



DATE: February 22, 2006
TO: Honorable Mayor and City Councilmembers
FROM: Water Utilities Department
SUBJECT: **APPROVAL OF PROFESSIONAL SERVICES AGREEMENT IN THE AMOUNT OF \$435,747 TO CAROLLO ENGINEERS FOR LA SALINA WASTEWATER TREATMENT PLANT UPGRADES PROJECT**

SYNOPSIS

Staff and the Utilities Commission recommend that the City Council approve a professional services agreement in the amount of \$435,747 to Carollo Engineers, San Diego, for the La Salina Wastewater Treatment Plant Upgrades project, and authorize the City Manager to execute the agreement.

BACKGROUND

The La Salina Wastewater Treatment Plant (La Salina) was originally constructed and placed into operation in 1949 (Exhibit A). There have been periodic expansions to keep up with increasing flows and various on-site rehabilitation projects. Currently the La Salina treatment facility is permitted for 5.5 million gallons a day (MGD) (secondary treatment) and has a Class B sludge disposal license for land application which currently averages 4,000 wet tons a year.

ANALYSIS

The La Salina Wastewater Treatment Plant requires upgrades in several areas to maintain proper operation, to meet regulatory requirements, and to protect the health and safety of the operations staff and the citizens of Oceanside. The areas requiring upgrades include the primary clarifiers, the South Aeration Basin/Secondary Clarifier, the dissolved air floatation thickener, and the anaerobic digesters. Operational and cost efficiencies can also be realized by improving the screening operation in the Headworks, improving the Administration Building, providing additional parking, and adding a hydrogen peroxide tank for odor control.

The capacity of the existing plant is adequate; however, several structural and mechanical issues need to be addressed for the plant. The existing steel dome roofing system for the primary digester has not been replaced and requires immediate replacement. The steel dome cover for the secondary digester was replaced in 1992. In addition a gas diffuser mixing system was installed for the secondary digester but is not functioning. This project will completely replace the gas mixing system with a mechanical mixing system. The Primary and Secondary Clarifiers also require several repairs and/or upgrades. The repairs involve developing concrete wall inspection criteria with contingencies for repair once the clarifiers are cleaned and inspected. All of the mechanical equipment must be replaced. The equipment to be replaced includes the support bridge, drive shaft, scrapper arms, etc. The Consultant must also address how the aluminum geodesic domes will be removed and any restrictions due to space constraints for equipment necessary to remove the domes.

In addition to the items for the digesters and clarifiers that must be part of final design, there are several areas the City is requesting for the Consultant to review in a Preliminary Design Report (PDR) and prioritize the projects, provide costs, and discuss increased capacity and/or benefit of the projects for consideration for Final Design. The Consultant shall assume that the projects listed to be reviewed in the PDR will be given a separate cost for Final Design Work in the proposal as optional items and will be added if deemed necessary by the City after the PDR phase on a case by case basis.

On August 15, 2005, staff solicited engineering proposals from 12 engineering firms to prepare the La Salina Wastewater Treatment Plant upgrades project design and specifications. The firms were selected from a list compiled by the City of Oceanside's Engineering Division using the City's selection procedures for professional services. All Oceanside firms providing engineering services were invited to participate. Three proposals were received. The remaining firms did not respond for a variety of reasons, mostly because of being too busy. The three firms submitting proposals were Carollo Engineers, Tetra Tech ASL, Inc. and Hirsch & Company. Upon completion of the evaluations, Carollo Engineers was unanimously selected as the best firm to provide the engineering services.

FISCAL IMPACT

In Fiscal Year 2005-2006, Council approved an appropriation of \$600,000 for the La Salina Wastewater Treatment Plant Upgrade design, so budgeted funds are available.

INSURANCE REQUIREMENTS

The City's standard insurance requirements will be met.

COMMISSION OR COMMITTEE REPORT

The Utilities Commission reviewed and approved staff's recommendation at its meeting on January 17, 2006.

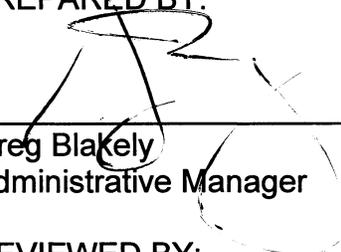
CITY ATTORNEY'S ANALYSIS

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

RECOMMENDATIONS

Staff and the Utilities Commission recommend that the City Council approve a professional services agreement in the amount of \$435,747 to Carollo Engineers, San Diego, for the La Salina Wastewater Treatment Plant Upgrades project (Exhibit B), and authorize the City Manager to execute the agreement.

PREPARED BY:



Greg Blakely
Administrative Manager

SUBMITTED BY:



Steven R. Jepsen
City Manager

REVIEWED BY:

Michelle Skaggs Lawrence, Assistant to the City Manager



FR Barry E. Martin, Water Utilities Director



- Exhibit A: Site Map
- Exhibit B: Water and Wastewater Consultant List
- Exhibit C: Professional Services Agreement

CITY OF OCEANSIDE

PROFESSIONAL SERVICES AGREEMENT

THIS AGREEMENT is made and entered into this ___ day of _____, 2005, by and between the CITY OF OCEANSIDE, a municipal corporation, hereinafter designated as "CITY", and CAROLLO ENGINEERS, hereinafter designated as "CONSULTANT".

RECITALS

- A. CITY desires to obtain professional engineering services from an independent contractor for the above named project.
- B. CONSULTANT has submitted a proposal to provide engineering services for the CITY in accordance with the terms set forth in this Agreement.
- C. CITY desires to contract with CONSULTANT as an independent contractor and CONSULTANT desires to provide services to CITY as an independent contractor.
- D. CONSULTANT has demonstrated its competence and professional qualifications necessary for the satisfactory performance of the services designated herein by virtue of its experience, training, education and expertise.

NOW, THEREFORE, THE PARTIES MUTUALLY AGREE AS FOLLOWS:

- 1.0 **SCOPE OF WORK.** CONSULTANT is to provide engineering services for the preparation of plans and specs for the La Salina Wastewater Treatment Plant Upgrades. The services to be provided are described in the CONSULTANT'S proposal dated October 25, 2005, and attached hereto as Exhibit A and incorporated herein by this reference. The project and scope of work is more particularly described below.
- 1.1 **PROFESSIONAL SERVICES PROVIDED BY CONSULTANT.** The professional services to be performed by CONSULTANT shall consist of but not be limited to the following:
 - 1.1.1 Work closely with the Water Utilities Director in performing work in accordance with this Agreement in order to receive clarification as to the result which the CITY expects to be accomplished by CONSULTANT. The Water Utilities Director, under the authority of the City Manager, shall be the CITY'S authorized representative in the interpretation and enforcement of all work performed in

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connection with this Agreement. The Water Utilities Director may delegate authority in connection with this Agreement to the Water Utilities Director's designees. For the purposes of directing the CONSULTANT'S performance in accordance with this Agreement, the Water Utilities Director delegates authority to Greg Blakely, Administrative Manager.

- 1.1.2 In compliance with Government Code section 7550, the CONSULTANT shall include a separate section in the proposal prepared pursuant to this Agreement, which contains a list of all the subcontractors and dollar amounts of all contracts and subcontracts required for the preparation of work described in this Agreement.
- 1.1.3 Visit and carefully examine the location of the project as often as necessary to become acquainted with all conditions which are visible or could reasonably be discovered, and which might have an impact upon the construction of the project.
- 1.1.4 Design, prepare and submit to the Water Utilities Director, plans and specifications for the construction of the project as described in the Scope of Work, and in the time and manner set forth in this Agreement.
- 1.1.5 Prepare and submit to the Water Utilities Director, concurrently with the design plans, the following:
 - a. A written estimate of probable construction costs.
 - b. A written list of submittals, which the construction contractor will be required to provide during the construction phase of the project.
- 1.1.6 Upon completion of construction, prepare, approve and sign a set of As-Built record drawings.
- 1.2 **SERVICES PROVIDED BY CITY.** The CITY shall perform the following services:
 - 1.2.1 Provide access to all public improvement plans and records and furnish one copy of drawings and reports requested.
 - 1.2.2 Obtain all necessary permits from other regulatory agencies and other Departments. CONSULTANT shall participate in the completion of such forms but CITY will submit these and pay for any applicable fees.
 - 1.2.3 Provide sample of title block for the plans and standard form Public Works Construction Contract Documents to be used with the General Provisions (Specifications).

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- 1.2.4 Upon request, verify the location of existing CITY owned utilities.
- 1.2.5 Provide all legal advertising mailings and postings required.
- 1.2.6 Duplicate all final plans and specifications.
- 1.2.7 Provide all necessary surveying and testing required for design, including geotechnical engineering services if required during construction.
- 1.2.8 Provide overall project management.
- 1.2.9 Provide coordination of all inquiries from prospective bidders during the bidding period.

2.0 **TIMING REQUIREMENTS**

- 2.1 Time is of the essence in the performance of work under this Agreement and the following timing requirements shall be strictly adhered to unless otherwise modified in writing as set forth in Section 2.6. Failure by CONSULTANT to strictly adhere to these timing requirements may result in termination of this Agreement by the CITY and the assessment of damages against the CONSULTANT for delays.
- 2.2 Phase I. CONSULTANT shall prepare and deliver a copy of the preliminary design plans to the Water Utilities Director within 120 calendar days from the Notice to Proceed. No work shall be performed by CONSULTANT beyond the Phase I stage until the Water Utilities Director has given written approval of the preliminary design and authorization to perform the Phase II.
- 2.3 Phase II. CONSULTANT shall prepare and deliver a copy of the 75% design plans to the Water Utilities Director within 45 calendar days of the Water Utilities Director's authorization to perform Phase II. No work shall be performed by CONSULTANT beyond the Phase II stage until the Water Utilities Director has given authorization to perform Phase III.
- 2.4 Phase III. CONSULTANT shall prepare and deliver a copy of the 90% design plans to the Water Utilities Director within 30 calendar days of the Water Utilities Director's authorization to perform Phase III. No work shall be performed by CONSULTANT beyond the Phase III stage until the Water Utilities Director has given authorization to perform Phase IV.

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- 2.5 Phase IV. CONSULTANT shall prepare and deliver a copy of the 100% design plans to the Water Utilities Director within 30 calendar days of the Water Utilities Director's authorization to perform Phase IV. No work shall be performed by CONSULTANT beyond the Phase III stage until the Water Utilities Director has given authorization to perform Phase V.
- 2.6 Phase V. CONSULTANT shall prepare and deliver the final design plans to the Water Utilities Director within 15 calendar days of the Water Utilities Director's written authorization to perform Phase V
- 2.7 Phase VI. CONSULTANT shall prepare and deliver the final As-Built plans for record drawings to the Water Utilities Director within 30 calendar days of the Water Utilities Director's written request.
- 2.8 CONSULTANT shall submit all requests for extensions of time for performance in writing to the Water Utilities Director no later than ten (10) calendar days after the start of the condition which purportedly caused the delay, and not later than the date on which performance is due. The Water Utilities Director shall review all such requests and may grant reasonable time extensions for unforeseeable delays which are beyond CONSULTANT'S control.
- 2.9 For all time periods not specifically set forth herein, the CONSULTANT shall respond in the most expedient and appropriate manner under the circumstances, by either telephone, fax hand delivery or mail.
- 3.0 **DESIGN CRITERIA AND STANDARDS.** All work shall be performed in accordance with applicable CITY, state and federal codes and criteria. In the performance of its professional services, CONSULTANT shall use the degree of care and skill ordinarily exercised by CONSULTANT under similar conditions.

All plans shall be ink drawn on standard mylar sheets available from the CITY at no cost to CONSULTANT. Contract specifications shall conform to the CITY'S specification procedures and the format of the CITY'S standard form Contract Documents for Public Works Construction.

- 4.0 **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

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the Water Utilities Director. CONSULTANT shall be sole 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.

5.0 **CITY BUSINESS LICENSE.** Prior to the commencement of any work under this agreement, the CONSULTANT shall obtain and present a copy of an Oceanside City Business License to the Water Utilities Director.

6.0 **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 these Award Documents. The certification shall be in accordance with Subsections 7.3 through 7.8 of this Agreement.

7.0 **LIABILITY INSURANCE.**

7.1 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.

7.2.1 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* |

Commercial General Liability Insurance
(bodily injury and property damage)

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

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Automobile Liability Insurance

\$ 1,000,000

*General aggregate per year, or part thereof, with respect to losses or other acts or omissions of CONSULTANT under this Agreement.

- 7.2.2 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.
- 7.3 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 an additional insured shall be primary insurance and other insurance maintained by the CITY, its officers, agents and employees shall be excess only and not contributing with insurance provided pursuant to this Section.
- 7.4 All insurance companies affording coverage to the CONSULTANT pursuant to this Agreement shall be insurance organizations authorized 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.
- 7.5 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.
- 7.6 CONSULTANT shall provide evidence of compliance with the insurance requirements listed above by providing a Certificate of Insurance, in a form satisfactory to the City Attorney, concurrently with the submittal of this Agreement.
- 7.7 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.

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7.8 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.

8.0 **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).

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

9.0 **CONSULTANT'S INDEMNIFICATION OF CITY.** CONSULTANT shall indemnify and hold harmless the CITY and its officers, agents and employees against all claims or lawsuits for damages to persons or property arising out of the conduct, negligent acts, errors, omissions or wrongful acts of 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, expert fees, attorneys' 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 tortuous acts or omissions of the CONSULTANT.

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

10.0 **ERRORS AND OMISSIONS.** In the event that the Water Utilities Director determines that the CONSULTANT'S negligence, misconduct, errors or omissions in the performance of work under this Agreement has resulted in expense to CITY greater than would have resulted if there were no such negligence, errors or omissions in the plans or contract specifications, CONSULTANT shall reimburse CITY for the additional expenses incurred by the CITY, including engineering, construction and/or restoration expense. Nothing herein is intended to limit CITY'S rights under Sections 7, 8 or 9.

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- 11.0 **NO CONFLICT OF INTEREST.** The CONSULTANT shall not be financially interested in any other CITY contract for this project. For the limited purposes of interpreting this section, the CONSULTANT shall be deemed a "City officer or employee", and this Section shall be interpreted in accordance with Government Code section 1090. In the event that the CONSULTANT becomes financially interested in any other CITY contract for this project, that other contract shall be void. The CONSULTANT shall indemnify and hold harmless the CITY, under Section 9 above, for any claims for damages resulting from the CONSULTANT'S violation of this Section.
- 12.0 **OWNERSHIP OF DOCUMENTS.** All plans and specifications, including details, computations and other documents, prepared or provided by the CONSULTANT under this Agreement shall be the property of the CITY. The CITY agrees to hold the CONSULTANT free and harmless from any claim arising from any use, other than the purpose intended, of the plans and specifications and all preliminary sketches, schematics, preliminary plans, architectural perspective renderings, working drawings, including details, computation and other documents, prepared or provided by the CONSULTANT. CONSULTANT may retain a copy of all material produced under this Agreement for the purpose of documenting their participation in this project.
- 13.0 **COMPENSATION.**
- 13.1 For work performed by CONSULTANT in accordance with this Agreement, CITY shall pay CONSULTANT in accordance with the schedule of billing rates set forth in Exhibit "A", attached hereto and incorporated herein by reference. No rate changes shall be made during the term of this Agreement without prior written approval of the Water Utilities Director. CONSULTANT'S compensation for all work performed in accordance with this Agreement shall not exceed the total contract price of \$435,747.
- 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 as set forth in Section 13.2.2.
- 13.2 CONSULTANT shall maintain accounting records including the following information:

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- 13.2.1 Names and titles of employees or agents, types of work performed and times and dates of all work performed in connection with this Agreement which is billed on an hourly basis.
- 13.2.2 All incidental expenses including reproductions, computer printing, postage, mileage and subsistence.
- 13.3 CONSULTANT'S accounting records shall be made available to the Water Utilities Director for verification of billings, within a reasonable time of the Water Utilities Director's request for inspection.
- 13.4 CONSULTANT shall submit monthly invoices to CITY. CITY shall make partial payments to CONSULTANT not to exceed the total contract price within thirty (30) days of receipt of invoice, subject to the approval of the Water Utilities Director, and based upon the following partial payment schedule:
 - 13.4.1 Prior to submittal of the Preliminary Design Report, partial payments shall not exceed \$ 146,810.
 - 13.4.2 Prior to submittal of the 75% preliminary design plans and specifications, partial payments shall not exceed \$ 326,606.
 - 13.4.3 Prior to submittal of the 90% preliminary design plans and specifications, partial payments shall not exceed \$ 370,385.
 - 13.4.4 Prior to submittal of the 100% preliminary design plans and specifications, partial payments shall not exceed \$ 391,927.
 - 13.4.5 Prior to CITY approval of the final plans and specifications, partial payments shall not exceed \$ 413,700.
 - 13.4.6 Final payment shall be made to CONSULTANT upon CONSULTANT's preparation of As-Built plans for record drawings to the satisfaction of the Water Utilities Director.
- 14.0 **TERMINATION OF AGREEMENT.** Either party may terminate this Agreement by providing thirty (30) days written notice to the other party.

If any portion of the work is terminated or abandoned by the CITY, then the CITY shall pay CONSULTANT for any work completed up to and including the date of termination or abandonment of this Agreement, in accordance with Section 13. The CITY shall be required to compensate CONSULTANT only for work performed in accordance with the Agreement up to and including the date of termination.

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- 15.0 **ASSIGNMENT AND DELEGATION.** This Agreement and any portion thereof shall not be assigned or transferred, nor shall any of the CONSULTANT'S duties be delegated, without the express written consent of the CITY. Any attempt to assign or delegate this Agreement without the express written consent of the CITY shall be void and of no force or effect. A consent by the CITY to one assignment shall not be deemed to be a consent to any subsequent assignment.

This Agreement shall inure to the benefit of and be binding upon the parties hereto and their respective successors and assigns.

- 16.0 **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.

- 17.0 **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.

- 18.0 **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.

- 19.0 **DISPUTE RESOLUTION.**

- a. Any controversy or claim arising out of or relating to this Agreement, or concerning the breach or interpretation thereof, shall be first submitted to mediation, the cost of which shall be borne equally by the parties.
- b. No suit shall be brought on this contract unless all statutory claims filing requirements have been met.

LA SALINA WASTEWATER TREATMENT PLANT UPGRADES - 722.865665

20. **NOTICES.** All notices, demands, requests, consents or other communications which this Agreement contemplates or authorizes, or requires or permits either party to give to the other, shall be in writing and shall be personally delivered or mailed to the respective party as follows:

TO CITY:

City of Oceanside
Water Utilities Director
300 North Coast Highway
Oceanside, CA 92054

TO CONSULTANT:

Dennis Wood
CAROLLO ENGINEERS
5575 Ruffin Rd., Suite 200
San Diego, CA 92123

Either party may change its address by notice to the other party as provided herein.

Communications shall be deemed to have been given and received on the first to occur:

- a. Actual receipt at the offices of the party to whom the communication is to be sent, as designated above, or
 - b. Three (3) working days following the deposit in the United States mail of registered or certified mail, postage prepaid, return receipt requested, addressed to the offices of the party to whom the communication is to be sent, as designated above.
- 21.0 **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.

LA SALINA WASTEWATER TREATMENT PLANT UPGRADES - 722.865665

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:

CAROLLO ENGINEERS

By: *Gary C. Deis* / CEO
Name/Title *Gary C. Deis / CEO*

By: *Jamel Demer*
Name/Title *Jamel Demer / Secretary*

86-089222

Employer ID No.

CITY OF OCEANSIDE

By: _____
Steven R. Jepsen, City Manager

APPROVED AS TO FORM:

Burton Hamilton
City Attorney

NOTARY ACKNOWLEDGMENTS OF CONSULTANT MUST BE ATTACHED.

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California }
County of Contra Costa } SS.

On November 10, 2005, before me, Virginia K. Elliott,
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared Gary C. Deis,
Name(s) of Signer(s)

- personally known to me
- proved to me on the basis of satisfactory evidence

to be the person whose name 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.



Place Notary Seal Above

WITNESS my hand and official seal,
Virginia K. Elliott
Signature of Notary Public

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 City of Oceanside
Title or Type of Document: Professional Services Agreement

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer

- Signer's Name: _____
- Individual
 - Corporate Officer — Title(s): _____
 - Partner — Limited General
 - Attorney in Fact
 - Trustee
 - Guardian or Conservator
 - Other: _____

Signer Is Representing: _____



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California }
County of Contra Costa } ss.

On November 12, 2005, before me, Virginia K. Elliott,
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Jamel Demir,
Name(s) of Signer(s)

- personally known to me
- 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 heshe/they executed the same in hisher/their authorized capacity~~(ies)~~, and that by hisher/their signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

WITNESS my hand and official seal. .

Virginia K. Elliott
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: City of Oceanview 722-865665
Professional Services Agreement

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer

Signer's Name: _____

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

Signer Is Representing: _____

RIGHT THUMBPRINT OF SIGNER

Top of thumb here

EXHIBIT A

SCOPE OF WORK

CITY OF OCEANSIDE LA SALINA WASTEWATER TREATMENT PLANT UPGRADES (722-86-5665)

October 25, 2005

INTRODUCTION

The La Salina Wastewater Treatment Plant requires upgrades in several areas to maintain proper operation, to meet regulatory requirements, and to protect the health and safety of the operations staff. The areas requiring upgrades include the primary clarifiers, the South Aeration Basin/Secondary Clarifier, the dissolved air flotation thickener, and the anaerobic digesters. Operational and cost efficiencies can also be realized by improving the screenings operation in the Headworks, improving the Administration Building, providing additional parking, and adding a hydrogen peroxide tank for odor control.

This project includes analysis of the needed and potential facilities. A Preliminary Design Report (PDR) will be prepared. For certain facilities, plans and specifications will be prepared for competitive bidding leading to construction.

The following outlines the tasks that the CONSULTANT shall perform in performing this work.

1. PRELIMINARY DESIGN REPORT

The CONSULTANT shall prepare a Preliminary Design Report (PDR). The PDR shall cover all of the areas of work described below as sub-tasks.

In preparing the PDR, the CONSULTANT shall obtain all necessary documents and drawings from the City and/or other agencies as required regarding existing facilities and utilities. The CONSULTANT shall inspect the site for constructability of the proposed improvements.

1.1. Task 1 -- Digester Evaluations

The CONSULTANT shall evaluate the needed upgrades to the existing anaerobic digester system. The specific elements of work include the following:

Existing Primary Digester

- **Cleaning of the primary digester.** This involves working closely with the City's La Salina Plant staff to plan strategies for off-site removal and disposal. The plant site is very congested and does not have room for sludge drying, etc. and therefore, careful planning for sludge removal and preventing odors need to be considered by the CONSULTANT.

- Removal and replacement of the Primary Digester steel dome cover (roof replacement options must be based on providing adequate gas space, handle the pressure constraints, corrosiveness, and have been shown to be successful in this application). This task also involves discussions with NCTD for obtaining construction easements for access for cranes for lifting the roof and/or moving large equipment in and out behind the existing digesters.
- Removal and replacement of 16" draft tube and evaluation of various methods for replacement
- Removal and replacement of gas piping inside the primary digester to the 8-inch header. This Includes Removal and replacement of all Varec gas valves within this run.
- Removal and replacement of level indicator system
- Removal and replacement of Varec level manometer
- Removal and replacement of inspection stainless steel plate cover
- Removal and replacement of inspection cover hatch
- Removal and replacement of the existing mixing pump with identical equipment
- Rehabilitation of Primary Digester concrete Overflow Box
- Develop concrete wall inspection criteria with contingencies for repair once the digester is cleaned and inspected.
- Remove and replace the piping and valves
- Add handrails, walkways, etc. so that all safety equipment is compliant with current OSHA safety guidelines

Existing Secondary Digester

- Cleaning of the secondary digester. This involves working closely with the City's La Salina Plant staff to plan strategies for off-site removal and disposal. The plant site is very congested and does not have room for sludge drying, etc. and therefore, careful planning for sludge removal and preventing odors need to be considered by the CONSULTANT.
- Remove and replace the existing gas mixing system with a new mechanical mixing system.
- Recoat the sidewalls. Remove and replace piping, and valves
- Removal and replacement of existing side inspection stainless steel entry plate
- Removal and replacement of level indicator system
- Develop concrete wall inspection criteria with contingencies for repair once the digester is cleaned and inspected.

Additional Boiler

The PDR should address the requirements for adding an additional boiler unit for the digesters. This includes the analysis of how much additional capacity is gained by the additional boiler,

what type of enclosure is required (i.e. is there room in the existing enclosure or is an additional enclosure required), etc. and the costs for the additional boiler and/or enclosures if required.

1.2. Task 1.2 -- Primary Clarifier Evaluations

The CONSULTANT shall evaluate upgrades to the existing primary clarifiers. The items shall include the following:

Existing Primary Clarifier No. 1

- Review procedures and prepare guidelines for the temporary removal of the Primary Clarifier aluminum geodesic dome cover and replacement of the cover when the interior work is completed. This task also involves discussions with NCTD for obtaining construction easements for access for cranes for lifting the dome and/or moving large equipment around the existing clarifiers.
- Removal and replacement of support bridge system
- Removal and replacement of drive mechanism system
- Removal and replacement of scrapper arm system
- Removal and replacement of fiberglass weir and baffles
- Removal and replacement of piping and valving.
- Develop concrete wall inspection criteria with contingencies for repair once the clarifier is cleaned and inspected.

Existing Primary Clarifier No. 2

- Review procedures and prepare guidelines for the temporary removal of the Secondary Clarifier aluminum geodesic dome cover and replacement of the cover when the interior work is completed. This task also involves discussions with NCTD for obtaining construction easements for access for cranes for lifting the dome and/or moving large equipment around the existing clarifiers.
- Removal and replacement of support bridge system
- Removal and replacement of drive mechanism system
- Removal and replacement of scrapper arm system
- Removal and replacement of fiberglass weir and baffles
- Removal and replacement of piping and valving.

- Develop concrete wall inspection criteria with contingencies for repair once the clarifier is cleaned and inspected.

1.3. Task 1.3 -- Headworks Evaluations

The CONSULTANT shall evaluate the installation of a washer compactor to improve the screenings solids contents. The issues shall include an analysis of what process and/or equipment can be used at the plant to reduce the percentage of solids below 50% for both the Grit and Screenings hoppers at the Headworks facilities. The plant currently pays high hauling costs and costs for peat to absorb water. Therefore, the goal is to reduce the solids and associated dewatering. The design will have to account for disposal equipment having access to the hoppers. Therefore, equipment configuration and placement must be carefully thought out. An example of this is the addition of a new raw influent washer/compactor. All new equipment must be Air Pollution Control District (APCD) compliant.

1.4. Task 1.4 -- Existing Aeration Basin/Secondary Clarifier

The CONSULTANT shall perform an analysis of the feasibility to rehabilitate the existing structure. This work shall include a survey of the structure elevations to determine if settlement has occurred since the last survey was performed in 1996. A geotechnical review will also be performed. The specific work that the CONSULTANT shall perform is outlined below:

Existing Aeration Basin/Secondary Clarifier

A Preliminary Design Report dated September 1996, was prepared by HYA Consulting Engineers, titled, "La Salina Wastewater Plant South Aeration/Secondary Clarifier Tank Rehabilitation and Other Modifications" for the City's Water Utilities Department. This report primarily analyzed the alternatives for stabilizing the existing south aeration tank/secondary clarifier. This facility has experienced noticeable settlement and cracking of the concrete walls and has raised concerns regarding the basins structural integrity. The CONSULTANT is expected to review the findings of the HYA PDR and provide analysis into any additional methods which could be done without having to build an additional redundant unit and could possibly be done with the unit remaining in service. The PDR should also address the useful life for the units without rehabilitation and provide cost information for the various rehabilitation options. It is assumed for the purposes of this RFP that the CONSULTANT will evaluate at least two rehabilitation options.

Geotechnical Review

The CONSULTANT shall perform a geotechnical review of the condition of the South Aeration Basin/Secondary Clarifier. This shall include review of potential methods of repair.

1.5. Task 1.5 -- DAF Odor Control

The CONSULTANT shall review the existing DAF odor scrubber unit facilities. The review shall consider replacement of the existing undersized scrubber versus replacement of the existing walk-in cover with a low-profile or flat cover.

1.6. Task 1.6 -- Miscellaneous Site Improvements

The CONSULTANT shall analyze the following miscellaneous improvements:

- Enlargement of the existing Administration Building crew room, lab, storage, and men's lockers rooms. Replacement of the building doors and repainting of the exterior of the building. This design work must all be ADA compliant.
- Addition of a permanent 3,000 gallon Aluminum Hydrogen Peroxide tank near the old Headworks area. This would have to include full containment, access ramps, all associated safety equipment and chemical metering system.
- Addition of 2 spaces at the northeast gate at Croswaithe Street. This space is currently covered with wood chips and is across the access road from the Administration parking lot. A curb or other type of barrier will have to be placed at the front of the new parking spaces.
- Addition of a new parking lot adjacent to the DAF unit (2 spaces).
- Replacement of the North and South Primary walkway bridges which have deteriorated significantly due to corrosion.

1.7. Task 1.7 -- Construction Sequencing and Constraints

The CONSULTANT shall consider the required construction sequencing and constraints required during construction to maintain operation of the Plant. The CONSULTANT shall prepare a technical memorandum outlining a recommended procedure.

1.8. Task 1.8 -- Survey

The CONSULTANT shall have a plant survey prepared. The survey will consist of an aerial survey with contours at 1-foot intervals. A site survey will be performed to establish the current elevations of the South Aeration Basin/Secondary Clarifier.

1.9. Task 1.9 -- Preliminary Design Report

The CONSULTANT shall prepare a PDR summarizing the analysis and recommendations for each of the tasks listed above. The PDR shall consist of a series of technical memoranda for each task, compiled into a three-ring binder.

1.10. Task 1.10 -- Conditional Use Permit

The CONSULTANT shall prepare the documentation required for the Conditional Use Permit.

ADDITIONAL AREAS OF WORK (MANDATORY)

- Coordination with North County Transit District (NCTD) as may be required for maneuvering equipment in and out of the site. The equipment to lift and remove the existing roof might need to be positioned behind the plant in NCTD's right-of-way. If this is not possible then other plans will have to be made by the Consultant to ensure all construction equipment will have adequate room on site. This also includes assisting the City in procuring any and all permits as may be needed.
- Prepare all documents and renderings as may be required by the Planning Commission and/or City Council for upgrade of this facility.
- Attend all meetings required by the Planning Commission and/or City Council.

2. FINAL DESIGN

The CONSULTANT shall prepare the final design for the following items as part of the Agreement: 1) Existing Primary Digester, 2) Existing Secondary Digester, 3) Existing Primary Clarifiers (2), and 4) Headworks. Based on the results of the PDR, the City may elect to authorize the CONSULTANT to proceed with final design for the following optional items: 1) DAF Odor Control, and 2) Miscellaneous Site Improvements. The fee for the optional items shall be as outlined Exhibit B. The fee for each item shall be authorized separately.

The basis for the final design shall include the following:

- The Headworks screening will consist of a washer/compactor with provisions for maintenance such as a movable conveyor.
- The DAF odor control upgrades are based on installation of a low profile or flat cover.
- The Administration Building Upgrades will not include any revisions to the bearing walls. No revisions will be made to the existing roof outline. The Electrical Room shall not be modified.

The following describes the tasks that the CONSULTANT shall perform as part of the final design.

2.1. Technical Specifications

The CONSULTANT shall prepare technical specifications. The CONSULTANT shall use the City's standard bidding, agreement, and general conditions.

2.2. Plans

The CONSULTANT shall prepare plans using the latest version of AUTOCAD. The plans shall include civil, mechanical, structural, and electrical disciplines. The plans shall be printed on the City's standard format on mylar.

2.3. Engineer's Estimate

The CONSULTANT shall prepare an opinion of estimated construction costs at the 50 percent, the 90 percent, and 100 percent design levels.

2.4. Progress Meetings

The CONSULTANT shall attend and conduct monthly progress meetings. The CONSULTANT shall prepare and submit meeting notes.

2.5. Record Drawings

The CONSULTANT shall prepare record drawings for the completed construction based on markups made by the contractor and reviewed by the construction manager.

3. DELIVERABLES

- Conference Memoranda--one copy to each attendee.
- Draft PDR 5 each
- Final PDR 10 each
- 50, 75, 90, and 100 percent design progress submittals 5 each
- Final contract documents--signed mylars and camera ready specifications
- Record drawings -- one set mylars

4. MATERIALS FURNISHED BY CITY

- Existing plans, reports, and manufacturer submittal data for existing facilities

EXHIBIT B
CITY OF OCEANSIDE
LA SALINA WASTEWATER TREATMENT PLANT UPGRADES
FEE PROPOSAL

| WORK ELEMENT | Wood | Griffin | Newbrough | Galica | Crowell | Doering | Alband | Ariza | Nguyen | CADD | Word Processing | Other Direct Costs | Carollo Total | Kiehnfelder | Right of Way Engineering | Task Total |
|--------------------------------------------|-----------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|--------------------|-----------------|------------------|--------------------------|-------------------|
| PRELIMINARY DESIGN REPORT | | | | | | | | | | | | | | | | |
| 1. Diagnostic Evaluations | | | | | | | | | | | | | | | | |
| a. Meter | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 403 | \$ 2,493 | | | \$ 2,493 |
| b. Meter | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 403 | \$ 2,493 | | | \$ 2,493 |
| c. Level Staffing | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 2,040 | \$ 12,960 | | | \$ 12,960 |
| d. Concrete Road | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 273 | \$ 1,638 | | | \$ 1,638 |
| e. Conditions and Corrosion Control | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 648 | \$ 3,888 | | | \$ 3,888 |
| f. Bolter | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 188 | \$ 1,128 | | | \$ 1,128 |
| g. Cleaning | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 683 | \$ 4,098 | | | \$ 4,098 |
| h. Other | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 398 | \$ 2,388 | | | \$ 2,388 |
| 2. Primary Clarifiers | | | | | | | | | | | | | | | | |
| a. Mechanism and Concrete Repair | 1 | 4 | 8 | 0 | 16 | 4 | 0 | 0 | 0 | 0 | 0 | \$ 248 | \$ 1,488 | | | \$ 1,488 |
| b. Bridge Replacement | 1 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 113 | \$ 678 | | | \$ 678 |
| 3. Headworks | 1 | 16 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 278 | \$ 1,668 | | | \$ 1,668 |
| 4. Existing ABI/Secondary Clarifier | | | | | | | | | | | | | | | | |
| a. Geotechnical Review | 1 | 4 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | \$ 158 | \$ 948 | | | \$ 948 |
| b. Survey | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 45 | \$ 270 | | | \$ 270 |
| c. Structural Review | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 720 | \$ 4,320 | | | \$ 4,320 |
| d. Condition Assessment | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 315 | \$ 1,890 | | | \$ 1,890 |
| e. Project Comparison | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 248 | \$ 1,488 | | | \$ 1,488 |
| f. DAF Thickener | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 278 | \$ 1,668 | | | \$ 1,668 |
| g. Miscellaneous Site Improvements | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 788 | \$ 4,728 | | | \$ 4,728 |
| 7. Construction Sequencing and Constraints | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 75 | \$ 450 | | | \$ 450 |
| 8. Survey | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 30 | \$ 180 | | | \$ 180 |
| 9. PDR | 8 | 24 | 4 | 4 | 8 | 8 | 4 | 8 | 2 | 40 | 40 | \$ 1,185 | \$ 7,065 | | | \$ 7,065 |
| 10. Conditional Use Permit | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 330 | \$ 1,980 | | | \$ 1,980 |
| Subtotal | | | | | | | | | | | | \$ 123,725 | \$ 6,500 | | | \$ 130,225 |
| FINAL DESIGN - BASE PROJECT | | | | | | | | | | | | | | | | |
| 1. Technical Specifications | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 1,590 | \$ 9,540 | | | \$ 9,540 |
| 2. Plans | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 9,070 | \$ 54,420 | | | \$ 54,420 |
| 3. Engineer's Estimate | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 325 | \$ 1,950 | | | \$ 1,950 |
| 4. Progress Meetings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 240 | \$ 1,440 | | | \$ 1,440 |
| 5. Record Drawings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 428 | \$ 2,568 | | | \$ 2,568 |
| Subtotal | | | | | | | | | | | | \$ 1,583 | \$ 9,504 | | | \$ 11,087 |
| DAF COVER | | | | | | | | | | | | | | | | |
| 1. Technical Specifications | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 338 | \$ 2,028 | | | \$ 2,028 |
| 2. Plans | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 965 | \$ 5,790 | | | \$ 5,790 |
| 3. Engineer's Estimate | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 75 | \$ 450 | | | \$ 450 |
| 4. Progress Meetings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 0 | \$ 0 | | | \$ 0 |
| 5. Record Drawings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 30 | \$ 180 | | | \$ 180 |
| Subtotal | | | | | | | | | | | | \$ 403 | \$ 2,448 | | | \$ 2,851 |
| PEROXIDE | | | | | | | | | | | | | | | | |
| 1. Technical Specifications | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 158 | \$ 948 | | | \$ 948 |
| 2. Plans | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 1,085 | \$ 6,510 | | | \$ 7,595 |
| 3. Engineer's Estimate | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 75 | \$ 450 | | | \$ 450 |
| 4. Progress Meetings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 0 | \$ 0 | | | \$ 0 |
| 5. Record Drawings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 30 | \$ 180 | | | \$ 180 |
| Subtotal | | | | | | | | | | | | \$ 263 | \$ 1,578 | | | \$ 1,841 |
| WALKWAYS | | | | | | | | | | | | | | | | |
| 1. Technical Specifications | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 53 | \$ 318 | | | \$ 318 |
| 2. Plans | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 268 | \$ 1,608 | | | \$ 1,608 |
| 3. Engineer's Estimate | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 0 | \$ 0 | | | \$ 0 |
| 4. Progress Meetings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 0 | \$ 0 | | | \$ 0 |
| 5. Record Drawings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 0 | \$ 0 | | | \$ 0 |
| Subtotal | | | | | | | | | | | | \$ 263 | \$ 1,608 | | | \$ 1,871 |
| BUILDING | | | | | | | | | | | | | | | | |
| 1. Technical Specifications | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 758 | \$ 4,548 | | | \$ 4,548 |
| 2. Plans | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 4,445 | \$ 26,670 | | | \$ 26,670 |
| 3. Engineer's Estimate | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 255 | \$ 1,530 | | | \$ 1,530 |
| 4. Progress Meetings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 0 | \$ 0 | | | \$ 0 |
| 5. Record Drawings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ 30 | \$ 180 | | | \$ 180 |
| Subtotal | | | | | | | | | | | | \$ 5,028 | \$ 30,928 | | | \$ 35,956 |
| STAFF TOTAL | | | | | | | | | | | | | | | | |
| RATE | \$ 199 | \$ 199 | \$ 165 | \$ 170 | \$ 108 | \$ 138 | \$ 170 | \$ 170 | \$ 99 | \$ 70 | \$ 106 | \$ 412,840 | \$ 6,500 | \$ 10,585 | \$ 10,585 | \$ 435,747 |
| COST TOTAL | \$14,527 | \$ 60,894 | \$10,360 | \$ 5,100 | \$ 63,072 | \$43,884 | \$44,600 | \$ 4,420 | \$ 36,984 | \$ 17,340 | \$ 77,418 | \$12,840 | \$ 6,500 | \$ 10,585 | \$ 10,585 | \$ 435,747 |