

THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS  
ACTION AGENDA SUMMARY

DEPT: Public Works *mlm*

BOARD AGENDA # \*C-1

Urgent  Routine

AGENDA DATE February 3, 2015

CEO Concurs with Recommendation YES  NO   
(Information Attached)

4/5 Vote Required YES  NO

SUBJECT:

Approval to Amend the Agreement for All-Inclusive Engineering Design Services with Welty Engineering, Inc, formerly R.B. Welty and Associates, Inc., for the Woodward Reservoir Muir Point and T-Island Campground Projects

STAFF RECOMMENDATIONS:

1. Approve Amendment No. 2 to the Professional Design Services Agreement for all-inclusive engineering design services with Welty Engineering, Inc., formerly R.B. Welty and Associates, Inc., in the amount of \$149,521 for a total not to exceed amount of \$206,074 for the Woodward Reservoir Muir Point and T-Island Camp Ground Projects.
2. Authorize the Director of Parks and Recreation, or designee, to execute the amendment with Welty Engineering, Inc. in the amount of \$149,521 and to sign the necessary documents.

FISCAL IMPACT:

The Woodward Reservoir Muir Point and T-Island Campground Projects (Project) are funded through Parks Public Facilities Fees (PFF) funds. The original agreement approved by the Stanislaus County Board of Supervisors on December 10, 2013 was for a total project cost of \$56,553 (\$51,412 for the design services contract, and a 10% contingency of \$5,141). The Project's physical scope has increased significantly, which makes additional design services necessary. The Contract Amendment No. 2 will add \$149,521 to the design services contract, which is necessary to cover the costs for additional design services.

(Continued on Page 2)

BOARD ACTION AS FOLLOWS:

No. 2015-43

On motion of Supervisor Monteith \_\_\_\_\_, Seconded by Supervisor Chiesa \_\_\_\_\_

and approved by the following vote,

Ayes: Supervisors: O'Brien, Chiesa, Monteith, De Martini, and Chairman Withrow \_\_\_\_\_

Noes: Supervisors: None \_\_\_\_\_

Excused or Absent: Supervisors: None \_\_\_\_\_

Abstaining: Supervisor: None \_\_\_\_\_

1) X Approved as recommended

2) \_\_\_\_\_ Denied

3) \_\_\_\_\_ Approved as amended

4) \_\_\_\_\_ Other:

MOTION:

ATTEST: *Christine Ferraro*  
CHRISTINE FERRARO TALLMAN, Clerk

File No.

Approval to Amend the Agreement for All-Inclusive Engineering Design Services with Welty Engineering, Inc, formerly R.B. Welty and Associates, Inc., for the Woodward Reservoir Muir Point and T-Island Campground Projects

**FISCAL IMPACT (CONTINUED):**

The requested amendment increases the current agreement by \$149,521 for a total amount, including the 10% contingency, of \$206,074 and is included in the Fiscal Year 2014-2015 Parks Department budget.

**DISCUSSION:**

Stanislaus County owns and maintains Woodward Reservoir Regional Park (WRRP), which is located at 14528 26-Mile Road, near the City of Oakdale. The WRRP consists of 3,500 acres, where approximately 2,150 acres are designated for outdoor recreational activities such as swimming, boating, fishing, and camping.

On January 19, 2012, the Director of Stanislaus County Parks and Recreation Department (Parks) presented the PFF Committee with the request for \$4,535,161.74 to purchase additional equipment and amenities for various parks. The request included \$1,899,740.14 for the installment of 61 campsite electrical and sewer hookups at the T-Island and Muir Point campgrounds in WRRP. The Board of Supervisors approved the request on April 17, 2012.

On February 25, 2013, a Memorandum of Understanding (MOU) was executed between the Stanislaus County Department of Public Works (Public Works) and Parks. The MOU defined roles and responsibilities for both departments in facilitating the design phase of this project. Public Works is responsible for consultant selection, design management, design review, bidding, and construction management assistance. Parks is responsible for processing the consultant's invoices.

On December 10, 2013, the Board of Supervisors awarded a contract for all inclusive engineering design services to R.B. Welty and Associates, Inc., in the amount of \$51,412 for the Project. In addition, the Board of Supervisors authorized the Director of Parks to approve any amendments to the agreement not to exceed 10% or \$5,141.

Prior to August 2014, Jim Viera was the sole owner of R.B. Welty and Associates, Inc., with whom the original contract for this project was executed. Effective August 20, 2014, Gary Madsen, the Project Manager and Design Engineer for this project, purchased R.B. Welty and Associates, Inc. from Jim Viera and legally changed the company name to Welty Engineering, Inc. (Consultant). Gary Madsen, has continued to act as Project Manager and Design Engineer for this project under Welty Engineering, Inc. and maintains the background knowledge and expertise to successfully complete the project. Therefore, it is in the best interests of this project if the County and Consultant consent to the assignment of the Agreement from R.B. Welty and Associates, Inc. to Welty Engineering, Inc.

The deliverables of the original agreement were plans, specifications, and estimate (PS&E) for the Project improvements which consisted of providing 41 recreational vehicle (RV) sewer and electrical services at the T-Island Campground and 20 RV sewer and electrical services at the Muir Point Campground.

Approval to Amend the Agreement for All-Inclusive Engineering Design Services with Welty Engineering, Inc, formerly R.B. Welty and Associates, Inc., for the Woodward Reservoir Muir Point and T-Island Campground Projects

Additionally, existing restroom facilities at the T-Island Campground will be modified in order to make them compliant with the Americans with Disability Act (ADA).

One of the tasks in the original agreement was to evaluate the existing sewer infrastructure at the Project locations and provide a recommendation as to whether or not it was possible to construct the noted improvements without having to perform any modifications to existing sewer infrastructure. In April 2014, the Consultant submitted to County staff a Technical Memorandum outlining their findings and recommendations related to the Project.

Based on the findings presented in the Technical Memorandum and the fact that the existing sewer infrastructure is not able to support the intended Project improvements, there is a need to significantly increase the Project's design and construction scope. This amendment reflects an increase to the Project's scope for design services. The increase to the original agreement's scope is based on the additional design services for the following:

1. Construction of a lift station at Muir Point campground.
2. Upgrading the pumps at the T-Island lift station as the current pumps are undersized.
3. Replacement of the exiting sewer conveyance pipes at the T-Island lift.
4. Upsizing the existing 3 inch force main with a 4 inch force main.
5. Replacement of the existing gravity sewer pipe with a larger diameter pipe. This will provide sufficient capacity to accommodate wastewater flows from Lift Stations 1-4.
6. Upgrading the existing electrical service at Muir Point and T-Island campgrounds to accommodate proposed improvements.
7. Upgrading the existing electrical infrastructure for the Hackberry Flat camping area to accommodate proposed improvements.

These additional improvements were identified in the Technical Memorandum as necessary in order to provide the proposed services at Muir Point and T-Island campgrounds.

Woodward Reservoir is a drinking water reservoir. As such, it's paramount to prevent wastewater spillages. To that end, it's critical that the entire sanitary sewer system infrastructure be in sound condition. Furthermore, to enhance revenue and to remain consistent with the County's Park Master Plan, it is Parks goal to create additional full hookup camping sites for park patrons at this facility.

County Staff, in evaluating the Consultant's findings and recommendations, considered the existing sanitary sewer system's age and condition. The sewer system, which was installed in 1975, consists of approximately 9,000 linear feet of pipe with projected life span of 50 years. Therefore, it will reach its useful life in 10 years or by 2025. Parks staff is not fully aware of the entire sewer system's condition therefore a full analysis on the entire sewer network is necessary. This will be accomplished by a Sewer System Capacity Evaluation technical report.

Parks and Public Works staff concur with the Consultant's recommendations noted above. To move forward with the project requires the Consultant to provide additional professional engineering services beyond the original Scope of Work.

Approval to Amend the Agreement for All-Inclusive Engineering Design Services with Welty Engineering, Inc, formerly R.B. Welty and Associates, Inc., for the Woodward Reservoir Muir Point and T-Island Campground Projects

The contract Amendment will include the following:

- A sewer system capacity evaluation;
- Design and preparation of modified domestic water plans for T-Island and Muir Point;
- Improvement plans and specifications;
- Muir Point's pump station design, plans and estimate, bidding and construction support;
- Project Development Team meetings;
- Muir Point's lift station;
- A civil site layout and design for Muir Point's pump station and piping;
- Project management and coordination;
- Preparation of existing sanitary sewer site exhibit; and,
- A topographical survey for the remaining sanitary sewer system.

The proposed project design revisions and enhancements that contribute to the costs associated with Amendment No. 2 will not only enhance the camping amenities at the facility but also ensure that the majority of the sewer system distribution network is in sound condition.

It is anticipated that the design and technical evaluation will be completed by September 2015.

**POLICY ISSUES:**

The Woodward Reservoir Muir Point and the T-Island Campground projects supports the Board's priorities of providing A Safe Community, A Healthy Community, and A Well Planned Infrastructure System by providing and improving recreational resources, facilities, and upgrading their sanitary sewer systems.

**STAFFING IMPACT:**

Oversight of this project will be performed by current staffing levels within Parks and Public Works Departments.

**CONTACT PERSON:**

Jami Aggers, Parks and Recreation Director. Telephone: (209) 525-6770.  
Matthew Machado, Public Works Director. Telephone: (209) 525-4130.

**ATTACHMENT:**

Amendment with Welty Engineering, Inc.

DB: djd

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**Department of Park and Recreation**  
3800 Cornucopia Way, Suite C,  
Modesto, Ca 95358-9492  
Phone: (209) 525-6700  
Fax: (209) 525-6774

**AMENDMENT NO. 2**  
**TO**  
**STANISLAUS COUNTY**  
**PROFESSIONAL DESIGN SERVICES AGREEMENT**

This Amendment No. 2 to the Agreement for Professional Design Services ("Amendment No. 2") by and between the County of Stanislaus ("County") and Welty Engineering, Inc. (Formerly R.B. Welty and Associates, Inc.) ("Consultant") is made and entered into on March 17, 2015.

WHEREAS, the County and Consultant entered into an Agreement for Professional Design Services dated December 10, 2013, ("the Agreement"); and

WHEREAS, Section 7.20 – "Amendments" stipulates that the Agreement may be amended by writing, executed by the parties hereto or their respective successors and assigns; and

WHEREAS, effective August 20, 2014, Gary Madsen, the Project Manager and Design Engineer for this Project, purchased R.B. Welty and Associates, Inc. from Jim Viera and legally changed the company name to Welty Engineering, Inc.; and

WHEREAS, Gary Madsen continues to act as Project Manager and Design Engineer for this Project, therefore Welty Engineering Inc. maintains the background knowledge and expertise to successfully complete the project; and

WHEREAS, Amendment 1 dated November 5, 2014, added only Task 10 to Exhibit "B" Consultant's Response to County's Request for Proposal", in the Section titled "Scope of Work (Sewer System Evaluation)", Page 8 because Tasks 5 through 9 were being reviewed by the County to determine if the tasks were going to be needed and in Section 2.1 the not to exceed amount was increased to \$52,702.00; and

WHEREAS, based on the findings presented in the Technical Memorandum dated April 21, 2014 prepared by the Consultant, existing deficiencies at T-Island, Hackberry Flat, and Muir Point campgrounds have been identified. In addition, sewer pipe deficiencies in several segments of the sanitary sewer network at the Woodward Reservoir Park (Park) have been identified. Due to these findings, the County has a need to increase the Project's scope; and

WHEREAS, Section 2 – Compensation and Billing, Item 2.1 Compensation of the Agreement stipulates that the maximum amount to be paid by the County for services shall not exceed \$52,702, and

WHEREAS, the County has a need to increase this Agreement by \$149,521 (includes a 10% contingency amount) to compensate Consultant for additional Work performed to complete the Project, and

WHEREAS this Amendment is for the mutual benefit of County and Consultant;

NOW, THEREFORE, the County and Consultant agree as follows:

1. County consents to the assignment of the Agreement from R.B. Welty and Associates, Inc. to Welty Engineering, Inc.
2. Exhibit "B", Page 6 – "Detailed Scope of Work" provided by Consultant is amended to include the following:

"The additional scope of services outlined in the following Tasks shall supplement the scope of services defined in the original contract and Amendment Number 1 to the original Agreement. The deliverables of additional scope for all-inclusive engineering design services authorized by this Amendment shall address all deficiencies outlined in the Technical Memorandum dated April 21, 2014, prepared for this project by the Consultant. The Technical Memorandum outlines several alternatives for existing deficiencies at T-Island, Hackberry Flat, and Muir Point campgrounds. It also identifies sewer pipe deficiencies in several segments of the sanitary sewer network at the Woodward Reservoir Park (Park). The Consultant shall coordinate with

the County to select the appropriate alternatives. The final scope for design services and physical improvements at the Park shall be based on the alternatives selected by the County. The Consultant shall use the final scope to prepare improvement plans, specifications and engineer’s estimate (PS&E). The Consultant shall insure that the final PS&E completely address all deficiencies outlined in the Technical Memorandum. It is the intention of this Amendment to expend Consultant’s scope of services, outlined in the original contract, in order to provide the Consultant with sufficient resources to produce quality PS&E that will insure that all improvements are bid and constructed successfully.”

3. Exhibit “B”, Page 6 – “Detailed Scope of Work” is amended to include the following tasks:

a. Task 4.0 is amended to include the following:

**“Task 4.0-A Bidding and Construction Support**

4.0-A1 Consultant shall respond to Requests for Information (RFI) as required by the project for the additional scope items.

4.0-A2 Fee: \$2,830”

b. Task 5.0 is amended to include the following:

**“Task 5.0-A Project Management and Coordination**

5.0-A1 Consultant shall provide comprehensive project management for the expanded project and project team as required to deliver the project on schedule and on budget.

5.0-A2 Consultant shall attend PDT meetings as required by the project (maximum of 6).

5.0-A3 Fee: \$9,240”

c. The following tasks are added to the Scope of Work:

**“Task 6.0 Topography Survey for Remaining Sanitary Sewer System**

6.1 Consultant shall perform a site topography survey as required by the increased project’s scope to verify elevations and locations of the existing sewer conveyance system.

6.2 Fee: \$4,800

**Task 7.0 Prepare Existing Sanitary Sewer Site Exhibit**

7.1 Consultant shall convert field collected data into electronic form (AutoCAD 2015).

7.2 Consultant shall use field collected data and existing plans to prepare an exhibit representing the existing sewer conveyance system.

7.3 Task 7.0 Deliverables:

7.3.1 Consultant shall incorporate existing Sanitary Sewer Site Exhibit sheet/s into the project’s improvement plans and Consultant shall submit to the County for review at the 35% progress level along with project’s improvements layout.

7.4 Fee: \$5,410

**Task 8.0 Civil Site Layout for Additional Project Improvements**

8.1 Consultant shall prepare conceptual layouts and provide preliminary engineering necessary to determine the proposed location for the pump station, piping, & electrical services for County’s review and approval (3 revisions included). Consultant shall submit a draft Site Plan for County’s

review and approval. Consultant shall update draft Site Plan per County's comments. Consultant shall prepare the final Site Plan, after all County's comments, from various progress submittals, have been addressed.

8.2 Task 8.0 Deliverables:

8.2.1 See deliverables requirements described in Section 12.0 Consultant's Deliverables Requirements, below.

8.3 Fee: \$3,680

**Task 9.0 Design and Prepare Modified Domestic Water Plan/s**

9.1 Consultant shall incorporate the relocation of existing water services to new locations adjacent to new sanitary sewer hook-ups at both T-Island and Muir Point. The design of water and sewer services shall meet minimum spacing and other code requirements to insure healthy and safe drinking water system.

9.2 Fee: \$2,880

**Task 10.0 Pre-Construction Permits**

10.1 Assist County With Securing WDID Number

10.1.1 Upon request from the County, the Consultant shall set-up SMARTS account with California State Water Resources Control Board and submit calculations and documentation necessary to secure NPDES General Permit WDID Number. The Consultant shall provide County with a copy of Risk Level Calculations. The Consultant shall not be responsible for preparing SWPPP for this project.

10.1.2 Task 10.1 Fee: \$1,340

10.2 Permits (Optional Task)

10.2.1 If applicable, the Consultant shall secure any other permits necessary to bid this project.

10.2.2 Optional Task 10.2 Time and Materials fee shall not exceed \$13,660

**Task 11.0 Additional Optional Services**

11.1 At discretion of the County, the Consultant shall perform additional services as needed to complete project improvements. Additional work performed shall be billed on a time and material basis based on Consultants current rate sheet (see Exhibit A – Rate Schedule, attached). Additional tasks for any additional services requested by the County for this Project that fall outside this scope, may include, but are not limited to: topographical survey, project coordination, meetings, exhibits, improvement plans, and as-builts.

11.2 Fee: \$10,000

**Task 12.0 Consultant's Deliverables Requirements**

12.1 The Consultant shall be responsible for coordinating all submittals and deliverables.

12.2 Project Plans

12.2.1 The Consultant shall be responsible for coordinating and submitting draft project plans at each progress submittal level. The progress submittals shall occur at 35%, 65%, 95% and 100% levels. The

Consultant shall be responsible for enforcing the project's design schedule and quality of the improvement plans. Project plans shall be prepared according to County CAD standards and shall comply with the requirements outlined in the original contract. At the appropriate time, the Consultant shall request County's AutoCAD templates. The County AutoCAD templates shall serve as the bases for preparing improvement plans.

- 12.2.2 Prior to making progress submittals to the County or any other relevant agency, the Consultant shall package all progress submittal documents into one plan set and shall ensure that all plan sheets are prepared in the same format per County standards. The County shall review project plans at each submittal level and provide comments. The Consultant shall be responsible for ensuring that all County's plan comments are addressed appropriately.
- 12.2.3 Each progress submittal shall include 2 sets of half-size plan sheets, 2 sets of full size (24"x36") plan sheets, and full size electronic version in PDF format. The County reserves the right to request AutoCAD files, for the project improvements, at any time.
- 12.2.4 Once the final Project's improvement plans have been reviewed and approved by the County and any other relevant agencies, the Consultant shall produce a full sized (24"x36") mylar plan set for all improvements and collect all appropriate signatures. The Consultant shall scan final signed and stamped plans and provide County with three full sized bond copies and a PDF copy. Upon County's request, the Consultant shall deliver final AutoCAD files for all plan sheets. The AutoCAD files shall comply with County's CAD standards and requirements.

12.3 Project Specific Special Provisions (SP):

- 12.3.1. The County shall provide Consultant with a template for SP. The Consultant shall update County's template to be project specific. The Consultant shall add or delete items in County's SP template as necessary to clearly describe and address all project's construction items and activities. All items listed in the final engineer's estimate shall be addressed in final SP. At 95% progress submittal level, the Consultant shall submit draft version of SP and Engineer's Estimate for County's review. Once SP are prepared to County's satisfaction, the Consultant shall sign and stamp the cover page of SP and deliver final version to the County. The Consultant shall also provide County with an electronic copy of final SP in Microsoft Word format. The final version of SP shall contain all information necessary to successfully bid and construct this project.

12.4 Engineer's Estimate:

- 12.4.1 Starting at 65% progress submittal level, the Consultant shall include a draft version of engineer's estimate with each progress submittal. Once the final project plans have been reviewed and approved by the County and the Consultant has secured all appropriate signatures, Consultant shall package all estimates and quantities into one document. Consultant shall sign and stamp final engineer's estimate for all improvements and deliver one hard copy and an electronic copy (in Excel spreadsheet format) to the County. The County will use quantities from final engineer's estimate for bidding purposes."

4. Exhibit "B", Page 7 – "Scope of Work (Sewer System Evaluation)" is amended to include the additional tasks:

- a. Task 3.0 is amended to include the following:



**"Task 3.0-A PS&E for Additional Project Improvements (Optional Task)**

3.0-A1 Prepare and submit plans, specifications, and cost estimates for the recommended improvements determined in Task 5.0 below. The proposed fee for this task reflects the cost for a plan set that encompasses the subject sewer system totaling 10 sheets.

3.0-A2 Deliverables:

3.0-A2.1 All deliverables and progress submittals shall be coordinated through Consultant. The Consultant shall be responsible for submitting an appropriate number of copies of progress project plans and, when necessary, any other documents for each progress submittal level. The Consultant shall ensure that each progress submittal complies with County requirements.

3.0-A3 Fee: \$28,002"

b. Task 4.0 is amended to include the following:

**"Task 4.0-A Bidding and Construction Support**

4.0-A1 Provide engineering support during project bidding and construction for Task 3.0, if necessary, and Task 6.0.

4.0-A2 Respond to contractor RFI's, participate in pre-bid meetings, assist with reviewing bids and contractor selection, review and respond to submittals, and attend progress meetings as required. The extents of this work cannot be completely defined at this stage of the project therefore the work shall be provided on a time and materials not to exceed basis.

4.0-A3 Deliverables:

4.0-A3.1 Provide responses to written requests for clarifications (RFI's) from contractors and meeting minutes. This scope of services does not include coordinating with regulatory agencies or permitting activities.

4.0-A4 Fee: \$2,565"

c. The following Tasks are added to the scope of work:

**"Task 5.0 Sewer System Capacity Evaluation**

5.1 Visually inspect the wet well, pumps, motor data, level settings, motor starters, and control equipment and determine the limiting capacity and components of the existing pump stations #1, #2, and #4 and force mains. Review the pump curves from the pump manufacturer for the existing sewer pumps and recent flow data collected by the County.

5.2 Use published wastewater flow factors to calculate the current and future wastewater flows to the pump station to verify whether capacity exists to pump the increased wastewater flows. If it is determined that capacity is deficient, the costs of alternatives shall be evaluated to be used as a basis for recommending future improvements.

5.3 Review the topographic survey data to confirm the material, size, and slope of the gravity sewer pipe. Review record data for the sewer collection system to determine the extents of the gravity sewer service area. Calculate the current wastewater flows conveyed by the gravity pipe. Based on the improvement of campsites at T-Island and Muir Point, the average and peak flows shall be calculated from the Muir Point camp ground to the existing gravity main. A determination shall be made if available capacity exists.

5.4 Prepare a technical memorandum with analysis results and recommendations. Based on current and future wastewater flows, if existing sewer system or its segments/components are identified to be deficient or approaching deficiency, appropriate recommendations shall be made to be used as the bases for planning future projects. The recommendations shall clearly summarize all deficiencies and, if applicable, the projected date the deficiencies will occur. For the purposes of planning future projects, the Sewer System Capacity Evaluation report shall include preliminary engineer's estimate for any existing or future deficiencies identified in the Sewer System Capacity Evaluation report.

5.4.1 The first version of the technical memorandum shall be considered a draft version. County shall review the draft version of the technical memorandum and provide comments. The technical memorandum shall be modified per the County's comments and to County's full satisfaction.

5.5 Task 5.0 Deliverables:

5.5.1 Prepare a Sewer Study technical memorandum that summarizes calculations, data sheets, cost estimates, and recommendations for improvements and/or upgrades

5.6 Fee: \$19,527

**Task 6.0 Pump Station/s Design and PS&E for Project Improvements**

6.1 Preliminary Design Evaluation - Review information and consider input provided by the County for requirements, recommendations, and preferred vendor items for designing the new pump station. The evaluation shall consider:

6.1.2 To the greatest extent possible, standardization with other existing pumping equipment/facilities on site.

6.1.3 Location, size, and type of new pumping equipment and force main size and alignment.

6.1.4 Calculations for wet well sizing and pump capacities for optimal cycling frequencies.

6.1.5 Measures to mitigate noise, odor, insects, and vectors for the station.

6.1.6 SCADA integration and/or alarms depending on the County's preference.

6.1.7 Provisions for back-up power and security.

6.1.8 Preliminary cost estimate.

6.2 Prepare detailed design documents for the preferred options/alternative identified during the pump station pre-design effort. The design documents shall consist of plans and technical specifications (Special Provisions). Plans shall be prepared in AutoCAD Civil 3D 2012 format and technical specifications shall be prepared in Microsoft Word (CSI format). The detailed design documents shall address the following improvements:

6.2.1 Gravity Lines - Connection of the gravity pipe(s) to the pump station site, and connections to wet well and discharge structures. Plan sheets for gravity lines design shall be in plan and profile format.

6.2.2 Civil Site Design - Site utilities. Pipes, valves, electrical service location or other equipment necessary during construction and start-up of the new pump station.

6.2.3 Pump Station Civil, Mechanical and Structural Design - New pump station wet well. New pumps capable of conveying peak flow rates. New valves, grates, piping and valve vault.

- 6.2.4 Force main design. Plan sheets for force main design shall be in plan and profile format.
- 6.2.5 Project Specifications – Prepare technical specifications (Special Provisions) for the work (excluding electrical specifications). Bid documents "front end" sections for bidding, contract, and general conditions shall be provided by the County.

6.3 Task 6.0 Deliverables:

- 6.3.1 All deliverables and progress submittals shall be coordinated through Consultant. The Consultant shall be responsible for submitting the appropriate number of copies of progress project plans and, when necessary, any other documents for each progress submittal level. The Consultant shall ensure that each progress submittal complies with County requirements. The deliverables shall be provided to the County per submittal requirements outlined under Consultant's scope of services and at a minimum shall consist of: design plans, cost estimate and calculations updated per corresponding progress submittal level. Design drawings shall be placed on County's title block and shall be prepared in accordance to County CAD standards.

6.4 Fee: \$27,082

**Task 7.0 Project Design Team Meeting**

- 7.1 Attend a maximum of 6 meetings, at the request of the County.
- 7.2 Fee: \$2,282"

5. Exhibit "B", Page 8 – "Scope of Work (Electrical)" is amended to include the additional tasks:

**"Task 5.0 Electrical Service/s Design and PS&E for Project Improvements**

- 5.1 Design new feeder to lift station and related branch circuits to pump as well as instruments within wet pit. Pump supplier shall provide a "Turn-Key" control panel for the lift station.
- 5.2 Deliverables:
  - 5.2.1 All deliverables and progress submittals shall be coordinated through Consultant. The Consultant shall be responsible for submitting the appropriate number of copies of progress project plans and, when necessary, any other documents for each progress submittal level. The Consultant shall ensure that each progress submittal complies with County requirements.
  - 5.2.2 The electrical design plan sheets must at a minimum show:
    - 5.2.2.1 Electrical site plan (with the location and type of electrical services clearly identified)
    - 5.2.2.2 General electrical notes
    - 5.2.2.3 Equipment schedule table for all electrical components, conductor schedule table
    - 5.2.2.4 If applicable, PLC controls plan sheet, process diagram
    - 5.2.2.5 If applicable, panel schedule, electrical details and legend
  - 5.2.3 Closely coordinate with pump site designer to insure proper electrical compatibility between all components.
  - 5.2.4 Coordinate with appropriate agency (electrical service provider) for determining electrical service location(s) and that all electrical components and design are in compliance with the requirements of

electrical provider. The location for connection/s to existing electrical grid shall be clearly identified on Project's improvement plans.

- 5.2.5 Estimate and compile quantities table for all electrical components and associated costs that shall be incorporated into Project's final engineer's estimate for bidding purposes.
- 5.2.6 Sign and stamp electrical plan sheets that will be incorporated into master Project's improvement plans. Final electrical plans shall clearly show all information and requirements necessary to successfully bid and construct Project's improvements.
- 5.2.7 Prepare project specific Electrical Special Provisions that will be incorporated into Project's overall Special Provisions for bidding purposes."

5.3 Fee: \$2,630"

6. Section 2 – Compensation and Billing, Item 2.1- Compensation of the Agreement, the second sentence is amended as follows:

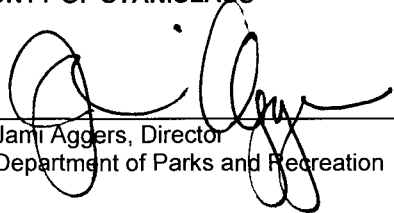
"Consultant's compensation shall in no case exceed Two Hundred Two Thousand, Two Hundred Twenty-Three Dollars (202,223.00)"

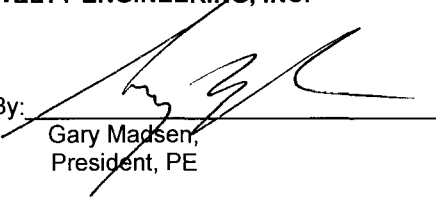
7. Except as stated herein, all other terms and conditions of the Agreement remain unchanged.

In witness whereof, the parties have executed this Amendment on the date written above.

COUNTY OF STANISLAUS

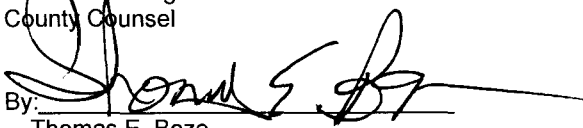
WELTY ENGINEERING, INC.

By:   
 Jami Aggers, Director  
 Department of Parks and Recreation

By:   
 Gary Madsen,  
 President, PE

APPROVED AS TO FORM

John P. Doering  
County Counsel

By:   
 Thomas E. Boze  
 Deputy County Counsel

**EXHIBIT A – RATE SCHEDULE**

Consultant will be compensated on a lump sum basis for each task as set forth in the scope of work, above, and, by this reference, made a part hereof. In addition to the aforementioned fees, Consultant will be reimbursed for the following items, plus any expenses agreed by the parties as set forth in the scope of work above, that are reasonable, necessary and actually incurred by the Consultant in connection with the services:

- (a) Any filing fees, permit fees, or other fees paid or advanced by the Consultant.
- (b) Expenses, fees or charges for printing, reproduction or binding of documents at actual costs.

2. The County shall retain five (5) percent of all periodic or progress payments made to the Consultant until completion and acceptance of all work tasks.

Any additional work performed under Section C Task 11.0 "Additional Optional Services" shall be billed on a time and material basis based on Consultants current rate schedule, below.

**Consultant's Fee Schedule**

<b>CIVIL ENGINEERING DEPARTMENT HOURLY RATE</b>	
Administrative Assistant	\$50.00/hour
Civil Technician 2	\$75.00/hour
Civil Technician 1	\$85.00/hour
Assistant Civil Engineer	\$95.00/hour
Associate Civil Engineer	\$105.00/hour
Civil Engineer/Project Manager	\$120.00/hour
Civil Engineering Department Manager	\$130.00/hour
Principal Engineer	\$150.00/hour
Civil Engineer Expert Witness	\$225.00/hour
<b>STRUCTURAL ENGINEERING DEPARTMENT</b>	
Administrative Assistant	\$50.00/hour
Structural Technician 2	\$75.00/hour
Structural Technician 1	\$85.00/hour
Assistant Structural Engineer	\$95.00/hour
Associate Structural Engineer	\$105.00/hour
Structural Engineer/Project Manager	\$120.00/hour
Structural Engineering Department Manager	\$130.00/hour
Principal Engineer	\$150.00/hour
Structural Engineer Expert Witness	\$225.00/hour
Administrative Assistant	\$50.00/hour
<b>SURVEY DEPARTMENT</b>	
Administrative Assistant	\$50.00/hour
Survey Technician 2, ST2	\$60.00/hour
Survey Technician 1, ST1	\$75.00/hour
Survey Technician 1 – Prevailing Wage, ST1-PW	\$90.00/hour
Party Chief (One Man Crew), PC1	\$125.00/hour
Party Chief (One Man Crew) – Prevailing Wage, PC1-PW	\$165.00/hour
Party Chief, PC2	\$85.00/hour
Party Chief – Prevailing Wage, PC2-PW	\$125.00/hour
2-Man Survey Crew, 2MSC	\$160.00/hour
Land Surveyor, LS	\$120.00/hour
Survey Department Manager, SDM	\$130.00/hour
Land Surveyor Expert Witness, LSEW	\$225.00/hour