

## STAFF REPORT



## CITY OF OCEANSIDE

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DATE: December 14, 2011

TO: Honorable Mayor and City Councilmembers

FROM: Water Utilities Department

SUBJECT: **PROFESSIONAL SERVICES AGREEMENT WITH INFRASTRUCTURE ENGINEERING CORPORATION OF OCEANSIDE FOR DESIGN SERVICES**

**SYNOPSIS**

Staff and the Utilities Commission recommend that the City Council approve a professional services agreement with Infrastructure Engineering Corporation of Oceanside in the amount of \$24,582 for the Buena Vista Pump Station Levee Repair Design services, and authorize the City Manager to execute the agreement (Exhibit A).

**BACKGROUND**

In the early 1980s, during one of the many plant upgrades for the Buena Vista Pump Station, the Buena Vista Creek was redirected to flow to the north side of the existing facility (Exhibit B). During the redirection, an earthen levee was constructed to protect the pump station from flooding during rain events.

During the December 2010 storms, the earthen levee adjacent to and protecting the Buena Vista Pump Station facility from storm water runoff was compromised. The flood waters that breached the levee not only flooded the facility but also caused erosion damage to the levee. Repairs are necessary and a set of construction plans are needed as a step in the permitting and repair process.

**ANALYSIS**

On September 16, 2011, a Request for Proposals (RFP) for the preparation of construction plans was sent to four qualified firms that were listed on the Water & Wastewater Consultant List provided by the Public Works—Engineering Division (Exhibit C).

On September 29, 2011, the Water Utilities Department received one proposal out of the four consulting firms contacted; staff performed a review of the proposal for accuracy and completeness and has determined that the Infrastructure Engineering Corporation proposal includes the required items as outlined in the RFP and this requires Council approval since the cumulative total for Infrastructure Engineering Corporation's projects is over \$50,000.

The design phase of the project will take approximately 45 days to complete. Staff will use the project design to obtain permits from the Army Corps of Engineers, the Regional Water Control Board, the Department of Fish and Game, and the Fish and Wildlife Service. Once the permits have been secured staff will return to Council for approval to call for bids to construct the project.

### **FISCAL IMPACT**

The Fiscal Year 11-12 adopted budget for the Miscellaneous Sewer Project fund (909978000722.5305.10100) has a balance of \$150,453. The Professional Services Agreement is in the amount of \$24,582. Therefore, adequate funds are available for the project.

### **INSURANCE REQUIREMENTS**

The City's standard insurance requirements will be met.

### **COMMISSION OR COMMITTEE REPORT**

The Utilities Commission unanimously approved staff's recommendation at its regularly scheduled meeting on October 18, 2011.

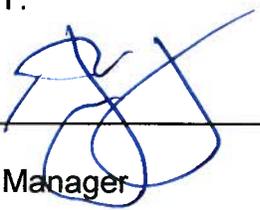
### **CITY ATTORNEY'S ANALYSIS**

The referenced documents have been reviewed by the City Attorney's office and approved as to form.

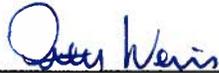
**RECOMMENDATIONS**

Staff and the Utilities Commission recommend that the City Council approve a professional services agreement with Infrastructure Engineering Corporation of Oceanside in the amount of \$24,582 for the Buena Vista Pump Station Levee Repair Design services, and authorize the City Manager to execute the agreement.

PREPARED BY:

  
\_\_\_\_\_  
Greg Blakely  
Administration Manager

SUBMITTED BY:

  
\_\_\_\_\_  
Peter A. Weiss  
City Manager

REVIEWED BY:

Michelle Skaggs-Lawrence, Deputy City Manager

Cari Dale, Water Utilities Director

Teri Ferro, Financial Services Director

  
\_\_\_\_\_  
  
\_\_\_\_\_  
  
\_\_\_\_\_

Exhibit A: Professional Services Agreement

Exhibit B: Site Map

Exhibit C: Consultant Mailing List



**CITY OF OCEANSIDE**

**PROFESSIONAL SERVICES AGREEMENT**

**PROJECT: BUENA VISTA PUMP STATION LEVEE REPAIR DESIGN -  
909978000722**

THIS AGREEMENT, dated \_\_\_\_\_, 2011 for identification purposes, is made and entered into by and between the CITY OF OCEANSIDE, a municipal corporation, hereinafter designated as "CITY", and INFRASTRUCTURE ENGINEERING CORPORATION, hereinafter designated as "CONSULTANT."

**NOW THEREFORE, THE PARTIES MUTUALLY AGREE AS FOLLOWS:**

1. **SCOPE OF WORK.** The CONSULTANT desires to provide design services for the levee repair at the Buena Vista Pump Station, more particularly described in the CONSULTANT's proposal dated September 29, 2011, attached hereto and incorporated herein as Exhibit A.
2. **INDEPENDENT CONTRACTOR.** CONSULTANT'S relationship to the CITY shall be that of an independent contractor. CONSULTANT shall have no authority, express or implied, to act on behalf of the CITY as an agent, or to bind the CITY to any obligation whatsoever, unless specifically authorized in writing by the Water Utilities Director. The CONSULTANT shall not be authorized to communicate directly with, nor in any way direct the actions of, any bidder or the construction contractor for this project without the prior written authorization by the Water Utilities Director. CONSULTANT shall be solely responsible for the performance of any of its employees, agents, or subcontractors under this Agreement. CONSULTANT shall report to the CITY any and all employees, agents, and consultants performing work in connection with this project, and all shall be subject to the approval of the CITY.
3. **WORKERS' COMPENSATION.** Pursuant to Labor Code section 1861, the CONSULTANT hereby certifies that the CONSULTANT is aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and the CONSULTANT will comply with such provisions, and provide certification of such compliance as a part of this Agreement.

**4. LIABILITY INSURANCE.**

**4.1.** CONSULTANT shall, throughout the duration of this Agreement maintain comprehensive general liability and property damage insurance, or commercial general liability insurance, covering all operations of CONSULTANT, its agents and employees, performed in connection with this Agreement including but not limited to premises and automobile.

**4.2** CONSULTANT shall maintain liability insurance in the following minimum limits:

Comprehensive General Liability Insurance  
(bodily injury and property damage)

Combined Single Limit Per Occurrence	\$ 1,000,000
General Aggregate	\$ 2,000,000*

or

Commercial General Liability Insurance  
(bodily injury and property damage)

General limit per occurrence	\$ 1,000,000
General limit project specific aggregate	\$ 2,000,000

<u>Automobile Liability Insurance</u>	\$ 1,000,000
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\*General aggregate per year, or part thereof, with respect to losses or other acts or omissions of CONSULTANT under this Agreement.

**4.3** If coverage is provided through a Commercial General Liability Insurance policy, a minimum of 50% of each of the aggregate limits shall remain available at all times. If over 50% of any aggregate limit has been paid or reserved, the CITY may require additional coverage to be purchased by the CONSULTANT to restore the required limits. The CONSULTANT shall also notify the CITY'S Project Manager promptly of all losses or claims over \$25,000 resulting from work performed under this contract, or any loss or claim against the CONSULTANT resulting from any of the CONSULTANT'S work.

**4.4** All insurance companies affording coverage to the CONSULTANT for the purposes of this Section shall add the City of Oceanside as "additional insured" under the designated insurance policy for all work performed under this agreement. Insurance coverage provided to the City as additional insured shall be primary insurance and other insurance maintained by the City of Oceanside, its officers, agents, and employees shall be excess only and not contributing with insurance provided pursuant to this Section.

- 4.5 All insurance companies affording coverage to the CONSULTANT pursuant to this agreement shall be insurance organizations admitted by the Insurance Commissioner of the State of California to transact business of insurance in the state or be rated as A-X or higher by A.M. Best.
- 4.6 All insurance companies affording coverage shall provide thirty (30) days written notice to the CITY should the policy be cancelled before the expiration date. For the purposes of this notice requirement, any material change in the policy prior to the expiration shall be considered a cancellation.
- 4.7 CONSULTANT shall provide evidence of compliance with the insurance requirements listed above by providing a Certificate of Insurance and applicable endorsements, in a form satisfactory to the City Attorney, concurrently with the submittal of this Agreement.
- 4.8 CONSULTANT shall provide a substitute Certificate of Insurance no later than thirty (30) days prior to the policy expiration date. Failure by the CONSULTANT to provide such a substitution and extend the policy expiration date shall be considered a default by CONSULTANT and may subject the CONSULTANT to a suspension or termination of work under the Agreement.
- 4.9 Maintenance of insurance by the CONSULTANT as specified in this Agreement shall in no way be interpreted as relieving the CONSULTANT of any responsibility whatsoever and the CONSULTANT may carry, at its own expense, such additional insurance as it deems necessary.
5. **PROFESSIONAL ERRORS AND OMISSIONS INSURANCE.** Throughout the duration of this Agreement and four (4) years thereafter, the CONSULTANT shall maintain professional errors and omissions insurance for work performed in connection with this Agreement in the minimum amount of One Million Dollars (\$1,000,000.00).

CONSULTANT shall provide evidence of compliance with these insurance requirements by providing a Certificate of Insurance.

6. **CONSULTANT'S INDEMNIFICATION OF CITY.** CONSULTANT shall indemnify and hold harmless the CITY and its officers, agents and employees against all claims for damages to persons or property arising out of the negligent acts, errors or omissions or wrongful acts or conduct of the CONSULTANT, or its employees, agents, subcontractors, or others in connection with the execution of the work covered by this Agreement, except for those claims arising from the willful misconduct, sole negligence or active negligence of the CITY, its officers, agents, or employees. CONSULTANT'S indemnification shall include any and all costs, expenses, attorneys' fees, expert fees and liability assessed against or incurred by the

CITY, its officers, agents, or employees in defending against such claims or lawsuits, whether the same proceed to judgment or not. Further, CONSULTANT at its own expense shall, upon written request by the CITY, defend any such suit or action brought against the CITY, its officers, agents, or employees resulting or arising from the conduct, tortious acts or omissions of the CONSULTANT.

CONSULTANT'S indemnification of CITY shall not be limited by any prior or subsequent declaration by the CONSULTANT.

7. **COMPENSATION.** CONSULTANT'S compensation for all work performed in accordance with this Agreement, shall not exceed the total contract price of \$24,582.

No work shall be performed by CONSULTANT in excess of the total contract price without prior written approval of the Water Utilities Director. CONSULTANT shall obtain approval by the Water Utilities Director prior to performing any work, which results in incidental expenses to CITY.

8. **TIMING REQUIREMENTS.** Time is of the essence in the performance of work under this Agreement and the timing requirements shall be strictly adhered to unless otherwise modified in writing. All work shall be completed in every detail to the satisfaction of the Water Utilities Director within 45 days from the Notice to Proceed.

9. **ENTIRE AGREEMENT.** This Agreement comprises the entire integrated understanding between CITY and CONSULTANT concerning the work to be performed for this project and supersedes all prior negotiations, representations, or agreements.

10. **INTERPRETATION OF THE AGREEMENT.** The interpretation, validity and enforcement of the Agreement shall be governed by and construed under the laws of the State of California. The Agreement does not limit any other rights or remedies available to CITY.

The CONSULTANT shall be responsible for complying with all local, state, and federal laws whether or not said laws are expressly stated or referred to herein.

Should any provision herein be found or deemed to be invalid, the Agreement shall be construed as not containing such provision, and all other provisions, which are otherwise lawful, shall remain in full force and effect, and to this end the provisions of this Agreement are severable.

11. **AGREEMENT MODIFICATION.** This Agreement may not be modified orally or in any manner other than by an agreement in writing signed by the parties hereto.

12. **SIGNATURES.** The individuals executing this Agreement represent and warrant

that they have the right, power, legal capacity and authority to enter into and to execute this Agreement on behalf of the respective legal entities of the CONSULTANT and the CITY.

IN WITNESS WHEREOF, the parties hereto for themselves, their heirs, executors, administrators, successors, and assigns do hereby agree to the full performance of the covenants herein contained and have caused this Professional Services Agreement to be executed by setting hereunto their signatures on the dates set forth below.

INFRASTRUCTURE ENGINEERING CORPORATION	CITY OF OCEANSIDE
By: <u>[Signature], PRESIDENT</u> Name/Title	By: _____ City Manager
Date: <u>10/27/11</u>	Date: _____

By: <u>[Signature] / Secretary</u> Name/Title	APPROVED AS TO FORM:
Date: <u>10/27/2011</u>	<u>[Signature], ASST.</u>

<u>01- <del>0615</del> 0617154</u> Employer ID No.	City Attorney
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**NOTARY ACKNOWLEDGMENTS OF CONSULTANT MUST BE ATTACHED.**

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of SAN DIEGO }

On OCT. 27 2011 before me, NANCY M. CARLISLE, NOTARY PUBLIC  
Date Here Insert Name and Title of the Officer

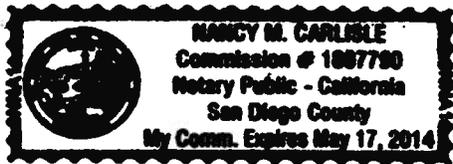
personally appeared PRESTON H. LEWIS  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Nancy M. Carlisle  
Signature of Notary Public



Place Notary Seal Above

**OPTIONAL**

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

**Description of Attached Document**

Title or Type of Document: \_\_\_\_\_

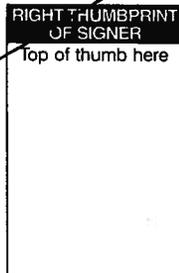
Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

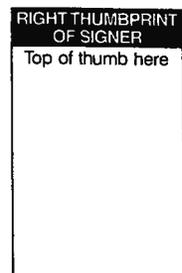
- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

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County of SAN DIEGO

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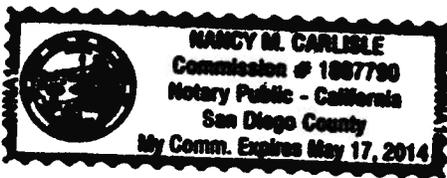
personally appeared VICKI E. SHAW  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in ~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

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Signature Nancy M. Carlisle  
Signature of Notary Public



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Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

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- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
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- Trustee
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- Other: \_\_\_\_\_

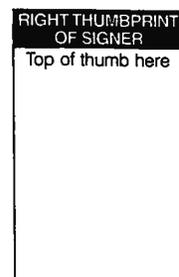
Signer Is Representing: \_\_\_\_\_



Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_





September 29, 2011

Mr. Jason Dafforn  
Water Utilities Project Manager  
City of Oceanside  
300 North Coast Highway  
Oceanside, CA 92054

**Subject: Proposal for Buena Vista Pump Station Levee Repair Design  
[909978000722]**

Dear Mr. Dafforn:

Infrastructure Engineering Corporation is pleased to submit this proposal to provide design services for repair of the existing levee at the Buena Vista Pump Station. The Buena Vista Pump Station is located along the south bank of Buena Vista Creek.

**PROJECT UNDERSTANDING AND APPROACH**

In the early 1980's, modifications to the creek resulted in the relocation of the earthen levee to route the creek around the north side of the pump station. In late December 2010, the region experienced severe storms which resulted in a breach of the existing levee and flooding of the pump station. The City implemented temporary repairs; however, a permanent repair needs to be engineered and constructed.

Based on our site visit and review of the aerial photographs provided by the City, a portion of the existing levee system requires repair. The area of repair is on the south (land) side of the levee and is believed to measure approximately 15 feet at the top of the levee and 40 to 50 feet at the toe. The City is in need of engineering services to prepare plans for repair of the levee to support permitting and bidding of the project. The design intent will be to repair the levee to the same line and grade as existing (pre-December 2010 storm) conditions.

**PROPOSED PROJECT TEAM MEMBERS**

The project team will include Mr. David Padilla, P.E. as project manager and lead designer. Mr. Padilla is a highly capable civil engineer with extensive flood control and water/wastewater design experience. Dave will be assisted by Mr. Patrick Mulvey, P.E. and Mr. David Nguyen as the civil design team. Mr. Tom Frank, P.E. will provide technical review and Mr. Rob Weber, P.E. will provide oversight of the project team. Each of these key team members are highly familiar with the City from work on past projects and understands City procedures and design standards.

**SCOPE OF SERVICES**

The proposed Scope of Services shall consist of the following tasks:

**Task 1 – Project Management and Administration**

*Project Kick-off Meeting* – IEC shall prepare an agenda and facilitate a project kick-off meeting where project goals, objectives, and the schedule shall be confirmed. We will prepare meeting minutes within three business days following the meeting, and distribute copies to attendees for review.

*Progress Meetings* – IEC will attend one progress and coordination meeting with the City during the project. This meeting will be scheduled with the City Project Manager at a mutually agreed upon milestone of the project, likely coinciding with completion of City review of the draft construction

plans. IEC will prepare and distribute a meeting agenda, conduct the meeting, and prepare and distribute meeting minutes to attendees.

*Coordination* – This shall consist of coordination with the City as well as coordination with San Diego Gas & Electric (SDGE) for the temporary removal of a guy wire and shoring of a utility pole that may conflict with the proposed work. It is assumed that SDGE fees, if any, will be paid directly by the City.

**Task 2 – Data Collection and Review**

Data collection will include cataloguing and verifying existing information relevant to the project. IEC will compile and review relevant surveys, site and utility maps, engineering drawings, and additional information available from the City. The key IEC team members will visit the site, interview City staff, and review site conditions and document existing conditions.

**Task 3 – Surveying**

IEC shall supplement the existing base survey map prepared by Right of Way Engineering through additional field design survey to obtain sufficient information concerning the repair area. We are estimating the level of effort to complete this task as one days worth of field work and ten hours of mapping time to combine the two surveys.

**Task 4 – Prepare Plans and Construction Cost Estimate**

We will prepare a draft (preliminary) plan set for City review. Following City review of these preliminary plans, a 100% check set, followed by final signed mylars for bid will be provided. Construction drawings will be prepared in AutoCAD format and are expected to consist of the following:

- G-1 Title Sheet
- G-2 General Notes
- C-1 Levee Repair Plan
- C-2 Civil Details

Applicable technical specifications for the work shall be referenced from either City standards or the Standard Specifications for Public Works Construction (SSPWC); no separate technical specifications are anticipated at this time. Construction quantities shall be estimated and an Engineers Opinion of Probable Construction cost shall be prepared at each milestone submittal. The cost opinion shall be prepared in an Excel spreadsheet format. Final deliverables provided to the City Project Manager shall consist of signed mylar drawings and electronic copies of technical specifications and the cost opinion. A constructability review/site visit shall be performed with the City Project Manager at the 100% check set milestone.

**Task 5 – Construction Staking**

IEC shall provide construction staking services upon request of the City Project Manager. We assume one (1) set of stakes shall be set to identify top and toe of slope at 10 ft intervals.

**Task 6 – Prepare Record Drawings**

Upon completion of construction and once provided redlined construction drawings (by others), we will prepare record drawings for the project. The record drawings shall be provided to the City for review and then finalized within one week of receipt of comments.

Mr. Jason Dafforn  
City of Oceanside  
September 29, 2011  
Page 3 of 3

### SCOPE ASSUMPTIONS

The following are our scope assumptions:

1. Environmental determination, documentation, or monitoring (if required) by others
2. Coordination with USACOE, USFWS, and CDFG by others.
3. Geotechnical investigation during design not necessary; geotechnical observation during construction (if necessary) by others.

### SCHEDULE

The proposed schedule is as follows:

NTP	1/3/12
Kickoff Meeting	1/3/12
Data Collection/Review	1/10/12
Survey	1/10/12
Prepare draft submittal	1/24/12
Meeting with City to review draft submittal	1/31/12
Prepare 100% check set	2/6/12
City Review	2/10/12
Final Plans Ready to Bid	2/20/12

### PROPOSED FEE

The proposed fee is depicted on the attached task and hours breakdown. The services will be provided on a time and material basis and the proposed level of effort will not be exceeded without written authorization from the City.

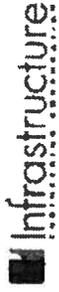
We sincerely appreciate the opportunity to provide this proposal and assist the City with this project. Please contact me at (858) 413-2400 should you have any questions or need further information.

Sincerely,



Robert S. Weber, P.E.  
Senior Project Manager

cc: Tom Frank, P.E.  
Dave Padilla, P.E.



**FEE ESTIMATE  
CITY OF OCEANSIDE  
BUENA VISTA PUMP STATION LEVEE REPAIR DESIGN [909978000722]**

Task/ Subtask	Task/Subtask Description	Sr. Project Manager	Project Manager	Engineer III: CAD III Designer	Engineer II: CAD II Designer	Field 2-Man Crew	Office -Survey Mapping Drafting	Word Processor	Subtask Labor-Hours	Subtask Labor Cost	Direct Cost	Subcontract	Total Cost
<b>DESIGN PHASE</b>		\$185.00	\$175.00	\$125.00	\$115.00	\$170.00	\$130.00	\$75.00					
<b>TASK 1</b>	<b>PROJECT MANAGEMENT AND ADMINISTRATION</b>												
	Kickoff Meeting		3	3				0.5	6.5	\$928	\$40	\$0	\$4,555
	Progress Meeting		3	3				0.5	6.5	\$928	\$40	\$0	\$978
	Coordination		12	4					16	\$2,600	\$0	\$0	\$2,600
<b>TASK 2</b>	<b>DATA COLLECTION AND REVIEW</b>		2	8				1	11	\$1,425	\$20	\$0	\$1,445
<b>TASK 3</b>	<b>SURVEY</b>				10	14	7		31	\$4,440	\$652	\$0	\$5,092
<b>TASK 4</b>	<b>PREPARE PLANS AND CONSTRUCTION COST ESTIMATE</b>	4	16	40	12				72	\$9,920	\$250	\$0	\$10,170
<b>TASK 5</b>	<b>CONSTRUCTION STAKING</b>					8	3		11	\$1,750	\$375	\$0	\$2,125
<b>TASK 6</b>	<b>PREPARE RECORD DRAWINGS</b>		1	8					9	\$1,175	\$20	\$0	\$1,195
	<b>Task Subtotal - Hours</b>	4	37	66	22	22	10	2	163				
	<b>Task Subtotal - Costs</b>	\$740	\$6,475	\$8,250	\$2,530	\$3,740	\$1,300	\$150		\$23,185	\$1,397	\$0	\$24,582

**TOTAL NOT-TO-EXCEED FEE: \$24,582**





Project Area

731 Feet



- SOURCE: HERCK 2005 ORTHOPHOTO AND CONTOURS  
 - THIS MAP PREPARED SOLELY FOR ILLUSTRATION PURPOSE  
 - AND IS NOT TO BE RELIED UPON FOR ENGINEERING DRAWING.  
 - SOME INFORMATION MAY NOT BE ACCURATE



Area of Levee Damage

Buena Vista Creek

-SOURCE: MERRICK 2005 ORTHOPHOTO AND CONTOURS  
-THIS MAP PREPARED SOLELY FOR ILLUSTRATION PURPOSE  
AND IS NOT TO BE RELIED UPON FOR ENGINEERING DRAWING.  
-SOME INFORMATION MAY NOT BE ACCURATE



BUENA VISTA PUMP STATION  
 LEVEE REPAIR DESIGN [909978000722]  
 RFP Mailing List

Company	First Name	Last Name	Address	City	State	Zip	Phone
Infrastucture Engineering Corp	Preston	Lewis	301 Mission Avenue, Suite 202	Oceanside	CA	92054	760-529-0795
Carollo Engineers	Dennis	Wood	615 South Tremont Street	Oceanside	CA	92054	760-637-2700
Tetra Tech ASL, Inc.	Howard	Arnold	2141 El Camino Real, Suite J	Oceanside	CA	92054	760-754-0550
Nolte	Jonathan	Smith	1029 Gallery Drive	Oceanside	CA	92057	

