


**AGENDA**

**ENGINEERING COMMITTEE MEETING  
LEUCADIA WASTEWATER DISTRICT**  
Wednesday, April 5, 2017 – 8:30 a.m.  
1960 La Costa Avenue, Carlsbad, CA 92009

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1. **Call to Order**
2. **Roll Call**
3. **Public Comment**
4. **New Business**
  - A. Authorize the General Manager to execute an agreement with Stanek Constructors, Incorporated for construction services to complete the Gafner Advanced Water Treatment (AWT) Improvements Project in an amount not to exceed \$659,000. (Pages 2 - 7)
  - B. Authorize the General Manager to execute an as needed Engineering Design Services contract with Infrastructure Engineering Corporation (IEC). (Pages 8 - 9)
  - C. Authorize the General Manager to execute a sole source three-year base professional services agreement with Dexter Wilson Engineering, Incorporated for Engineering Consulting Services in an amount not to exceed \$345,000 with an option for two additional years. (Pages 10 – 18)
5. **Information Items**
  - A. Impact of the Severe Storm that occurred on February 27, 2017 on the District's Collection System (verbal)
6. **Directors' Comments**
7. **General Manager's Comments**
8. **Adjournment**

## MEMORANDUM

**DATE:** March 30, 2017  
**TO:** Engineering Committee  
**FROM:** Paul J. Bushee, General Manager   
**SUBJECT:** **Gafner Advanced Water Treatment (AWT) Improvement Project Construction**

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**RECOMMENDATION:**

Staff requests that the Engineering Committee recommend that the Board of Directors:

1. Authorize the General Manager to execute an agreement with Stanek Constructors, Incorporated for construction services to complete the Gafner Advanced Water Treatment (AWT) Improvements Project in an amount not to exceed \$659,000.
2. Discuss and take other action as appropriate.

**BACKGROUND:****Tactical Goal: Infrastructure and Technology / Gafner AWT Improvement Project**

The Gafner AWT (Gafner) was last upgraded in 1993 to meet recycled water regulatory standards and has not undergone a major rehabilitation or equipment replacement since then. The 2013 Asset Management Plan (AMP) recommended that the District complete a Gafner condition assessment within five years to identify plant rehabilitation or replacement projects for the District's Capital Improvement Program. As you may recall, in May 2016 the Board received and filed the Gafner Condition Assessment Report completed by Infrastructure Engineering Corporation (IEC). To continue to the project design phase, in July 2016 the Board authorized the execution of Task Order No. 27 with IEC.

IEC completed project design in October 2016. The project was advertised for bids and five bids were received on November 17, 2016. However, all bids were rejected due to the high bids received. The project scope and construction sequence were evaluated by staff and IEC in an effort to reduce the bid price. The replacement of three turbidity meters was completed separately by staff, the provision for a spare submersible pump was removed and two construction periods were reduced to one by increasing the material procurement time prior to construction.

**DISCUSSION:**

On March 6, 2017 the revised Gafner Improvements Project was advertised for sealed bids. The bids were due on Thursday, March 23<sup>rd</sup>. Six bids were received with the following results:

<u>Construction Firm</u>	<u>Bid Submitted</u>
AToM Engineering Construction, Incorporated	\$547,000
NeWest Construction Company, Incorporated	\$548,000
SCW Contracting Corporation	\$571,447
Stanek Constructors, Incorporated	\$659,000
CW Roen Construction Company	\$678,000

The bids were reviewed by Marie Fawcett and Jamie Fagnant at IEC. The bid review memorandum is attached for your review. Due to the potential ramifications of improper installation of equipment critical to compliance with Title 22 regulations in providing recycled water, and the potential loss of service in providing recycled water if the project is not completed in a timely fashion, the bid documents required a stringent set of experience requirements that the bidding contractors were required to submit with their bids. These experience requirements included five different areas of construction that the Contractor would be required to have sufficient experience including concrete rehabilitation, installation of submersible and vertical turbine pumps and mixing equipment, and replacement and/or refurbishment of structural steel. The Contractor was required to submit references for the successful completion of three projects for each area of expertise requiring documentation. The three lowest bidders did not meet the experience requirements for the project. AToM Engineering failed to submit any project and reference information. NeWest Construction did not have sufficient experience for installation of vertical turbine pumps. SCW Contracting did not meet the concrete rehabilitation, vertical turbine pump installation and steel support beam replacement and/or refurbishment experience requirements. Therefore, Stanek Constructors (Stanek) was the lowest responsive and responsible bidder.

Stanek's bid of \$659,000 is 27% more than the engineer's opinion of probable cost of \$518,000. IEC believes that the bid costs reflect the current market conditions, reasonably stringent installation guidelines, the project complexity and required time constraints, and a premium related to the relatively small scope of the project.

As a result of their evaluation, IEC recommends that Stanek be awarded the contract as the lowest responsive and responsible bidder. Staff agrees with IEC's assessment. Although the bid amount is significantly higher than the budgeted and estimated construction cost, staff believes this project is crucial for Gafner to operate efficiently and safely and comply with regulatory requirements. Therefore, staff recommends that the Board award the construction contract for the Gafner Improvements Project to Stanek Constructors, Inc. in an amount not to exceed \$659,000.

#### **FISCAL IMPACT:**

Staff appropriated funds in the FY 2017 Budget in anticipation of this project. However, the budgeted amount for construction of \$385,000 will not cover the full cost of construction. Staff will request additional funding of \$340,000 in the FY 2018 Budget to cover the cost of construction and a ten percent (10%) contingency.

rym:PJB

Attachment



***BID REVIEW MEMORANDUM***

Date: March 30, 2017

Subject: **Gafner AWT Improvements Project**

Prepared By: Marie W. Fawcett, EIT  
Reviewed By: Jamie Fagnant, P.E.

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**PURPOSE**

This memorandum provides a summary of our evaluation of bid results and the responsiveness of the submitted bids for the subject project.

**BID RESULTS**

Five bids were received and opened on March 23, 2017. The bids are summarized on Table 1 - Bid Summary (see attached) and characteristics of the bids are as follows:

Apparent Low Bid:	\$547,398
Lowest Responsive Bid:	\$659,000
Average Bid:	\$614,112
High Bid:	\$678,000
Engineer's Opinion of Probable Cost:	\$518,000

The low bid was approximately 6% greater than the engineer's opinion of probable cost, and the lowest responsive bid is approximately 21% greater than the engineer's opinion of probable construction cost. IEC reviewed the five bids and found that the bid item amounts were similar between the five bidders and roughly correlated to the engineer's opinion. Although the bid cost is slightly higher than the engineer's opinion of probable construction cost, it is our opinion that the bid costs reflect the current market conditions, reasonably stringent installation guidelines, the project complexity and required time constraints, and a premium related to the relatively small scope of the project. It is our opinion that the bid costs are reasonable and do not constitute grounds to reject the received bids.

**EXPERIENCE REQUIREMENTS**

Due to the potential ramifications of improper installation of equipment critical to the District's compliance with Title 22 regulations in providing recycled water, and the potential loss of service in providing recycled water if the project is not completed in a timely fashion, the District required a stringent set of experience requirements that the bidding contractors were required to document with their bids. These experience requirements included five different areas of construction that the Contractor would be required to have sufficient experience in including concrete rehabilitation, installation of submersible and vertical turbine pumps and mixing equipment, and replacement and/or refurbishment of structural steel. The Contractor was required to submit references for the successful completion of three projects for each area of expertise requiring documentation. Of the five received bids, only Stanek Constructors, Inc. (Stanek) provided references for three successfully completed projects for each required area of expertise. Stanek Constructors, Inc. were carried forward for further review as the apparent lowest responsive bidder.





## REVIEW OF STANEK CONSTRUCTORS, INC.

**Contractor's License:** The Contractor holds the required Class A License (No. 869424). The license is current and active.

**Bid Bond:** A bid bond in the amount of ten percent (10%) of the bid amount was submitted with Great American Insurance Company as surety. This surety company has a rating of A+ with Best's Key Rating Guide.

**Signatures:** The Contractor's President, Robert S. Stanek, signed the Closing Statement. The Contractor's Vice President, George Foote, signed the Closing Statement, Non-Collusion Affidavit, and Bidders Bond.

**Addenda Acknowledged:** Addendum No. 1 was acknowledged by Stanek. The Contractor's Vice President, George Foote, signed the Addendum Certification Form included in the bid documents.

**Project Manager's Experience:** A resume for the project manager was not included in any of the bids. IEC contacted Stanek regarding their proposed project manager. The proposed project manager was identified as the project manager for several of the projects included in their submitted references. The experience noted in these references is sufficient to document the proposed project manager's experience.

**Approach to Work and Safety Policies:** The Contractor included a summary of their work and safety policies sufficient as outlined below.

- Stanek begins every project by identifying the superintendent to be ultimately responsible for onsite safety. They try to identify the expected hazards that may be encountered during the life of the project.
- Stanek holds weekly tail gate meetings every Monday morning, and perform a weekly job walk inspecting the site for unsafe conditions and correct immediately. For every new work activity, they develop a Job Safety Analysis (JSA) identifying the work that must be completed along with identifying all the tools, equipment, manpower, and safety equipment required to perform the task safely.
- Stanek requests that their insurance company visit the site quarterly and perform an inspection. At this time, they also are asked to provide any specific training required. They frequently ask the rental companies to perform training on the rental or purchased equipment, such as fork lifts or scissor lifts.

**Worker's Compensation Insurance:** Policy is in affect through 07/01/2017. The most recent workers' compensation experience modification factor for SCI in the State of California is 1.40.

**References:** IEC contacted Stanek's listed references to perform an assessment of the Contractor's prior work. In all cases, Stanek was recommended as a good contractor with no record of claims.

**Registration with the Department of Industrial Relations (DIR):** As of 03/01/2015 contractors and their subcontractors are required to be registered with the DIR prior to bidding a public works project. The table below demonstrates that SCI and each of its subcontractors have met this requirement.



Contractor Legal Name	Registration Number	Registration Date	Expiration Date
STANEK CONSTRCTORS, INC.	1000000499	06/07/2016	06/30/2017
SOUTHERN CONTRACTING	1000002172	05/25/2016	06/30/2017
MC PAINTING	1000026859	05/23/2016	06/30/2017

Source: <https://efiling.dir.ca.gov/PWCR/Search.action>

**List of Subcontractors:**

- MC Painting – License 695478 – Portion on Work: Painting
- Southern Contracting – License 222252 – Portion on Work: Electrical

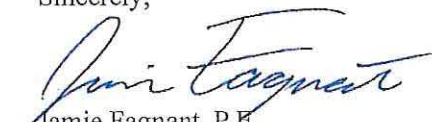
The contract documents also require the contractor to specifically utilize Base9 for this work, as described in Bid Item Line No. 14 - System Integration by Base9. The Base9 quote for that bid item is \$4000.

**RECOMMENDATION**

IEC recommends award of the Gafner AWT Improvements Project contract to Stanek Constructors, Inc.

Thank you for the opportunity to provide a bid review memorandum for the Gafner AWT Improvements Project. If you have any questions regarding this review please do not hesitate to call me at 858.413.2400.

Sincerely,

  
Jamie Fagnant, P.E.  
Senior Project Engineer


Attachments  
Table 1 – Bid Summary

Cc: Jane Costello, P.E.

Leucadia Wastewater District  
Gafner AWT Improvement Project  
Table 1 - Bid Summary

Item	Description	Unit	Qty.	Engineer's Opinion of Probable Construction Cost	Unit Cost	AToM Engineering	NEWest Construction Company	SCW Contracting	Stanek Construction Inc	CW Roen
1	Mobilization, Bond, Permits, Cleanup and Demobilization	LS	1	\$25,000		\$22,198	\$27,000	\$28,562	\$30,000	\$32,000
2	Demolition	LS	1	\$60,000		\$18,000	\$30,000	\$54,765	\$70,000	\$62,000
3	Fail/Safe Pumps	\$/EA _____	3	\$40,000	\$20,000	\$58,000	\$37,600	\$48,672	\$60,000	\$54,000
4	Fail/Safe Piping, Valves, Pressure Gauges, and Other Piping Appurtenances and Painting, Remounting of Secondary Effluent and RW Supply Pumps	LS	1	\$45,400		\$47,000	\$38,000	\$60,546	\$55,000	\$119,000
5	Reactor Clarifier Mixer - Rapid Mix	LS	1	\$25,000		\$25,000	\$30,000	\$29,720	\$25,000	\$25,000
6	Reactor Clarifier Mixer - Flocculator	LS	1	\$28,000		\$24,000	\$24,000	\$30,960	\$28,000	\$25,000
7	Chlorine Contact Tank - Rapid Mixer	LS	1	\$41,000		\$26,000	\$24,000	\$28,307	\$27,000	\$26,000
8	Three Way Plug Valves and Actuators	\$/EA _____	3	\$71,000	\$33,900	\$102,000	\$98,400	\$98,079	\$99,000	\$117,000
9	Structural Steel Pump Supports	LS	1	\$82,500	\$7,000	\$39,000	\$30,500	\$26,715	\$35,000	\$50,000
10	Structural Rehabilitation - Influent Well and Clearwell - Concrete Crack Repair	\$/LF _____	500			\$31,500	\$27,500	\$25,000	\$23,000	\$30,000
11	Structural Rehabilitation - Influent Well and Clearwell - Concrete Surface Repair	\$/CUFY _____	60		\$10	\$23,200	\$17,600	\$16,080	\$14,000	\$17,000
12	Structural Rehabilitation - Influent Well and Clearwell - Concrete Misc Repair for Blemishes, Holes, Embedded Bolt Removal. Actual Allowance to be determined during construction.	BID ALLOWANCE	1		\$60	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
13	Electrical Improvements	LS	1	\$39,875		\$46,000	\$50,800	\$63,176	\$60,000	\$43,000
14	System Integration by Base 9	LS	1	\$4,000		\$4,000	\$4,000	\$4,000	\$4,000	\$4,000
15	Handrails	\$/LF _____	150	\$14,000		\$28,500	\$46,200	\$19,050	\$48,000	\$18,000
16	Grating	\$/SF _____	400	\$13,000	320	\$24,000	\$34,000	\$12,400	\$40,000	\$32,000
17	Paintlin and Grating Covers	LS	1	\$5,000	90	\$24,000	\$23,400	\$20,415	\$36,000	\$19,000
Engineer's Opinion of Probable Construction Cost				Total:	\$518,000	\$547,398	\$548,000	\$571,447	\$659,000	\$678,000
\$518,000				Check Total:						
Amount in Words:						\$547,398	\$548,000	\$571,447	\$659,000	\$678,000

**MEMORANDUM**

**Date:** March 30, 2017  
**To:** Engineering Committee  
**From:** Paul J. Bushee, General Manager   
**Subject:** Award of District As-Needed Engineering Design Services

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**RECOMMENDATION:**

Staff requests that the Engineering Committee recommend:

1. The Board of Directors authorize the General Manager to execute an as-needed Engineering Design Services contract with Infrastructure Engineering Corporation (IEC).
2. Discuss and take other action as appropriate.

**DISCUSSION:**

In order to continue execution of the Asset Management Plan (AMP) and repair collection system defects that are found as a result of the focus on Closed Circuit Television (CCTV) Inspection program (Repair Priority List), it is necessary for the District to secure engineering design services. For the past 11 years, Infrastructure Engineering Corporation (IEC) has provided excellent design services to the District. However, Staff believes it is prudent to periodically undertake a Request for Proposal (RFP) process to prevent complacency and to evaluate firms that are willing to provide these services.

To select an engineering firm, Staff developed an engineering design services RFP. The typical core services to be provided by the selected firm will be:

1. Project design services, to include preliminary design review/evaluation and final design. The final design will result in the development of technical specifications and plans for bidding the project.
2. Bidding assistance, to include technical support during the bid phase, pre-bid conference attendance, preparation of bid addenda, evaluation of bids and award recommendation.
3. Office engineering services during the construction phase. This includes attending the pre-construction conference(s); providing technical interpretation of specifications and drawings; reviewing shop drawings and construction submittals for technical compliance; and answering inquiries, Request for Information (RFI), made by the Contractor regarding design issues.

The agreement is for an initial 3 year term with an option for a 2 year extension of services. These terms were selected for efficiency and to allow for continuity of service beyond the initial term should the selected consultant's performance warrant it.



In December 2016, Staff advertised the RFP and distributed it to 29 firms. Proposals were submitted by the following five (5) consultants:

CONSULTANT	CONSULTANT
1. Dudek	4. Psomas
2. Infrastructure Engineering Corporation	5. T.Y. Lin International
3. Lee & Ro	

The proposals were evaluated by a four (4) person panel consisting of District Staff, Richard Stinson and Dexter Wilson. Additionally, Director Juliussen reviewed the proposals as an observer in the process. As a result, the following three firms were short listed for interviews:

1. Dudek
2. Infrastructure Engineering Corporation (IEC)
3. Psomas

The three firms were interviewed on March 8, 2017 by District Staff and Richard Stinson. As a result of the interviews, IEC was evaluated to be the most qualified firm to provide the required engineering services.

Therefore, it is recommended that the as needed Engineering Design Services contract be awarded to IEC. This agreement does not have a specific compensation amount associated with it. Each design project will be issued using task orders to the agreement containing a negotiated compensation amount. If the compensation amount of an individual task order exceeds the thresholds established in the District's Purchasing Policy, the task order will require Board approval prior to execution.

rym:PJB

**MEMORANDUM**

**DATE:** March 30, 2017  
**TO:** Engineering Committee  
**FROM:** Paul J. Bushee, General Manager   
**SUBJECT:** Professional Services Agreement with Dexter Wilson Engineering, Incorporated for Engineering Consulting Services

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**RECOMMENDATION:**

Staff requests that the Engineering Committee recommend that the Board of Directors:

1. Authorize the General Manager to execute a sole source three-year base professional services agreement with Dexter Wilson Engineering, Incorporated for Engineering Consulting Services in an amount not to exceed \$345,000 with an option for two additional years.
2. Discuss and take other action as appropriate.

**DISCUSSION:**

District Engineer Steve Deering recently announced his retirement effective the end of June 2017 ending a distinguished 21 year career as District Engineer. The District Engineer is a critical consultant position that integrates with staff to address and resolve engineering issues related to the Capital Improvement Program, asset management, development and daily collection systems operations and maintenance. Staff has discussed and considered who would be a suitable replacement. As a result, staff recommends Dexter Wilson as the appropriate person for District Engineer and requests authorization for the General Manager to execute a sole source professional services agreement with Dexter Wilson Engineering, Incorporated (DWE) for a three year base period, from July 1, 2017 to June 30, 2020, with an option to extend the agreement for two additional years.

In the past, DWE has provided engineering consultant services to the District such as developing, updating and annually auditing the Sewer System Management Plan (SSMP); developing and updating the Asset Management Plan; and developing the Island Area Plan. Through their experience, they have gained a unique working knowledge and technical expertise of the District and the operation and maintenance of the collection system. For these reasons, the procurement of the District Engineer services satisfies the criteria for sole sourcing allowed under Section 11.1, Sole Source Procurement, of the District's Procurement Policy. Therefore, staff is recommending that the Board approve the District Engineer contract on a sole source basis.

The attached is a summary of the scope of work and DWE's proposal for review. The tasks include services that support District Engineering, Capital Improvement Program and development functions.

The proposed annual fee for DWE services is approximately \$115,000 per year for a total of \$345,000 over the initial three-year agreement period. Sufficient funds to cover these services for Fiscal Year 2018 will be included in the annual budget. Therefore, staff requests that the Engineering Committee recommend that the Board of Directors authorize the General Manager to execute a sole source three-year professional services agreement with Dexter Wilson Engineering, Inc.

rym:PJB

Attachments

## **ENGINEERING CONSULTING SERVICES SCOPE OF WORK**

Dexter Wilson Engineering (Consultant) shall provide the following services, which are necessary to continue District Engineering (DE) and Capital Improvement Program Management (CIPM) Consulting Services. General descriptions of the respective consulting services to be provided at the discretion of the District are as follows:

### **1. District Engineering**

- Provide general Professional Engineering guidance to the District staff and Board of Directors;
- Attend Board Meetings and Engineering Committee Meetings;
- Interface with District Legal Counsel and other District consultants;
- Represent the District in meetings and matters relating to land development, District planning, interagency relations, and other District matters;
- Interface with the general public and District customers;
- Interpret the District's standard specifications and policies as related to engineering issues;
- Complete other tasks as directed.

### **2. Capital Improvement Program Management**

- Assist with technical review of CIP projects;
- Attend CIP project review and scheduling meetings;
- Attend contractor pre-bid meetings and bid openings, as requested by the District;
- Provide contractor construction bid evaluations;
- Assist District with preparation, distribution and advertisement of District RFP's;
- Assist the District with long range planning and implementation of the Wastewater CIP;
- Complete other tasks as directed.

### **3. Development Plan Checking and Construction Inspection**

- Conduct development plan checking, construction inspection of development projects, and miscellaneous development related work as requested by District and as-needed. All work conducted by Developers shall be funded by Developer deposits to the District. Expenses and invoicing shall be tracked by District Location Codes for each development task.

The DE and CIPM services shall be billed and tracked on a time and materials basis with initial estimated limits of approximately \$64,300 and \$50,700, respectively, for each component. The DE and CIPM budgets augment each other, only as necessary, and to the extent that the total initial annual fee authorization of \$115,000 is not exceeded without further District authorization. Development Plan Checking and Construction Inspection shall be billed and tracked on a time and materials basis as-needed, as funded by Developers, and as-authorized by the District.

The hourly billing rate for DWE's services will be maintained for the first three years of the contract. The hourly rates will be reviewed with mutually acceptable consideration given to adjustment after the initial three years upon exercise of the option to renew or extend the agreement for two (2) additional years.

Expended-to-date and projected fees will be reviewed by Consultant with the District on a monthly basis at the time of invoicing.

## DEXTER WILSON ENGINEERING, INC.

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DEXTER S. WILSON, P.E.  
ANDREW M. OVEN, P.E.  
STEPHEN M. NIELSEN, P.E.  
NATALIE J. FRASCHETTI, P.E.

March 29, 2017

103-000

Leucadia Wastewater District  
1960 La Costa Avenue  
Carlsbad, CA 92009

Attention: Paul Bushee, General Manager

Subject: Proposal for District Engineering Services for FY2017/18

We are pleased to provide the Leucadia Wastewater District with the following proposal for engineering services. The work, as further described in the Scope of Services below, consists of providing District Engineering Services, which include attending Board and Engineering Committee meetings, assisting with management of the Capital Improvement Program, and performing development driven tasks.

The detailed scope of services is provided below. Exhibit "A" provides a summary of the scope as well as an estimate of hours and costs by task which total to \$114,660. The hours spent on each task are an estimate of what will be requested by the General Manager and are subject to change. Exhibit B presents the schedule of rates for Dexter Wilson Engineering, Inc. We propose to maintain these rates for the District for a three year period. As such, the total amount of this proposal is for \$343,980 to provide District Engineering Services for FY 2017/18, FY 2018/19, and FY 2019/20.



**SCOPE OF SERVICES**

**Task 1 – District Engineering**

- a. Provide general Professional Engineering guidance to the District staff and Board of Directors;
- b. Attend Board Meetings and Engineering Committee Meetings;
- c. Attend weekly Staff Meetings;
- d. Interface with District Legal Counsel and other District consultants;
- e. Represent the District in meetings and matters relating to land development, District planning, interagency relations, and other District concerns;
- f. Interface with the general public and District customers;
- g. Interpret the District's standard specifications and policies as related to engineering issues;
- h. Complete other tasks as directed by the General Manager.

**Task 2 – Capital Improvements Program Management**

- a. Assist with technical review of CIP projects;
- b. Attend CIP project review meetings;
- c. Attend contractor pre-bid meetings and bid openings, as requested by the District;
- d. Review contractor construction bid evaluations;
- e. Assist District with preparation, distribution and advertisement of District RFP's;
- f. Assist the District with long range planning and implementation of the Wastewater CIP;
- g. Complete other tasks as directed by the General Manager.

Task 3 – Development Plan Checking and Construction Inspection

- a. Conduct development plan checking and miscellaneous development related work as requested by the General Manager. All work conducted by Developers shall be funded by Developer deposits to the District. Expenses and invoicing shall be tracked by District Location Codes for each development task.
- b. Provide Construction Inspection for Developer projects.

**PERSONNEL**

Dexter S. Wilson, P.E. shall be the primary person providing District Engineering Services. If Mr. Wilson is unable to attend meetings then Natalie Fraschetti, P.E. will attend in his place. Natalie Fraschetti will coordinate the services for the Capital Improvement Program and Development tasks.

**COMPENSATION**

Work completed under this contract will be billed on a monthly basis. Fees will be calculated on an hourly rate basis by multiplying the actual hours worked on the tasks in each classification by the rates in the schedule attached as Exhibit "B". These rates are valid for three years.

**QUALIFICATIONS**

Dexter S. Wilson will provide the services described above. Mr. Wilson is a Registered Civil Engineer in California and graduated from Stanford University with a Bachelor of Science in Chemistry, and from the University of Arizona with a Master of Science in Civil Engineering.

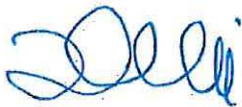
Paul Bushee  
March 29, 2017  
Page 4

Natalie J. Fraschetti will assist with the services described above. Ms. Fraschetti is a Registered Civil Engineer in the State of California and graduated from the University of Florida with a Bachelor of Science degree in Environmental Engineering Sciences.

Thank you for the opportunity to provide a proposal on this project. If this proposal meets your approval, please prepare a contract in your format for our signature.

Respectfully submitted,

Dexter Wilson Engineering, Inc.



Dexter S. Wilson, P.E.

DSW:ps

Attachments

**EXHIBIT A**  
**SUMMARY OF ESTIMATED HOURS AND COST**

<b>Task</b>	<b>Description</b>	<b>Estimated Professional Hours</b>	<b>Hourly Rates</b>	<b>Professional Costs \$</b>
<b>1</b>	<b>District Engineering</b>			
1a	Provide general Professional Engineering guidance to the District staff and Board of Directors	36	210	7,560
1b	Attend Board Meetings and Engineering Committee Meetings	48	210	10,080
1c	Attend weekly Staff Meetings	52	210	10,920
1d	Interface with District Legal Counsel and other District consultants	32	210	6,720
1e	Represent the District in meetings and matters relating to land development, District planning, interagency relations, and other District matters	24	210	5,040
1f	Interface with the general public and District customers	24	210	5,040
1g	Interpret the District's standard specifications and policies as related to engineering issues	12	210	2,520
1h	Complete other tasks as directed by the General Manager	78	210	16,380
	<b>Subtotal</b>	<b>306</b>		<b>\$64,260</b>
<b>2</b>	<b>Capital Improvements Program Management</b>			
2a	Assist with Technical Review of CIP projects	80	180	14,400
2b	Attend CIP project meetings	36	180	6,480
2c	Attend contractor pre-bid meetings and bid openings, as requested by the District	24	180	4,320
2d	Review contractor construction bid evaluations	12	180	2,160
2e	Assist District with preparation, distribution and advertisement of District RFPs	24	180	4,320
2f	Assist the District with long range planning and implementation of the Wastewater CIP	36	180	6,480
2g	Complete other tasks as directed by the General Manager	68	180	12,240
	<b>Subtotal</b>	<b>280</b>		<b>\$50,400</b>



**EXHIBIT A**  
**SUMMARY OF ESTIMATED HOURS AND COST**

<b>Task</b>	<b>Description</b>	<b>Estimated Professional Hours</b>	<b>Hourly Rates</b>	<b>Professional Costs \$</b>
3	<b>Development Plan Checking and Construction Inspection</b> All work conducted for new development shall be funded by Developer deposits to the District. Expenses and invoicing shall be tracked by District Location Codes for each development task.			
3a	Conduct development plan checking and miscellaneous development related work as requested by the General Manager.		<b>Funded by Development, as necessary</b>	
3b	Provide Construction Inspection.		<b>Funded by Development, as necessary</b>	
	<b>TOTAL</b>	<b>586</b>		<b>\$114,660</b>

**EXHIBIT B**

**DEXTER WILSON ENGINEERING, INC.**

**Rate Schedule  
Effective January 1, 2017**

**PERSONAL CLASSIFICATION**

**HOURLY RATE**

**Planning/Design**

<b>Principal Engineer (RCE)</b>	<b>\$ 210.00</b>
<b>Managing Engineer (RCE)</b>	<b>\$ 200.00</b>
<b>Project Engineer (RCE)</b>	<b>\$ 180.00</b>
<b>Senior Engineer (RCE)</b>	<b>\$ 140.00</b>
<b>Design Engineer (RCE)</b>	<b>\$ 130.00</b>
<b>Associate Engineer II</b>	<b>\$ 120.00</b>
<b>Associate Engineer I</b>	<b>\$ 110.00</b>
<b>Engineering Aide II</b>	<b>\$ 110.00</b>
<b>Engineering Aide I</b>	<b>\$ 95.00</b>

**Drafting/Design**

<b>Senior Designer</b>	<b>\$ 115.00</b>
<b>Senior Drafter</b>	<b>\$ 105.00</b>
<b>Drafter II</b>	<b>\$ 90.00</b>
<b>Drafter I</b>	<b>\$ 80.00</b>

<b>Clerical</b>	<b>\$ 65.00</b>
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