and contract documents (100% submittal) to the County and the TCEQ
- Provide status updates and documentation to the county as required by the TDA

3. Bid Phase

- Prepare and submit addenda to the contract documents (as needed)
- Coordinate and attend one (1) pre-bid meeting at the County's choice of location
- Coordinate and attend the bid-opening
- Assist the County with bid-package review and provide recommendation for contractor selection

B. ADDITIONAL SERVICES

This section defines the scope (and ALLOWANCE) for compensation for additional services that may be included as part of this contract, but the Engineer will not begin work on this section without specific written approval by the County. Fees for Additional Services are an allowance for potential services to be provided and will be negotiated by the County as required. The Engineer will, with written authorization by the County, perform the following services:

1. Surveying Services (Authorized)

- Topographical survey of the existing Colorado Acres.
- Tie in any visible above ground improvements within the site.
- Establish horizontal and vertical control with at least 2 control points closest to the project area and provide location of survey benchmarks or monuments.
- Survey the horizontal locations of the utilities as marked by One-Call.
- Construction staking shall be the responsibility of the contractor.

2. Construction Administration (Allowance)

- Coordinate and attend one (1) pre-construction meeting.
- Prepare, execute and issue official Notice to Proceed to contractor
- Provide (2) site inspections, evaluate constructed system, and prepare inspection reports (at 50% completion and at 100% completion).
- Review and process all material submittals.
- Review and process all pay requests submitted by contractor.
- Review and process any change orders (as needed).
- Issue notice of substantial completion and recommend final payment

3. Environmental Assessments/Reporting (TBD)

4. Geotechnical Services: Investigation, Report, Foundation/Pavement Design, Materials Testing (TBD)

5. Regulatory Agency Permitting (TBD)

6. Electrical, Lighting, and Instrumentation Design (TBD)

FEES:

A. Fees for Engineer's Services Include:

- The necessary coordination, correspondence, meetings and site visits for the preparation and execution of all services agreed to herein.

B. The Owner Shall Supply or Reimburse the Following:

- All available base/or site plans in AutoCAD format
- All fees for reviews and/or inspections from Regulatory Agencies
- Existing utility layouts (water, wastewater, gas and drainage)
- All printing and reproduction cost

Summary of Engineer's Fees

| BASIC SERVICES | |
|--|--------------------|
| Preliminary Design Phase | \$11,732.00 |
| Design Phase | \$18,435.00 |
| Bid Phase | \$3,352.00 |
| SUBTOTAL BASIC SERVICES | \$33,519.00 |
| ADDITIONAL SERVICES | |
| Surveying Services (Authorized) | \$6,084.00 |
| Construction Administration (Allowance) | \$8,380.00 |
| Environmental Assessments/Reporting | TBD |
| Geotechnical Services | TBD |
| Regulatory Agency Permitting | TBD |
| Electrical, Lighting, and Instrumentation Design | TBD |
| SUBTOTAL ADDITIONAL SERVICES (AUTHORIZED) | \$6,084.00 |
| TOTAL | \$39,603.00 |