

Schaaf & Wheeler
CONSULTING CIVIL ENGINEERS

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January 11, 2018

Mr. Mike Wegley, PE
District Engineer
Marina Coast Water District
2840 4th Avenue
Marina, CA 93933

Subject: Proposal for Ord Village Lift Station Improvements

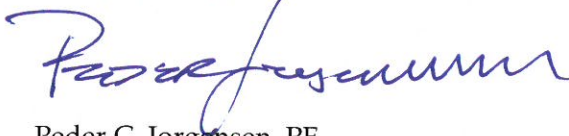
Dear Mike:

Schaaf & Wheeler is pleased to propose engineering services for the **Ord Village Lift Station Improvements**. The District desires to connect this pump station to the MRWPCA Seaside Interceptor force main, and discontinue the use of the existing Ord Village force main. Due to the change in operating conditions, the project may include adding variable frequency drives to the existing pumps.

Our detailed scope of work and fee estimate are attached. Our estimated fee for this project is \$75,900. Costs will be billed on a time and materials basis, with a not-to-exceed limit. As part of our on-call contract, our standard rates will be discounted by 6%.

We thank you for this opportunity to propose services for the **Ord Village Lift Station Improvements**. Should you need any further information, please contact Andy Sterbenz at (831) 883-4848 or asterbenz@swsv.com.

Sincerely,
Schaaf & Wheeler



Peder C. Jorgensen, PE
Vice President

Encl.

Scope of Work: Ord Village Lift Station Improvements

Schaaf & Wheeler will prepare plans and specifications for the Ord Village Lift Station Improvements Project. Specific tasks are outlined below.

1. Project Management and Meetings. Schaaf & Wheeler will manage our electrical sub-consultant, Fehr Engineering, and coordinate with the District's survey and environmental consultants. We anticipate two meetings at 60% and 90% design review.
2. Basis of Design Report. Schaaf & Wheeler will prepare a basis of design report that explains how the station will operate in conjunction with the MRWPCA force main. We will contact the MRWPCA to determine how the Seaside Pump Station operates and their preferences and requirements for controls and signals at the Ord Village lift station. The design will need to include a work sequence which allows for draining the existing 10" force main.
3. Plans, Specifications and Estimates. Schaaf & Wheeler will prepare project plans, technical specifications and construction cost estimates for the project. Plans will be on Arch-D sized sheets. Specifications will use the CSI standard numbering system and format. As part of this task, Whitson Engineers will prepare a topographic survey of the project site to be used as the project base map. Electrical design will be by Fehr Engineering. Plans will be submitted at 60% and 90% complete for review by the District. Final plans will be sealed by California Registered Engineer.
4. Permitting support. The Ord Village lift station is located in an easement within the Fort Ord Dunes State Beach lands. Schaaf & Wheeler will assist with obtaining permits for the work with California State Parks, attending meetings and preparing exhibits as needed..
5. Bid Phase Support. Schaaf & Wheeler will attend the pre-bid conference, respond to bidder requests for information and prepare clarifications or addenda as needed.
6. Construction Phase Support. Schaaf & Wheeler will attend the pre-construction conference, review contractor submittals, and attend progress meetings and system start-up. We will respond to contractor requests for information and issue addenda and clarifications as needed.
7. Record drawings. When the work is completed, Schaaf & Wheeler will publish record drawings of the plan set, picking up the contractor and inspector red-line changes. We will then post those changes to the District's system map in CAD.

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Client: MCWD
Project: Ord Village Lift Station
Task: MRWPCA Connection
Estimate Date: 1/8/2018

NO.	TASK ITEMS DESCRIPTION	PRINCIPAL PRJ MGR \$216.80	SENIOR PRJ MGR \$206.80	SENIOR ENG \$192.70	ASSOC ENG \$173.90	ASST ENG \$155.10	JUNIOR ENG \$145.70	SUBTOTAL M.H.'S	IN-HOUSE LABOR COSTS \$	IN-HOUSE MATERIAL COSTS \$	FEHR ENGINEER ELEC.	TOTAL COSTS \$ W/ MARK-UP	TASK TOTAL
1	Project Management and Meetings												\$1,532
	Contracting		4					4	\$827			\$827	
	60% Review Meeting		1				1	2	\$353			\$353	
	90% Review Meeting		1				1	2	\$353			\$353	
2	Basis of Design Memo												\$6,197
	Analysis and Memorandum	4	12				12	28	\$5,097		\$1,000	\$6,197	
3	Plans, Specifications, Estimates												\$39,888
	60% Design Package	4	40				60	104	\$17,881		\$4,000	\$22,281	
	95% Design Package	4	20				20	44	\$7,917	\$200	\$1,000	\$9,237	
	Final Bid Documents		20				20	40	\$7,050	\$200	\$1,000	\$8,370	
4	Permitting Support												\$2,820
	Attend meetings and prepare exhibits, as needed		8				8	16	\$2,820			\$2,820	
5	Bid Phase Services												\$5,067
	Pre-Bid Conference		2				4	6	\$996			\$996	
	Respond to RFI's (assume 2)		2				8	10	\$1,579			\$1,579	
	Prepare Addenda (assume 2)		4				8	12	\$1,993			\$1,993	
	Bid Evaluation		1				2	3	\$498			\$498	
6	Engineering During Construction												\$18,547
	Pre-Construction Meeting		4			4		8	\$1,448			\$1,448	
	Submittal Reviews		4	4		32		40	\$6,561		\$2,500	\$9,311	
	Site visits/meetings (assume 3)		6			12		18	\$3,102		\$500	\$3,652	
	Respond to RFI's (assume 4)		8			16		24	\$4,136			\$4,136	
7	Prepare Record Drawings												\$1,764
	Post Contractor's as-built mark-ups		2			8		10	\$1,654	\$100		\$1,764	
	Total	12	139	4	0	72	144	371	\$64,266	\$500	\$10,000	\$75,816	
ROUNDED TOTAL												\$75,900	

10.0%