

DEE JASPAR & ASSOCIATES, INC.
Consulting Civil Engineers

2730 Unicorn Road, Building A
BAKERSFIELD, CA 93308
(661)393-4796
FAX (661)393-4799



639 No. Main Street, #B
PORTERVILLE, CA 93257
(559)791-9286
FAX (559)783-9275

MEMORANDUM

TO: Board of Directors – Frazier Park Public Utility District; Lawrence Sanchez, State Waterboards; Carlos Bravo – Self Help Enterprises
FROM: Dee Jasper, P.E., District Engineer
DATE: January 31, 2024
SUBJECT: Budget for Professional Engineering Services, System Design

Attached is our estimate for preparation project plans and specifications for the Regional Water Supply System.

Section 1. General Engineering

General Engineering contains: 1. A topographic survey of the selected route, including property lines and road right of way, 2. A geotechnical investigation of the pipeline route and the pumping plant sites, resulting in a geotechnical report on the project, 3. A hydraulic analysis of the final routing of the main transmission line, considering the location of the pumping plants and location of the destination storage tanks, 4. Preparation of a plan view of the pipeline and pumping plants, 5. Preparation of an Engineer's estimate for the project as designed, 6. Preparation of an Initial Study and the required environmental documents, together with circulation of the documents and response to the comments and adoption of the completed document and 9. Meetings and general project correspondence.

Budget: \$278,639

Section 2. Well Drilling Plans and Specifications

Well Drilling Plans and Specifications includes 1. Preparation of 90% well technical specifications and bidding documents for Wells 8 and 9, 2. Review with District and Waterboards and incorporate comments, 3. Preparation of Final Plans and Specifications.

Budget: \$11,968

Section 3. Preparation of Well Equipping Plans and Specifications

Well Equipping includes 1. Assistance in acquisition of property for the well sites, 2. Well site layout and site development, 3. Well pump design, 4. Electrical and control design, 5. Preparation of 90% level plans and specifications, 6. Review with District and Waterboards and incorporate comments, 7. Preparation of Final Plans and Specifications.

Budget: \$162,901

Section 4. Preparation of Tank Booster Station Plans and Specifications

Tank and Booster Station Plans and Specifications includes 1. Property Acquisition for the tank sites, 2. Tank design and foundation design, 3. Booster pump design, 4. Electrical and control design, 5. Preparation of 90% level plans and specifications, 6. Review with District and Waterboards and incorporate comments, 7. Preparation of Final Plans and Specifications.

Budget: \$195,334

Section 5. Prepare Transmission Pipeline Plans and Specifications

Transmission Pipeline Plans and Specifications includes 1. Pipeline layout and design, 2. Preparation of preliminary plan and profile drawings, 3. Utility locating and potholing, 4. Preparation of 90% plans and specifications, 5. Review with District and Waterboards and incorporate comments, 6. Preparation of Final Plans and Specifications.

Budget: \$255,096

Section 6. Regional Project Plan Package

The Plan Package includes 1. Assembly of the appropriate bid packages, 2. Issue to the District and Waterboards for final review and comment, 3. Final Package. Project close out.

Budget: \$50,134

The attached spread sheet presents the cost of the above components for the design of the regional water system.

Total Budget Estimate: \$954,072