

# Olivehurst Public Utility District



## Agenda Item Staff Report

Meeting Date: January 21, 2021

### Item description/summary:

**Amendment number 2 to the design contract with Jacobs Engineering for the design of the South County infrastructure.** This item has been discussed in committee. The amendment (attached) details the reasons for the change of scope and increase in price for the work. A large portion is attributed to the CEQA work as noted. The extra CEQA money and contingency that we received in grant/loan from YWA will cover the costs leaving roughly \$127,000 for contingency. Note that this amendment does not include design changes attributed to the City of Wheatland's waste stream as a regional wastewater solution. Those costs will be detailed in amendment 3 and will be Wheatland's responsibility. Additionally, \$69,500 of the amendment is attributed to changes in our SSO reduction plan and will be funded by Wastewater capacity fees. Amendment 3 will also include some minor changes in the SSO reduction plan that will require additional funding. The total for amendment 2 is \$357,989.

### Fiscal Analysis:

As stated above

### Employee Feedback

None

### Sample Motion:

Move to approve amendment #2 to the design contract with Jacobs Engineering as presented above  
In the amount of \$357,989.

Prepared by:

John Tillotson, P.E., General Manager

# Olivehurst Public Utility District Amendment No. 2 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. 2 is hereby issued to Consultant.

## General

---

After the completion of negotiations and execution of the original PSA and Amendment No. 1 to the PSA, there have been changes requested to the defined scope of work for the Project. Those changes are incorporated into this Amendment No. 2, and generally consist of the following items:

- OPUD and Yuba Water Agency have agreed that the South County sewer and water infrastructure will not be the subject of an Economic Development Administration (EDA) grant, and therefore only the “normal” CEQA approach will be used for this project. That same approach will be applied to the Sewer System Overflow (SSO) reduction improvements. Planning Partners, Consultant’s environmental consultant (Planning Partners) for the Project, will perform the updated work scope related to CEQA compliance.
- While Amendment No. 1 added a portion of the work scope required by Planning Partners (that work was associated with biological and cultural resources evaluations of sites), it did not increase the Consultant’s budgets for those activities. This Amendment No. 2 provides funding for the Planning Partners’ work effort. Additionally, Amendment No. 1 also extended the project schedule by 10 weeks, and no additional level of effort was added to Consultant’s budget for Task 1 (Project Management) activities as part of Amendment No. 1. This Amendment No. 2 also includes budgetary adjustments for the increased project schedule and also extends the overall completion schedule for the work; ten weeks of schedule adjustment is assigned to the CEQA elements added as part of Amendment Nos 1 and 2. The remainder of schedule adjustments is assigned to Amendment No. 3 related to City of Wheatland changes.
- A Phase I Environmental Site Assessment for the Project has been completed by the Consultant team. That work has found a number of sites that may contain potentially hazardous materials. The Phase II work is intended to test those sites to determine the extent of hazardous materials, if any. Blackburn Consulting, Consultant’s geotechnical consultant for the Project, will conduct the Phase II ESA.
- The design for creek crossings previously assumed that a bore and jack methodology would be employed for the total of 5 water crossings and 5 sewer crossings that are part of the project for creek crossings (there are additional SR 65 and SR 70 crossings that have not changed). Preliminary geotechnical data and a risk evaluation have caused the Consultant to recommend that these creek crossings now be completed using a technology that will protect against water intrusion into the crossing during construction. Water intrusion into a bore and jack operation at the creek crossings has the potential to result in significant construction

claims for changed conditions and for construction schedule delay. It is recommended that Horizontal Directional Drilling (HDD) be used for the creek crossings.

- Stormwater Channel Piping is now required near the proposed water well site to meet the requirements of the Division of Drinking Water. Approximately 200 feet of stormwater piping is required.
- Based on information obtained by Consultant, the Secondary Effluent Equalization Basin plan needs modification. Client currently discharges stormwater from the wastewater treatment plant site to the existing Emergency Storage Basin (ESB). The scope of work assumed that the entire ESB would be used as Secondary Effluent Equalization Basin volume. Consultant needs to consider stormwater detention needs as part of the new work scope and design this project feature.
- Client has recently directly hired a right of way and property acquisition specialist, Bender Rosenthal. Consultant shall coordinate with Bender Rosenthal as directed and requested by Client.

## Changes to the Scope of Services

---

### Updated Amendment No. 2 Tasks

The following are added to the Scope of Services:

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

Task 1.1, 1.2, and 1.3 activities for the new work scope will be added to this Amendment No. 2. As noted above, a portion of the increased level of effort is associated with the extension of time for Amendment No. 1 schedule extension, and the remainder is related to work associated with this Amendment No. 2 (principally for Planning Partners and Blackburn new work scopes).

#### **Task 1.4: Stakeholder Coordination Allowance**

No changes to Task 1.4 are included as part of this Amendment No. 2.

#### **Task 1.5: Environmental (CEQA) Support**

Planning Partners was previously authorized by Jacobs to commence CEQA-related services, specifically to include a Biological Reconnaissance Report assessing the potential impact of the proposed project on protected species and habitats in the project area and a Cultural Resources Evaluation to assess the potential impact of the project on cultural and tribal resources in the project area; no change to the original compensation to Consultant was provided as a result of this Amendment No. 1 modification of work scope, since it was agreed that Planning Partners work would initially be assigned to Consultant's Task 1.5 Allowance. This Amendment No. 2 would allow the continuation of services to complete a CEQA evaluation of the SSO and South County components of the program and it will also increase the compensation for this task by the amount required for Planning Partners to complete the environmental work described in Amendment Nos 1 and 2.

Per provisions in Amendment No. 1, this Amendment No. 2 also includes those costs that were estimated by Planning Partners to complete the cultural and biological resources evaluation and associated tasks authorized in Amendment No. 1.

A more complete scope of work for these services prepared by Planning Partners is included as Attachment 1 to this Amendment No. 2. A portion of the scope and fee for the Planning Partners work is assigned to the SSO allowance item for Permitting and CEQA work; see Task B.5 for the portion of Planning Partners work associated with SSO related activities. For the South County portion of the CEQA work, a portion of the total level of effort should be reasonably allocated to the City of Wheatland improvements located in the OPUD service area; for the purposes of this Professional Services Agreement it is agreed that 20% of the total South County CEQA costs will be assigned to Amendment No. 3 (which are Wheatland-related costs). Final cost allocation between Wheatland and OPUD will be the subject of future negotiations, and the allocation in Amendment Nos. 2 and 3 is preliminary in nature. The parties to this Amendment acknowledge that a future approval of Amendment No. 3 will be required to complete the CEQA work scope, and they also agree that this work is based on an allowance amount and is not a not-to-exceed amount.

A new allowance amount for Task 1.5 is established as part of this Amendment No. 2.

### **Task 2. Preliminary Design Services**

Task 2 shall be modified to include the Phase II Environmental Site Assessment work to be completed by Blackburn, as more fully defined in the Blackburn scope of work included as Attachment 2 to this Amendment No. 2. The Phase I ESA work has found a number of sites that may contain potentially hazardous materials. The Phase II work is intended to test those sites to determine the extent of hazardous materials, if any. Recommendations for mitigation for hazardous materials, if any, will be developed after completion of the Phase II assessment, and included in a future amendment, if required. Blackburn Consulting, Consultant's geotechnical consultant for the Project, will conduct the Phase II ESA.

Predesign will also now include consideration of Horizontal Directional Drilling (HDD) for the creek crossings for both water and sewer pipelines (note: a portion of the level of effort for HDD work is included in Amendment No. 3, which is related to City of Wheatland changes to the overall scope of work). An additional level of complexity is required for the design of this methodology, including inadvertent fluid return assessment among other design considerations associated with the use of HDPE pipe for these crossings. In addition to the creek crossing changes, Consultant is recommending that the Phase 3 Water Pipeline Crossing of SR 65 at Morrison Road be deleted from the project. Phase 3 work will not be constructed as part of the other South County Infrastructure elements, and obtaining Caltrans approval and permits for a delayed trenchless crossing will not be possible (since permits for such work expire in a relatively short time period); it is recommended that when Caltrans constructs the future Morrison Road overcrossing that space be provided in that work to allow for the installation of the Phase 3 water pipeline over SR 65, and OPUD should make a request for such crossing when appropriate.

Stormwater channel piping is now required near the proposed water well site as a result of changes to the water well site property suggested by the seller of that property. The stormwater piping is required to meet the requirements of the Division of Drinking Water. Approximately 200 feet of stormwater piping is required.

### **Task 3. Final Design**

HDD design for the water crossings described under Task 2 will be completed as part of the final design task as well.

Final design of the stormwater channel piping described above will be completed.

#### **Task 4. Surveying and Mapping**

Client has recently brought on Bender Rosenthal, Inc (BRI) to assist the District in obtaining temporary rights of entry for property and for obtaining both rights of way and/or property for pump stations or pipeline corridors. Client requests that Consultant consult and provide coordination activities with BRI for temporary rights of entry, right of way acquisition, and property acquisition activities as part of Consultant's existing Task 4 activities.

Final recommended pipeline alignments have increased the length of the sewer pipeline system at the SR 65 trenchless crossing. While overall risk and construction costs are reduced with the revised alignment, there is additional survey and right of way work required to accommodate the revised alignment. Costs associated with this revision are included as part of this Amendment No. 2.

#### **Task 5. Permitting Allowance**

No changes to Task 5 are included as part of this Amendment No. 2.

#### **Alternative Task A – Old Olivehurst SSO Improvements**

No changes to Alternative Task A are included as part of this Amendment No. 2.

#### **Alternative Task B – WWTP SSO Improvements**

As noted in the General section of this Amendment No. 2, the Secondary Effluent Equalization Basin plan needs modification because Client currently discharges stormwater from the wastewater treatment plant site to the existing Emergency Storage Basin (ESB). Consultant needs to consider stormwater detention needs as part of the new work scope. Predesign services include development of stormwater volumes that need to be stored followed by the preparation of an implementation plan. Once a draft plan is developed, Consultant will obtain Client approval for final design of the facilities. Stormwater is either sent to the WWTP headworks during rainfall events, or it must be stored. Sending stormwater to the plant headworks during major rainfall events will increase peak flowrate in the treatment plant, and that would not be acceptable. Therefore, a stormwater detention basin is required to be added to the plant to mitigate this concern. It is assumed that the previously planned Secondary Effluent Equalization Basin Cleansing Pump Station can be used to send stormwater back to the plant headworks after the rainfall event has ended, and no additional piping is required for this new project feature (other than very localized piping in the vicinity of the proposed stormwater detention basin and the proposed Secondary Effluent Equalization Basin Cleansing Pump Station). A portion of the new CEQA work described earlier in this Amendment No. 2 is appropriately assigned to the Task B.5 Permitting and CEQA Allowance for SSO related improvements. As noted earlier, the Planning Partners complete scope of work for these services is included as Attachment 1 to this Amendment No. 2. The allowance amount for this Task B.5 is increased by this amendment.

### **Schedule**

Amendment No. 1 extended the completion date for the design phase of the work to July 24, 2021. This Amendment No. 2 will extend the completion date for the CEQA documentation to October 5, 2021. Final design for the project will be extended to August 27, 2021.

### **Compensation**

The authorized contract amount for the original PSA and Amendment No. 1 is \$4,535,618, as noted in Table 1.

Per the original PSA, a number of tasks require separate billing that are related to funding sources and/or the fact that some tasks are allowances and are not the not-to-exceed amounts that other tasks may have. Separate funding (and invoicing) is required to distinguish South County Infrastructure work elements from the SSO related work elements. The only tasks with allowances that are modified by way of this amendment are Tasks 1.5 (CEQA Allowance for South County Infrastructure) and Task B.5 (Permitting and CEQA Allowance for SSO related work elements).

Additional compensation for Task 1.5 (CEQA Allowance) for this Amendment No. 2 shall increase the prior Task 1.5 Allowance of \$80,000 by an additional \$99,808 for an Amendment No. 2 total allowance of \$179,808.

Additional compensation for Task B.5 (CEQA SSO Permitting and Allowance) for this Amendment No. 2 shall increase the prior Task B.5 Allowance of \$20,000 by an additional \$31,494, for an Amendment No. 2 total allowance of \$51,494.

The total budgetary increase for Amendment No. 2 is \$357,989 for a new total contract amount of \$4,893,607.

The prior total for South County work (i.e., Tasks 1 through 5) through Amendment No. 1 was \$3,469,783. With Amendment No. 2, the new total for South County work is \$3,758,242.

The prior total for SSO related work (i.e., Tasks A and B) through Amendment 1 was \$1,065,835. With Amendment 2, the new total for SSO related work is \$1,135,365.

The new (and previously approved) contract amounts for the separate funding sources for services through the design phase of the Project is as follows:

TABLE 1. AMENDMENT #2 FEE ESTIMATE

| Tasks         | Task Descriptions  | Principal/Project/Program Manager - Steve DeCou | Sr. Project Manager - Kevin Kennedy | Quality Control Reviews | Design Manager - Kasra Sparvi | Principal Technologist (Finney) | Engineer Specialist (Structural) - Mark Randall | Project (Instrumentation & Controls) Engineer | Sr. Project Automation Lead - Dave Cave | Project Automation Lead - Myra Au | Sr. Specifications Processor - Cheryl Perrine | Cost Estimator - Kevin Butcher | Corrosion Engineer - Patterson Tuttle | Site Civil - Becky Chelonis | Technician 4 | Clerical  | Total JACOBS Hours | Labor JACOBS Subtotal | MHM - Subconsultant | Domenichelli & Associates | Blackburn - Subconsultant | Planning Partners | Subtotal Subconsultants (Labor & Expenses) | (10%) Markup on Subconsultants | ODC's and Travel Costs | Communication and Computer Charges \$6/hr | (%) Markup on \Other Costs | Subtotal ODC's & Subs | Total Costs, Amendment No. 2 | Total Costs, Original PSA and Amendment No. 1 | Updated Total Costs, Original PSA, Amendment No. 1, and Amendment No. 2 (costs for subtasks only shown for those items that are Allowances) |            |              |              |
|---------------|--|---|-------------------------------------|-------------------------|-------------------------------|---------------------------------|---|---|---|-----------------------------------|---|--------------------------------|---------------------------------------|-----------------------------|--------------|-----------|--------------------|-----------------------|---------------------|---------------------------|---------------------------|-------------------|--|--------------------------------|------------------------|---|----------------------------|-----------------------|------------------------------|---|---|------------|--------------|--------------|
| <b>Task 1</b> | <b>Project Management</b>  |   |                                     |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              |           |                    |                       |                     |                           |                           |                   |  |                                |                        |   |                            |                       |                              |   |   |            |              |              |
| 1.1           | Monthly Coordination Meetings  | 10  | 16                                  |                         | 8                             |                                 |   |   |   |                                   |   |                                |                                       |                             |              |           | 34                 | \$ 10,158             | \$ 4,735            | \$ 1,756                  |                           |                   |  | \$ 6,491                       | \$ 649                 | 1188                                      | \$ 204                     |                       | \$ 8,532                     | \$ 18,690                                     | \$ 88,839   |            |              |              |
| 1.2           | Monthly Progress Reports and Invoices  | 5   | 8                                   |                         | 2                             |                                 |   |   |   |                                   |   |                                |                                       |                             | 9            | 24        | \$ 5,513           | \$ 2,163              | \$ 2,773            |                           |                           |                   | \$ 4,936                                   | \$ 494                         |                        | \$ 141                                    |                            | \$ 5,571              | \$ 11,084                    | \$ 46,741                                     |   |            |              |              |
| 1.3           | Project Management   | 5   | 9                                   |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              | 14        | \$ 4,305           | \$ 2,422              | \$ 2,515            |                           |                           |                   | \$ 4,937                                   | \$ 494                         | 594                    | \$ 84                                     |                            | \$ 6,109              | \$ 10,414                    | \$ 134,279                                    |   |            |              |              |
| 1.4           | Add new work to existing Task 1.4 Stakeholder Allowance  |   |                                     |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              | 0         | \$ -               | \$ -                  |                     |                           |                           |                   | \$ -                                       | \$ -                           |                        |   |                            | \$ -                  | \$ -                         | \$ 60,000                                     | \$ 60,000   |            |              |              |
| 1.5           | Add new CEQA work to existing Task 1.5 CEQA Allowance  |   |                                     | 11                      |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              | 11        | \$ 3,383           | \$ -                  |                     |                           |                           |                   | \$ 87,601                                  | \$ 87,601                      | \$ 8,760               | \$ 64                                     |                            | \$ 96,425             | \$ 99,808                    | \$ 80,000                                     | \$ 179,808  |            |              |              |
|               | <b>Task 1 Subtotal</b>   | 20  | 33                                  | 11                      | 10                            | 0                               | 0   | 0   | 0                                       | 0                                 | 0   | 0                              | 0                                     | 0                           | 9            | 82        | \$ 23,359          | \$ 9,320              | \$ 7,044            | \$ -                      | \$ -                      | \$ 87,601         | \$ 103,965                                 | \$ 10,396                      | \$ 1,782               | \$ 494                                    | \$ -                       | \$ 116,637            | \$ 139,996                   | \$ 409,859                                    | \$ 549,855  |            |              |              |
| <b>Task 2</b> | <b>Preliminary Design Services</b>   |   |                                     |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              |           |                    |                       |                     |                           |                           |                   |  |                                |                        |   |                            |                       |                              |   |   |            |              |              |
|               | Phase II ESA   |   |                                     | 1                       |                               |                                 |   |   |   |                                   |   |                                |                                       |                             | 0            | 1         | \$ 325             |                       |                     | \$ 56,250                 |                           |                   | \$ 56,250                                  | \$ 5,625                       | 891                    | \$ 6                                      |                            | \$ 62,772             | \$ 63,098                    |   |   |            |              |              |
|               | Additional Geotechnical Borings  |   |                                     |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              | 0         | \$ -               |                       |                     |                           |                           |                   | \$ -                                       | \$ -                           |                        |   |                            | \$ -                  | \$ -                         |   |   |            |              |              |
|               | Change from Bore & Jack to HDD for trenchless crossings  |   |                                     |                         |                               | 3                               |   |   |   | 17                                |   |                                |                                       | 7                           |              | 27        | \$ 5,325           |                       |                     |                           |                           |                   | \$ -                                       | \$ -                           |                        | \$ 159                                    |                            | \$ 159                | \$ 5,484                     |   |   |            |              |              |
|               | Additional predesign work for Water Well Site storm drainage piping                              |   |                                     |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              | 0         | \$ -               |                       | \$ 632              |                           |                           |                   | \$ 632                                     | \$ 63                          |                        | \$ 695                                    |                            | \$ 695                | \$ 695                       |   |   |            |              |              |
|               | <b>Task 2 Subtotal</b>   | 0   | 0                                   | 1                       | 0                             | 3                               | 0   | 0   | 0                                       | 17                                | 0   | 0                              | 0                                     | 7                           | 0            | 28        | \$ 5,650           | \$ -                  | \$ 632              | \$ 56,250                 |                           |                   | \$ 56,882                                  | \$ 5,688                       | \$ 891                 | \$ 166                                    |                            | \$ 63,627             | \$ 69,276                    | \$ 815,093                                    | \$ 884,369  |            |              |              |
| <b>Task 3</b> | <b>Final Design</b>  |   |                                     |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              |           |                    |                       |                     |                           |                           |                   |  |                                |                        |   |                            |                       |                              |   |   |            |              |              |
|               | Change from Bore & Jack to HDD for trenchless crossings  |   |                                     |                         |                               | 10                              |   |   |   | 60                                |   |                                |                                       | 21                          |              | 91        | \$ 18,177          |                       |                     |                           |                           |                   | \$ -                                       | \$ -                           |                        | \$ 543                                    |                            | \$ 543                | \$ 18,720                    |   |   |            |              |              |
|               | Storm Drainage Pipe addition   |   |                                     | 2                       |                               |                                 |   |   |   |                                   |   |                                |                                       |                             | 2            | \$ 632    |                    | \$ 4,500              |                     |                           |                           |                   | \$ 4,500                                   | \$ 450                         |                        | \$ 12                                     | \$ 4,950                   | \$ 4,962              | \$ 5,594                     |   |   |            |              |              |
|               | <b>Task 3 Subtotal</b>   | 0   | 0                                   | 2                       | 0                             | 10                              | 0   | 0   | 0                                       | 60                                | 0   | 0                              | 0                                     | 21                          | 0            | 93        | \$ 18,809          | \$ -                  | \$ 4,500            | \$ -                      | \$ -                      | \$ -              | \$ 4,500                                   | \$ 450                         | \$ -                   | \$ 555                                    | \$ 4,950                   | \$ 5,505              | \$ 24,314                    | \$ 1,967,041                                  | \$ 1,991,355  |            |              |              |
| <b>Task 4</b> | <b>Survey and Mapping</b>  |   |                                     |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              |           |                    |                       |                     |                           |                           |                   |  |                                |                        |   |                            |                       |                              |   |   |            |              |              |
|               | Topo/Survey and Mapping for Add'l New Sewer Alignment  |   | 2                                   |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              | 2         | \$ 678             | \$ 24,142             |                     |                           |                           |                   | \$ 24,142                                  | \$ 2,414                       | 891                    | \$ 14                                     |                            | \$ 27,461             | \$ 28,140                    |   |   |            |              |              |
|               | Coordination with BRI for Right of Way and Property Acquisition                                  |   | 6                                   |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              | 6         | \$ 1,836           | \$ 22,600             |                     | \$ -                      |                           |                   | \$ 22,600                                  | \$ 2,260                       |                        | \$ 38                                     |                            | \$ 24,898             | \$ 26,734                    |   |   |            |              |              |
|               | <b>Task 4 Subtotal</b>   | 0   | 9                                   | 0                       | 0                             | 0                               | 0   | 0   | 0                                       | 0                                 | 0   | 0                              | 0                                     | 0                           | 0            | 9         | \$ 2,514           | \$ 46,742             | \$ -                | \$ -                      | \$ -                      | \$ -              | \$ 46,742                                  | \$ 4,674                       | \$ 891                 | \$ 52                                     | \$ -                       | \$ 52,359             | \$ 54,873                    | \$ 197,791                                    | \$ 252,664  |            |              |              |
| <b>Task 5</b> | <b>Permitting (Originally a \$80,000 Allowance)</b>  |   |                                     |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              |           |                    |                       |                     |                           |                           |                   |  |                                |                        |   |                            |                       |                              |   |   |            |              |              |
|               |  |   |                                     |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              |           |                    |                       |                     |                           |                           |                   |  |                                |                        |   |                            |                       |                              |   |   |            |              |              |
|               | <b>Task 5 Subtotal</b>   | 0   | 0                                   | 0                       | 0                             | 0                               | 0   | 0   | 0                                       | 0                                 | 0   | 0                              | 0                                     | 0                           | 0            | 0         |                    |                       | \$ -                | \$ -                      | \$ -                      | \$ -              | \$ -                                       | \$ -                           | \$ -                   | \$ -                                      | \$ -                       | \$ -                  | \$ -                         | \$ -  | \$ 80,000   | \$ 80,000  |              |              |
|               | <b>Subtotal for Tasks 1-5 for South County Design Only Engineering Services</b>                  |   |                                     |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              |           |                    |                       |                     |                           |                           |                   |  |                                |                        |   |                            |                       |                              |   |   | \$ 288,459 | \$ 3,469,783 | \$ 3,758,242 |
|               | <b>Alternative Task A - Old Olivehurst SSO Improvements</b>                                      |   |                                     |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              |           |                    |                       |                     |                           |                           |                   |  |                                |                        |   |                            |                       |                              |   |   |            |              |              |
|               | <b>Subtotal</b>  |   |                                     |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              |           |                    |                       |                     |                           |                           |                   |  |                                |                        |   |                            |                       |                              |   |   |            | \$ 315,109   | \$ 315,109   |
|               | <b>Alternative Task B - WWTP Improvements</b>  |   |                                     |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              |           |                    |                       |                     |                           |                           |                   |  |                                |                        |   |                            |                       |                              |   |   |            |              |              |
|               | Pre-design for stormwater detention basin  | 10  | 8                                   | 2                       | 6                             |                                 | 4   | 4   | 12                                      |                                   |   | 6                              | 5                                     | 6                           | 63           | \$ 14,720 |                    |                       |                     |                           |                           |                   | \$ -                                       |                                | 297                    | \$ 379                                    |                            | \$ 676                | \$ 15,396                    |   |   |            |              |              |
|               | Final design work for stormwater detention basin   | 6   | 7                                   | 3                       | 6                             |                                 | 8   | 8   | 24                                      |                                   | 4   | 12                             | 4                                     | 12                          | 13           | 107       | \$ 21,701          |                       |                     |                           |                           |                   |  | \$ -                           | \$ -                   | 297                                       | \$ 642                     |                       | \$ 939                       | \$ 22,640                                     |   |            |              |              |
| B.5           | Additional SSO Permitting (and CEQA) Allowance   |   |                                     | 4                       |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              | 4         | \$ 1,355           |                       |                     |                           |                           | \$ 27,376         | \$ 27,376                                  | \$ 2,738                       |                        | \$ 26                                     |                            | \$ 30,139             | \$ 31,494                    | \$ 20,000                                     | \$ 51,494   |            |              |              |
|               | <b>Subtotal</b>  | 16  | 15                                  | 9                       | 12                            | 0                               | 12  | 12  | 36                                      | 0                                 | 4   | 18                             | 4                                     | 17                          | 0            | 19        | \$ 37,775          | \$ -                  | \$ -                | \$ -                      | \$ -                      | \$ 27,376         | \$ 27,376                                  | \$ 2,738                       | \$ 594                 | \$ 1,047                                  | \$ -                       | \$ 31,755             | \$ 69,530                    | \$ 750,726                                    | \$ 820,256  |            |              |              |
|               | <b>Subtotal for Alternative Tasks A &amp; B for SSO-Related Design Only Engineering Services</b> | 16  | 15                                  | 9                       | 12                            | 0                               | 12  | 12  | 36                                      | 0                                 | 4   | 18                             | 4                                     | 17                          | 0            | 19        | \$ 37,775          | \$ -                  | \$ -                | \$ -                      | \$ -                      | \$ 27,376         | \$ 27,376                                  | \$ 2,738                       | \$ 594                 | \$ 1,047                                  | \$ -                       | \$ 31,755             | \$ 69,530                    | \$ 1,065,835                                  | \$ 1,135,365  |            |              |              |
|               | <b>GRAND TOTAL (WATER &amp; SEWER DESIGN PHASE)</b>  |   |                                     |                         |                               |                                 |   |   |   |                                   |   |                                |                                       |                             |              |           | \$ 88,107          | \$ 56,062             | \$ 12,176           | \$ 56,250                 | \$ 114,977                |                   |  | \$ 4,158                       | \$ 2,313               |   | \$ 357,989                 | \$ 4,535,618          | \$ 4,893,607                 |   |   |            |              |              |

This Amendment No. 2 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.

**Client:** Olivehurst Public Utility District

**Consultant:** Jacobs Engineering

By: \_\_\_\_\_  
John Tillotson

By: \_\_\_\_\_  
Rob Tull

Title: General Manager

Title: Vice President

Date: \_\_\_\_\_

Date: \_\_\_\_\_



## **ATTACHMENT 1**



Amended Proposal  
to Prepare an Initial Study and Technical  
Analyses Pursuant Only to CEQA,  
for the OPUD South County  
Water/Wastewater Facilities and SSO Projects

Located in Unincorporated Yuba County,  
California

Prepared by:

Environmental Planning Partners, Inc.  
December 24, 2020

Version 6

This page intentionally  
left blank.

# Work Plan

## Project Understanding

Environmental Planning Partners, Inc. (Planning Partners) presents the following revised scope of work to complete environmental analyses pursuant to the California Environmental Quality Act (CEQA) for the Olivehurst Public Utilities District (OPUD) South County Water/Wastewater Facilities and SSO projects. The water portion of the South County project would consist of the construction and operation of a water well, water treatment plant, and backbone distribution pipeline in an area of Yuba County designated for future urban development by the County's General Plan. Wastewater facilities would consist of collection improvements both within the community of Olivehurst and in the new South County urban area to be provided with water service, including the abandonment of existing facilities that would become unnecessary, improvements to the existing wastewater treatment plant, and new pump stations and force mains. Project facilities are divided into two components: 1) Those necessary to remedy surcharge within OPUD's existing wastewater collection systems (SSO facilities); and 2) Water and wastewater facilities necessary to serve the urban demands of a 3,348-acre area south of the existing community of Olivehurst (South County facilities)<sup>1</sup>. Coincident with the OPUD wastewater pipeline in Rancho Road, the City of Wheatland will construct a sanitary sewer forcemain to accommodate flows from the City to the OPUD wastewater treatment plant<sup>2</sup>. Specific facilities to be constructed or abandoned are set forth in Table 1.

As currently proposed, all construction would occur within the paved sections of existing roadways or within the existing rights-of-way. The only exceptions to this would be the construction of the new well, water treatment plant, and pipeline connection to the backbone grid for water projects, and the construction of a wastewater pipeline north of the existing casino, pump/lift stations for wastewater, and bore pits. Construction of both water and wastewater pipelines would take place within Morrison Road, an existing unpaved roadway. Construction of the backbone water pipelines and sewer mains would pass over up to 10 intermittent streams and/or drainages, and would require six crossings of State Routes 70 and 65. In these instances, OPUD proposes trenchless construction techniques under each of the streams and the freeway. Several crossings of drainage canals would be dug during periods when the canals were dewatered. Additional improvements would be completed within the existing area of the wastewater treatment plant.

---

<sup>1</sup> This area is coincident with the area annexed to the OPUD as approved by the Yuba Local Agency Formation Commission on January 8, 2020.

<sup>2</sup> We assume that the City of Wheatland will be responsible for assessing the indirect environmental effects of constructing this force main in Rancho Road. The direct effects of constructing the Wheatland pipeline would be the same as those assessed for the OPUD gravity main at this location.

| <b>Table 1: Proposed OPUD SSO/South County Water and Wastewater Improvements</b>   | <b>Length/Dimension</b>                 |
|--|---|
| <b>SSO Components</b>  |   |
| <b><i>Pipelines</i></b>  |   |
| New 24-inch pipeline in Olivehurst Avenue  | 2,750 feet                              |
| Abandon existing McGowan Pkwy 8-inch force main from PS-2 to Donald Dr.  | 3,850 feet                              |
| Oversizing of new South County pipeline from new South County pump station at Dan Ave. to WWTP                               | <i>Length included in So Co project</i> |
| <b><i>Pump Stations</i></b>  |   |
| Pump Station No. 1 (existing) - upgrade to increase capacity to 2.75 mgd   | 1/3 acre                                |
| Pump Station No. 2 (existing) – Divert 1.4 mgd to new South County pump station at Dan Ave., abandon PS-2                    | 80 feet, 1/3 acre                       |
| New Pump Station at Mary Avenue/McGowan Pkwy to accommodate overflow from existing 8-inch collector sewer in McGowan Parkway | 1/3 acre                                |
| <b><i>WWTP Improvements</i></b>  |   |
| Modification of existing influent pump station to add 1 to 2 new pumps   | Within existing disturbed area          |
| New secondary clarifier  | 0.4 acres                               |
| New stormwater Equalization Basin  | See below                               |
| New 9.4 mg Equalization Basin  | 5.9 acres                               |
| New 16-inch force main internal to WWTP site from influent pump station/new clarifier/new equalization basin                 | 1,930 feet                              |
| <b>South County Components</b>   |   |
| <b><i>Potable Water Facilities</i></b>   |   |
| Backbone water distribution pipelines  | 10 miles                                |
| Water well/Storage reservoir (200x200 feet)  | ~1 acre                                 |
| <b><i>Wastewater Facilities</i></b>  |   |
| Backbone wastewater collection pipelines (not coincident with water pipelines)   | 3.9 miles                               |
| Wheatland force main (coincident with backbone OPUD pipeline on Rancho Rd from Morrison Rd to Ostrom Rd)                     | -----                                   |
| Pump Stations – Assume 10 locations at 1/3 acre, one at 1 acre   | 4.3 acres                               |
| <b><i>Common Facilities</i></b>  |   |
| Laydown Area (one at an unknown location)  | 2 acres                                 |
| Spoils storage/disposal (unknown locations)  | 3 acres                                 |
| Bore/Receiving Pits (36 locations @ 20x30 feet)  | ~0.5 acres                              |
| Crossings of State Routes 65/70 (bore pits included in above)  | 6                                       |
| Stream or Drainage Crossings   | 10                                      |

November 20, 2020

## Scope of Work

The environmental compliance strategy identified for the South County Water/Wastewater Facilities and SSO project will focus on the following:

- Preparation of a Biological Reconnaissance Report assessing the potential impact of the proposed project components on protected species and habitats in the project area.
- Preparation of a Cultural Resources Evaluation to assess the potential impact of the project components on cultural and tribal resources in the project area.
- Completion of an Initial Study pursuant to the California Environmental Quality Act (CEQA) to determine if a Mitigated Negative Declaration would be the appropriate CEQA document with which to assess environmental impacts associated with the project, or whether an Environmental Impact Report would be required.
- Preparation and processing of a Mitigated Negative Declaration if warranted.

We have outlined below the essential components to an expedited environmental review of the proposed South County Water/Wastewater Facilities project.

### Phase One: Project Initiation

Phase 1, as proposed and contracted in August 2020, consists of three tasks: 1) Project Initiation/Review of Existing Information; 2) Notice of Exemption for Geotechnical Borings; and 3) Technical Studies (Biological and Cultural Resources for CEQA). A substantial amount of out-of-scope work was completed during Phase 1, including preparation of a CEQA/NEPA compliance discussion paper, biological surveys of geotechnical boring locations, and attendance at weekly project update meetings. Costs for these efforts will be reflected in Phase 2.

### Phase Two: Project Development

#### Task 4: Biological Surveys of Geotechnical Boring Locations

This task supports geotechnical evaluations necessary to provide information during project engineering design. Planning Partners team members have completed background research and two field surveys. The field review was completed to clear the sites for biological constraints (jurisdictional waters/wetlands, special-status species, or other sensitive biological resources) or provide suggestions for alternate positioning of geotechnical borings that may impact sensitive biological resources.

Clearance was provided in matrix form that identified boring locations, potential biological resource constraints, and measures that could be employed to avoid adverse effects on biological resources. The budget for this task would provide for an additional two surveys to evaluate remaining boring locations. Clearing of proposed boring locations would be provided in the same format used for the two initial clearances.

#### Task 5: CEQA/NEPA Strategy Discussion Paper

As requested by Jacobs, Planning Partners researched and prepared a discussion paper regarding CEQA and NEPA compliance for various project components using a variety of local, state, and federal funding sources. OPUD staff used this discussion paper to consider and conceptually approve the work program reflected in this proposal. As approved by OPUD, the work program will consist of a combined CEQA document for both SSO and South County project components,

federalization of biological and cultural resource studies and reports, preparation of a State Water Resources Control Board Environmental Package for SSO facilities, and preparation of an Environmental Narrative for South County project components.

## **Task 6: Project Development**

As requested by Jacobs, Planning Partners prepared for and attended multiple engineering project development meetings, and reviewed and assessed evolving project designs for potential environmental effects during project development, including identifying project modifications to avoid or reduce environmental effects. Additionally, in response to the identification by OPUD and the YWA of two separate federal funding agencies with differing NEPA requirements, Planning Partners coordinated with the Yuba-Sutter Economic Development Corporation to identify and define appropriate NEPA documentation for the SSO and South County project components.

## **Phase Three: Combined CEQA Compliance for SSO and South County Components**

### **Task 7: Revise and Complete Project Description**

Based on a draft project description provided by Jacobs (email dated 11/5/20), and a partial plan set provided by MHM (downloaded 10/20/20), Planning Partners will revise the CEQA working project description for review by Jacobs and OPUD<sup>3</sup>. The goal of this task is to describe the project components, and their construction and operation, in a sufficient level of detail to permit the evaluation of environmental impacts. Upon acceptance of the draft Project Description, Planning Partners will initiate completion of Tasks 8 – 14.

### **Task 8: Prepare Administrative Draft Initial Study**

#### **Task 8a: Initial Study**

Planning Partners will prepare an Initial Study to meet the requirements of Section 15063(d) of the State CEQA Guidelines. The Initial Study will consist of:

- A description of the project, its components and locations, and construction methods and equipment, and operations;
- An identification of the environmental setting;
- An identification of the environmental effects of the project (using State CEQA Guidelines format). All checklist answers would be explained. The explanation would be more or less detailed depending upon the importance of the environmental topic to the proposed project;
- Identification and discussion of mitigation measures necessary to reduce identified significant effects to a less-than-significant level;
- A consistency evaluation of the project with respect to the Yuba County General Plan, zoning ordinance, and other pertinent County regulations; and,
- The names of the preparers of the Initial Study.

The Initial Study will evaluate all environmental topics contained in the State CEQA Guidelines checklist (current as of November 2020) at a level of detail appropriate to the topic. Additional technical analysis will be conducted as part of the IS as set forth in Tasks 3 through 8. Should it be determined necessary, additional standalone technical studies could be completed as necessary for an

---

<sup>3</sup> The most current project description information would be used if available at the time of authorization of this task.

additional fee. All conclusions of “no significant impact” will be explained. Additionally, the Initial Study will explain what specific design and operational features of the project respond to the regulatory requirements of other agencies, and how such features avoid or minimize potential environmental effects. Additional requirements placed on the project by operation of law and agency regulations will be discussed.

All topics will be evaluated for consistency with Yuba County Zoning Code and General Plan standards. Required permits for the project will be described in the Initial Study<sup>4</sup>. The Initial Study will be based on the format of the documents prepared by Planning Partners on other recent projects for OPUD. We will submit copies of the draft Initial Study as required to OPUD for review.

Based on our understanding from OPUD staff that no tribes have requested notification pursuant to AB 52 regarding traditional cultural resources, we have not provided for any services related to District compliance with this State requirement.

Because the indirect impacts of growth inducement are so important to the analysis of projects to increase infrastructure capacities and service areas, Planning Partners will prepare an assessment of the indirect effects of constructing and operating the SSO and South County project components<sup>5</sup>. Although the analysis of indirect effects will be completed for both sets of OPUD project components, the focus will be on induced growth within the South County project area. Planning Partners assumes that the basis of this analysis will be the land uses and policies of the Yuba County General Plan and the environmental analyses and conclusions set forth in the 2011 General Plan EIR that together will be used to define future land uses and their density/intensity within the OPUD South County service area. We will coordinate with Yuba County planning staff to confirm our land use assumptions and calculations. To the extent that traffic analyses conducted under CEQA have been modified since completion of the 2011 General Plan EIR, we propose to complete a qualitative analysis of the potential reduction in commute trip distances. No quantitative VMT analysis will be completed for indirect impacts. Should such an analysis become necessary, we could complete the required assessment under a modified scope of work and fee.

The land use density and intensity metrics used in the General Plan EIR, and their relation to water and wastewater capacity calculations prepared by Jacobs will be critical in determining whether the proposed South County project is growth inducing or growth accommodating<sup>6</sup>. We assume that Jacobs will provide the land uses assumptions underlying the capacity calculations for South County water and wastewater facilities. Should the conclusion of growth accommodation be confirmed, we will tier the Initial Study to the General Plan EIR. The conclusions of the indirect effects analysis will be reported in the Initial Study.

---

<sup>4</sup> Based on information provided by Jacobs.

<sup>5</sup> The proposed indirect effects analysis will be limited to the SSO and South County project components. The potential indirect effects of City of Wheatland related facilities, including the Rancho Road force main, are assumed to be the responsibility of the City of Wheatland.

<sup>6</sup> For induced growth, we assume that South County water/wastewater capacities have been calculated consistent with existing Yuba County General Plan land use designations for the South County project area, and at the midpoint of allowable density and intensity metrics. We further assume that this will be documented in the Preliminary Engineering Report, and that the PER will be completed prior to completion of the administrative draft Initial Study.



### Task 8b: Environmental Determination

Planning Partners will assist the OPUD in making an environmental determination for the project supported by the information provided in the Initial Study. If supported by the findings of the Initial Study, Planning Partners would prepare a Negative Declaration pursuant to §§15070-15072 of the State CEQA Guidelines. If warranted, Planning Partners would then complete Tasks 9 - 11 of the scope of work.

Should the conclusions of the Initial Study support the preparation of an Environmental Impact Report to comply with CEQA requirements for the review of the project, Planning Partners would propose a revised scope of work to complete the identified type of document.

|                |   |
|----------------|---|
| Primary Staff: | Project Team  |
| Meetings:      | Teleconference to discuss OPUD comments on administrative draft Initial Study and Negative Declaration<br>Teleconference to discuss the proposed Environmental Determination          |
| Deliverables:  | One electronic copy - Administrative Draft IS (OPUD)<br>One electronic copy - Administrative Draft IS/ND, if appropriate (OPUD)<br>One electronic copy - Scope of Work (if necessary) |
| OPUD Input:    | Review of Initial Study<br>Concurrence regarding the Environmental Determination  |

### Task 9: Prepare Public Review Draft Initial Study/Negative Declaration

Planning Partners would revise the IS/ND in response to OPUD comments, submit a screencheck copy for final review, and produce copies for publication as required by OPUD for distribution. OPUD would also be provided with a PDF copy of the document on CD. We will assist OPUD in noticing the IS/ND, and submitting the document to the State Clearinghouse consistent with CEQA and Governor's Executive Order requirements.

|                |  |
|----------------|--|
| Primary Staff: | Project Team   |
| Meetings:      | Teleconference to discuss OPUD comments on the Screencheck Initial Study and Negative Declaration  |
| Deliverables:  | One electronic copy - Screencheck Draft IS/ND (OPUD)<br>Electronic copy – Notice of Completion delivered to State Clearinghouse compliant with Executive Order N-80-20<br>Electronic copy - IS/ND delivered to State Clearinghouse compliant with Executive Order N-80-20<br>10 bound copies - IS/ND to OPUD<br>10 copies CDs delivered to OPUD<br>One electronic copy - IS/ND (PDF)<br>One unbound, camera-ready hardcopy - IS/ND<br>Notice of Availability |
| OPUD Input:    | Review of Draft Documents  |

## **Task 10: Mitigation Monitoring and Reporting Program**

After completion of the public review process, a Mitigation Monitoring and Reporting Program for all mitigation measures would be prepared.

|                |   |
|----------------|---|
| Primary Staff: | Project Team  |
| Meetings:      | None  |
| Deliverables:  | One copy - Mitigation Monitoring and Reporting Program<br>One electronic copy - Mitigation Monitoring and Reporting Program |
| OPUD Input:    | Review of Mitigation Monitoring and Reporting Program   |

## **Task 11: Respond to Public Comments on the Negative Declaration**

After completion of the public review process, Planning Partners will prepare responses to public and agency comments and provide copies as required to OPUD for review. We would revise the responses to comments in response to OPUD editorial comments. We would then submit paper copies as required, and an electronic copy of the final responses to OPUD for distribution. Should responses to the comments result in changes to the text of the Initial Study/Negative Declaration, we would revise the document appropriately. Since we can't know the substance of public or agency comments, or the number of comments received, the budget for this task is based on assumptions developed for our previous work for similar projects with OPUD. If a large amount of comments is received or comments that would require additional technical analyses, we reserve the right to submit a separate scope of work and cost estimate for completing additional work as necessary. Assumptions regarding the number and complexity of comments are set forth below under the heading 'Assumptions.'

|                |  |
|----------------|--|
| Primary Staff: | Project Team   |
| Meetings:      | Teleconference to discuss draft responses to comments  |
| Deliverables:  | One electronic copy - Draft Responses to comments<br>One unbound hardcopy - Final Responses to comments<br>One electronic copy – Final responses to comments<br>One electronic copy - IS/ND modified in response to comments (if necessary)<br>One unbound hardcopy - IS/ND modified response to comments (if necessary) |
| OPUD Input:    | Review of draft responses to comments and revised IS/ND  |

## **Phase Four: Team/Client/Outside Agency Coordination and Public Hearings**

### **Task 12: Consult with Stakeholders**

This task provides for consultation and coordination between Planning Partners and the engineering team and the City of Wheatland and its consultants as necessary for the completion of Tasks 4 -11 up to the limits of the budget.

|                  |   |
|------------------|---|
| Principal Staff: | Klousner/Wilson                               |
| Meetings:        | As necessary to the limits of the budget      |
| Deliverable:     | Meeting notes and communications as necessary |
| OPUD Input:      | As necessary                                  |

### **Task 13: Meetings and Public Hearings related to CEQA**

Planning Partners would attend periodic meetings with OPUD to discuss the project, provide progress updates, review submitted work products, and discuss environmental document preparation strategy up to the limit of the budget. The cost estimate includes an early coordination meeting with OPUD Staff and a meeting to discuss comments on the Initial Study. As much as possible, meetings would be held via teleconference.

Planning Partners would also attend a public hearing on the project before the OPUD Board of Directors. At this meeting, we would be available to answer questions regarding the IS/ND and the environmental process.

|                  |  |
|------------------|--|
| Principal Staff: | Wilson/Klousner  |
| Meetings:        | One Initiation Meeting w/ OPUD staff<br>One Meeting with OPUD Staff to discuss comments on the IS<br>One Public Hearing, and periodic meetings up to limit of budget |
| Deliverables:    | None   |
| OPUD Input:      | Attend meetings as necessary<br>Notice and conduct public hearing  |

### **Task 14: Project Management**

Planning Partners staff would provide internal project management, administrative support, billing, and progress reporting for the project.

|                  |  |
|------------------|--|
| Principal Staff: | Klousner/Wilson/Administrative staff         |
| Meetings:        | None   |
| Deliverables:    | Progress reporting; Billing                  |
| OPUD Input:      | Review and processing of submitted documents |

## Information to Be Provided by Others

Several environmental topics to be reported in the CEQA documents are being prepared by others, or are within the existing technical capabilities of others on the Jacobs team. We assume that these other parties will complete their current studies, or will provide sufficient information to permit Planning Partners to incorporate their work into the environmental analyses, and that needed information will be provided timely to permit the scheduled completion of the various environmental studies and documents. Information in this category, and the assumed responsible party are set forth in Table 2.

| <b>Table 2: Information to Be Provided by Others</b>                            |  |                                      |
|---|--|--------------------------------------|
| <b>Environmental Topic</b>  | <b>Information Source</b>  | <b>Most Likely Responsible Party</b> |
| Project Description   | Engineered Plans / Preliminary Engineering Report / Construction Information / Land Use Assumptions<br>Underlying Water and Wastewater Capacity Calculations | Jacobs                               |
| Geology/Soils   | Geotechnical Report  | Blackburn                            |
| Hazards and Hazardous Materials   | Phases I/II ESA  | Blackburn                            |
| Hydrology/Water Quality – Water Availability to Serve Induced Urban Development | Water Supply Assessment  | Jacobs, YWA, or other applicable GSA |
| Hydrology/Water Quality - Facility Encroachment into Floodplains                | Engineered Plans/PER   | Jacobs                               |
| Project Alternatives  | Engineered Plans/PER   | Jacobs                               |
| Permits Needed  |  | Jacobs                               |

# Work Schedule

The proposed work schedule set forth in Attachment A permits a reasonable timeline for the environmental review of the project, assuming that the work requires the preparation of Initial Study/Mitigated Negative Declaration. However, the proposed schedule may be subject to modification due to events outside the control of Planning Partners.

As proposed, the schedule assumes that a Notice to Proceed would be issued no later than January 15, 2021. With this start date, under the proposed schedule, the CEQA process is forecast to be completed by early October 2021. Should the start date be delayed, the scheduled task durations would be unchanged, and the completion dates would be pushed back on a day-for-day basis.

# Cost Estimate

The cost information presented in Attachment B reflects Planning Partners' estimate of the work necessary to complete the South County Water/Wastewater Facilities Initial Study documentation based on our proposed scope of work and our knowledge of similar projects. Planning Partners proposes to complete the work scope for a not-to-exceed price as shown in the table below without prior notice and agreement.

The cost quoted includes all direct costs, such as telephone, travel, and reproduction. Requested additional incidental tasks and expenses not included in the fee proposal would be reimbursable on a time-and-materials basis at our standard billing rates, included in the billing rate schedule for 2021 set forth in Upon execution of a contract or contract amendment under our existing contract, Planning Partners would invoice monthly based upon the work completed in the prior month. Payment is due in full within 30 days of the invoice date.

We have included a ten (10) percent contingency within the cost estimate for unforeseen additional work that may be required.

The costs for completing all Tasks are calculated using 2021 charge rates that reflect a three percent increase over 2020 rates.

# Assumptions

In addition to the assumptions listed in the preceding scope of work, the scope, schedule, and cost provisions of this proposal are based upon several assumptions that are summarized below to further define the proposed scope of work. We recognize that these assumptions may be subject to change during the project. While such changes would not necessarily result in modification of the scope, schedule, or cost, Planning Partners must reserve the right to propose such modifications in the event of such changes.

- The project to be assessed in this scope of work is that described on page one and within Table 1 of this proposal.
- There will be no alteration to the project description during the course of work once accepted by Jacobs and OPUD. Future modification of the project description may require renegotiation of the project budget to account for additional analysis.
- OPUD is the lead agency for CEQA.
- The proposed project will not encroach into the Caltrans right-of-way with the exception of boring, micro-tunneling, or similar non-surface disturbing processes for passing proposed pipelines from one side of a Caltrans facility to the other. No Caltrans-specific environmental or other studies or documentation will be necessary.
- Facilities associated with the WWTP upgrade will be constructed within the existing WWTP site, and will not result in additional plant capacity, or require amendment of the existing facility ROWD.
- All environmental studies and documentation related to the City of Wheatland's wastewater force main or the City's connection to the OPUD wastewater collection, treatment, and disposal system will be completed by the City of Wheatland or its contractors.
- Issues to be addressed in the Initial Study or technical studies would be limited to those identified in this proposal. Issues that emerge after contract commencement are not now included in the proposed scope of work.
- The scope of work shall be considered entire for project review. Tasks not explicitly included in the scope of work are hereby excluded.
- Planning Partners has offered to complete its work in two phases. We assume that work authorized under the second phase will be authorized prior to January 15, 2021, and that work completed under the second phase will be billed under 2021 charge rates.
- The Planning Partners team will have permission to access the proposed well plant site, pipeline alignment, Morrison Road as extended between 40 Mile Road and SR 65, and surrounding areas for field surveys. Should access permission not be obtained in whole or in part prior to biological and cultural resource field surveys being completed, we have budgeted an additional day per topic for repeat surveys. If re-surveys need to be conducted more than one additional day, we reserve the right to amend our fee proposal to account for additional field activities.
- The project component sites and pipeline alignments will be clearly identified on plan sheets, be geolocated with coordinates provided to Planning Partners field crew, staked in the field, or otherwise clearly identified prior to initiation of field surveys.

- AutoCAD and/or ArcMap shapefiles of the projects will be provided electronically for use in preparing survey maps and in determining the extent of project impacts to mapped resources.
- For biological and cultural resources, the pipeline survey widths will be limited to existing roadway right-of-way, generally determined by existing fence lines. For project components outside of roadways, surveys will be conducted on the facility site and a buffer around the site ranging up to 50 feet depending upon the size of the facility site itself.
- Cultural resource research will be limited to completion of records searches at the North Central California Information Center at California State University, Sacramento and the Native American Heritage Commission, Native American contact if necessary, and a field reconnaissance survey. No data recovery planning or implementation will be conducted under this scope of work.
- Consistent with OPUD's current practice, no AB 52 compliance assistance is offered in this scope of work.
- No water supply analysis of OPUD's ability to serve future urban development within the South County Planning Area will be prepared. Water supply information will be supplied by Jacobs, the Yuba Water Agency, or the appropriate GSA. This information may include, but will not be limited to, that contained within the District's most recent Urban Water Master Plan and the Yuba Water Agency's Yuba Subbasins Water Management Plan.
- Should consultation and coordination determine that additional technical studies are required for the environmental analysis, a scope and budget would be provided under separate cover.
- Should the Plumbers and Pipefitters Union, or any representative thereof, contact OPUD regarding the need to construct the project with Union labor, OPUD will inform Planning Partners. Should OPUD fail to reach agreement with the Union, additional or more detailed environmental studies beyond those presented in this scope of work may be needed.
- The proposed scope of work assumes that work products would be provided as set forth in the proposal above. We have based our proposed cost on one round of review. If OPUD desires additional rounds of document review and revision, such additional rounds are outside of the current scope of work and would be completed for an additional fee, on a time and materials basis at our standard billing rates.
- District staff, the consulting engineering team, and other responsible agencies will cooperate with the consultant team promptly. Work would not be stopped or delayed by the County or others outside the study team. Should work be stopped or delayed by others, Planning Partners shall have the right to renegotiate costs of work required after January 1, 2022, the beginning of Planning Partners' subsequent fiscal year.
- Based on our understanding of the project and our project approach, Planning Partners has assumed up to fifteen individual comments on the IS/ND and 48 hours of technical staff effort to prepare the Responses to Comments. Should additional time be required based on the number of comments received, their complexity, the need for additional environmental analysis, and/or revision of the IS/ND, such work is outside of the current scope of work and would be completed for an additional fee on a time and materials basis at our standard billing rates.
- The combined number of meetings at which a representative or representatives of the consultant team would be present would not exceed those presented in the cost proposal and scope of work, or future negotiated task orders. Additional meetings would be charged on a time and materials basis.

- Preparation of graphic materials specifically for use at public presentations or hearings would not be required. OPUD or its engineering consultants would provide any site plans, elevations, and cross-sections. If requested by OPUD, Planning Partners could produce additional graphics on a time and materials basis.
- Planning Partners would provide copies of all work products cited above in the proposed scope of work in the quantities set forth following the description of each task (see task outline above). Additional reproduction and distribution shall be the responsibility of OPUD.
- OPUD would be responsible for recording all public comment on the IS/ND. If requested, Planning Partners can provide for this service on a time and materials basis.
- The proposed scope of work, schedule, and budget are valid for 90 days from the date of this proposal. Should a contract not be executed or funded prior to that time, Planning Partners reserves the right to modify the budget.



# Principal Contact

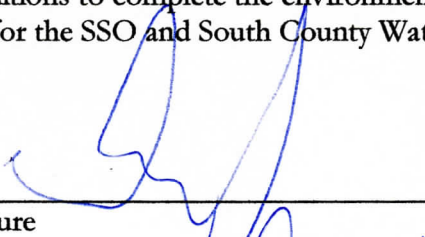
The authorized contract negotiator for Environmental Planning Partners, Inc. is:

Robert D. Klousner  
Environmental Planning Partners, Inc.  
2934 Gold Pan Court, Suite 3  
Rancho Cordova, California 95670-6136  
(916) 852-8830  
e-mail: bklousner@e-planningpartners.com

Mr. Klousner is authorized to negotiate on behalf of and obligate Environmental Planning Partners, Inc. in all matters related to this proposal.

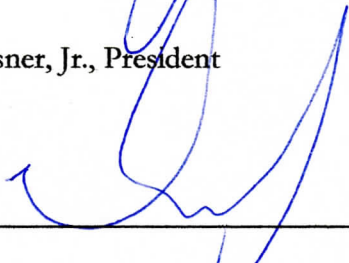
# Signature Clause

I hereby set forth that Environmental Planning Partners, Inc. offers the above services under the cited conditions to complete the environmental review pursuant to CEQA as set forth within this proposal for the SSO and South County Water/Wastewater Facilities projects.

  
\_\_\_\_\_  
Signature

Robert D. Klousner, Jr., President

\_\_\_\_\_  
December 24, 2020  
Date

  
\_\_\_\_\_  
Signature

Robert D. Klousner, Jr., Secretary

\_\_\_\_\_  
December 24, 2020  
Date

**Attachment A  
Work Schedule**

| Actual Start Date Begins Upon<br>Receipt of Notice to Proceed | Dec. | January |    | February |    | March |    | April |    | May |    | June |    | July |    | August |    | September |    | October |    |
|---|------|---------|----|----------|----|-------|----|-------|----|-----|----|------|----|------|----|--------|----|-----------|----|---------|----|
|   | 15   | 1       | 15 | 1        | 15 | 1     | 15 | 1     | 15 | 1   | 15 | 1    | 15 | 1    | 15 | 1      | 15 | 1         | 15 | 1       | 15 |
| <b>Phase One - Project Initiation</b>                         |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Task 1 Site Recon and Project Description                     |      | X       | +  |          | +  |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Task 2 Geotech Notice of Exemption                            |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Task 3 Technical Studies                                      |      |         |    |          |    |       | +  |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| <b>PHASE Two - Project Development</b>                        |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Task 4 Biological Surveys of Geotech Borings                  |      |         |    |          | +  |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Task 5 CEQA/NEPA Strategy Discussion Paper                    | C    |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Task 6 Project Development                                    | C    |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| <b>PHASE Three - CEQA Documentation</b>                       |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Task 7 Revise and Complete Project Description                |      |         | +  |          | +  |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Task 8a Administrative Draft Initial Study                    |      |         |    |          |    |       |    |       |    |     | +  |      |    |      |    |        |    |           |    |         |    |
| Task 8b Environmental Determination                           |      |         |    |          |    |       |    |       |    |     |    | +    |    |      |    |        |    |           |    |         |    |
| Task 9a Interim Draft IS/MND                                  |      |         |    |          |    |       |    |       |    |     |    |      | +  |      |    |        |    |           |    |         |    |
| Task 9b Public Review IS/MND                                  |      |         |    |          |    |       |    |       |    |     |    |      |    | +    |    |        |    |           |    |         |    |
| <i>Public/ Agency Review Period</i>                           |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Task 10 MMRP  |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Revise and Publish MMRP                                       |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Task 11 Respond to comments                                   |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Revise responses to comments                                  |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         | +  |
| <b>PHASE FOUR – Team/Client/Outside Agency Coordination</b>   |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Task 12 Consult with Stakeholders                             |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Task 13 Meetings  |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Task 14 Project Management                                    |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Key:  |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Planning Partners Task  |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Planning Partners Deliverable                                 | +    |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| OPUD Review of Deliverable                                    |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Public & Agency Review  |      |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Notice to Proceed   | X    |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |
| Task Completed  | C    |         |    |          |    |       |    |       |    |     |    |      |    |      |    |        |    |           |    |         |    |

**Attachment B**  
**Cost Estimate for Amendment 2**

| Cost Summary by Planning Partners Phase and Task                     |                 |                 | Cost Summary by Jacobs Contract Task Number |                |                 |
|--|-----------------|-----------------|---|----------------|-----------------|
| Phase and Task   | Cost            | Status          | Task 1.5<br>SoCo                            | Task B5<br>SSO | Task B5<br>WWTP |
| <b>Phase One - Contracted</b>  |                 |                 |   |                |                 |
| Task 1 Site Reconnaissance and Project Desc.                         | \$7,380         | Ongoing         |   |                |                 |
| Task 2 Technical Studies   |                 |                 |   |                |                 |
| <i>Biological Resources - Padre</i>                                  | \$19,120        | To Be Initiated |   |                |                 |
| <i>Cultural Resources - Napton/ Greathouse</i>                       | \$11,730        | Ongoing         |   |                |                 |
| <i>NCIC Records Search</i>   | \$950           | Complete        |   |                |                 |
| Task 3 Notice of Exemption   | \$3,000         | To Be Initiated |   |                |                 |
| <i>Subtotal Phase One</i>  | <i>\$42,180</i> |                 | \$37,980                                    | \$2,100        | \$2,100         |
| <i>Phases Two through Four, below, are proposed for Amendment 2.</i> |                 |                 |   |                |                 |
| <b>Phase Two</b>   |                 |                 |   |                |                 |
| Task 4 Biological Studies of Geotech Boring                          | \$6,620         | Ongoing         |   |                |                 |
| Task 5 CEQA/NEPA Strategies  | \$2,960         | Complete        |   |                |                 |
| Task 6 Project Development   | \$4,460         | Complete        |   |                |                 |
| <i>Subtotal Phase Two</i>  | <i>\$14,040</i> |                 | \$10,790                                    | \$1,625        | \$1,625         |
| <b>Phase Three</b>   |                 |                 |   |                |                 |
| Task 7 Revise Project Description                                    | \$8,464         | To Be Initiated |   |                |                 |
| Task 8a Admin Draft IS   | \$35,144        | To Be Initiated |   |                |                 |
| Task 8b Environmental Determination                                  | \$382           | To Be Initiated |   |                |                 |
| Task 9 Public Review IS/MND  | \$4,292         | To Be Initiated |   |                |                 |
| Task 10 MMRP   | \$1,434         | To Be Initiated |   |                |                 |
| Task 11 Respond to Comments  | \$7,388         | To Be Initiated |   |                |                 |
| <i>Subtotal Phase Three</i>  | <i>\$57,104</i> |                 | \$45,684                                    | \$5,710        | \$5,710         |
| <b>Phase Four</b>  |                 |                 |   |                |                 |
| Task 12 Stakeholder Coordination                                     | \$6,112         | To Be Initiated |   |                |                 |
| Task 13 Meetings/Public Hearings                                     | \$4,584         | To Be Initiated |   |                |                 |
| Task 14 Project Management   | \$4,248         | To Be Initiated |   |                |                 |
| <i>Subtotal Phase Five</i>   | <i>\$14,944</i> |                 | \$11,955                                    | \$1,494        | \$1,494         |
| <b>Total for Services Offered Under Amendment 2</b>                  | <b>\$86,088</b> |                 | <b>\$68,429</b>                             | <b>\$8,829</b> | <b>\$8,829</b>  |
| <i>Contingency</i>   | <i>\$8,609</i>  |                 | \$6,887                                     | \$861          | \$861           |
| <b>GRAND TOTAL</b>   |                 |                 |   |                |                 |
| <i>(Phase 1 through Phase 5 plus Contingency)</i>                    | \$136,877       |                 | \$109,501                                   | \$13,688       | \$13,688        |
| <i>City of Wheatland Responsibility (20% of SoCo)</i>                | \$21,900        |                 | \$21,900                                    |                |                 |
| <b>NET TOTAL</b>   |                 |                 |   |                |                 |
| <i>(Phase 1 through Phase 5 plus Contingency minus Wheatland)</i>    | \$114,977       |                 | \$87,601                                    | \$13,688       | \$13,688        |

## Attachment C Billing Rate Schedule

*2021 Billing Rate Schedule (represents an increase of three percent over 2020 rates)*

### Hourly rates for Planning Partners 'staff:

Principal \$191.00  
Principal Planner/Scientist \$162.00  
Professional Planner/Scientist \$134.00  
Senior Planner/Scientist \$118.00  
Associate Planner/Scientist \$108.00  
Assistant Planner/Scientist \$98.00  
Planning/Scientist Technician \$93.00  
Cartographer \$93.00  
Support \$67.00

### Hourly rates for associated staff:

Senior Air Quality Engineer \$185.00  
Acoustical Engineer \$175.00  
Registered Geologist \$165.00  
Hydrogeologist \$165.00

#### Direct Costs

Report Production, Photocopying \$0.10 / page  
Automobile Mileage \$0.545 / mile  
Telephone/Fax Cost + 15 percent  
Per Diem \$200 / day  
Other direct charges billed at cost plus 10 percent.

Field Technician \$88.00

For all staff, expert witness services are 150 percent of the hourly rate.

## **ATTACHMENT 2**



File No. 3842.X  
December 3, 2020

Mr. Steve DeCou  
Vice President and Principal Program Manager  
Jacobs Engineering Group  
2485 Natomas Park Drive, Suite 600  
Sacramento, CA 95833

**Subject: PROPOSAL FOR PHASE II ENVIRONMENTAL SITE ASSESSMENT  
OPUD Yuba County Sewer and Water Infrastructure Project  
Olivehurst, California**

Mr. DeCou,

Blackburn Consulting (Blackburn) presents this proposal for a Phase II Environmental Site Assessment (Phase II) for the OPUD Yuba County Sewer and Water Infrastructure Project (Project) in Olivehurst, California. The purpose of the Phase II is to address potential hazardous materials issues within the Project limits.

Blackburn prepared a Phase I Initial Site Assessment (ISA) report for the Project and identified the following Recognized Environmental Conditions (RECs) located at adjacent sites that warrant further assessment:

- A release of petroleum to soil and groundwater occurred at Tower Mart #60 located at 1976 McGowan Parkway. Potential contaminants of concern (COCs) include total petroleum hydrocarbons (TPH) as diesel (TPH-d), gasoline (TPH-g), and motor oil (TPH-mo), metals, and benzene/toluene/ethylbenzene/xylene (BTEX).
- A release of diesel to soil occurred at the PG&E North Valley Materials facility located at 3736 Rancho Road. Possible COCs include TPH-d, TPH-g, TPH-mo, metals, and BTEX.

Blackburn also identified the following general contamination issues within the Project limits:

- Yellow Traffic Striping. Yellow traffic stripes are known to contain heavy metals, such as lead and chromium, at concentrations exceeding the hazardous waste thresholds established by the *California Code of Regulations* and may produce toxic fumes when heated.
- Aerially deposited lead (ADL). ADL has been found to occur in soils adjacent to highways and high use roadways. The lead is presumably from the historical use of leaded gasoline and subsequent exhaust emissions. There is potential for encountering ADL during construction and grading activities within the proposed Project limits along its entirety. Some of these roadways have been present in various alignments since at or before 1910 and, therefore, have the potential to be impacted with ADL.

- Southern Pacific Railroad. The railroad is adjacent to the east shoulder of Rancho Road. Soils located adjacent to railroads may be impacted by on-going railroad operations. Potential COCs include TPHs, semi-volatile organic compounds (SVOCs), heavy metals, polycyclic aromatic hydrocarbons (PAHs), and organochlorine pesticides (OCPs).
- Historical Orchard. Topographic maps from 1947 and 1949 depict an orchard in the southeastern 1/2 -mile alignment of Rancho Road and the eastern 1/3 -mile alignment of Morrison Road. Soils in areas developed as orchards before the mid-1970s may be impacted by OCPs.

Blackburn no longer recommends a Phase II assessment of the Marysville Forest Products/Erickson Group Limited located at 4083 Rancho Road. The updated Project alignment locates the water line immediately adjacent to the northeast side of Rancho Road. It is unlikely that COCs from the Marysville Forest Product site would impact the Project due to the buffer the railroad provides and the distance from the Project.

This Phase II scope is designed to evaluate whether impacts due to potential COCs require mitigation recommendations for construction and/or soil management. We propose the following Scope, Fee and Schedule, and Limitations.

## 1 SCOPE

Blackburn will conduct a Phase II ESA in accordance with ASTM E1903-19 *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process*.

### 1.1 Project Coordination, Document Review, Site Visit, and USA Notification

Blackburn will:

- Review project plans provided by Jacobs Engineering Group (Jacobs) to determine the locations of proposed soil borings;
- Retain a drilling subcontractor to advance soil borings using direct-push method;
- Prepare a limited health and safety plan.
- Visit the site to mark direct push boring locations for Underground Services Alert (USA) notification.
- Prepare a traffic safety plan.
- We assume an encroachment permit will be provided by Jacobs.

### 1.2 Subsurface Exploration

#### 1.2.1 Tower Mart # 60, 1976 McGowan Parkway

Blackburn will:

- Identify two boring locations within the roadway shoulder along McGowan Parkway adjacent to Tower Mart #60.
- Advance 2 borings to 15 feet below ground surface (bgs).
- Collect soil samples at 5 depth intervals:

- 0-0.5-feet, 1.5-2-feet, 7-7.5-feet, 11.5-12-feet, and 14.5-15 feet bgs (10 samples total).
- Transfer samples into glass jars, label with the sample time, date, location, depth, and the sampler's initials.
- Clean sampling equipment with an Alconox wash solution and a distilled water rinse before and after advancing each boring.
- Pack samples in a cooled ice chest and prepare continuous chain-of-custody documentation.
- Ship the samples to an accredited analytical laboratory to be analyzed for TPH-d, TPH-g, TPH-mo, Total Lead, and BTEX.
- Discharge wash and rinse water to the ground surface.
- Backfill borings with soil cuttings to match the surrounding area.

### 1.2.2 PG&E North Valley Materials, 3736 Rancho Road

Blackburn will:

- Identify 2 boring locations along the southwest shoulder of Rancho Road adjacent to this facility.
- Advance 2 borings to 10 feet bgs.
- Collect soil samples at 4 depth intervals:
  - 0-0.5-feet, 2.5-3-feet, 6.5-7-feet, and 9.5-10-feet bgs (8 samples total) in each boring.
- Transfer samples into glass jars, label with the sample time, date, location, depth, and the sampler's initials.
- Clean sampling equipment with an Alconox wash solution and a distilled water rinse before and after advancing each boring.
- Pack samples in a cooled ice chest and prepare continuous chain-of-custody (COC) documentation.
- Ship the samples to an accredited analytical laboratory to be analyzed for the presence of TPH-d, TPH-g, TPH-mo, Total Lead, and BTEX.
- Discharge wash and rinse water to the ground surface.
- Backfill borings with soil cuttings and patch pavement with cold mix asphalt if necessary.

### 1.2.3 ADL Assessment

Blackburn will:

- Identify 57 boring locations at approximate 1,000-foot intervals, along the shoulders of roadways adjacent to proposed trenching activities. Sample locations include:
  - 5 borings on Mary Road between the OPUD Wastewater Treatment Plant and McGowan Parkway;
  - 6 borings on McGowan Parkway between Mary Road and Rancho Road;
  - 2 borings on Olive Avenue east of McGowan Parkway;
  - 20 borings on Rancho Road between its northern terminus and Highway 65;
  - 10 borings on Morrison Road between Highway 65 and Forty Mile Road;
  - 10 borings on Forty Mile Road between the Toyota Amphitheater and Rancho Road;



- 2 borings on Slaughterhouse Road between Forty Mile Road and a point southwest of the southern terminus of Shimer Road;
- 2 borings on Shimer Road between its southern terminus and Rancho Road.
- Advance 57 borings by direct push to 3 feet bgs.
- Collect soil samples at 3 depth intervals:
  - 0-0.5-feet, 1.5-2-feet, and 2.5-3-feet bgs (171 samples total).
- Transfer samples into glass jars, label with the sample time, date, location, depth, and the sampler's initials.
- Clean sampling equipment with an Alconox wash solution and a distilled water rinse before and after advancing each boring.
- Pack samples in a cooled ice chest and prepare continuous chain-of-custody (COC) documentation.
- Ship the samples to an accredited analytical laboratory to be analyzed for the presence of Total Lead.
- Discharge wash and rinse water to the ground surface.
- Backfill borings with soil cuttings and patch pavement with cold mix asphalt if necessary.

#### 1.2.4 Traffic Striping – Lead and Chromium Testing

To assess the presence of lead and chromium in the traffic striping at McGowan Parkway between Mary Avenue and Powerline Road, Blackburn will retain a subcontractor, Entek Consulting Group, Inc. (Entek). Entek will:

- Collect two samples of yellow traffic striping from the roadway surface at locations pre-selected by Blackburn.
- Transfer samples into appropriate containers, label with the sample time, date, location, and the sampler's initials.
- Submit samples to Forensic Analytical Laboratory in Hayward, California for analysis by atomic absorption spectrometry (AAS).

#### 1.2.5 Railroad Impact Assessment

Blackburn will identify 5 ADL boring locations planned within the footprint of the railroad impact study area along the east shoulder of Rancho Road adjacent to the Southern Pacific Railroad (Railroad) right-of-way (ROW). The 0-0.5-feet, 1.5-2-feet samples collect for these 5 ADL samples will be analyzed for TPH-d, TPH-g, TPH-mo, semi-volatile organic compounds (SVOCs), heavy metals, polycyclic aromatic hydrocarbons (PAHs), and pesticides in addition to Total Lead.

#### 1.2.6 Former Orchard

Blackburn will identify 5 ADL boring locations planned within the footprint of the former orchard. The 0-0.5-feet, 1.5-2-feet samples collect for these ADL samples will be analyzed for OCPs in addition to Total Lead.

### 1.3 Laboratory Testing

The samples will be transported under continuous chain-of-custody to SunStar Laboratories, Inc. (SunStar), a California State Water Resources Board Environmental Laboratory Accreditation Program (ELAP) certified lab.

SunStar will analyze 10 soil samples collected adjacent to the Tower Mart #60 facility for:

- TPH gasoline/diesel/motor oil by EPA method 8015B.
- BTEX by EPA method 8260B.
- Total Lead by EPA method 6010B.

SunStar will analyze 8 soil samples collected adjacent to the PG&E North Valley Materials facility for:

- TPH gasoline/diesel/motor oil by EPA Method 8015B.
- BTEX by EPA Method 8260B
- Total Lead by EPA Method 6010B.

SunStar will analyze 114 soil samples collected along the Project alignment for ADL Assessment. Sunstar will hold 57 samples collected from the 2.5-3-foot interval or future analysis if needed. Samples will be analyzed for:

- Total Lead by EPA Method 6010B.
- 4 randomly chosen pH analyses by EPA method 9045B.
- Up to 30% of the samples with Total Lead concentrations exceeding 50 mg/kg, will be further analyzed using the STLC Waste Extraction Test (WET) method.

SunStar will test 10 soil samples collected adjacent to the Railroad ROW for:

- TPH gasoline/diesel/motor oil by EPA Method 8015B.
- SVOCs by EPA Method 8270.
- CAM-17 metals by EPA Method 6010B.
- PAHs by EPA Method 8310.
- OCPs by EPA Method 8081.

SunStar will analyze 10 soil samples collected within the footprint of the historic orchard near the intersection of Rancho Road and Morrison Road for:

- OCPs by EPA Method 8081.

Entek will contract with a certified analytical laboratory to analyze 2 yellow traffic striping samples for:

- Total Lead and chromium by EPA Method 6020B.

### 1.4 Report

Blackburn will prepare a Phase II report that contains:

- Scope of services.
- Site description.

- Subsurface conditions.
- Analytical laboratory test results.
- Conclusions and recommendations.
- Limitations and risk mitigation.
- Vicinity map.
- Site plan showing approximate boring locations.
- Boring logs.

## FEE AND SCHEDULE

Your investment for us to evaluate potential hazardous material impacts from historical site use and nearby sites is \$56,250. We attach our fee itemization for reference.

We can complete the Phase II scope within 8 weeks of receiving a fully executed agreement. Our schedule assumes any required rights-of-entry or permits (provided by others) are in place prior to authorization.

## LIMITATIONS

We developed our Phase II scope to identify the contaminants of concern described in the ISA prepared for the Project. Our scope does not include:

- A full characterization of potential or known RECs.
- Evaluation of flood potential or biological pollutants.
- Geotechnical engineering recommendations for design/construction.

If needed, we can provide the above services for an additional scope and fee.

Blackburn appreciates the opportunity to be part of your team. Please call if you have questions or require additional information.

Sincerely,  
**BLACKBURN CONSULTING**



Matthew Kinney  
Project Geologist II



Laura Long  
Geo-Environmental Project Manager

Attachments: Fee Itemization

**West Sacramento Office:**  
 2491 Boatman Ave  
 West Sacramento, CA 95691  
 (916) 375-8706



**Auburn Office:**  
 (530) 887-1494  
**Fresno Office:**  
 (559) 438-8411

**FEE ITEMIZATION FOR PHASE II ENVIRONMENTAL SITE ASSESSMENT**

**OPUD Yuba County Sewer and Water Infrastructure Project**

Yuba County, California

12/3/2020

File No. 3842.P

| TASK   | ITEM                                   | QUANTITY | RATE     | UNIT | MULT. | ITEM COST | TASK SUBTOTAL   |
|--|--|----------|----------|------|-------|-----------|---|
| <b>TASK 1: Project Coordination, Existing Document Review, USA, HASP Preparation</b> |  |          |          |      |       |           |   |
|  | Senior Principal                       | 2        | \$ 280   | hour | 1     | \$560     |   |
|  | Sr. Project Manager                    | 8        | \$ 220   | hour | 1     | \$1,760   |   |
|  | Project Engineer/Geologist             | 24       | \$ 160   | hour | 1     | \$3,840   |   |
|  | Contract Administration                | 1        | \$ 150   | hour | 1     | \$150     |   |
|  | Project Assistant                      | 1        | \$ 110   | hour | 1     | \$110     |   |
|  | Mileage                                | 100      | \$ 0.90  | mile | 1     | \$90      |   |
|  |  |          |          |      |       |           | \$6,510   |
| <b>TASK 2: Phase II Soil Sampling</b>  |  |          |          |      |       |           |   |
|  | Sr. Project Manager                    | 2        | \$ 220   | hour | 1     | \$440     |   |
|  | Project Engineer/Geologist             | 32       | \$ 160   | hour | 1     | \$5,120   |   |
|  | Drill Rig and Supplies                 | 1        | \$ 9,300 | lump | 1.2   | \$11,160  |   |
|  | Traffic Striping Sampling and Analysis | 1        | \$ 1,300 | lump | 1.2   | \$1,560   |   |
|  | Traffic Control                        | 1        | \$ 5,000 | lump | 1.2   | \$6,000   |   |
|  | Mileage                                | 500      | \$ 0.90  | mile | 1     | \$450     |   |
|  |  |          |          |      |       |           | \$24,730  |
| <b>TASK 3: Laboratory Testing</b>  |  |          |          |      |       |           |   |
|  | Project Geologist II                   | 2        | \$ 160   | hour | 1     | \$320     |   |
|  | TPH-g/-d/-mo                           | 28       | \$ 45    | each | 1.2   | \$1,512   |   |
|  | BTEX                                   | 18       | \$ 40    | each | 1.2   | \$864     |   |
|  | SVOCs                                  | 10       | \$ 95    | each | 1.2   | \$1,140   |   |
|  | PAHs                                   | 10       | \$ 85    | each | 1.2   | \$1,020   |   |
|  | OCPs                                   | 20       | \$ 65    | each | 1.2   | \$1,560   |   |
|  | Total Lead                             | 189      | \$ 14    | each | 1.2   | \$3,175   |   |
|  | CAM-17 Metals                          | 10       | \$ 95    | each | 1.2   | \$1,140   |   |
|  | Soluble Lead WET/TCLP                  | 35       | \$ 55    | each | 1.2   | \$2,310   |   |
|  | pH                                     | 4        | \$ 10    | each | 1.2   | \$48      |   |
|  | Mileage                                | 360      | \$ 1     | mile | 1     | \$306     |   |
|  |  |          |          |      |       |           | \$13,395  |
| <b>TASK 4: Phase II ESA Report Preparation</b>                                       |  |          |          |      |       |           |   |
|  | Senior Principal                       | 2        | \$ 280   | hour | 1     | \$560     |   |
|  | Sr. Project Manager                    | 24       | \$ 220   | hour | 1     | \$5,280   |   |
|  | Project Engineer/Geologist             | 32       | \$ 160   | hour | 1     | \$5,120   |   |
|  | CAD/GIS                                | 3        | \$ 145   | hour | 1     | \$435     |   |
|  | Project Assistant                      | 2        | \$ 110   | hour | 1     | \$220     |   |
|  |  |          |          |      |       |           | \$11,615  |
|  |  |          |          |      |       |           | <b>Total Estimated Fee for Phase II ESA: \$56,250</b> |

Blackburn Consulting suggests adding contingency of 5-10% (project dependent) to account for unforeseen circumstances.