

November 17, 2023

Castulo Estrada
 Utilities Manager
 Coachella Sanitary District
 87075 Avenue 54
 Coachella, California 92236

Subject: Proposal for Coachella Sanitary District Tyler Street Sewer Capacity Improvements

Dear Mr. Estrada,

Dudek is pleased to submit this proposal to the Coachella Sanitary District (District) for engineering design and construction support services for the Tyler Street Sewer Capacity Improvements project. The proposed project aims to address limited capacity in a section of sewer main along Tyler Street, between Avenue 53 and Avenue 54 in the City of Coachella, CA, identified as project ID E1 in the District’s 2015 Sewer System Master Plan.

Approximately 2,663 LF of existing 8” diameter sewer main will be replaced with new 15” diameter sewer main, as shown in **Figure 1**, to increase capacity to meet the District’s current design criteria. Based on a preliminary review of the sewer alignment, the new sewer will be constructed in parallel to the existing sewer to minimize the need for sewer bypass pumping. The new sewer will tie into the existing manholes at both ends of the alignment. Based on the information available, it appears the construction work will be within the paved area of Tyler Street. The new sewer will be designed in accordance with District sewer design criteria and standard drawings.



Figure 1: Sewer Replacement Location

Dudek understands that the District has received American Rescue Plan Act (ARPA) funding for this project and is required to complete design and begin construction by the end of 2024. Our project approach is informed by the need to complete design in an expedited fashion; a schedule indicating completion of design in June of 2024 is included in the latter sections of this proposal.

Following an in person kick off meeting with District staff, Dudek will conduct field investigation to take photos and measurements of the existing alignment. Dudek will utilize local sub consultants to develop project background information including a geotechnical investigation (Gecon, Inc), survey (NV5), and potholing of utility crossings (CV-Pipeline). Based on the acquired background information, Dudek will prepare a preliminary horizontal sewer alignment (30% Design Submittal) for review and acceptance by the District. After District comments are incorporated into the preliminary alignment and the alignment has been accepted, Dudek will prepare 90% and 100% design document submittals.

Based on the size, purpose, and location of the project within existing paved areas we believe the project is categorically exempt from CEQA. We have included a task to have Dudek environmental staff validate this assumption based on the proposed alignment and assist the District in preparation of a Notice of Exemption (NOE) for the project.

Dudek's project manager, Ian Crano, PE, will serve as the point of contact for the District and Charles Greely, PE, will provide project oversight as the project Principal. This letter outlines our anticipated scope to provide engineering design services for the subject project and includes our assumptions of the level of effort required.

Scope of Work

Task 1: Project Management and Meetings

- Preparation of monthly invoices and progress reports.
- Monthly budget and schedule tracking.
- Regular communication between the Dudek project manager, District, and project team.
- Facilitation of quality control reviews for deliverables.
- Meetings:
 - Kickoff Meeting: In person kick off meeting including Dudek project manager, project engineer and appropriate District engineering, management, and operations staff. The meeting will be followed by a site visit.
 - 30% design review meeting: Zoom meeting to review the 30% design submittal and District comments.
 - 90% design review meeting: Zoom technical report meeting to review the 90% design submittal and District comments.

Deliverables:

- Meeting agendas in hard copy format for in person meetings and PDF for online meetings.
- Meeting minutes in PDF format for all meetings.

Task 2: Data Request and Review

- Review sewer as-built drawings.
- Perform utility research in the vicinity of the project.
- Geotechnical investigation and report.
- Survey of the proposed alignment.
- Potholing of utility crossings.

Deliverables:

- Geotechnical Report in PDF format.
- Pothole Report in PDF format.

Assumptions:

- Fifteen (15) pothole locations are assumed.

Task 3: Engineering Design Services

- Prepare a preliminary design submittal including 30% drawings showing the proposed horizontal sewer alignment, technical specifications table of contents with proposed specification sections, and construction cost estimate (Class 4).

- Prepare a 90% design submittal based on comments provided by the District on the 30% design comments, including the following:
 - 90% drawings including general, civil (plan and profile), and detail sheets.
 - 90% technical specifications. The specifications will be provided in Construction Specifications Institute (CSI) format. Dudek will utilize the District's "front-end" Contract Documents, Division 1 specifications (if available), and other related District specifications.
 - 90% construction cost estimate (Class 3).
 - CEQA exemption verification and assistance in District preparation of NOE.
- Prepare a 100% design submittal based on comments provided by the District on the 90% design comments, including the following:
 - 100% design drawings.
 - 100% technical specifications.
 - 100% construction cost estimate (Class 2).
- Prepare bid ready documents based on the accepted 100% design submittal, including the following:
 - Final drawings including general, plan and profile, and detail sheets.
 - Final technical specifications.
 - Final construction cost estimate (Class 2).

Deliverables:

- 30% Design drawings in PDF format.
- 90% Design drawings, 90% specifications, and 90% construction cost estimates, in PDF format.
- 100% Design drawings, 100% specifications, and 100% construction cost estimates, in PDF format.
- Bid ready design drawings and specifications in PDF format. Native files will be provided.
- Comment logs with responses for each submittal in PDF format.

Assumptions:

- District review of submittals is assumed to take 2 weeks, and all review comments for each project submittal will be provided to Dudek in a single consolidated document.
- Hydraulic modeling is not a part of the project scope.
- No new easements, temporary or construction easements, are anticipated or included as part of the scope of work at this time, but may be included through an addendum if requested.
- Front-end contract documents will be coordinated and provided by the District.
- It is assumed that the contractor will prepare the project SWPPP and be responsible for preparing and implementing traffic control drawings.

Task 4: Bid Support

- Attend Pre-bid meeting.
- Respond to bidder Requests for Information (RFI's).
- Prepare conformed drawing and specifications.

Deliverables:

- Conformed design drawings and specifications in PDF format. CAD files will be provided.

Assumptions:

- It is assumed the pre-bid meeting will be held in person.
- Up to five (5) RFI's are assumed during the bid phase.

Task 5: Engineering Support During Construction

- Attend Pre-construction meeting.
- Respond to Contractor provided RFI's.
- Review construction submittals.
- Prepare conformed drawing and specifications.

Deliverables:

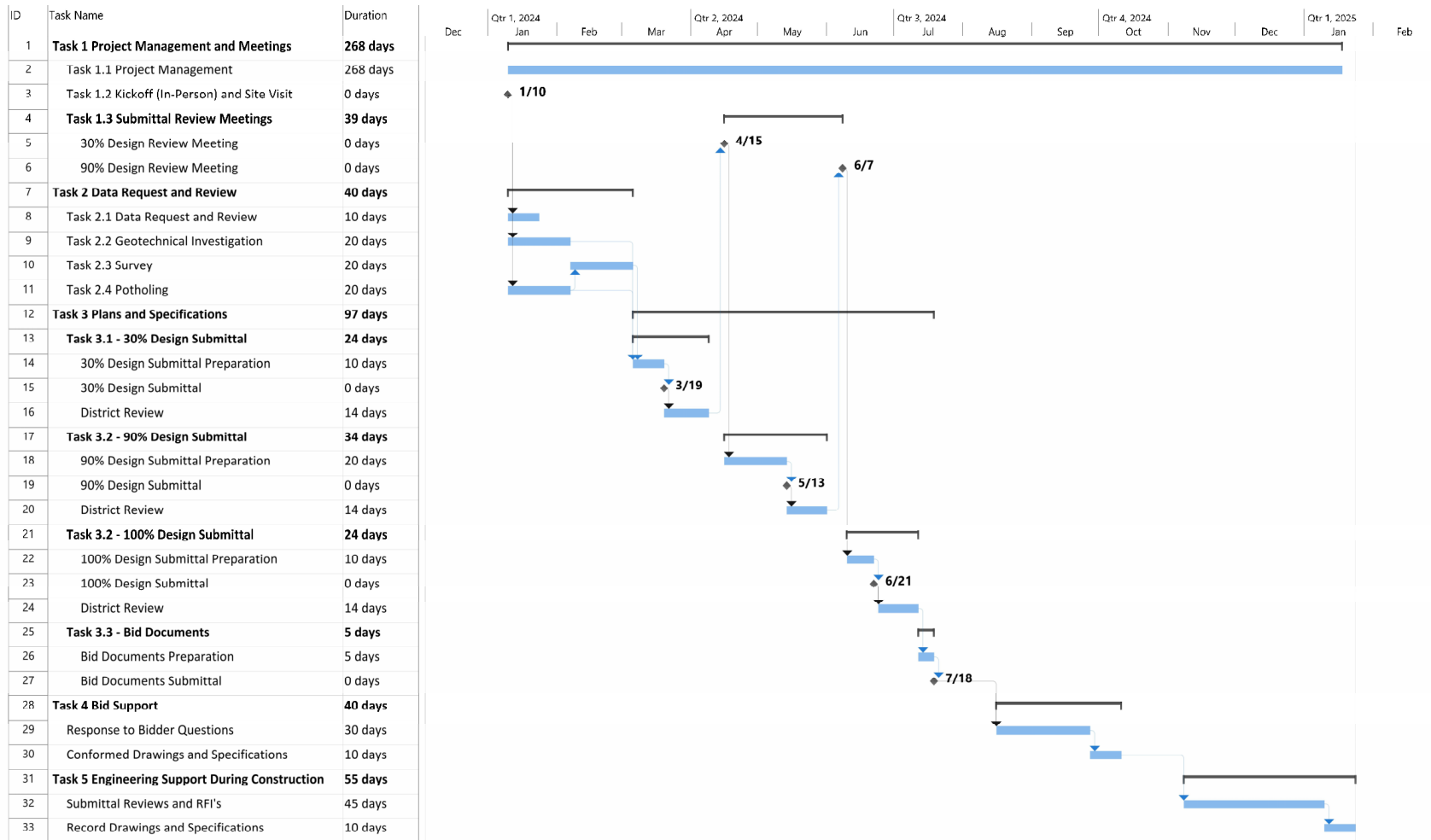
- Record drawings in PDF format. CAD files will be provided.

Assumptions:

- It is assumed the pre-construction meeting will be held in person.
- Up to five (5) RFI's are assumed during the construction phase.
- Up to ten (10) original submittals, including one resubmittal for each, are assumed during construction.

Schedule

Dudek proposes the following draft project schedule.



Fee

The table below summarizes the anticipated level of effort for each task.

Dudek Labor Hours and Rates						Subconsultant Fees					
Project Team Role: PIC - QA/QC Team Member: C. Greely	Project Manager I. Crano	CEQA A. Hardy	Project Engineer H. Markle	TOTAL DUDEK HOURS	DUDEK LABOR COSTS	Geotechnical	Survey	Potholing	OTHER DIRECT COSTS	TOTAL FEE	
						Geocon Fee	NV5 Fee	CV Pipeline Fee			
Billable Rate :	\$315	\$271	\$227	\$205							
Task 1	Project Management and Meetings										
1.1	Project Management and Coordination		8		8	\$ 2,168					\$ 2,168
1.2	Kickoff Meeting & Site Visit		8		20	\$ 4,628			\$ 210		\$ 4,838
1.3	Submittal Review Meetings	2	2		10	\$ 2,402					\$ 2,402
	Subtotal Task 1	2	18	0	18	\$ 9,198	\$ -	\$ -	\$ -	\$ 210	\$ 9,408
Task 2	Data Request and Review										
2.1	Data Request and Review		2		26	\$ 5,462					\$ 5,462
2.2	Geotechnical Investigation		1		1	\$ 271	\$ 21,131				\$ 21,402
2.3	Survey		1		1	\$ 271		\$ 15,140			\$ 15,411
2.4	Potholing		1		4	\$ 1,091			\$ 6,883		\$ 7,974
	Subtotal Task 2	0	5	0	28	\$ 7,095	\$ 21,131	\$ 15,140	\$ 6,883	\$ -	\$ 50,249
Task 3	Engineering Design Services										
3.1	30% Design Submittal	1	8		40	\$ 10,683					\$ 10,683
3.2	90% Design Submittal	2	24		120	\$ 31,734					\$ 31,734
3.3	CEQA Exemption Determination		1	10	11	\$ 2,406					\$ 2,406
3.4	100% Design Submittal	1	12		24	\$ 8,487					\$ 8,487
3.5	Bid Documents	1	2		8	\$ 2,497					\$ 2,497
	Subtotal Task 3	5	47	10	192	\$ 55,807	\$ -	\$ -	\$ -	\$ -	\$ 55,807
Task 4	Bid Support Services										
4.1	Pre-Bid Meeting		8		8	\$ 3,808				\$ 210	\$ 4,018
4.2	Response to Bidder Questions		2		10	\$ 2,592					\$ 2,592
4.3	Conformed Drawings and Specifications	1	2		8	\$ 2,497					\$ 2,497
	Subtotal Task 4	1	12	0	26	\$ 8,897	\$ -	\$ -	\$ -	\$ 210	\$ 9,107
Task 5	Engineering Support During Construction										
5.1	Preconstruction Meeting		8		8	\$ 3,808				\$ 210	\$ 4,018
5.2	Submittal Reviews		8		30	\$ 8,318					\$ 8,318
5.3	RFI's		5		10	\$ 3,405					\$ 3,405
5.4	Record Drawings and Specifications	1	2		8	\$ 2,497					\$ 2,497
	Subtotal Task 5	1	23	0	56	\$ 18,028	\$ -	\$ -	\$ -	\$ 210	\$ 18,238
Total Hours and Fee without Options		9	105	10	320	\$ 99,025	\$ 21,131	\$ 15,140	\$ 6,883	\$ 630	\$ 142,808

Total Time and Materials Not to Exceed.....\$142,808.00

Closing

We appreciate the Coachella Sanitary District's consideration of the above proposal. Should you have any questions please reach out to Ian Crano at 760.479.4163 or icrano@dudek.com. We look forward to continuing our work with the District.

Sincerely,

Ian Crano, P.E.

A handwritten signature in black ink, appearing to read "Ian Crano", with a stylized flourish at the end.

Project Manager

DUDEK