Olivehurst Public Utility District

Agenda Item Staff Report

Meeting Date: June 20, 2024

Item description/summary:

Consider approval of amendment #9 to the July 31, 2020 Professional Services Agreement with Jacobs Engineering. The amendment (attached) covers the completion of design and project management for reliability improvements at the WWTF and design for OPUD SSO related collections system improvements. Most of the costs for this amendment are funded by the Water Agency but OPUD is responsible for Task B (SSO related) at a cost of $486,038.

Fiscal Analysis:

The $486,038 To be funded by a combination of collections capacity fees and reserves.

Employee Feedback

None

Sample Motion:

Move to approve amendment #9 to the Jacobs Professional Services Agreement dated July 31, 2020.

Prepared by:

John Tillotson, P.E., General Manager

Olivehurst Public Utility District

Amendment No. 9 to the

July 31, 2020 Professional Services Agreement

Pursuant to the July 31, 2020, PROFESSIONAL SERVICES AGREEMENT (PSA) for water and wastewater infrastructure design for South Yuba County between Olivehurst Public Utility District (Client) and Jacobs Engineering (Consultant), this AMENDMENT NO. 9 is hereby issued to Consultant.

General

A funding strategy for the OPUD/City of Wheatland Regional Only Project has been developed between the Olivehurst Public Utility District (OPUD) and the Yuba Water Agency (YWA). Consultant has been requested to prepare an amendment to finalize design and add bidding and award support services to the contract. Additionally, the original PSA and subsequent amendments did not include any scope items related to (a) submitting permit applications to agencies for environmental and regulatory permitting activities or (b) pump station controls system design, and that work is added per this Amendment.

In addition to the permitting and pump station control work noted above, the following general changes to the program have been incorporated into this Amendment (in no particular order, but Items 1 through 4 are to be funded by either State or YWA grant monies, and Items 5 through 6 will be funded from OPUD Capital and Reserve Funds.

1. YWA and other Stakeholders made the determination that providing sewer and water service to the Sports and Entertainment Zone (sometimes referred to as the "South County Area") is not economically feasible at this time (although all Stakeholders are still working on a plan to later provide sewer and water service to that area). A number of changes have come about as a result of that decision, to include:

    a. PS #21 will be reduced in size to initially only provide sewer service to the City of Wheatland.

    b. The Main Sewer Transmission Pipe downstream of PS #21 shall be decreased in size, and each of the tunneled crossings downstream of PS #21 shall be revised.

2. PS #26 will be deferred until a later date. This decision has also impacted the point of discharge for the existing OPUD PS #2. Instead of discharging to the PS #26 wet well it will now need to discharge to the Main Sewer Transmission Line. While not a preferred option, there are no other solutions available for this discharge.

3. PS #2 upgrades will be added to the Project.

4. WWTP Reliability and Replacement elements will be added to the Project. These improvements will not increase the capacity of the WWTP, but they will provide for a more reliable treatment facility.

5. Completion of design work for PS #1 and its appurtenances. No conceptual changes are planned for PS #1.

6. Completion of design work for WWTP expansion. Given continued growth in the OPUD service area since the original PSA, this work will be expanded to include some minimal increase in solids dewatering capabilities and tertiary filtration reliability improvements at the WWTP.

The full scope of services is more completely described below.

As has previously been the case, the work described below has been categorized by funding source. The two funding sources, for the purposes of the PSA and this Amendment are YWA (to include State grant monies in some cases) and OPUD. An agreement between those two funding agencies is referenced but is not part of this Amendment. This Amendment is solely between Client and Consultant. Tasks 1 through 8 are tasks that have underlying funding that has been provided by YWA (and in some cases grant monies from the State of California), and Tasks A and B are tasks that are funded solely by OPUD.

Changes to the Scope of Services

Amendment No. 9 Tasks

The following are added to the Scope of Services:

Task 1 – Project Management

Tasks 1.1: Coordination Meetings, 1.2: Monthly Progress Reports and Invoices, and 1.3: Project Management:

The duration of the design phase of work will be extended through February 2025 due to the need to obtain funding for the Project then completing final design efforts and adding bidding and award services to the contract. YWA has engaged GEI to assist in defining and obtaining funding for the Project, and the timing anticipated for bidding and awarding the Project has been extended to June 30, 2025.

Jacobs Team members (Jacobs, MHM, D&A, Planning Partners, and Blackburn as needed) will have weekly internal progress coordination meetings to discuss and coordinate project status, action items, next steps, timelines and milestones. These meetings may include OPUD and/or coordination with YWA, Yuba County and YWA's Program Manager (GEI). A total of 32 weekly progress coordination meetings is assumed between July 1, 2024 and the end of February 2025 with monthly coordination meeting occurring thereafter through June 30, 2025. Total of 36 meetings is assumed, each being a maximum of 1 hour in length.

Task 1.4: Stakeholder Coordination Allowance

Stakeholder coordination activities are intended to include Consultant assistance to YWA and GEI, as well as other Stakeholders (to include the City of Wheatland, Yuba County, and others, as requested by the Program Manager, GEI). Consultant will provide information as requested, but as previously noted for this Task, it is difficult to understand the full range of activities this task requires. The parties to this Amendment acknowledge this work is based on allowance amounts of $225,000, and is not a not-to-exceed amount. In the event that additional funding is required for this task Consultant shall notify Client in advance of such need; Consultant is not obligated to expend time or effort beyond the allowance granted for this work.

Task 1.5: Environmental Permitting Support

At the time the original scope of work and previous amendments were developed, it was not known what specific agencies would be involved in permitting activities, since the biological and cultural resources studies had not yet been completed. It is now known that permits for impacts to aquatic features and special-status species habitat will be necessary for the Project, and this Amendment provides Consultant with direction to apply for such permits (Owner shall be responsible for payment of permit application fees). Permits are streambed alteration agreements for each creek crossing and Clean Water Act Sections 401 and 404. The parties to this Amendment acknowledge this work is based on an allowance amount and is not a not-to-exceed amount.

Individual task activities added to the scope of work for this Task 1.5 are included in the attached proposal from the CEQA consultant for the Project, Planning Partners.

Task 2 – Preliminary Design Services

The following are descriptions of remaining preliminary design services and are based on leveraging past reports, information and data to the greatest extent possible as described below.

Task 2.1 – Geotechnical

Geotechnical related work has been conducted by Blackburn Consulting and reviewed by Jacobs staff, as appropriate. Geotechnical work included in this amendment shall include the following which is required to completed the design, bid, and award the project:

- Subsurface exploration at the WWTP and Pump Station 2
- Finalizing the Geotechnical Data Report and Geotechnical Basis of Design Report

Deliverables: Final Geotechnical Data Report and Geotechnical Basis of Design Report in pdf format.

Task 2.4 – Sewer Creek Crossings

Remaining predesign tasks include the pipeline changes described above and updating the Horizontal Directional Drilling (HDD) design for the following six (6) sewer pipeline creek crossings:

- Virginia Road and Rancho Road currently shown on Sheet CR-11
- Kimball Creek and Rancho Road currently shown on Sheet CR-08
- Hutchinson Creek and Rancho Road currently shown on Sheet CR-05
- Reeds Creek and Rancho Road currently shown on Sheet CR-02
- Olive Avenue and State Route 65 currently shown on Sheet CR-13. Split, reduce diameter, and design the installation of two electrically actuated control valves in control box near east side of this HDD to minimize solids deposition and allow flushing of the HDD segments.
- McGowen Parkway and State Route 70 currently shown on sheet CR-17

Geotechnical work to revise the Geotechnical Baseline Report (GBR) for the trenchless crossings will be completed by Jacobs staff under this task.

Work associated with the final design of these crossings is described in Task 3.2F.

Deliverables: Final Geotechnical Baseline Report (GBR) in pdf format.

Task 2.5 – Executive Summary Revision

The Jacobs team will update the Executive Summary for the Basis of Design Reports (September 2022) to reflect the following Project changes along with direction for this amendment to reflect the regional project only without South Yuba County sewer or water components:

- Tasks 2.1 and 2.2 above
- Pipeline revisions described below in Tasks 3.2A through 3.2F
- Pump station revisions described below in Tasks 3.2G and 3.2H
- Revisions to Tasks 4 through 7 and Alternative Tasks A and B described below

As discussed during the April 30, 2025 meeting at GEI's Rancho Cordova Office, costs will NOT be updated by the Jacobs Team and the Project schedule will be updated to reflect awarding the Project by June 30, 2025.

Task 3 – Final Design

The following are descriptions of remaining final design services and are based on leveraging past design submittals, information and data to the greatest extent possible as described below.

Task 3.2 – 100 % (Final) Submittal

Prepare 100 % (Final) Submittal bid documents based on Tasks 3.2A through 3.2H descriptions provided below:

Deliverables: 100% (Final) Submittal, 1 set of hardcopies and electronic (in Adobe pdf format) documents, including half-size drawings (11-inch by 17-inch), standard details (8-1/2-inch by 11-inch), and specifications (8-1/2-inch by 11-inch) will be delivered to OPUD for bidding and award. One CD containing technical specifications, standard details, full-size and half-size drawings in Adobe Acrobat .pdf file format.

One CD containing the drawing deliverables in AutoCAD 2012 dwg format.

As discussed during the April 30, 2025 meeting at GEI's Rancho Cordova Office, costs will NOT be updated by the Jacobs Team and the Project schedule will be updated to reflect awarding the Project by June 30, 2025.

Task 3.2A - Wheatland 18-inch Force Main (South End Rancho Road to Pump Station 21)

Finalize design of 18-inch force main from the south end of Rancho Road to the Pump Station 21 site. This force main shall convey sewage from the City of Wheatland to Pump Station 21. Currently this force main is shown on Sheets PP-20 through PP-33. Remove all other pipelines

and appurtenances in this area. All gravity sewer and water facilities will be removed from the improvement plans.

Task 3.2B – Pump Station 21 to Intersection of Olive Avenue and McGowan Parkway

Change pipeline from 24-inch diameter to 18-inch for removal of South County sewer flows from the system between Pump Station 21 and the intersection of Olive Avenue to McGowan Parkway. From this intersection, the pipeline is an existing 24-inch diameter pipeline that was installed by Yuba County as part of their improvements of McGowan Parkway. Remove all water and spur-related pipelines. All gravity sewer and water facilities will be removed from the improvement plans.

Task 3.2C – Intersection of Olive Avenue and McGowan Parkway to Pump Station 2

This portion of the pipeline was installed by Yuba County in 2022 and 2023. The 24-inch sewer pipeline was installed without air release/vacuum valves - these valves will need to be added. It appears that laterals were not installed based on discussions with the County. There was also some modification to the alignment and design. During construction, the contractor modified the alignment based on existing facilities that were encountered when the trench was opened. Potholing and other work, required to locate the 24 inch diameter pipeline installed by Yuba County has NOT been included in the scope of work or fee estimate at this time since the assumption is that Yuba County has appropriate record drawings for the work that they performed.

Task 3.2D – Pump Station 2 to Future Pump Station 26 Revisions

Part of this design revision will be to determine the as-built condition of Yuba County installed 24-inch sewer force main. The County's contractor did not construct the pipeline per the design plans and no as-built drawings have been provided to date. If this requires potholing and other work that has not been included in the scope of work or fee estimate at this time then additional design fee will be required. From the future Pump Station 26 site south, the pipeline shall remain a 24-inch diameter.

Task 3.2E – Future Pump Station 26 to OPUD WWTP

The force main in this reach remains the same but the plans will be updated to reflect the regional project only and not constructing Pump Station No. 26.

Task 3.2F – Creek Crossings Revisions

HDD design for the revised crossings described under Task 2 above will be completed as part of this final design task.

Task 3.2G – Pump Station 21 Revisions

Pump Station 21 (PS21) was previously designed for ultimate flows (e.g., 3.3 MGD), including those flows from the City of Wheatland and the four lift stations south of PS21 (Lift Station (LS)22, LS23, LS24 & LS25, all of which were intended to serve the South County Area). In addition, the destination has changed for force main discharging. It is now the WWTP rather than

PS26 whose construction is being deferred to a later date. The pump sizing for PS21 will be revised to 3.1 MGD (near-term peak flow rate), taking into account the reduced flow, pipe size and alignment revisions downstream. This will include recalculating the hydraulics for the system between PS21 and the WWTP.

There will not be a source of potable water at this station, which the Jacobs Team would consider to be a safety concern for the operators. A potable water tank and booster pump will be designed and provided for this location. It is assumed a 500 gallon tank with a 10 gpm pump will be sufficient for this purpose. This will not be sufficient to fight a fire at this location. It will only provide a limited amount of washdown water.

The electrical system as designed will support the ultimate (previously designed) size pumps and will not be significantly modified for the smaller pumps.

It is assumed that PS26 is being deferred to a later phase and no further work is to be done on it. Updates to PS21 and PS2 are required in lieu of PS26.

Task 3.2H – Pump Station 2 Revisions

Existing Pump Station 2 (PS2) and its force main will be designed for a 2 MGD flow and upgraded such that flow can be pumped into the new force main at a higher pressure. The existing panel and electrical pole will be replaced due to age and condition and relocated to a suitable position to allow for the installation of a standby generator a minimum of 10 feet from the wet well.

This station is located immediately adjacent to McGowan Ave. to the south, residents to the north and west, and open space immediately to the east then an open canal and SR 70. OPUD will investigate the ability to enlarge this pump station site to the east by approximately 20 feet. This expansion may provide suitable space for the installation of a biofilter for odor control.

Pump operation timing will need to be controlled and coordinated with PS21 operation to avoid PS2 running during PS21 flushing operations. Local flow would be stored in the PS2 wet well during this period.

Task 3.3 – Quality Control Review, Coordination and Response

Jacobs has implemented, carried out and managed a QC program by one of our local California managers of projects for previous work. The review process includes coordinating the participation of senior reviewers at appropriate points for review of the 100% (final) submittal prior to client submission. Consultant will perform multidisciplinary internal QC review activities using a senior review team. QC review activities will be governed by the requirements of the overall Jacobs developed Project Quality Management Plan. The 100 % (Final) Submittal will be reviewed by assigned QC reviewers, comments addressed, and changes incorporated, prior to submission to OPUD for review and comment.

Deliverables will be reviewed from the perspective of sound engineering design, constructability, construction cost, and operability.

Task 3.4 – PG&E Coordination

Final design tasks have been expanded to include coordinating Pacific Gas & Electric (PG&E) for power service to Pump Stations 1, 2 and 21. Consultant will provide information as requested up to the $35,00 allowance amount. However, because it is difficult to understand the full range of activities this task requires, the parties to this Amendment acknowledge this work is based on allowance amounts of $ $35,000, and is not a not-to-exceed amount.

Task 4 – Surveying and Mapping

Jacobs Team members will perform surveying and mapping for Existing Pump Station 1, Existing Pump Station 2, 2 parcels located immediately north of the WWTP, and ROW surveys for Pump Station No. 1, Pump Station No. 2, and Pump Station No. 21. Additional ROW areas will be required based on the HDD requirements. MHM has assumed the additional ROW surveys will impact seven (11) parcels for a total of 15. The boundary information will be sufficient for acquisition plats and descriptions.

The scope of work does not include rights of entry, show me staking or other field work for acquisition. It has been assumed that rights of entry would be provided by OPUD. Also, this work does not include preparation of a Record of Survey. A record of survey will be extra work. Until a boundary survey is completed, the Jacobs team is not able to determine if there is a need for a Record of Survey.

Deliverables:

- Surveying and mapping for Pump Stations 1 and 2 and 2 parcels at the WWTP located immediately north of the headworks.

- Right-of-Way Map for the PS 1, PS 2, PS 21, along with 11 parcels for HDD work along Rancho Road.

  Plats and Descriptions for PS 1, PS 2, PS 21, and portions of 11 parcels for HDD work along Rancho Road.

Task 5 – Permitting

This task includes managing non-environmental permit processes that are not delegated to the construction contractor. Specific permits covered under this task include Caltrans encroachment permitting, Yuba County encroachment permitting (e.g., road repair, pump station landscaping review. etc.), one UPRR encroachment permit, and Feather River Air Quality Management District permitting for backup generators.

Consultant will provide information as requested, but as previously noted for this Task, it is difficult to understand the full range of activities this task requires. The parties to this Amendment acknowledge this work is based on additional allowance amounts of $10,000 each, and, are not a not-to-exceed amounts.

Task 6 – Pump Station System Controls Design

This instrumentation and controls (I&C) work includes establishing standards with other design firms and common design objectives for pump station control which will be documented in Task 2.3 Executive Summary Revisions and will include the following:

- Meetings and coordination (Jacobs, Wheatland I&C consultant, and D&A/Frisch)
- Drawings: Network Diagram, Remote Monitoring System, Process and instrumentation Diagram (P&ID) - Pump Station 21, P&ID – Pump Station 26 (Existing), SR 65 HDD Valves and Installation Details

This task provides for the creation of a new communication network to be installed as part of the construction work for the Project that leverages 4G LTE or 5G technology and various internet service providers. This network will serve to connect both new and existing collection system assets onto a unified control system platform. This platform will facilitate the sharing and utilization of information across two SCADA systems, which are managed by the staff from OPUD and the City of Wheatland. The system will be designed to coordinate flushing operations from Wheatland's conveyance system to OPUD's wastewater treatment plant.

The SCADA design will include Inductive Automation human machine interface software and Allen Bradley CompactLogix PLCs. Additionally, a Mission Communication RTUs and cloud-based software will be used for reporting, remote alarm management, and remote monitoring.

This task does not include any integration or programming work at this time. It is assumed that Jacobs will incorporate their level of effort for integration and programming work during the construction phase of the Project as part of the pending Services During Construction Amendment for the work.

Task 7 – WWTP Reliability Improvements

The following replacement/enhanced reliability improvement shown below in Table 1 are to be added into the project and incorporated into the 100% (Final) Submittal.

Table 1. WWTP Replacement/Enhanced Reliability Improvements To Be Added to the Project

No.	Replacement/Enhanced Reliability Item	Reason/Issue
1	**Influent Screening:** Remove and Demolish Existing Fine Screen, and Install 2 New Fine Screens and Washer/Compactors	Existing units are close to 20 years old and at the end of their useful service life
2	**Grit Removal**: Replace 2 Existing Grit Chamber Pumps, Grit Classifier and Cyclone with New Motor Controls and other Appurtenances. Provide sunshade above grit chamber pumps. See if grit chamber pumps can be elevated/raised to address flooding and improve access for maintenance. Include work for contractor to fix locked and frozen gates.	These units are close to 20 years old and at the end of their useful service life.
3	**Influent Pumping**: Replace Existing Pumps (4 total, 2 large and 2 small). Provide Mixing in Wet Well. Review location of existing flow meter (FM) relative to location for 2 future pumps (adequate straight length of pipe to meet FM accuracy requirements)	These units are close to 20 years old and at the end of their useful service life. Scum blanket formation requires fix/mixing proposed
4	**Oxidation Ditches:** Replace gear boxes	Units are close to 20 years old and at the end of their useful service life.
5	**Secondary Clarification Upgrade:** New Shelf-Spare Secondary Clarifier Drive mechanism	The existing unit is close to 20 years old and at the end of its useful service life. Spare mechanism will improve reliability since there is no spare clarifier.
6	**Filtration Upgrade/Expansion (coordinate with Task B):** Automate 3 Existing Filter Influent Valves to provide ability to control and direct secondary effluent to filters and/or storage or install new pump in Filter Influent Wetwell. Consider and design the installation of 1 additional disk on each of 3 Existing Filter Units OR installation of alternative cloth media disk filter technology (e.g., Aqua Aerobics). Design of additional filtration unit is included in Task B. Both the addition of disks and filtration unit OR design of alternative filtration cloth media disk technology will be considered and compared together.	Additional filter capacity to treat peak wet weather flows. Clay content included as part of I/I flow are difficult to remove and blind filters.
7	**Disinfection:** Provide sunshade over UV disinfection. Consider and design the replacement of the 12 remaining modules and other appurtenances on existing UV disinfection system OR the installation of an alternative or upgraded UV disinfection system.	These units are close to 20 years old and at the end of their useful service life. Need shade structure to better maintain equipment.
8	**Flow Equalization:** Remove and replace temporary piping from Filters to Storage with permanent piping, bury beneath roadway and maintain access around filter units. Consider alternative point	

No.	Replacement/Enhanced Reliability Item	Reason/Issue
	of connection, east end of header). Provide ability to use full depth and volume of the Flow Equalization Basin (up to 2 ft freeboard).	
9	**Site Demolition:** Provide estimate of probable construction cost for demolition of the abandoned primary clarifier and aeration basin and two smaller diameter secondary clarifiers.	
10	**Control Building Improvements (Southwest area only):** Cleanup, removal obsolete, unused electrical equipment, consolidate remaining electrical equipment and renovate into office and storage space.	
11	**Automatic Transfer Switch:** Fix, is not automated at this time. Believe the breaker requires replacement.	
12	**Plant SCADA:**Upgrades to Accommodate New WWTP and Conveyance System Improvements Related to Wheatland and SSO Flows/Updated CMMS	Upgraded SCADA required for much more complex system operation for SSO and Wheatland flows into WWTP
13	**Ancillary Support Facilities:** Install New Utility Water Pump and Hydropneumatic Tank Install New Maintenance Building north of headworks. New building size to be a little larger than existing 50 x 25 ft maintenance/storage area.	These units are close to 20 years old and at the end of their useful service life Addition of Wheatland flow and load will require upsized buildings for staff and maintenance activities

Deliverables: To be incorporated with Tasks 3.2, 3.3 and 8 above.

Task 8 – Bidding and Award Assistance

The Jacobs team will provide the following for bidding and award assistance:

- Attend and help facilitate one pre-bid conference with potential bidders at the project site. Jacobs will record questions and requests for additional technical information received during pre-bid conference.

- Jacobs team will help to respond to potential bidders' technical questions and requests for additional information. Furnish technical interpretation of contract documents and prepare responses to questions in the form of up to two addenda to be distributed by others to all plan holders.

- Jacobs will assist, if requested, in reviewing bids received to verify that the bid is complete and responsive. This includes attendance by the Jacobs team member at the bid opening. Jacobs will prepare a letter recommendation of award.

Alternative Task A Olivehurst Improvements

Pump Station 1 Design Revisions: The design for PS1 will remain essentially the same. Elements will likely need to be added to satisfy any Yuba County or other agencies requirements. This may include sidewalks, curbs and gutter or other improvements.

Deliverables: To be incorporated with Tasks 3.2, 3.3 and 8 above.

Alternative Task B WWTP Improvements

Complete the 100% (Final) Submittal for the following improvements and the following two additional improvements described below:

- Additional influent pump
- Additional secondary clarifier and RAS pumping improvements
- Site grading improvements to existing Emergency Storage Basin

1. Design the addition of 1 filtration unit OR alternative cloth media disk technology. The addition of 1 filtration disks to each of the 3 existing filtration units OR design alternative cloth media disk technology is included in Task 7 above. Both the addition of disks and filtration unit OR design of alternative filtration cloth media disk technology will be considered and compared together. Additional filter capacity is needed to treat peak wet weather flows. Clay content included in I/I flow are difficult to remove and blind filters.

2. Solids handling improvements to thicken a portion of the sludge from the sludge lagoons prior to applying to the drying beds (in order to obtain additional drying bed capacity). Ideally configure thickener to connect to existing lagoon and drying bed piping, design trailer-mounted thickener to allow thickened sludge to be applied to any of the existing drying beds and stored outside of the drying beds and their access roads. Consider, compare, and discuss with OPUD both gravity belt thickeners and rotary drum thickeners.

Deliverables: To be incorporated with Tasks 3.2, 3.3 and 8 above.

Schedule

This work shall be commenced immediately after Notice to Proceed, which is anticipated to occur at OPUD's Board of Directors' Meeting on June 20, 2024. Completion date for the 100% (final) design submittal shall be extended from the prior completion date to the end of February 2025 and bidding and award shall be completed by June 30, 2025.

Compensation

The authorized contract amount for the original PSA and Amendment Nos. 1 through 8 is $6,066,937.00. The additional work associated with the tasks identified above sums to a total increase of $2,959,523 (including 10% markup on subconsultants). The total authorized contract amount after incorporation of this Amendment 9 will be $9,026,461.

The new budget amounts for the separate funding sources, and the new contract amounts, for services through the design phase of the Project are as follows:

Task	Description	Prior Contract Amount ($)	Amendment 9 Amount ($)	Revised Contract Amount ($)
1	**Project Management**	**1,142,542.00**	**638,068**	**1,780,610**
1.1-1.3	Project Management	516,282.00	236,041	752,323
1.4	Stakeholder Coordination Allowance	219,906.00	225,000	444,906
1.5	Environmental CEQA Allowance	406,354.00	177,027	583,381
2	**Preliminary Design Services**	**1,125,294.00**	**258,688**	**1,383,982**
3	**Final Design**	**2,187,899.00**	**524,285**	**2,712,184**
4	**Survey and Mapping**	**266,338.00**	**128,737**	**395,075**
5	**Permitting Allowance**	**90,000.00**	**65,931**	**155,931**
6	**Pump Station Systems Control Design**	**0.00**	**139,363**	**139,363**
7	**WWTP Reliability Improvements**	**0.00**	**658,087**	**658,087**
8	**Bidding and Award Support**	**0.00**	**60,326**	**60,326**
A	**Olivehurst SSO Improvements**	**367,651.00**	**0**	**367,651**
A.1-A.4	Olivehurst SSO Improvements	339,334.00	0	339,334
A.5	Olivehurst SSO Permitting/CEQA Allowance	28,317.00		28,317
B	**WWTP Improvements**	**856,964.00**	**486,038**	**1,343,002**
B.1-B.4	WWTP Improvements	793,072.00	486,038	1,279,110
B.5	WWTP/Permitting/CEQA Allowance	41,494.00		41,494
B.SCADA	SCADA PLC Programming	22,398.00		22,398
B.6	Bidding and Award Support	0.00		

Task	Description	Prior Contract Amount ($)	Amendment 9 Amount ($)	Revised Contract Amount ($)
C.1	**Win911 Upgrade**	**10,000.00**	**0**	**10,000**
D	**Yuba County**	**20,250.00**	**0**	**20,250**
	Total	**6,066,937.00**	**2,959,523**	**9,026,461**

This Amendment No. 9 will become a part of the referenced Professional Services Agreement when executed by both parties. No other changes to the original PSA are proposed as a result of this amendment, and unless otherwise modified above, all terms and conditions of the original PSA shall remain in full force and effect. Additionally, the provisions related to prevailing wage rates (included in Amendment No. 2) shall apply.

Client: Olivehurst Public Utility District

By: ___

John Tillotson

Title: General Manager

Date: _____

Consultant: Jacobs Engineering

By: Robert Tull

Rob Tull

Title: Vice President

Date: 06/13/2024